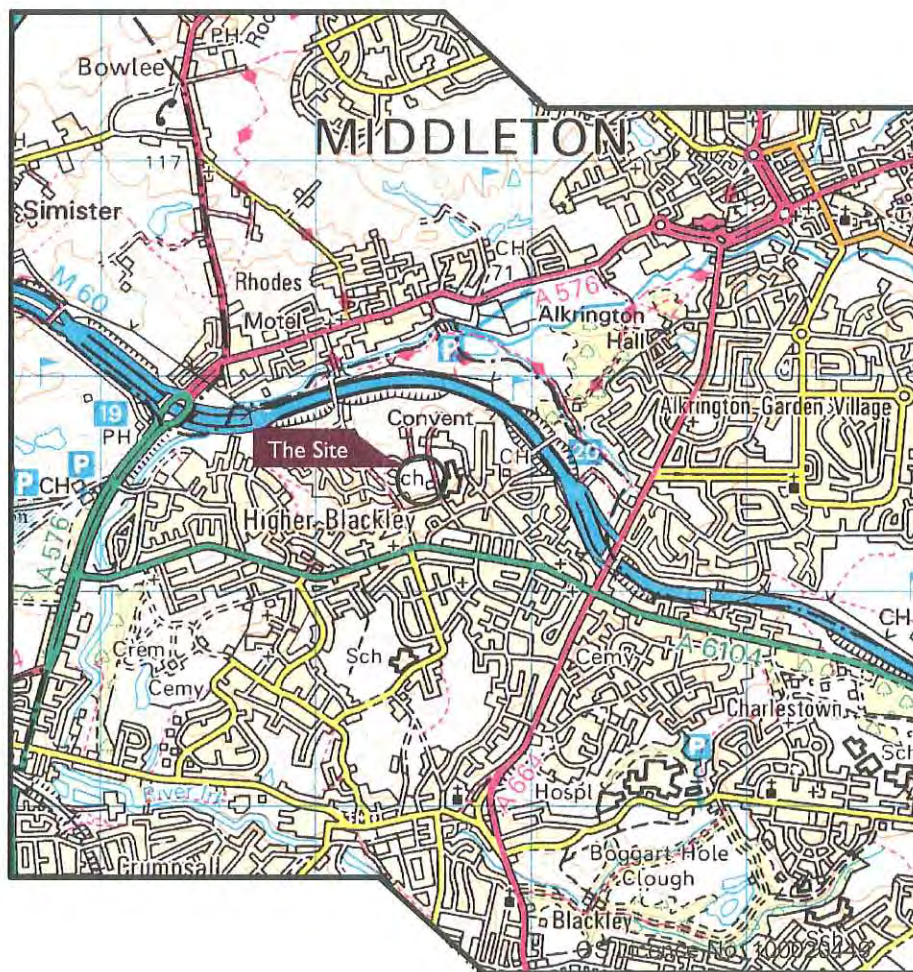


Ground Investigation
at
**Our Lady's RC School,
Manchester**
for
Laing O'Rourke Northern Limited

Factual Report &
Desk Study



Project No: PN061161
August 2006

Ground Investigation
at
**Our Lady's RC High School,
Manchester**
for
Laing O'Rourke Northern Limited

Engineer:
Sinclair Knight Merz (Europe)
Limited

Project No: PN061161
August 2006

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1.0 INTRODUCTION

A geotechnical and geoenvironmental investigation was undertaken by Geotechnics Ltd at the site of a proposed school building in Blackley, Manchester. The investigation was carried out to the instructions of the Client, Laing O'Rourke Northern Limited, under the supervision of Sinclair Knight Merz (Europe) Limited. This report describes the work undertaken and presents the data obtained.

2.0 OBJECT AND SCOPE OF THE INVESTIGATION

The object of the investigation was to obtain information on ground and groundwater conditions relating to the design of the proposed works within the limitations posed by trial hole numbers, locations, depths, methods adopted and the scope of approved in situ and laboratory testing. A geotechnical and geoenvironmental interpretation and evaluation of the data obtained was not commissioned.

3.0 PRESENTATION

A description of the site and a summary of the procedures followed during the investigation process are presented in Sections 4 to 6. The factual data so obtained are presented in Appendices 2 to 9 of this report.

A desk study to seek information which may already exist about the site, its history, geology and ground conditions was commissioned by the Client, and is described in Section 7. The data obtained are presented in Appendices 2 to 4.

Attention is drawn to the General Notes and Investigation Procedures presented in Appendix 10 to aid an understanding of the procedures followed and the context in which the report should be read.

4.0 THE SITE

4.1 Location

The site is located in Blackley north Manchester approximately 1km west of junction 20 approximately and 1.5km south east of junction 19 of the M60 motorway. The approximate Ordnance Survey National Grid Reference for the site is SD 856 045 and an extract from the relevant 1:50,000 Scale O.S. Map (Sheet No. 109) is included as Appendix I.

4.2 Description

The site comprises a sports field used by Our Lady's RC High School. The school is approximately 20m to the east of the field entrance.

The field is irregular in shape with maximum lengths of 200m (west side) by 250m (north side). The field is generally flat and covered by grass.

The site has asphalt covered tennis/basket ball court in the east corner. The court is rectangular in shape and approximately 70m x 40m in size surrounded by a metal post and chain link fence with several metal gates as access points.

To the south of the tennis/basket ball court is a square car park (40m x 40m in size) which is adjacent to an all-weather football pitch (47m x 70m). The pitch is poorly maintained with several patches of vegetation growing on the surface. The access to the site is via a metal gate on the east side of the car park.

The sports field contains several football and rugby pitches; a running track; cricket nets and a cricket pitch.

The north side of the site is bound by vegetation which is neighboured by farm land. The west side is bound by a metal post and chain link fence along with trees. A residential street is on the other side of the fence. Residential housing is also to the south but is separated from the field by an east west

trending cutting which accommodates a trunk water main. A brick construction electrical sub station is located to the east end of the cutting and in the south east corner of the site. The sub station may be used as a pumping station as a trunk water main is shown to run below the area.

The west side of the site is bound by a chain link fence which runs parallel to a gravel road which is part of Alworth Road.

5.0 PROCEDURE

5.1 Commissioning

The work was awarded following submission of a proposal for ground investigation at the site.

5.2 General

The procedures followed in this site investigation are based on *BS 5930 (1999) - Code of Practice for Site Investigations*. The Window Sample Records are included in Appendix 5.

The approximate positions of the investigation points are shown on the Exploratory Hole Location Plan in Appendix 9.

5.3 Window Sample Boreholes

Ten (10 No.) Window Sample Boreholes were undertaken at the site to depths varying between 4.00m and 5.45m below ground level. The positions were specified by the Engineer. The work was carried out between 1st June and 2nd June 2006.

The Window Samples were taken using the Dynamic Probe apparatus which effectively drives lined steel tubes into the ground in 1m lengths. Samples are retrieved in the plastic liners. The hole is not cased and progress depends on the nature of the strata penetrated. Window Sample Borehole records are included in Appendix 5.

Long-term monitoring was made possible by the installation of standpipes as follows:-

WS1 Response Zone: 1.00m – 5.00m
WS2 Response Zone: 2.00m – 5.00m
WS5 Response Zone: 2.00m – 5.00m
WS6 Response Zone: 2.00m – 5.00m
WS7 Response Zone: 1.00m – 4.00m

Full installation details are included in the Window Sample Borehole records. Monitoring details can be found in Appendix 8 of this report.

6.0 LABORATORY TESTING

6.1 Geotechnical

The laboratory testing schedule was specified by the Engineer in order to relate to the proposed development. The tests, where appropriate, conform to *BS 1377 - Methods of Test for Soils for Civil Engineering Purposes (1990)* and were carried out in Geotechnics Limited's UKAS accredited Laboratory (Testing No. 1365). Any descriptions, opinions and interpretations are outside the scope of UKAS accreditation.

The tests undertaken can be summarised as follows:-

BS 1377 (1990)

Test No.	Test Description
----------	------------------

Part 2

3.2	5 No.	Moisture Content Determination
4.3 & 5.3	5 No.	Liquid and Plastic Limit Determination
9.2 & 9.3	1 No.	Mechanical Analysis - Sieving
9.4	1 No.	Mechanical Analysis - Sedimentation

Part 3

5.3, 5.5	5 No.	Sulphate Analysis - Water Extract
9.5	5 No.	pH Determination

The results of these tests are presented in Appendix 6.

6.2 Chemical/Contamination

Selected samples of soil were tested in external laboratories for a number of determinands in order to check on any potential site contamination. The determinands were specified by the Engineer.

The results are tabulated in Appendix 7.

7.0 DESK STUDY

7.1 General

The desk study used the following sources of information:-

Envirocheck Report – Reference 199933332-1-1 (15th May 2006) (Appendix 2)

Historical Maps from Envirocheck Report (Appendix 3).

In house Geological Maps.

Service Location Plans (Appendix 4)

7.2 Geology

For this particular site, it has been possible to utilise the following:-

- (i) Geological Survey Map 1:63,360 (Sheet No. 85) Drift Edition 1970
- (ii) Geological Survey Map 1:50,000 (Sheet No. 85) Solid Edition 1975

Available information indicates that the site is in an area where superficial deposits are present. These are shown to comprise Glacial Till (recorded as 'Boulder Clay'). To the north, east and west of the site Glacial Sands and Gravels are present.

The drift deposits are shown to be overlying rocks of the Manchester Marls Series which are of Permian in age. The Manchester Marls overly Collyhurst Sandstone and then, unconformably the Carboniferous Westphalian Coal Measures. The Coal Measures are indicated to outcrop beyond a fault immediately north-east of the site. The fault has a north west – south east trend, in this area.

7.3 Site History

The site history has been assessed using a number of historical maps included in the Envirocheck Report.

1848

The 1848 map shows the site as being located in the grounds of Litchford Hall. The site appears to be either a field or woodlands. The nearest settlement is Rhodes approximately 1km to the north - north west. Running along a general north south trend, adjacent to Rhodes is the River Irk, approximately

0.7km away from the site. Along the river are several works which include a Bleach Works and Print Works. Alkrington Wood is 0.7km to the north east of the site.

1894

The 1894 map still indicates that the site is a field with some trees but the boundary has changed. In the location of Litchford Hall is a convent, the Convent of the Good Shepherd which is next to Litchford Farm. Alkrington Colliery is approximately 1km east of the site.

1910

To the south of the site, which is still a field, a small settlement has established which is labelled as Plant Hill. Victoria Avenue runs through the settlement on an east west trend. The road is joined to Manchester New Road to the East.

1923 – 1938

The 1923 to 1938 map shows a large boom in the settlements around the site. The site itself is still a field adjacent to a convent.

The settlement to the south of the site is Blackley with a second settlement, Alkrington to the east. A golf course with club house is located to the east of the site.

1938 – 1966

The maps between 1938 – 1966 have shown insignificant change other than the continued growth of residential settlements around the site.

However, between the years of 1966 and 1978 the purpose of the site changed to accommodate a school building.

1974 – 1976

The school building on the map of 1974 – 1976 is comprised of a single building which is referred to as St. Clare's RC Secondary School. Playing fields and tennis courts are to the west of the school.

1978 – 1982

The map indicates that the school was called Our Lady's RC High School.

2003 – 2004

The maps indicate the area generally remains relatively unchanged. However, the maps of 2003 – 2004 show the introduction of the M60 motorway running approximately 0.5km north of the site.

7.4 Environmental Matters

The Envirocheck Report revealed the following matters of environmental significance (this is a summary of the information and the reference should be made to the full information is Appendix 2).

The Envirocheck Report has been centred on the existing school building.

Local Authority Pollution Prevention and Controls

There are no Local Authority Pollution Prevention Controls in place within 500m of the existing school building.

Discharge Consents

A single Discharge Consent is recorded within 500m of the school. The discharge is located 319m west of the school building and had its authorisation revoked in 1988. The discharge was classed as 'Discharge of Other Matter – Surface Water' which the receiving water was classed as 'Uncontaminated Surface Water; Outfall to Watercourse'.

Nearest Surface Water Features

The nearest surface water feature is located 326m to the north west of the existing school building.

Pollution Incidents to Controlled Waters

There are no recorded pollution incidents to controlled waters within 500m of the existing school building.

Water Abstractions

There are no water abstractions recorded within 500m of the existing school building.

Groundwater Vulnerability

The geological classification is Non Aquifer (Negligibly Permeable). This classification regards the formation as containing 'insignificant quantities of water' although groundwater flow does take place and should be considered when assessing the risk associated with persistent pollutants.

BGS Recorded Landfill Sites

There are no BGS recorded landfill sites within 500m of the existing school building.

Licensed Waste Management Facilities

There are no licensed waste management facilities within 500m of the existing school building.

Local Authority Landfill Coverage

No local authority landfill site data has been supplied.

Registered Landfill Sites

There are no registered landfill sites within 500m of the existing school building.

BGS Recorded Mineral Sites

Two Sandpits are recorded as being 637m and 652m away from the existing school building. Both of which have ceased operating.

Coal Affected Areas

The Envirocheck Report states that the site may be in an area affected by coal mining activity and it recommends that a coal mining report is obtained from the Coal Authority.

Shallow Mining Hazards

It is stated that there is no hazard with regard to shallow mining within the area.

Ground Stability Hazards

The potential for ground instability in the area is regarded as either a non-hazard or very low. Ground stability may be affected by the following factors:

- Collapsible Ground
- Compressible Ground
- Dissolution
- Landslip
- Running Sand
- Shrinking or Swelling Clay

Radon Affected Areas

Less than 1% of homes are above the Action Level and Radon protection measures are not necessary.

Industrial Land Use

A single industrial land usage is recorded within 500m of the existing school building.

This relates to a Gate Manufacturers approximately 373m south west of the site. The trade is recorded as being inactive.

Sensitive Land Uses

A local nature reserve at Alkrington Wood is 620m from the existing school building. Alkrington Wood was designated as a nature reserve in January 1994.

Flooding

The flood map provided by Envirocheck indicates that there is no risk of flooding within 500m of the existing school building.

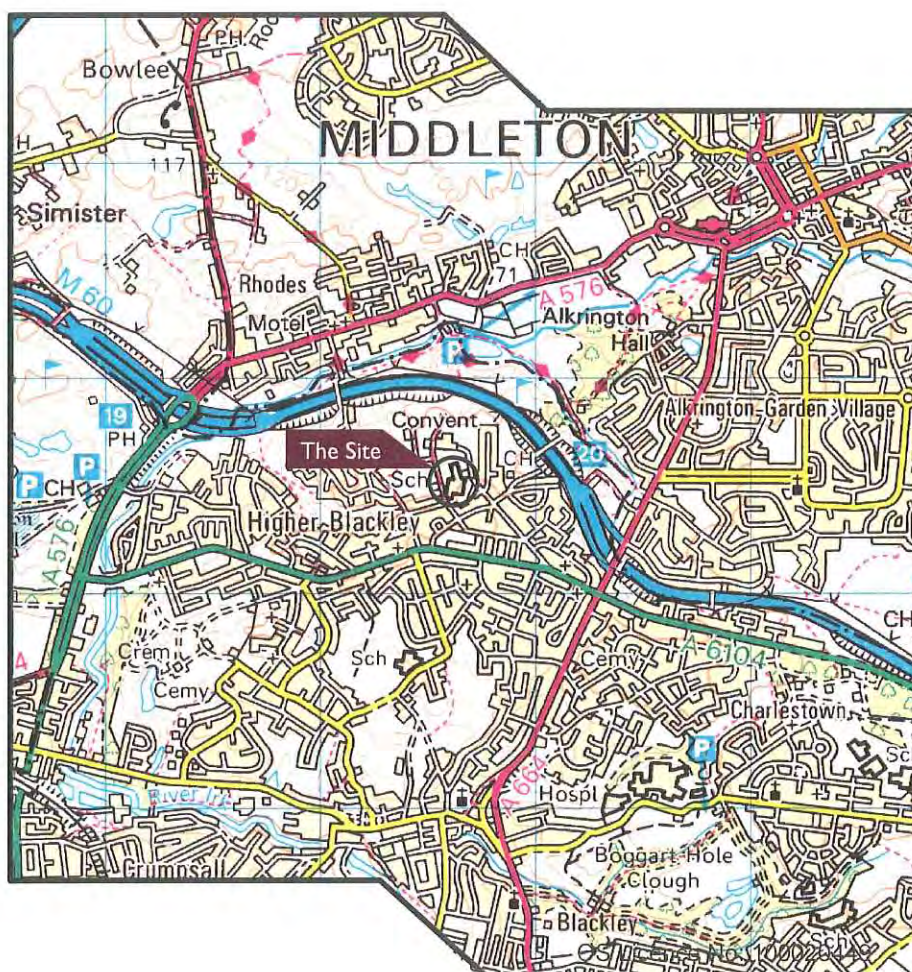
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Stewart Garnett MEng (Hons)
Graduate Engineer

Checked By:
Colin Dodd BSc (Hons), MSc, CEng, MICE
Principal Engineer
For GEOTECHNICS LIMITED - North West
Office

APPENDIX I
SITE LOCATION PLAN

DATA SHEET – Site Location Plan

Project : Our Lady's RC School, Manchester
Project No : PN061161



SITE LOCATION PLAN

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GEOTECHNICS LIMITED

The Geotechnical Centre
Unit 1B, Borders Industrial Park,
River Lane, Saltney
Chester
Ch4 8RJ



APPENDIX 2

LAND MARK ENVIROCHECK REPORT

Envirocheck[®] Report

Datasheet

Report on:

Our Lady'S Rc Sports College
Alworth Road
Manchester
M9 0RP

National Grid Reference :

385610, 404470

Site Area (Ha) :

0.01

Prepared For :

Geotechnics Ltd
THE GEOTECHNICAL CENTRE
UNIT 1 BORDERS INDUSTRIAL PARK
SALTNEY
CH4 8RJ

Client Details:

Laing O Rourke, 3 Archway, Birley
Fields, Hulme, Manchester, M15 5QJ,

Your Reference:

K Nicholls, PN061161

Summary

Agency & Hydrological

Waste

Hazardous Substances

Geological

Industrial Land Use

Sensitive Land Use

Data Currency

Data Suppliers & Copyright Statements

Useful Contacts

BGS Borehole Order Form

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 Datasheet places great emphasis on statutory data provided by the Environment Agency and the Scottish Environment Protection Agency; it also incorporates data from English Nature (and the Scottish and Welsh equivalents), the Environment Agency (and the Scottish equivalent) 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 legend database to 1km from a single point or 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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Data Type	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological				
Local Authority Pollution Prevention and Controls				3
Local Authority Pollution Prevention and Control Enforcements				
Contaminated Land Register Entries and Notices				
Discharge Consents			1	16
Enforcement and Prohibition Notices				
Integrated Pollution Controls				
Integrated Pollution Prevention And Control				
Local Authority Integrated Pollution Prevention And Control				
Nearest Surface Water Feature			Yes	
Pollution Incidents to Controlled Waters				27
Substantiated Pollution Incident Register				
Prosecutions Relating to Authorised Processes				
Prosecutions Relating to Controlled Waters				
Water Industry Act Referrals				
Registered Radioactive Substances				
River Quality				1
River Quality Biology Sampling Points				
River Quality Chemistry Sampling Points				
Water Abstractions				2 (*13)
Groundwater Vulnerability	Yes			
Source Protection Zones				
Extreme Flooding from Rivers or Sea without Defences				
Flooding from Rivers or Sea without Defences				
Areas Benefiting from Flood Defences				
Flood Water Storage Areas				
Flood Defences				
River Flood Data (Scotland)				

Data Type	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste				
BGS Recorded Landfill Sites				1
Integrated Pollution Control Registered Waste Sites				
Licensed Waste Management Facilities (Landfill Boundaries)				1
Licensed Waste Management Facilities (Locations)				1
Local Authority Recorded Landfill Sites				
Registered Landfill Sites				2
Registered Waste Transfer Sites				
Registered Waste Treatment or Disposal Sites				
Hazardous Substances				
Control of Major Accident Hazards Sites (COMAH)				
Explosive Sites				
Notification of Installations Handling Hazardous Substances (NIHHS)				
Planning Hazardous Substance Consents				
Planning Hazardous Substance Enforcements				
Geological				
BGS Boreholes		6	12	104
BGS Recorded Mineral Sites				2
BGS 1:625,000 Solid Geology	Yes			
Brine Compensation Areas				
Coal Mining Affected Areas	Yes			
Shallow Mining Hazards				
Potential for Collapsible Ground Stability Hazards				
Potential for Compressible Ground Stability Hazards				
Potential for Ground Dissolution Stability Hazards				
Potential for Landslide Ground Stability Hazards	Yes			
Potential for Running Sand Ground Stability Hazards	Yes			
Potential for Shrinking or Swelling Clay Ground Stability Hazards	Yes			
Mining Instability				
Natural and Mining Cavities				
Radon Affected Areas				
Radon Protection Measures				
Industrial Land Use				
Contemporary Trade Directory Entries			1	23
Fuel Station Entries				3

Data Type	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Uses				
Areas of Adopted Green Belt				
Areas of Unadopted Green Belt				
Areas of Outstanding Natural Beauty				
Environmentally Sensitive Areas				
Forest Parks				
Local Nature Reserves				1
Marine Nature Reserves				
National Nature Reserves				
National Parks				
National Scenic Areas				
Nitrate Sensitive Areas				
Nitrate Vulnerable Zones				
Ramsar Sites				
Sites of Special Scientific Interest				
Special Areas of Conservation				
Special Protection Areas				

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
Local Authority Pollution Prevention and Controls					
1	Name: Bernstein Group Plc Location: Manchester Old Road, MIDDLETON, Greater Manchester, M24 Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 52 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/2 Manufacture of timber and wood-based products Status: Authorised Positional: Unknown Accuracy:	NW	894	2	385270 405300
Local Authority Pollution Prevention and Controls					
2	Name: Stuart House Service Station Location: 717 Manchester Old Road, Rhodes, Middleton, MANCHESTER, Lancashire, M24 4GF Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: Not Given Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional: Manually positioned to the address or location Accuracy:	NW	960	2	384910 405130
Local Authority Pollution Prevention and Controls					
3	Name: Kp Hill Service Station Location: 355 Victoria Avenue, Higher Blackley, MANCHESTER, M9 8WQ Authority: Manchester City Council, Environmental Health Department Permit Reference: Pfs5/01 Dated: 20th December 2001 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional: Manually positioned to the address or location Accuracy:	W	983	1	384690 404120
Discharge Consents					
4	Operator: Paul Mcveigh Property Type: Undefined Or Other Location: Litchfield Park Swo, Boothroyd Road, Blackley, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991234 Permit Version: 1 Effective Date: 18th January 1988 Issued Date: Not Supplied Revocation Date: 9th January 1991 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Uncontaminated Surface Water; Outfall To Watercourse; Licence Status: Revoked Receiving Water: Authorisation revoked Status: Authorisation revoked Positional: Located by supplier to within 100m Accuracy:	W	319	3	385300 404400
Discharge Consents					
5	Operator: Bernstein Group Plc Property Type: Sewage Disposal Works - Other Location: Silburn Way Premises, Off Manchester Old Rd, Middleton, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016993118 Permit Version: 1 Effective Date: 23rd May 1996 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: River Irk Receiving Water: Post National Rivers Authority Legislation where issue date > 31/08/1989 Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional: Located by supplier to within 100m Accuracy:	N	729	3	385600 405200

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
Discharge Consents					
5	Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Middleton Main Outfall, Middleton, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01ROC0167 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: River Irk Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional: Located by supplier to within 100m Accuracy:	N	754	3	385580 405230
Discharge Consents					
5	Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Middleton Main Outfall, Middleton, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982643 Permit Version: 1 Effective Date: 28th November 1994 Issued Date: Not Supplied Revocation Date: 1st December 1998 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irk Status: Authorisation revoked Positional: Located by supplier to within 100m Accuracy:	N	759	3	385580 405230
Discharge Consents					
6	Operator: Littleborough Urban District Council Property Type: Undefined Or Other Location: Sandy Beach Reservoir, Rhodes, Middleton, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991145 Permit Version: 1 Effective Date: 1st July 1991 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: Located by supplier to within 100m Accuracy:	N	734	3	385700 405200

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
Discharge Consents					
7	Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Middleton Main Outfall, Middleton, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016982643 Permit Version: 2 Effective Date: 25th June 1999 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River 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	N	799	3	385580 405270
Discharge Consents					
7	Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Middleton Main Outfall, Middleton, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016982643 Permit Version: 2 Effective Date: 25th June 1999 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River 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	N	800	3	385560 405270
Discharge Consents					
7	Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Middleton Main Outfall, Middleton, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01ROC0173 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Unknown Receiving Water: Not Supplied Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	N	830	3	385560 405300

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
Discharge Consents					
8	Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Adj Irk Boothroyden Rd,Rochdale,Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01ROC0018 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: River Irk Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional: Located by supplier to within 100m Accuracy:	NW	804	3	384980 404970
Discharge Consents					
9	Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Rochdale Road,Manchester,Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0114 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: Boardman Brook Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional: Located by supplier to within 100m Accuracy:	E	826	3	386380 404170
Discharge Consents					
10	Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Off Manchester New Rd Cso,Alkrington,Oldham,Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01roc0016 Permit Version: 2 Effective Date: 9th September 2004 Issued Date: 9th September 2004 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Boardman Brook Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional: Located by supplier to within 10m Accuracy:	E	870	3	386480 404470

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
Discharge Consents					
10	Operator: North West Water Limited Property Type: Not Given Location: Mainway, ALKRINGTON Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: ROC0011 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: Located by supplier to within 100m Accuracy:	E	880	3	386490 404480
Discharge Consents					
10	Operator: North West Water Limited Property Type: Not Given Location: Off Manchester New Road, ALKRINGTON Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: ROC0016 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: Located by supplier to within 100m Accuracy:	E	880	3	386490 404480
Discharge Consents					
10	Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Mainway/Worcester Road, Rochdale, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01ROC0017 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 8th September 2004 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Boardman Brook River Irk Status: Authorisation revoked Positional: Located by supplier to within 10m Accuracy:	E	880	3	386490 404480
Discharge Consents					
10	Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Off Manchester New Rd Cso, Alkrington, Oldham, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01ROC0016 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 8th September 2004 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Boardman Brook River Irk Status: Consent revoked or revised: New Consent issued (Section 37(1)) Positional: Located by supplier to within 10m Accuracy:	E	880	3	386490 404480

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
Discharge Consents					
10	Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Off Manchester New Road Cso, Alkrington, Oldham, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01ROC0011 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: 1st January 1995 Revocation Date: 22nd June 2005 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Boardman Brook Culvert Status: Authorisation revoked Positional: Located by supplier to within 100m Accuracy:	E	885	3	386500 404480
Discharge Consents					
11	Operator: Whelmar Homes Ltd Property Type: Undefined Or Other Location: Whelmar Res Development Swo, Boothroyden Road, Blackley, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991312 Permit Version: 1 Effective Date: 1st November 1994 Issued Date: Not Supplied Revocation Date: 1st November 1994 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Irk Status: Authorisation revoked Positional: Located by supplier to within 100m Accuracy:	NW	966	3	384730 404870
Nearest Surface Water Feature					
		NW	326	-	385380 404700
Pollution Incidents to Controlled Waters					
12	Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Storm Sewage Note: Boardman Brook; Sewerage Incident Date: 1st February 1995 Incident Reference: 95610198 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Inadequate Design/Capacity Severity of Incident: Category 3 - Minor Incident Positional: Located by supplier to within 100m Accuracy:	E	632	3	386200 404700
Pollution Incidents to Controlled Waters					
13	Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Unknown Sewage Note: Boardman Brook Incident Date: 23rd July 1991 Incident Reference: 91611139 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Unknown Severity of Incident: Category 3 - Minor Incident Positional: Located by supplier to within 100m Accuracy:	NE	650	3	386100 404900

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
Pollution Incidents to Controlled Waters					
14	Property Type: Office Location: Boardman Brook,MIDDLETON Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Thick Brown Muck From Metres Way Incident Date: 21st July 1998 Incident Reference: SO981307 Catchment Area: Irk Receiving Water: Freshwater Stream/River Cause of Incident: Land Runoff Severity of Incident: Category 3 - Minor Incident Positional: Located by supplier to within 100m Accuracy:	E	726	3	386300 404700
Pollution Incidents to Controlled Waters					
15	Property Type: Industrial: Other Location: Booth Royden Road,MIDDLETON Authority: Environment Agency, North West Region Pollutant: Chemicals - Other Inorganic Note: Mercury Metal; Irk; Mercury Metal Incident Date: 13th October 1997 Incident Reference: 97611783 Catchment Area: Irk Receiving Water: Freshwater Stream/River Cause of Incident: Vandalism Severity of Incident: Category 3 - Minor Incident Positional: Located by supplier to within 100m Accuracy:	NW	731	3	385100 405000
Pollution Incidents to Controlled Waters					
15	Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Inert Suspended Solids Note: River Irk Incident Date: 5th March 1992 Incident Reference: 92610366 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Unknown Severity of Incident: Category 3 - Minor Incident Positional: Located by supplier to within 100m Accuracy:	NW	735	3	385100 405000
Pollution Incidents to Controlled Waters					
16	Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Sewage Debris/Litter Note: River Irk Incident Date: 6th February 1995 Incident Reference: 95610239 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Inadequate Design/Capacity Severity of Incident: Category 3 - Minor Incident Positional: Located by supplier to within 100m Accuracy:	N	737	3	385500 405200
Pollution Incidents to Controlled Waters					
17	Property Type: Water Treatment & Distribution; Other Location: Boardman Brook,Near Manchester New Road,MIDDLETON,Greater Manchester Authority: Environment Agency, North West Region Pollutant: Inert : Clays Note: Not Supplied Incident Date: 5th October 1999 Incident Reference: 33017 Catchment Area: Irk Receiving Water: River Stretch (Freshwater) Cause of Incident: Drainage Failures : Highway Drainage Run-Off Severity of Incident: Category 3 - Minor Incident Positional: Located by supplier to within 100m Accuracy:	E	793	3	386400 404400

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
Pollution Incidents to Controlled Waters					
18	Property Type: Office Location: Silt In Boardman Brook Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Not Supplied Incident Date: 1st September 1998 Incident Reference: SO981702 Catchment Area: Irk Receiving Water: Freshwater Stream/River Cause of Incident: Land Runoff Severity of Incident: Category 3 - Minor Incident Positional: Located by supplier to within 100m Accuracy:	E	799	3	386400 404600
Pollution Incidents to Controlled Waters					
18	Property Type: Office Location: Silt In Boardman Brook Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Not Supplied Incident Date: 9th September 1998 Incident Reference: SO981700 Catchment Area: Irk Receiving Water: Freshwater Stream/River Cause of Incident: Land Runoff Severity of Incident: Category 3 - Minor Incident Positional: Located by supplier to within 100m Accuracy:	E	800	3	386400 404600
Pollution Incidents to Controlled Waters					
19	Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Foam Note: River Irk Incident Date: 12th June 1995 Incident Reference: 95611401 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Severity of Incident: Category 3 - Minor Incident Positional: Located by supplier to within 100m Accuracy:	NW	800	3	385010 405000
Pollution Incidents to Controlled Waters					
19	Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Other Note: Empty Paint Cans Incident Date: 24th October 1995 Incident Reference: 95612620 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Miscellaneous/Other Pollution Type Severity of Incident: Category 3 - Minor Incident Positional: Located by supplier to within 100m Accuracy:	NW	803	3	385010 405000
Pollution Incidents to Controlled Waters					
19	Property Type: Water Company Sewage: Sewage Treatment Works Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Chemicals - Detergents/Surfactant Note: Wince Brook Incident Date: 6th December 1995 Incident Reference: 95612934 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Severity of Incident: Category 3 - Minor Incident Positional: Located by supplier to within 100m Accuracy:	NW	804	3	385000 405000

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
Pollution Incidents to Controlled Waters					
19	Property Type: Water Company Sewage; Sewage Treatment Works Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Chemicals - Detergents/Surfactant Note: Wince Brook Incident Date: 8th September 1995 Incident Reference: 95612277 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Treatment System Failure Severity of Incident: Category 3 - Minor Incident Positional: Located by supplier to within 100m Accuracy:	NW	807	3	385000 405000
Pollution Incidents to Controlled Waters					
19	Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Foam Note: River Irk Incident Date: 6th June 1995 Incident Reference: 95611337 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Severity of Incident: Category 3 - Minor Incident Positional: Located by supplier to within 100m Accuracy:	NW	807	3	385010 405010
Pollution Incidents to Controlled Waters					
20	Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: River Irk; No Pollution Found Incident Date: 26th October 1995 Incident Reference: 95612634 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Severity of Incident: Category 3 - Minor Incident Positional: Located by supplier to within 100m Accuracy:	NW	810	3	385100 405100
Pollution Incidents to Controlled Waters					
21	Property Type: Private Sewage (Non-PLC); Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Unknown Sewage Note: River Irk Incident Date: 30th March 1992 Incident Reference: 92610520 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Unknown Severity of Incident: Category 2 - Significant Incident Positional: Located by supplier to within 100m Accuracy:	NW	830	3	384900 404900
Pollution Incidents to Controlled Waters					
22	Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Not Given Note: River Irk Incident Date: 6th September 1993 Incident Reference: 93611724 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Not Given Severity of Incident: Category 3 - Minor Incident Positional: Located by supplier to within 100m Accuracy:	N	831	3	385500 405300

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
Pollution Incidents to Controlled Waters					
22	Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Not Given Note: River Irk Incident Date: 12th August 1993 Incident Reference: 93611588 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Not Given Severity of Incident: Category 3 - Minor Incident Positional: Located by supplier to within 100m Accuracy:	N	836	3	385500 405300
Pollution Incidents to Controlled Waters					
23	Property Type: Construction Location: Irk, Rhodes Lodges Authority: Environment Agency, North West Region Pollutant: Inert Note: Not Supplied Incident Date: 20th January 1999 Incident Reference: 752 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Not Given Severity of Incident: Category 3 - Minor Incident Positional: Located by supplier to within 100m Accuracy:	N	833	3	385700 405300
Pollution Incidents to Controlled Waters					
24	Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Sewage Debris/Litter Note: Boardman Brook Incident Date: 14th June 1995 Incident Reference: 95611417 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Blocked Sewer Severity of Incident: Category 3 - Minor Incident Positional: Located by supplier to within 100m Accuracy:	E	835	3	386400 404200
Pollution Incidents to Controlled Waters					
25	Property Type: Water Company Sewage: Sewage Treatment Works Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Chemicals - Detergents/Surfactant Note: River Irk Incident Date: 7th November 1992 Incident Reference: 92611928 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Unknown Severity of Incident: Category 3 - Minor Incident Positional: Located by supplier to within 100m Accuracy:	N	850	3	385800 405300
Pollution Incidents to Controlled Waters					
26	Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Affected; None Pollution Found Incident Date: 28th August 1996 Incident Reference: 96611924 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Severity of Incident: Category 3 - Minor Incident Positional: Located by supplier to within 100m Accuracy:	NE	877	3	386100 405200

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
Pollution Incidents to Controlled Waters					
27	Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Sewage Debris/Litter Note: Boardman Brook Incident Date: 13th June 1995 Incident Reference: 95611403 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Blocked Sewer Severity of Incident: Category 3 - Minor Incident Positional: Located by supplier to within 100m Accuracy:	E	890	3	386500 404500
Pollution Incidents to Controlled Waters					
28	Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Sewage Debris/Litter Note: River Irk Incident Date: 3rd February 1995 Incident Reference: 95610216 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: High Flow Severity of Incident: Category 3 - Minor Incident Positional: Located by supplier to within 100m Accuracy:	NE	911	3	386000 405300
Pollution Incidents to Controlled Waters					
28	Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Diesel (Including Agricultural) Note: River Irk Incident Date: 29th August 1995 Incident Reference: 95612207 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Severity of Incident: Category 3 - Minor Incident Positional: Located by supplier to within 100m Accuracy:	NE	915	3	386000 405300
Pollution Incidents to Controlled Waters					
29	Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Unknown Sewage Note: River Irk Incident Date: 17th March 1992 Incident Reference: 92610451 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Unknown Severity of Incident: Category 3 - Minor Incident Positional: Located by supplier to within 100m Accuracy:	NW	917	3	384800 404900
Pollution Incidents to Controlled Waters					
30	Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Unknown Sewage Note: River Irk Incident Date: 11th March 1992 Incident Reference: 92610410 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Unknown Severity of Incident: Category 3 - Minor Incident Positional: Located by supplier to within 100m Accuracy:	NW	967	3	384800 405000

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	River Quality Name: Irk GQA Grade: River Quality E Reach: Winck Bk To Moston Bk Estimated Distance of Reach (km): 10.3 Flow Rate: Flow less than 2.5 cumecs Flow Type: River Year: 2000	NW	593	3	385350 405010
31	Water Abstractions Operator: Costain Building & Civil Engineering Licence Number: 2569005057 Permit Version: Not Supplied Location: River Irk, Middleton, MANCHESTER Authority: Environment Agency, North West Region Abstraction: Dust Suppression Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 20 Yearly Rate (m3): 4000 Details: Licence Status: Expired Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional: Located by supplier to within 100m Accuracy:	NW	814	3	385000 405010
32	Water Abstractions Operator: Balfour Beatty Major Projects Licence Number: 2569005059 Permit Version: Not Supplied Location: MIDDLETON, CR7 7XA Authority: Environment Agency, North West Region Abstraction: Dust Suppression Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 240 Yearly Rate (m3): 40000 Details: The River Irk; Construction; Type: Abstraction; Status: Current Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional: Unknown Accuracy:	NW	827	3	384900 404900
	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: Located by supplier to within 100m Accuracy:	W	1217	3	384400 404600

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: North Manchester Golf Club Licence Number: 2569005055 Permit Version: 100 Location: Reservoir Fed By Surface Drainage At North Manchester Golf Club Authority: Environment Agency, North West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 45 Yearly Rate (m3): 2273 Details: North Manchester Golf Course Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 21st February 1977 Permit End Date: Not Supplied Positional: Located by supplier to within 100m Accuracy:	N	1262	3	385900 405700
	Water Abstractions Operator: The New North Manchester Golf Club Ltd. Licence Number: 2569005055 Permit Version: 101 Location: Reservoir Fed By Surface Drainage At North Manchester Golf C Authority: Environment Agency, North West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: North Manchester Golf Course Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 7th July 2004 Permit End Date: Not Supplied Positional: Located by supplier to within 100m Accuracy:	N	1262	3	385900 405700
	Water Abstractions Operator: Robert McBride Ltd Licence Number: 2569005035 Permit Version: 100 Location: Reservoir Fed By Surface Drainage At Middleton, Manchester(T Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 1091 Yearly Rate (m3): 288671 Details: Premises At Cheetham Street Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 18th January 1995 Permit End Date: Not Supplied Positional: Located by supplier to within 100m Accuracy:	NE	1501	3	386600 405600
	Water Abstractions Operator: Robert McBride Ltd Licence Number: 2569005035 Permit Version: 100 Location: Reservoir Fed By Surface Drainage At Middleton, Manchester(T Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Cheetham Street Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 18th January 1995 Permit End Date: Not Supplied Positional: Located by supplier to within 10m Accuracy:	NE	1501	3	386600 405600

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Robert McBride Limited; Middleton Licence Number: 2569005003 Permit Version: Not Supplied Location: Borehole, Leater Street, Middleton, MANCHESTER Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 109 Yearly Rate (m3): 27276 Details: Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional: Located by supplier to within 100m Accuracy:	NE	1636	3	386800 405600
	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: Located by supplier to within 10m Accuracy:	SW	1683	3	384890 402950
	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: Located by supplier to within 10m Accuracy:	SW	1683	3	384890 402950
	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: Located by supplier to within 100m Accuracy:	S	1684	3	385000 402900

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	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: Located by supplier to within 10m Accuracy:	SW	1787	3	384610 402990
	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: Located by supplier to within 10m Accuracy:	SW	1787	3	384610 402990
	Water Abstractions Operator: B M Coatings Limited Licence Number: 2569005009 Permit Version: Not Supplied Location: Wince Brook At Premises, Tonge Mill, Oldham Road, MIDDLETON Authority: Environment Agency, North West Region Abstraction: Cooling Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 14 Yearly Rate (m3): 655 Details: Licence Status: Lapsed Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional: Located by supplier to within 100m Accuracy:	NE	1791	3	387010 405600
	Water Abstractions Operator: Oakbest Ltd Licence Number: 2569005042 Permit Version: Not Supplied Location: Reservoir Fed By Un-Named Tributary, River Irk; Heaton Park, HIGHER BLACKLEY Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: River Daily Rate (m3): 623 Yearly Rate (m3): 109104 Details: Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional: Located by supplier to within 100m Accuracy:	W	1825	3	383800 404700

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability				
Geological Classification:	Non Aquifer (Negligibly permeable) - Formations which are generally regarded as containing insignificant quantities of groundwater. However, groundwater flow through such rocks, although imperceptible, does take place and needs to be considered in assessing the risk associated with persistent pollutants	-	0	3	385610 404470
Soil Classification:	Not classified				
Map Sheet:	Sheet 11 South Pennines				
Scale:	1:100,000				
	Drift Deposits				
Description	None	-	-	-	-
	Extreme Flooding from Rivers or Sea without Defences				
Description	None	-	-	-	-
	Flooding from Rivers or Sea without Defences				
Description	None	-	-	-	-
	Areas Benefiting from Flood Defences				
Description	None	-	-	-	-
	Flood Water Storage Areas				
Description	None	-	-	-	-
	Flood Defences				
Description	None	-	-	-	-
	River Flood Data (Scotland)				
Description	None	-	-	-	-

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
BGS Recorded Landfill Sites					
37	Site Name: Manchester Old Road Location: MIDDLETON, Gt Manchester Authority: British Geological Survey, National Geoscience Information Service Ground Water: Threat to ground water Surface Water: Threat to surface water Geology: N/A Positional: Positioned by the supplier Accuracy: Boundary Accuracy: Moderate	NE	895	-	386080 405230
Licensed Waste Management Facilities (Landfill Boundaries)					
38	Name: Landfill Site Between Rhodes & Higher Blackley Licence Number: 53662 Location: Boothroyden Road, Manchester, M9 0SB Licence Holder: The Director Dept Of Transport North West Construction Programme Division Authority: Environment Agency - North West Region, South Area Site Category: Household, Commercial And Industrial Waste Landfills Maximum Input Rate: Large (Equal to or greater than 75,000 tonnes per year) Licence Status: Active Issued: 7th April 1995 Last Modified: Not Supplied Expires: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied Positional: Positioned by the supplier Accuracy: Boundary Accuracy: As Supplied	NW	586	3	385110 404780
Licensed Waste Management Facilities (Locations)					
39	Licence Number: 53662 Location: Boothroyden Road, Manchester, M9 0SB Operator Name: The Director Dept Of Transport North West Construction Programme Division Operator Location: Room D4, Broadway, Broad Street, Birmingham, B15 1BL Authority: Environment Agency - North West Region, South Area Site Category: Household, Commercial And Industrial Waste Landfills Licence Status: Closed Issued: 7th April 1995 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional: Located by supplier to within 10m Accuracy:	NW	726	3	384940 404750
Local Authority Landfill Coverage					
	Name: Manchester City Council - Has not been able to supply Landfill data	-	0	4	385610 404470
Local Authority Landfill Coverage					
	Name: Rochdale Metropolitan Borough Council - Has no landfill data to supply	N	626	2	385710 405090

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
Registered Landfill Sites					
40	Licence Holder: Dept Of Transport (N.W. Constr'N Prog) Licence Reference: 00828/M02 Site Location: Rhodes/Higher Blakely,Boothroyden Terrace,Manchester,Greater Manchester Licence Easting: 384900 Licence Northing: 404700 Operator Location: Sunley Tower,Piccadilly Plaza,MANCHESTER,Greater Manchester,M1 4BE Authority: Environment Agency - North West Region, South Area Site Category: Landfill Maximum Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source: Waste produced/controlled by licence holder Restrictions: Status: Site Closed Dated: 7th April 1995 Preceded By: 00828/92 Licence: Superseded By: Not Given Licence: Positional: Manually positioned to the address or location Accuracy: Boundary Accuracy: Not Applicable Authorised Waste: GmwdA Group 1 - Non/V.Slow Decomp.Wast GmwdA Group 2 - Slow Decomp./Slight So GmwdA Group 3 - Decomp./Sol.Waste = No Max.Waste Permitted By Licence Prohibited Waste: Asbestos Contaminated Soil Explosive Waste Liquid Wastes Press'D Containers Or Waste Therein Sludge Wastes Waste At Higher Than Ambient Temp(30c) Waste In Skips Waste N.O.S Whether/Not Pack./Pre-Trt Waste Reacting Violently With Water Waste With Flash Pt < 30 C Waste With Ph < 2.0 Waste With Ph > 12.0	W	746	3	384900 404700

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
Registered Landfill Sites					
40	Licence Holder: Dept Of Transport (N.W. Constr'N Prog) Licence Reference: 00828/92 Site Location: Rhodes/Higher Blakely,Boothroyden Terrace,Manchester,Greater Manchester Licence Easting: 384900 Licence Northing: 404700 Operator Location: Sunley Tower,Piccadilly Plaza,MANCHESTER,Greater Manchester,M1 4BE Authority: Environment Agency - North West Region, South Area Site Category: Landfill Maximum Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Record superseded Dated: 1st April 1993 Preceded By: Not Given Licence: Superseded By: 00828/M02 Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Asbestos Fibre/Powder Asbestos Lagging Asbestos Sheet/Piping Composite Bonded Gmwda Group 1 - Non/V.Slow Decomp.Wast Gmwda Group 2 - Slow Decomp./Slight So Gmwda Group 3 - Decomp./Sol.Waste = No Max.Waste Permitted By Licence Prohibited Waste: Explosive Waste Liquid Wastes Malodorous Waste Mineral Processing Wastes Pressurized Containers/Waste Therein Sludge Wastes Violently Reactive Waste Waste N.O.S. Waste With Flash Pt < 30 C Waste With Ph < 3.0 Waste With Temp. > 30 C	W	746	3	384900 404700

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
BGS Boreholes					
41	BGS Reference: Sd80se1096 Drilled Length (m): Not Supplied Borehole Name: Victoria Avenue Manchester Tp1	S	211	5	385610 404260
BGS Boreholes					
41	BGS Reference: Sd80se1097 Drilled Length (m): Not Supplied Borehole Name: Victoria Avenue Manchester Tp2	S	215	5	385570 404260
BGS Boreholes					
41	BGS Reference: Sd80se1094 Drilled Length (m): Not Supplied Borehole Name: Victoria Avenue Manchester 1	S	221	5	385610 404250
BGS Boreholes					
41	BGS Reference: Sd80se1095 Drilled Length (m): Not Supplied Borehole Name: Victoria Avenue Manchester 2	S	225	5	385570 404250
BGS Boreholes					
41	BGS Reference: Sd80se1099 Drilled Length (m): Not Supplied Borehole Name: Victoria Avenue Manchester Tp4	S	241	5	385610 404230
BGS Boreholes					
42	BGS Reference: Sd80se1098 Drilled Length (m): Not Supplied Borehole Name: Victoria Avenue Manchester Tp3	S	237	5	385560 404240
BGS Boreholes					
43	BGS Reference: Sd80se211 Drilled Length (m): 15 Borehole Name: M66 Manchester Outer Ring Road. Bh.559	NE	404	5	385860 404790
BGS Boreholes					
43	BGS Reference: Sd80se371 Drilled Length (m): 25 Borehole Name: M66 Mhr Outer R/Rd Bhf56	NE	426	5	385870 404810
BGS Boreholes					
44	BGS Reference: Sd80se208 Drilled Length (m): 3 Borehole Name: M66 Manchester Outer Ring Road. Tp.554	E	429	5	386030 404560
BGS Boreholes					
45	BGS Reference: Sd80se210 Drilled Length (m): 12 Borehole Name: M66 Manchester Outer Ring Road. Bh.556	NE	429	5	385980 404690
BGS Boreholes					
46	BGS Reference: Sd80se370 Drilled Length (m): 25 Borehole Name: M66 Mhr Outer R/Rd Bhf55	NE	439	5	385850 404840
BGS Boreholes					
46	BGS Reference: Sd80se212 Drilled Length (m): 12 Borehole Name: M66 Manchester Outer Ring Road. Bh.560	NE	481	5	385880 404870
BGS Boreholes					
47	BGS Reference: Sd80se131 Drilled Length (m): 15.1 Borehole Name: M66 Manchester Outer Ring Road. Bh.864	NE	450	5	385940 404780
BGS Boreholes					
48	BGS Reference: Sd80se222 Drilled Length (m): 15 Borehole Name: M66 Manchester Outer Ring Road. Bh.597	N	470	5	385650 404940
BGS Boreholes					
48	BGS Reference: Sd80se133 Drilled Length (m): 58.5 Borehole Name: M66 Manchester Outer Ring Road. Bh.866	N	482	5	385670 404950

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
BGS Boreholes					
49	BGS Reference: Sd80se215 Drilled Length (m): 10.5 Borehole Name: M66 Manchester Outer Ring Road. Bh.565	N	471	5	385560 404940
BGS Boreholes					
49	BGS Reference: Sd80se216 Drilled Length (m): 15 Borehole Name: M66 Manchester Outer Ring Road. Bh.566	N	510	5	385570 404980
BGS Boreholes					
50	BGS Reference: Sd80se213 Drilled Length (m): 12 Borehole Name: M66 Manchester Outer Ring Road. Bh.563	N	474	5	385730 404930
BGS Boreholes					
50	BGS Reference: Sd80se132 Drilled Length (m): 15.1 Borehole Name: M66 Manchester Outer Ring Road. Bh.865	N	485	5	385770 404930
BGS Boreholes					
51	BGS Reference: Sd80se207 Drilled Length (m): 15.5 Borehole Name: M66 Manchester Outer Ring Road. Bh.552	E	502	5	386090 404620
BGS Boreholes					
51	BGS Reference: Sd80se206 Drilled Length (m): 15.5 Borehole Name: M66 Manchester Outer Ring Road. Bh.551	E	514	5	386100 404630
BGS Boreholes					
51	BGS Reference: Sd80se127 Drilled Length (m): 93 Borehole Name: M66 Manchester Outer Ring Road. Bh.862	E	533	5	386120 404630
BGS Boreholes					
52	BGS Reference: Sd80se217 Drilled Length (m): 10 Borehole Name: M66 Manchester Outer Ring Road. Bh.568	N	508	5	385470 404960
BGS Boreholes					
52	BGS Reference: Sd80se218 Drilled Length (m): 15.1 Borehole Name: M66 Manchester Outer Ring Road. Bh.569	N	543	5	385450 404990
BGS Boreholes					
53	BGS Reference: Sd80se209 Drilled Length (m): 12.5 Borehole Name: M66 Manchester Outer Ring Road. Bh.555	NE	509	5	386030 404760
BGS Boreholes					
54	BGS Reference: Sd80se1131 Drilled Length (m): Not Supplied Borehole Name: 31 Plant Hill Road, Blackley 1	S	519	5	385520 403960
BGS Boreholes					
54	BGS Reference: Sd80se1132 Drilled Length (m): Not Supplied Borehole Name: 31 Plant Hill Road, Blackley 2	S	519	5	385520 403960
BGS Boreholes					
55	BGS Reference: Sd80se214 Drilled Length (m): 12 Borehole Name: M66 Manchester Outer Ring Road. Bh.564	N	523	5	385680 404990
BGS Boreholes					
56	BGS Reference: Sd80se134 Drilled Length (m): 33.3 Borehole Name: M66 Manchester Outer Ring Road. Bh.867	N	525	5	385530 404990
BGS Boreholes					
57	BGS Reference: Sd80se204 Drilled Length (m): 7 Borehole Name: M66 Manchester Outer Ring Road. Bh.549	E	543	5	386150 404530

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
BGS Boreholes					
58	BGS Reference: Sd80se223 Drilled Length (m): 11 Borehole Name: M66 Manchester Outer Ring Road. Bh.599	N	556	5	385410 404990
BGS Boreholes					
59	BGS Reference: Sd80se202 Drilled Length (m): 3 Borehole Name: M66 Manchester Outer Ring Road. Tp.547	E	567	5	386170 404380
BGS Boreholes					
60	BGS Reference: Sd80se205 Drilled Length (m): 3.7 Borehole Name: M66 Manchester Outer Ring Road. Tp.550	E	568	5	386150 404650
BGS Boreholes					
61	BGS Reference: Sd80se128 Drilled Length (m): 27 Borehole Name: M66 Manchester Outer Ring Road. Bh.863	E	584	5	386180 404600
BGS Boreholes					
62	BGS Reference: Sd80se203 Drilled Length (m): 7 Borehole Name: M66 Manchester Outer Ring Road. Bh.548	E	590	5	386200 404440
BGS Boreholes					
63	BGS Reference: Sd80se219 Drilled Length (m): 15 Borehole Name: M66 Manchester Outer Ring Road. Bh.570	NW	590	5	385310 404980
BGS Boreholes					
64	BGS Reference: Sd80se1215 Drilled Length (m): Not Supplied Borehole Name: 8 Floyer Road Blackley 1	SE	611	5	386000 404000
BGS Boreholes					
64	BGS Reference: Sd80se1216 Drilled Length (m): Not Supplied Borehole Name: 8 Floyer Road Blackley 2	SE	611	5	386000 404000
BGS Boreholes					
64	BGS Reference: Sd80se1217 Drilled Length (m): Not Supplied Borehole Name: 8 Floyer Road Blackley 3	SE	611	5	386000 404000
BGS Boreholes					
64	BGS Reference: Sd80se1218 Drilled Length (m): Not Supplied Borehole Name: 8 Floyer Road Blackley 4	SE	611	5	386000 404000
BGS Boreholes					
64	BGS Reference: Sd80se1219 Drilled Length (m): Not Supplied Borehole Name: 8 Floyer Road Blackley Tha	SE	611	5	386000 404000
BGS Boreholes					
65	BGS Reference: Sd80se201 Drilled Length (m): 15 Borehole Name: M66 Manchester Outer Ring Road. Bh.546	E	628	5	386220 404320
BGS Boreholes					
66	BGS Reference: Sd80se369 Drilled Length (m): 38.8 Borehole Name: M66 Mhr Outer R/Rd Bhf54	NW	633	5	385110 404860
BGS Boreholes					
67	BGS Reference: Sd80se126 Drilled Length (m): 15 Borehole Name: M66 Manchester Outer Ring Road. Bh.861	E	671	5	386270 404350
BGS Boreholes					
68	BGS Reference: Sd80se136 Drilled Length (m): 47 Borehole Name: M66 Manchester Outer Ring Road. Bh.869	NW	671	5	385130 404940

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	BGS Boreholes				
68	BGS Reference: Sd80se220 Drilled Length (m): 15 Borehole Name: M66 Manchester Outer Ring Road. Bh.574	NW	673	5	385100 404910
	BGS Boreholes				
68	BGS Reference: Sd80se135 Drilled Length (m): 24.8 Borehole Name: M66 Manchester Outer Ring Road. Bh.868	NW	678	5	385150 404970
	BGS Boreholes				
68	BGS Reference: Sd80se368 Drilled Length (m): 32 Borehole Name: M66 Mhr Outer R/Rd Bhf53	NW	693	5	385090 404930
	BGS Boreholes				
69	BGS Reference: Sd80se302 Drilled Length (m): 9.3 Borehole Name: M66 Denton To Middleton Bh C3	NW	692	5	385020 404840
	BGS Boreholes				
70	BGS Reference: Sd80se221 Drilled Length (m): 10 Borehole Name: M66 Manchester Outer Ring Road. Bh.575	NW	722	5	385070 404950
	BGS Boreholes				
71	BGS Reference: Sd80se200 Drilled Length (m): 10 Borehole Name: M66 Manchester Outer Ring Road. Bh.544	E	724	5	386300 404250
	BGS Boreholes				
72	BGS Reference: Sd80se198 Drilled Length (m): 10 Borehole Name: M66 Manchester Outer Ring Road. Bh.542	SE	726	5	386280 404190
	BGS Boreholes				
73	BGS Reference: Sd80se1249 Drilled Length (m): Not Supplied Borehole Name: 9 Mansfield Drive 2	SE	739	5	386010 403850
	BGS Boreholes				
73	BGS Reference: Sd80se1250 Drilled Length (m): Not Supplied Borehole Name: 9 Mansfield Drive 3	SE	739	5	386010 403850
	BGS Boreholes				
73	BGS Reference: Sd80se1251 Drilled Length (m): Not Supplied Borehole Name: 9 Mansfield Drive Tha	SE	739	5	386010 403850
	BGS Boreholes				
73	BGS Reference: Sd80se1248 Drilled Length (m): Not Supplied Borehole Name: 9 Mansfield Drive 1	SE	739	5	386010 403850
	BGS Boreholes				
74	BGS Reference: Sd80sw207 Drilled Length (m): 10 Borehole Name: M66 Denton To Middleton Bh C4	NW	765	5	384920 404800
	BGS Boreholes				
75	BGS Reference: Sd80se1236 Drilled Length (m): Not Supplied Borehole Name: 4 Walker Road Blackley 1	SE	778	5	386170 403930
	BGS Boreholes				
75	BGS Reference: Sd80se1238 Drilled Length (m): Not Supplied Borehole Name: 4 Walker Road Blackley 3	SE	778	5	386170 403930
	BGS Boreholes				
75	BGS Reference: Sd80se1239 Drilled Length (m): Not Supplied Borehole Name: 4 Walker Road Blackley Tha	SE	778	5	386170 403930

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
75	BGS Boreholes BGS Reference: Sd80se1237 Drilled Length (m): Not Supplied Borehole Name: 4 Walker Road Blackley 2	SE	778	5	386170 403930
75	BGS Boreholes BGS Reference: Sd80se386 Drilled Length (m): 15 Borehole Name: M66 Mhr Outer R/Rd Bhf78	SE	794	5	386210 403950
75	BGS Boreholes BGS Reference: Sd80se391 Drilled Length (m): 10 Borehole Name: M66 Mhr Outer R/Rd Bhf86	SE	808	5	386210 403930
75	BGS Boreholes BGS Reference: Sd80se384 Drilled Length (m): 10 Borehole Name: M66 Mhr Outer R/Rd Bhf77	SE	814	5	386180 403890
75	BGS Boreholes BGS Reference: Sd80se396 Drilled Length (m): 6 Borehole Name: M66 Mhr Outer R/Rd Bh Haf2	SE	814	5	386200 403910
75	BGS Boreholes BGS Reference: Sd80se397 Drilled Length (m): 6 Borehole Name: M66 Mhr Outer R/Rd Bh Haf3	SE	814	5	386190 403900
76	BGS Boreholes BGS Reference: Sd80sw206 Drilled Length (m): 10 Borehole Name: M66 Denton To Middleton Bh C2	NW	779	5	384980 404930
77	BGS Boreholes BGS Reference: Sd80se199 Drilled Length (m): 16 Borehole Name: M66 Manchester Outer Ring Road. Bh.543	E	793	5	386380 404280
78	BGS Boreholes BGS Reference: Sd80se825 Drilled Length (m): Not Supplied Borehole Name: Symond Road Higher Blackley Manchester 2	SE	793	5	386300 404080
78	BGS Boreholes BGS Reference: Sd80se824 Drilled Length (m): Not Supplied Borehole Name: Symond Road Higher Blackley Manchester 1	SE	797	5	386310 404090
78	BGS Boreholes BGS Reference: Sd80se193 Drilled Length (m): 8 Borehole Name: M66 Manchester Outer Ring Road. Bh.537	SE	810	5	386330 404100
79	BGS Boreholes BGS Reference: Sd80sw87 Drilled Length (m): 10 Borehole Name: M66, Manchester Outer Ring Road. Bh.576	NW	802	5	384920 404880
80	BGS Boreholes BGS Reference: Sd80se1240 Drilled Length (m): Not Supplied Borehole Name: 20 Walker Road Blackley 1	SE	802	5	386130 403860
80	BGS Boreholes BGS Reference: Sd80se1241 Drilled Length (m): Not Supplied Borehole Name: 20 Walker Road Blackley 2	SE	802	5	386130 403860
80	BGS Boreholes BGS Reference: Sd80se1243 Drilled Length (m): Not Supplied Borehole Name: 20 Walker Road Blackley Tha	SE	802	5	386130 403860

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
80	BGS Boreholes BGS Reference: Sd80se1242 Drilled Length (m): Not Supplied Borehole Name: 20 Walker Road Blackley 3	SE	802	5	386130 403860
80	BGS Boreholes BGS Reference: Sd80se1244 Drilled Length (m): Not Supplied Borehole Name: 22 Walker Road Blackley 1	SE	810	5	386130 403850
80	BGS Boreholes BGS Reference: Sd80se1245 Drilled Length (m): Not Supplied Borehole Name: 22 Walker Road Blackley 2	SE	810	5	386130 403850
80	BGS Boreholes BGS Reference: Sd80se1246 Drilled Length (m): Not Supplied Borehole Name: 22 Walker Road Blackley 3	SE	810	5	386130 403850
80	BGS Boreholes BGS Reference: Sd80se1247 Drilled Length (m): Not Supplied Borehole Name: 22 Walker Road Blackley Tha	SE	810	5	386130 403850
81	BGS Boreholes BGS Reference: Sd80se387 Drilled Length (m): 27 Borehole Name: M66 Mhr Outer R/Rd Bhf78a	SE	803	5	386230 403960
81	BGS Boreholes BGS Reference: Sd80se395 Drilled Length (m): 6 Borehole Name: M66 Mhr Outer R/Rd Bh Haf1	SE	810	5	386230 403950
81	BGS Boreholes BGS Reference: Sd80se392 Drilled Length (m): 25 Borehole Name: M66 Mhr Outer R/Rd Bhf86a	SE	822	5	386220 403920
82	BGS Boreholes BGS Reference: Sd80se196 Drilled Length (m): 18.7 Borehole Name: M66 Manchester Outer Ring Road, Bh.540	SE	806	5	386350 404150
82	BGS Boreholes BGS Reference: Sd80se745 Drilled Length (m): 26.5 Borehole Name: M66 Manchester Outer Ring Road Denton To Middleton	SE	819	5	386350 404120
82	BGS Boreholes BGS Reference: Sd80se366 Drilled Length (m): 48 Borehole Name: M66 Mhr Outer R/Rd Bhf50	SE	825	5	386370 404150
82	BGS Boreholes BGS Reference: Sd80se195/A Drilled Length (m): 25 Borehole Name: M66 Manchester Outer Ring Road, Bh.539a	E	832	5	386390 404180
82	BGS Boreholes BGS Reference: Sd80se195 Drilled Length (m): 5.9 Borehole Name: M66 Manchester Outer Ring Road, Bh.539	E	832	5	386390 404180
82	BGS Boreholes BGS Reference: Sd80se125 Drilled Length (m): 55 Borehole Name: M66 Manchester Outer Ring Road, Bh.859	SE	847	5	386390 404140
83	BGS Boreholes BGS Reference: Sd80sw208 Drilled Length (m): 13 Borehole Name: M66 Denton To Middleton Bh C5	W	808	5	384850 404750

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
BGS Boreholes					
83	BGS Reference: Sd80sw209 Drilled Length (m): 18 Borehole Name: M66 Denton To Middleton Bh C5a	W	808	5	384850 404750
BGS Boreholes					
84	BGS Reference: Sd80se385 Drilled Length (m): 25 Borehole Name: M66 Mhr Outer R/Rd Bhf77a	SE	821	5	386180 403880
BGS Boreholes					
84	BGS Reference: Sd80se1232 Drilled Length (m): Not Supplied Borehole Name: 23 Walker Road Blackley 1	SE	821	5	386180 403880
BGS Boreholes					
84	BGS Reference: Sd80se1233 Drilled Length (m): Not Supplied Borehole Name: 23 Walker Road Blackley 2	SE	821	5	386180 403880
BGS Boreholes					
84	BGS Reference: Sd80se1234 Drilled Length (m): Not Supplied Borehole Name: 23 Walker Road Blackley 3	SE	821	5	386180 403880
BGS Boreholes					
84	BGS Reference: Sd80se1235 Drilled Length (m): Not Supplied Borehole Name: 23 Walker Road Blackley Tha	SE	821	5	386180 403880
BGS Boreholes					
85	BGS Reference: Sd80se197 Drilled Length (m): 3 Borehole Name: M66 Manchester Outer Ring Road. Tp.541	E	823	5	386430 404400
BGS Boreholes					
86	BGS Reference: Sd80se367 Drilled Length (m): 48 Borehole Name: M66 Mhr Outer R/Rd Bhf51	E	829	5	386390 404190
BGS Boreholes					
86	BGS Reference: Sd80se194 Drilled Length (m): 20 Borehole Name: M66 Manchester Outer Ring Road. Bh.538	E	854	5	386420 404200
BGS Boreholes					
87	BGS Reference: Sd80sw82 Drilled Length (m): 10.5 Borehole Name: M66, Manchester Outer Ring Road. Bh.870	NW	858	5	384850 404870
BGS Boreholes					
88	BGS Reference: Sd80se192 Drilled Length (m): 15 Borehole Name: M66 Manchester Outer Ring Road. Bh.536	E	861	5	386440 404240
BGS Boreholes					
88	BGS Reference: Sd80se191 Drilled Length (m): 15 Borehole Name: M66 Manchester Outer Ring Road. Bh.535	E	871	5	386460 404280
BGS Boreholes					
89	BGS Reference: Sd80se995 Drilled Length (m): Not Supplied Borehole Name: Rochdale Road Sewer 1	SE	877	5	386330 403970
BGS Boreholes					
90	BGS Reference: Sd80sw210 Drilled Length (m): 14 Borehole Name: M66 Denton To Middleton Bh C6	W	904	5	384740 404700
BGS Boreholes					
91	BGS Reference: Sd80sw331 Drilled Length (m): 28 Borehole Name: M66 Manchester Outer Ring Road Denton To Middleton	W	905	5	384760 404780

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
91	BGS Boreholes BGS Reference: Sd80sw330 Drilled Length (m): 45 Borehole Name: M66 Manchester Outer Ring Road Denton To Middleton	W	919	5	384760 404820
91	BGS Boreholes BGS Reference: Sd80sw332 Drilled Length (m): 26.25 Borehole Name: M66 Manchester Outer Ring Road Denton To Middleton	W	933	5	384730 404780
91	BGS Boreholes BGS Reference: Sd80sw103 Drilled Length (m): 2.2 Borehole Name: M66, Manchester Outer Ring Road. Ha.610	W	940	5	384730 404800
92	BGS Boreholes BGS Reference: Sd80se190 Drilled Length (m): 2 Borehole Name: M66 Manchester Outer Ring Road. Tp.534	SE	930	5	386440 404050
93	BGS Boreholes BGS Reference: Sd80se226 Drilled Length (m): 1.6 Borehole Name: M66 Manchester Outer Ring Road. Ha.609	SE	945	5	386480 404100
94	BGS Boreholes BGS Reference: Sd80sw935 Drilled Length (m): 13 Borehole Name: Crab Lane Blackley Manchester 2	SW	948	5	384870 403880
94	BGS Boreholes BGS Reference: Sd80sw934 Drilled Length (m): 12.5 Borehole Name: Crab Lane Blackley Manchester 1	SW	960	5	384860 403870
95	BGS Boreholes BGS Reference: Sd80sw329 Drilled Length (m): 26 Borehole Name: M66 Manchester Outer Ring Road Denton To Middleton	W	956	5	384720 404820
95	BGS Boreholes BGS Reference: Sd80sw88 Drilled Length (m): 10 Borehole Name: M66, Manchester Outer Ring Road. Bh.577	W	995	5	384690 404850
96	BGS Boreholes BGS Reference: Sd80ne194 Drilled Length (m): Not Supplied Borehole Name: River Irk Middleton 2	NE	967	5	386210 405230
97	BGS Boreholes BGS Reference: Sd80se189 Drilled Length (m): 8 Borehole Name: M66 Manchester Outer Ring Road. Bh.533	SE	985	5	386470 403990
98	BGS Boreholes BGS Reference: Sd80sw926 Drilled Length (m): 2.6 Borehole Name: Crab Lane Manchester Tp1	SW	986	5	384900 403790
98	BGS Boreholes BGS Reference: Sd80sw927 Drilled Length (m): 2.8 Borehole Name: Crab Lane Manchester Tp2	SW	991	5	384890 403800
98	BGS Boreholes BGS Reference: Sd80sw928 Drilled Length (m): 2.9 Borehole Name: Crab Lane Manchester Tp3	SW	997	5	384870 403800
99	BGS Boreholes BGS Reference: Sd80se996 Drilled Length (m): Not Supplied Borehole Name: Rochdale Road Sewer 2	SE	991	5	386420 403900

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
100	BGS Boreholes				
	BGS Reference: Sd80sw211	W	998	5	384630
	Drilled Length (m): 15				404650
101	BGS Boreholes				
	BGS Reference: Sd80se393	SE	999	5	386530
	Drilled Length (m): 30				404080
102	BGS Recorded Mineral Sites				
	Site Name: Rhodes Sandpit	N	637	5	385410
	Location: Rhodes, Middleton, Manchester				405080
103	BGS Recorded Mineral Sites				
	Source: British Geological Survey, National Geoscience Information Service	NW	652	5	385190
	Reference: 15043				404970
103	BGS Recorded Mineral Sites				
	Site Name: Rhodes Sandpit				
	Location: Rhodes, Middleton, Manchester				
103	BGS 1:625,000 Solid Geology				
	Description: Permian mudstones (including Middle and Upper Marls, Eden and St Bees shales)	-	0	5	385610
					404470
103	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.	-	0	6	385610
					404470
103	Shallow Mining Hazards				
	Description: No Hazard	-	-	-	-
103	Potential for Collapsible Ground Stability Hazards				
	Description: No Hazard	-	-	-	-
103	Potential for Compressible Ground Stability Hazards				
	Hazard Potential: No Hazard	-	0	5	385610
	Source: British Geological Survey, National Geoscience Information Service				404470
103	Potential for Ground Dissolution Stability Hazards				
	Description: No Hazard	-	-	-	-
103	Potential for Landslide Ground Stability Hazards				
	Hazard Potential: Very Low	-	0	5	385610
	Source: British Geological Survey, National Geoscience Information Service				404470
103	Potential for Running Sand Ground Stability Hazards				
	Hazard Potential: Very Low	-	0	5	385610
	Source: British Geological Survey, National Geoscience Information Service				404470

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
Potential for Shrinking or Swelling Clay Ground Stability Hazards					
Hazard Potential:	Very Low	-	0	5	385610
Source:	British Geological Survey, National Geoscience Information Service				404470
Radon Affected Areas					
Description:	Less than 1% of homes are above the Action Level	-	0	7	385610
Source:	Health Protection Agency				404470
Radon Protection Measures					
Type:	No radon protective measures are necessary in the construction of new dwellings or extensions	-	0	5	385610
Source:	British Geological Survey, National Geoscience Information Service				404470

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
Contemporary Trade Directory Entries					
104	Name: Craft In Iron Location: 193, Victoria Avenue, Manchester, M9 0RA Classification: Gate Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	SW	373	-	385410 404160
Contemporary Trade Directory Entries					
105	Name: Ace Asphalt Co Location: 34, Gildersdale Drive, Manchester, M9 0SN Classification: Asphalt & Coated Macadam Laying Contractors Status: Inactive Positional Accuracy: Automatically positioned to the address	W	549	-	385070 404560
Contemporary Trade Directory Entries					
105	Name: Ace Asphalt Ltd Location: 34, Gildersdale Drive, Manchester, M9 0SN Classification: Asphalt & Coated Macadam Laying Contractors Status: Active Positional Accuracy: Automatically positioned to the address	W	549	-	385070 404560
Contemporary Trade Directory Entries					
105	Name: Ace Asphalt Co Location: 34, Gildersdale Drive, Manchester, M9 0SN Classification: Asphalt & Coated Macadam Laying Contractors Status: Inactive Positional Accuracy: Automatically positioned to the address	W	549	-	385070 404560
Contemporary Trade Directory Entries					
105	Name: Ace Asphalt Location: 34, Gildersdale Drive, Manchester, M9 0SN Classification: Asphalt & Coated Macadam Laying Contractors Status: Inactive Positional Accuracy: Automatically positioned to the address	W	549	-	385070 404560
Contemporary Trade Directory Entries					
105	Name: Ace Asphalt Ltd Location: 34, Gildersdale Drive, Manchester, M9 0SN Classification: Asphalt & Coated Macadam Laying Contractors Status: Inactive Positional Accuracy: Automatically positioned to the address	W	549	-	385070 404560
Contemporary Trade Directory Entries					
106	Name: All Done Cleaning Contracts Location: 2, Courtfield Avenue, Manchester, M9 6RT Classification: Cleaning Services - Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	S	618	-	385820 403890
Contemporary Trade Directory Entries					
107	Name: A3 Scrap Metal Collections Location: 30, Symond Road, Manchester, Lancashire, M9 6GS Classification: Scrap Metal Merchants Status: Active Positional Accuracy: Automatically positioned to the address	SE	661	-	386190 404150
Contemporary Trade Directory Entries					
108	Name: Beechfield Motors Location: 21, Boothroyden Road, Middleton, Manchester, M24 4RY Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	NW	783	-	385160 405110

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
Contemporary Trade Directory Entries					
109	Name: Marlaw Pallet Services Ltd Location: Boothroyden Rd, Middleton, Manchester, Lancashire, M24 4RY Classification: Pallets, Crates & Packing Cases Status: Active Positional: Manually positioned to the road within the address or location Accuracy:	NW	812	-	385080 405080
Contemporary Trade Directory Entries					
109	Name: B N S Fires Location: 7, Boothroyden Close, Middleton, Manchester, Lancashire, M24 4RW Classification: Fireplaces & Mantelpieces Status: Inactive Positional: Automatically positioned to the address Accuracy:	NW	824	-	385040 405070
Contemporary Trade Directory Entries					
109	Name: Marlaw Pallets Services Location: Boothroyden Rd, Middleton, Manchester, Lancashire, M24 4RY Classification: Pallets, Crates & Packing Cases Status: Active Positional: Manually positioned to the road within the address or location Accuracy:	NW	837	-	385070 405110
Contemporary Trade Directory Entries					
110	Name: Chambers & Perkins Location: 1196, Rochdale Road, Manchester, M9 6FR Classification: Cleaning Materials & Equipment Status: Active Positional: Automatically positioned to the address Accuracy:	SE	853	-	386350 404040
Contemporary Trade Directory Entries					
111	Name: Northern Handrailing Co Ltd Location: 625a, Manchester Old Road, Middleton, Manchester, M24 4PN Classification: Staircase, Balustrade & Handrail Manufacturers Status: Active Positional: Automatically positioned to the address Accuracy:	NW	874	-	385200 405240
Contemporary Trade Directory Entries					
111	Name: Northern Handrailing Location: 625a, Manchester Old Road, Middleton, Manchester, Lancashire, M24 4PN Classification: Staircase, Balustrade & Handrail Manufacturers Status: Active Positional: Automatically positioned to the address Accuracy:	NW	874	-	385200 405240
Contemporary Trade Directory Entries					
111	Name: Bradshaw Lawnmower Engineers Location: 623, Manchester Old Road, Middleton, Manchester, M24 4PN Classification: Lawnmowers & Garden Machinery - Sales & Service Status: Active Positional: Automatically positioned to the address Accuracy:	NW	878	-	385220 405260
Contemporary Trade Directory Entries					
111	Name: Rhodes Location: 2, Chapel Walk, Middleton, Manchester, M24 4QB Classification: Laundries & Launderettes Status: Active Positional: Automatically positioned to the address Accuracy:	NW	913	-	385210 405290
Contemporary Trade Directory Entries					
112	Name: J F International Ltd Location: 598, Manchester Old Road, Middleton, Manchester, M24 4PW Classification: Freight Forwarders Status: Active Positional: Automatically positioned to the address Accuracy:	N	887	-	385300 405300

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
Contemporary Trade Directory Entries					
113	Name: E M O Ltd Location: West Croft Industrial Estate, Manchester Old Road, Middleton, Manchester, M24 4GJ Classification: Engineers - General Status: Inactive Positional: Automatically positioned to the address Accuracy:	N	916	-	385480 405380
Contemporary Trade Directory Entries					
114	Name: Alan Gilligan Ltd Location: 24, Meadow Road, Middleton, Manchester, M24 1WH Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional: Automatically positioned to the address Accuracy:	NE	945	-	386470 404860
Contemporary Trade Directory Entries					
115	Name: M & C Cars Location: Victoria Av, Manchester, M9 8WQ Classification: Car Dealers Status: Inactive Positional: Manually positioned to the road within the address or location Accuracy:	W	953	-	384710 404150
Contemporary Trade Directory Entries					
115	Name: K P Hill Service Station Location: 355, Victoria Avenue, Manchester, M9 8WQ Classification: Petrol Filling Stations Status: Active Positional: Automatically positioned to the address Accuracy:	W	981	-	384690 404120
Contemporary Trade Directory Entries					
116	Name: Jewish Cemetery Location: 1106, Rochdale Road, Manchester, M9 6FQ Classification: Cemeteries & Crematoria Status: Active Positional: Automatically positioned to the address Accuracy:	SE	955	-	386190 403710
Contemporary Trade Directory Entries					
117	Name: C H A Rowell & Sons Location: Stuart House Service Station, 717, Manchester Old Road, Middleton, Manchester, M24 4GF Classification: Garage Services Status: Active Positional: Automatically positioned to the address Accuracy:	NW	959	-	384910 405130
Fuel Station Entries					
118	Name: Avenue Self Serve Location: 1357 Rochdale Road, Manchester, M9 6QT Brand: OBSOLETE Premises Type: Not Applicable Status: Obsolete Positional: Located by supplier to within 10m Accuracy:	SE	835	-	386300 404000
Fuel Station Entries					
119	Name: Stuart House Service Station Location: 717-719 Manchester Old Road, Middleton, Manchester, M24 4GF Brand: Murco Premises Type: Petrol Station Status: Open Positional: Automatically positioned in the proximity of the address Accuracy:	NW	923	-	385020 405180
Fuel Station Entries					
120	Name: Hill Service Station Location: 355 Victoria Avenue, Manchester, M9 8WQ Brand: KP Premises Type: Petrol Station Status: Open Positional: Manually positioned to the address or location Accuracy:	W	981	-	384690 404120

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
Local Nature Reserves					
Name:	Alkrington Woods	N	620	8	385720 405080
Multiple Area:	N				
Area (m2):	515902.81				
Source:	Rochdale Metropolitan Borough Council				
Designation Date:	12th January 1994				

Data Type	Version	Update Cycle
Agency & Hydrological		
Local Authority Pollution Prevention and Controls		
Manchester City Council Environmental Health Department	November-2005	Annual Rolling Update
Rochdale Metropolitan Borough Council Environmental Health Department	November-2005	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Manchester City Council Environmental Health Department	November-2005	Annual Rolling Update
Rochdale Metropolitan Borough Council Environmental Health Department	November-2005	Annual Rolling Update
Discharge Consents		
Environment Agency North West Region	January-2006	Quarterly
Integrated Pollution Controls		
Environment Agency North West Region	January-2006	Quarterly
Integrated Pollution Prevention And Control		
Environment Agency North West Region	February-2006	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Manchester City Council Environmental Health Department	November-2005	Annual Rolling Update
Rochdale Metropolitan Borough Council Environmental Health Department	November-2005	Annual Rolling Update
Nearest Surface Water Feature		
Ordnance Survey	January-2006	Quarterly
Pollution Incidents to Controlled Waters		
Environment Agency North West Region	January-2000	Not Applicable
Substantiated Pollution Incident Register		
Environment Agency - North West Region South Area	April-2006	Quarterly
Water Industry Act Referrals		
Environment Agency North West Region	January-2006	Quarterly
Registered Radioactive Substances		
Environment Agency North West Region	January-2006	Quarterly
River Quality		
Environment Agency Head Office	November-2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency Head Office	February-2006	Annually
River Quality Chemistry Sampling Points		
Environment Agency Head Office	January-2006	Annually
Water Abstractions		
Environment Agency North West Region	January-2006	Quarterly
Groundwater Vulnerability		
Environment Agency Head Office	January-1999	Not Applicable

Data Type	Version	Update Cycle
Agency & Hydrological		
Drift Deposits Environment Agency Head Office	January-1999	Not Applicable
Source Protection Zones Environment Agency Head Office	April-2005	Variable
Extreme Flooding from Rivers or Sea without Defences Environment Agency Head Office	September-2005	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency Head Office	September-2005	Quarterly
Areas Benefiting from Flood Defences Environment Agency Head Office	September-2005	Quarterly
Flood Water Storage Areas Environment Agency Head Office	September-2005	Quarterly
Flood Defences Environment Agency Head Office	September-2005	Quarterly
River Flood Data (Scotland) Centre for Ecology and Hydrology	September-1999	Not Applicable

Data Type	Version	Update Cycle
Waste		
BGS Recorded Landfill Sites British Geological Survey National Geoscience Information Service	June-1996	Not Applicable
Integrated Pollution Control Registered Waste Sites Environment Agency North West Region	January-2006	Quarterly
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North West Region South Area	January-2006	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North West Region South Area	January-2006	Quarterly
Local Authority Landfill Coverage Manchester City Council Planning Department Rochdale Metropolitan Borough Council Environmental Health Department	May-2000	Not Applicable
	May-2000	Not Applicable
Registered Landfill Sites Environment Agency - North West Region South Area	March-2003	Variable
Registered Waste Transfer Sites Environment Agency - North West Region South Area	March-2003	Variable
Registered Waste Treatment or Disposal Sites Environment Agency - North West Region South Area	March-2003	Variable

Data Type	Version	Update Cycle
Hazardous Substances		
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	September-2005	Variable
Explosive Sites Health and Safety Executive	March-2006	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November-2000	Not Applicable
Planning Hazardous Substance Consents Manchester City Council Planning Department Rochdale Metropolitan Borough Council	February-2006 October-2005	Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Enforcements Manchester City Council Planning Department Rochdale Metropolitan Borough Council	February-2006 October-2005	Annual Rolling Update Annual Rolling Update

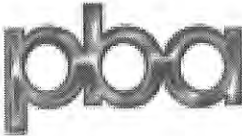
Data Type	Version	Update Cycle
Geological		
BGS Boreholes British Geological Survey National Geoscience Information Service	April-2006	Quarterly
BGS Recorded Mineral Sites British Geological Survey National Geoscience Information Service	April-2006	Bi-Annually
BGS 1:625,000 Solid Geology British Geological Survey National Geoscience Information Service	August-1996	Not Applicable
Brine Compensation Areas Cheshire Brine Subsidence Compensation Board	November-2002	As notified
Coal Mining Affected Areas The Coal Authority Mining Report Service	January-2006	As notified
Shallow Mining Hazards British Geological Survey National Geoscience Information Service	August-2002	Variable
Potential for Collapsible Ground Stability Hazards British Geological Survey National Geoscience Information Service	May-2005	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey National Geoscience Information Service	November-2005	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey National Geoscience Information Service	May-2005	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey National Geoscience Information Service	May-2005	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey National Geoscience Information Service	May-2005	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey National Geoscience Information Service	May-2005	Annually
Mining Instability Ove Arup & Partners	October-2000	Not Applicable
Natural and Mining Cavities Peter Brett Associates	October-2001	Variable
Radon Affected Areas Health Protection Agency	January-2003	Not Applicable
Radon Protection Measures British Geological Survey National Geoscience Information Service	August-2002	Variable

Data Type	Version	Update Cycle
Industrial Land Use		
Contemporary Trade Directory Entries Thomson Directories	February-2006	Bi-Annually
Fuel Station Entries Catalist Ltd (Fuel Station Data)	March-2006	Quarterly

Data Type	Version	Update Cycle
Sensitive Land Uses		
Areas of Adopted Green Belt		
Rochdale Metropolitan Borough Council	April-2003	As notified
Bury Metropolitan Borough Council	August-1997	As notified
Manchester City Council	December-1998	As notified
Salford City Council	November-2003	As notified
Oldham Metropolitan Borough Council	October-2003	As notified
Areas of Unadopted Green Belt		
Rochdale Metropolitan Borough Council	April-2003	As notified
Bury Metropolitan Borough Council	August-1997	As notified
Manchester City Council	December-1998	As notified
Salford City Council	November-2003	As notified
Oldham Metropolitan Borough Council	October-2003	As notified
Areas of Outstanding Natural Beauty		
The Countryside Agency	October-2004	Annually
Environmentally Sensitive Areas		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December-2004	Annually
Forest Parks		
Forestry Commission	April-1997	Not Applicable
Local Nature Reserves		
Rochdale Metropolitan Borough Council	January-2000	Variable
Marine Nature Reserves		
English Nature	December-2004	Annually
National Nature Reserves		
English Nature	December-2004	Annually
National Parks		
The Countryside Agency	October-2004	Annually
Nitrate Sensitive Areas		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December-2003	Not Applicable
Nitrate Vulnerable Zones		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	May-2006	Annually
Ramsar Sites		
English Nature	December-2004	Annually
Sites of Special Scientific Interest		
English Nature	December-2004	Annually
Special Areas of Conservation		
English Nature	December-2004	Annually

Data Type	Version	Update Cycle
Sensitive Land Uses		
Special Protection Areas English Nature	December-2004	Annually

Some of the organisations who provide data which is used within the report

Ordnance Survey	 Licensed Partner
Environment Agency	
Scottish Environment Protection Agency	 Scottish Environment Protection Agency
The Coal Authority	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Countryside Council for Wales	 CYNGOR CEFN GWLAD CYMRU COUNTRYSIDE COUNCIL FOR WALES
Scottish Natural Heritage	
English Nature Site of Special Scientific Interest, National Nature Reserve, Ramsar, Special Protection Area, Special Conservation Area, Marine Nature Reserve data (derived from Ordnance Survey 1:10000 raster) is provided by, and used with the permission of, English Nature who retain the copyright and Intellectual Property Rights for the data	
Health Protection Agency	
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Contact Name and Address

1	Manchester City Council Environmental Health Department PO Box 463 Town Hall Extension Albert Square Manchester Greater Manchester M60 3NY www.manchester.gov.uk	Telephone 0161 234 4884 / 2 Fax 0161 234 4508
2	Rochdale Metropolitan Borough Council Environmental Health Department P O Box 32 Telegraph House Ballie Street Rochdale Greater Manchester OL16 1JH www.rochdale.gov.uk	Telephone 01706 864139 Fax 01706 864185
3	Environment Agency National Customer Contact Centre (NCCC) PO Box 544 Templeborough Rotherham S60 1BY enquiries@environment-agency.gov.uk	Telephone 08708 506 506
4	Manchester City Council Planning Department Town Hall Manchester Greater Manchester M60 2LA www.manchester.gov.uk	Telephone 0161 234 5000 Fax 0161 234 4508

Contact Name and Address

5	British Geological Survey Enquiry Service British Geological Survey Kingsley Dunham Centre Keyworth Nottingham Nottinghamshire NG12 5GG enquiries@bgs.ac.uk www.bgs.ac.uk	Telephone 0115 936 3143 Fax 0115 936 3276
6	The Coal Authority Mining Report Service 200 Lichfield Lane Mansfield Nottinghamshire NG18 4RG thecoalauthority@coal.gov.uk	Telephone 0845 7626848 DX 716176 Mansfield 5
7	Health Protection Agency Chilton Didcot Oxfordshire OX11 0RQ	Telephone 01235 831600 Fax 01235 833891
8	Rochdale Metropolitan Borough Council PO Box 15 Town Hall Rochdale Greater Manchester OL16 1AB www.rochdale.gov.uk	Telephone 01706 647474 Fax 01706 59475
	Catalist Ltd (Fuel Station Data) Richmond House 22 Richmond Hill Clifton Bristol Avon BS8 1BA Mark@catalist-uk.com	Telephone 0117 923 7113 Fax 0117 923 7166

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www.landmark-information.co.uk

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



**British
Geological Survey**

NATURAL ENVIRONMENT RESEARCH COUNCIL

Borehole Records Order Form

Name: Company: Address: Postcode:	Your Ref/Order no: Our Ref: ISGR/ Tel: Fax:
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Quarter Sheet (eg. SE5ONE)	Number (eg. 21)	Suffix (if given) (eg. A-Z)	Name (eg. Bentley Village Sewer TP 1)

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RESPONSE TIMES MAY VARY DUE TO CUSTOMER DEMAND AND STAFF AVAILABILITY

Level of Service: (Please tick)

☐ **Standard Service** (variable within 5 days)

☐ **Premium Service** (24 hour response, £30 additional charge)

Delivery Method: (Please tick) ☐ **Post** ☐ **Special Delivery £4.25** ☐ **Fax 50p** (per sheet) ☐ **Digital CD £2** (per CD) ☐

Borehole unit price is £13 + VAT, Minimum charge £26 + VAT (includes 1st class postage).

Special Requirements or comments:

Please return form to: Records & Data Enquiries, British Geological Survey, Keyworth, Nottingham NG12 5GG.
 Tel: 01159363143 Fax: 01159363276 E-mail: enquiries@bgs.ac.uk

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 - You are fully responsible for all charges that accumulate on Your Account.
 - VAT at the prevailing rate shall be payable in addition to the Landmark Fees. You shall pay any other applicable indirect taxes related to Your use of the Services.
 - An individual or a monthly invoice showing all Orders created will be generated subject to these Terms. You will pay the Landmark Fees at the rates set out in Landmark's or its Authorised Reseller's invoice. The Landmark Fees are payable in full within 28 days without deduction, counterclaim or set off. You acknowledge that time is of the essence with respect to the payment of such invoices. Non-payment of Landmark Fees may, at Our sole discretion result in Landmark terminating or limiting the use of Your Account and its provision of Services to You. Landmark reserve the right to amend the Landmark Fees from time to time and the Services will be charged at the Landmark Fee applicable at the date on which the Service is ordered.
 - We may charge interest on late payment at a rate equal to 8% per annum above the base lending rate of National Westminster Bank plc.
 - Landmark or its Authorised Reseller shall not be obliged to invoice any party other than You for the provision of Services, but where Landmark or its Authorised Reseller does so invoice any third party at Your request, and such invoice is not accepted or remains unpaid, Landmark or its Authorised Reseller shall have the option at any time to cancel such invoice and invoice You direct for such Services. Where Your order comprises a number of Services or severable elements within any one or more Services, any failure by Landmark or its Authorised Reseller to provide an element or elements of the Services shall not prejudice Landmark's or its Authorised Reseller's ability to require payment in respect of the Services delivered to You
- ## 5. Termination
- Landmark may suspend or terminate Your rights under these Terms without any liability to You with immediate effect if at any time:-
 - You fail to make any payment due in accordance with Clause 4;
 - You repeatedly breach or commit or cause to be committed any material breach of these Terms; or
 - You commit a breach and You fail to remedy the breach within 7 days of receipt of a written notice to do so. Landmark may remedy the breach and recover the costs thereof from You; or
 - You commit an act of bankruptcy or insolvency, are unable to pay Your debts as or when they fall due or make any composition or arrangement with Your creditors, or go into liquidation whether voluntary or compulsory, or if any order is made or a resolution is passed for Your winding up (except for the purpose of a solvent amalgamation or reconstruction), or if You cease or prepare to cease trading, or if You suffer the appointment of a receiver, administrative receiver, administrator or similar officer over the whole or part of any of Your assets.
 - If Your rights are terminated under this Clause and You have made an advance payment We will refund You a reasonable proportion of the balance as determined by Us in relation to the value of Services previously purchased.
 - We may suspend the Agreement between You and Landmark for an indefinite period without notice and at any time if in Our opinion You are in breach of any of the provisions of these Terms.

6. Liability

- We provide warranties and accept liability only to the extent stated in this Clause 6.
- Nothing in these Terms excludes either party's liability for death or personal injury caused by that party's

negligence or willful default.

- c. As most of the information contained in the Services is provided to Landmark by others, Landmark cannot control its accuracy or completeness, nor is it within the scope of Landmark's Services to check the information on the ground. Accordingly, subject to clause 6b, Landmark will only be liable to You for any loss or damage caused by its negligence or willful default and neither Landmark nor any person providing information contained in any Services shall in any other circumstances be liable for any inaccuracies, faults or omissions in the Services nor shall Landmark have any liability if the Services are used otherwise than in accordance with these Terms.
- d. Save as precluded by law, Landmark shall not be liable for any indirect or consequential loss, damage or expenses (including loss of profits, loss of contracts, business or goodwill) howsoever arising out of any problem, event, action or default by Landmark or any indirect or consequential loss of any nature whatsoever or for any physical damage to or loss of Your tangible property, any other direct loss, damage, cost or expense of any kind or any indirect or consequential loss, damage, cost or expense of any kind, whether any of the above arise under contract, tort (including negligence), an indemnity or contribution or otherwise.
- e. In any event, and notwithstanding anything contained in these Terms, Landmark's liability in contract, tort (including negligence or breach of statutory duty) or otherwise howsoever arising by reason or in connection with this Contract (except in relation to death or personal injury) shall be limited to an aggregate amount not exceeding £1 million if the complaint is in relation to a Report on residential property and an amount not exceeding £10 million in respect of any other Report or Service purchased from Landmark except in so far as Landmark will not be liable for any defect, failure or omission relating to Services that is not notified to Landmark within six months of the date of the issue becoming apparent and in any event, within one year of the date of the Report if the complaint is in relation to a Report on residential property and within six years of the date of the Report in respect of any other Report or Service. Where any claim relates to either a part of the Services that is not chargeable or if You have been in breach of any part of these Terms Landmark's liability shall be limited to £1,000.
- f. No person may rely on the Report more than 12 months after its original date.
- g. You acknowledge that:-
- i. You shall have no claim or recourse against any Third Party Content supplier nor any of our other Suppliers. You will not in any way hold us responsible for any selection or retention of, or the acts or omissions of Third Party Content suppliers or other Suppliers (including those with whom We have contracted to operate various aspects or parts of the Service) in connection with the Services (for the avoidance of doubt Landmark is not a Third Party Content supplier). Landmark does not promise that the supply of the Services will be uninterrupted or error free or provide any particular facilities or functions, or that the Content will always be complete, accurate, precise, free from defects of any other kind, computer viruses, software locks or other similar code although Landmark will use reasonable efforts to correct any inaccuracies within a reasonable period of them becoming known to us;
- ii. Landmark's only obligation is to exercise the reasonable skill and care in providing environmental property risk information to persons acting in a professional or commercial capacity and You hereby acknowledge that You are such a person;
- iii. no physical inspection of the Property Site reported on is carried out as part of any Services offered by Landmark and as such We do not warrant that all land uses or features whether past or current will be identified in the Services and the Services do not include any information relating to the actual state or condition of any Property Site nor should they be used or taken to indicate or exclude actual fitness or unfitness of a Property Site for any particular purpose nor should it be relied upon for determining saleability or value or used as a substitute for any physical investigation or inspection;
- iv. You should carefully inspect the Property Site, and take any other advice that would be reasonably prudent to do prior to making any decision about the Property Site to which any Report or Service relates and not rely exclusively on the Report or any other Landmark Services in terms of valuing the Property Site;
- v. Landmark will not be held liable in any way if a Report on residential property is used for commercial property or more than the one residential property for which it was ordered;

- vi. the Services have not been prepared to meet Your or anyone else's individual requirements; that You assume the entire risk as to the suitability of the Services and waive any claim of detrimental reliance upon the same; and You confirm You are solely responsible for the selection or omission of any specific part of the Content;
- vii. You shall be solely responsible for maintaining the confidentiality of Your passwords (including Your Designated Users' password(s)) and You will notify us immediately that You become aware of any unauthorised access to, use or copying of any part of Services or document or report derived or downloaded there from by anyone;
- viii. You must observe and comply with all applicable regulations and legislation;
- ix. We offer no warranty for the performance of any linked internet service not operated by Us;
- x. You will on using the Services make a reasonable inspection of any results to satisfy Yourself that there are no defects or failures. In the event that there is a material defect You will notify us in writing of such defect within seven days of its discovery;
- xi. without prejudice to any restrictions set out in these Terms, if in the course of Your business or otherwise You use for the benefit of or convey to any third party any part of the Website, Content, or Services You must make such third parties aware of the limitations, obligations and acknowledgements contained herein;
- xii. any support or assistance provided to You in connection with these Terms is at Your risk;
- xiii. the information contained in the Services has been extracted from various Crown Copyright and other published sources, and accordingly, Landmark does not accept any responsibility, and expressly disclaims all liability, for any errors, omissions or misstatements, or for any loss occasioned to any person acting, or refraining from action, as a result of, or in reliance upon, the information contained in these Services;
- h. All liability for any Insurance products purchased by You rests solely with the insurer. Landmark does not endorse any particular product or insurer and no information contained within the Services should be deemed to imply otherwise. You acknowledge that if You Order any such insurance Landmark will deem such as Your consent to forward a copy of the Report to the insurers. Where such policy is purchased, all liability remains with the insurers and You are entirely responsible for ensuring that the insurance policy offered is suitable for Your needs and should seek independent advice. Landmark does not guarantee that an insurance policy will be available on a Property Site. All decisions with regard to the offer of insurance policies for any premises will be made solely at the discretion of the insurers and Landmark accepts no liability in this regard. The provision of a Report does not constitute any indication by Landmark that insurance will be available on the property.
- i. If Landmark provides You with any additional service obtained from a third party, including but not limited to any professional opinion, interpretation or conclusion, risk assessment or environmental report or search carried out in relation to a Report on Your Property Site, Landmark will not be liable in any way for any information contained therein or any issues arising out of the provision of those additional services to You or Your Client. Landmark will be deemed to have acted as an agent in these circumstances and the supply of these additional services will be governed by the terms and conditions of those Third Parties. For the avoidance of doubt, those parties providing assessments or professional opinions on Landmark products include RPS Plc & Wilbourn Associates Limited. Copies of their terms and conditions are available on request from Landmark.
- j. Landmark has undertaken the Services for use only by the persons referred to at clause 3b and for no other purpose whatsoever and the Services should not be relied upon by any other third party. Landmark can accept no responsibility and will not be liable to any third party for any loss caused as a result of reliance upon the Services. Any third party relying on the Services does so entirely at its own risk, including without limitation any insurers referred to in this clause 6. Recipients of the Services are to rely on their own skill and judgment in determining the suitability of the Services for their own purpose and use and are advised to use the Services with caution and not base important business decisions solely on the same. Landmark Services are merely one of the tools available for the assessment of environmental, geological or other property or land-related risks and should be used in conjunction with other recognised methods of evaluation.

- k. Time shall not be of the essence with respect to the provision of the Services.

7. Events Beyond Our Control

You acknowledge that Landmark shall not be liable for any delay, interruption or failure in the provision of the Services which are caused or contributed to by any circumstance which is outside our reasonable control including but not limited to, lack of power, telecommunications failure or overload, computer malfunction, inaccurate processing of data, or delays in receiving, loading or checking data, corruption of data whilst in the course of conversion, geo-coding, processing by computer in the course of electronic communication, or printing.

8. Severability

If any provision of these Terms are found by either a court or other competent authority to be void, invalid, illegal or unenforceable, that provision shall be deemed to be deleted from these Terms and never to have formed part of these Terms and the remaining provisions shall continue in full force and effect.

9. Governing Law

This Agreement shall be governed by and construed in accordance with English law and each party agrees irrevocably submit to the exclusive jurisdiction of the English courts as regards any claim or matter arising under this Agreement. If any dispute arises out of or in connection with this agreement (a "Dispute") the parties undertake that, prior to the commencement of Court proceedings, they will seek to have the Dispute resolved amicably by use of an alternative dispute resolution procedure acceptable to both parties with the assistance of the Centre for Dispute Resolution (CEDR) if required, by written notice initiating that procedure. If the Dispute has not been resolved to the satisfaction of either party within 60 days of initiation of the procedure or if either party fails or refuses to participate in or withdraws from participating in the procedure then either party may refer the Dispute to the Court.

10. Entire Agreement

- a. These Terms, together with the prices and delivery details set out on our Websites and Your Order comprise the whole of our agreement relating to the supply of Services to You by Landmark. No prior stipulation, agreement, promotional material or statement whether written or oral made by any sales or other person or representative on our behalf should be understood as a variation of these Terms or as an authorised representation about the nature or quality of any Services offered for sale by us. Save for fraud or misrepresentation, Landmark shall have no liability for any such representation being untrue or misleading.
- b. These Terms shall prevail at all times to the exclusion of all other terms and conditions including any terms and conditions which You may purport to apply even if such other provisions are submitted in a later document or purport to exclude or override these Terms and neither the course of conduct between parties nor trade practice shall act to modify these Terms.

11. General

- a. You shall not without our prior written consent assign, or transfer in any way the benefit of these Terms in whole or in part or any of Your obligations under these Terms save as provided by Clause 3.b. Your right to use the Services, operate Your Account or to designate users is not transferable.
- b. Landmark may assign its rights and obligations under these Terms without prior notice or any limitation.
- c. We may authorise or allow our contractors and other third parties to provide to Us and/or to You services necessary or related to the Services and to perform Our obligations and exercise Our rights under these Terms, which may include collecting payment on Our behalf.
- d. No waiver on our part to exercise, and no delay in exercising, any right, power or provision hereunder shall operate as a waiver thereof, nor shall any single or partial exercise of any right, power or provision hereunder preclude the exercise of that or any other right, power or provision.
- e. References in these Terms to any legislation shall be construed as references to the same as amended or re-enacted from time to time and shall include subordinate legislation or regulations.
- f. Unless otherwise stated in these Terms, all notices from You to Landmark must be in writing and sent to the Landmark registered office (or in the case of an Authorised Reseller, to its registered office address) and all notices from Us to You will be displayed on our Websites from time to time.
- g. A person who is not a party to any contract made pursuant to these Terms shall have no right under the Contract (Right of Third Parties) Act 1999 to enforce any terms of such contract and Landmark shall not be liable to any such third party in respect of any Services supplied.
- h. Landmark reserves the right to monitor or record telephone calls for training purposes.

Envirocheck® Report:

Historical Map List

Report on:

Our Lady'S Rc Sports College
Alworth Road
Manchester
M9 0RP

National Grid Reference :

385610, 404470

Prepared For :

Geotechnics Ltd
The Geotechnical Centre
Unit 1 Borders Industrial Park
Saltney
CH4 8RJ

Client Details:

Laing O Rourke,3 Archway,Birley
Fields,Hulme,Manchester,M15 5QJ,

Your Reference

K Nicholls,PN061161

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Ordnance Survey County Series Published 1893

(1)

County	Mapsheet	Scale	Year
Lancashire And Furness	096_07	1:2,500	1893
Lancashire And Furness	096_11	1:2,500	1893

Ordnance Survey County Series Published 1909

(2)

County	Mapsheet	Scale	Year
Lancashire And Furness	096_07	1:2,500	1909
Lancashire And Furness	096_11	1:2,500	1909

Ordnance Survey County Series Published 1922

(3)

County	Mapsheet	Scale	Year
Lancashire And Furness	096_07	1:2,500	1922
Lancashire And Furness	096_11	1:2,500	1922

Ordnance Survey Plan Published 1952

(1)

National Grid Series	Mapsheet	Scale	Year
Ordnance Survey Plan	SD8504	1:2,500	1952

Ordnance Survey Plan Published 1952

(1)

National Grid Series	Mapsheet	Scale	Year
Ordnance Survey Plan	SD8504NE	1:1,250	1952
Ordnance Survey Plan	SD8504NW	1:1,250	1952
Ordnance Survey Plan	SD8504SE	1:1,250	1952
Ordnance Survey Plan	SD8504SW	1:1,250	1952

Ordnance Survey Plan Published 1958 to 1982

(2)

National Grid Series	Mapsheet	Scale	Year
Ordnance Survey Plan	SD8504SE	1:1,250	1982
Ordnance Survey Plan	SD8504SW	1:1,250	1958

Ordnance Survey Plan Published 1982

(3)

National Grid Series	Mapsheet	Scale	Year
Ordnance Survey Plan	SD8504SW	1:1,250	1982

Additional SIMs Published 1978 to 1988

(1)

National Grid Series	Mapsheet	Scale	Year
Ordnance Survey Plan	SD8504NE	1:1,250	1988
Ordnance Survey Plan	SD8504NW	1:1,250	1984
Ordnance Survey Plan	SD8504SE	1:1,250	1978
Ordnance Survey Plan	SD8504SW	1:1,250	1978

Additional SIMs Published 1989 to 1990

(2)

National Grid Series	Mapsheet	Scale	Year
Ordnance Survey Plan	SD8504NW	1:1,250	1990
Ordnance Survey Plan	SD8504SW	1:1,250	1989

Supply of Unpublished Survey Information Published 1974 to 1976

(1)

National Grid Series	Mapsheet	Scale	Year
Ordnance Survey Plan	SD8504NE	1:1,250	1974
Ordnance Survey Plan	SD8504NW	1:1,250	1976
Ordnance Survey Plan	SD8504SE	1:1,250	1976
Ordnance Survey Plan	SD8504SW	1:1,250	1976

Supply of Unpublished Survey Information Published 1977

(2)

National Grid Series	Mapsheet	Scale	Year
Ordnance Survey Plan	SD8504SW	1:1,250	1977

Large-Scale National Grid Data Published 1992

(1)

National Grid Series	Mapsheet	Scale	Year
Ordnance Survey Plan	SD8504NE	1:1,250	1992
Ordnance Survey Plan	SD8504NW	1:1,250	1992
Ordnance Survey Plan	SD8504SE	1:1,250	1992
Ordnance Survey Plan	SD8504SW	1:1,250	1992

Ordnance Survey County Series Published 1848

(1)

County	Mapsheet	Scale	Year
Lancashire And Furness	096_00	1:10,560	1848

Ordnance Survey County Series Published 1894

(2)

County	Mapsheet	Scale	Year
Lancashire And Furness	096_NE	1:10,560	1894
Lancashire And Furness	096_NW	1:10,560	1894
Lancashire And Furness	096_SE	1:10,560	1894
Lancashire And Furness	096_SW	1:10,560	1894

Ordnance Survey County Series Published 1910

(3)

County	Mapsheet	Scale	Year
Lancashire And Furness	096_NE	1:10,560	1910
Lancashire And Furness	096_NW	1:10,560	1910
Lancashire And Furness	096_SE	1:10,560	1910
Lancashire And Furness	096_SW	1:10,560	1910

Ordnance Survey County Series Published 1923 to 1938

(4)

County	Mapsheet	Scale	Year
Lancashire And Furness	096_NE	1:10,560	1932
Lancashire And Furness	096_NW	1:10,560	1923
Lancashire And Furness	096_SE	1:10,560	1938
Lancashire And Furness	096_SW	1:10,560	1932

Ordnance Survey Plan Published 1955 to 1956

(1)

National Grid Series	Mapsheet	Scale	Year
Ordnance Survey Plan	SD80NE	1:10,560	1956
Ordnance Survey Plan	SD80NW	1:10,560	1955
Ordnance Survey Plan	SD80SE	1:10,560	1956
Ordnance Survey Plan	SD80SW	1:10,560	1956

Ordnance Survey Plan Published 1965 to 1968

(2)

National Grid Series	Mapsheet	Scale	Year
Ordnance Survey Plan	SD80NE	1:10,560	1965
Ordnance Survey Plan	SD80NW	1:10,560	1965
Ordnance Survey Plan	SD80SE	1:10,560	1966
Ordnance Survey Plan	SD80SW	1:10,560	1968

Ordnance Survey Plan Published 1974 to 1979

(1)

National Grid Series	Mapsheet	Scale	Year
Ordnance Survey Plan	SD80NE	1:10,000	1977
Ordnance Survey Plan	SD80NW	1:10,000	1974
Ordnance Survey Plan	SD80SE	1:10,000	1978
Ordnance Survey Plan	SD80SW	1:10,000	1979

Ordnance Survey Plan Published 1982

(2)

National Grid Series	Mapsheet	Scale	Year
Ordnance Survey Plan	SD80SE	1:10,000	1982

Ordnance Survey Plan Published 1983 to 1990

(3)

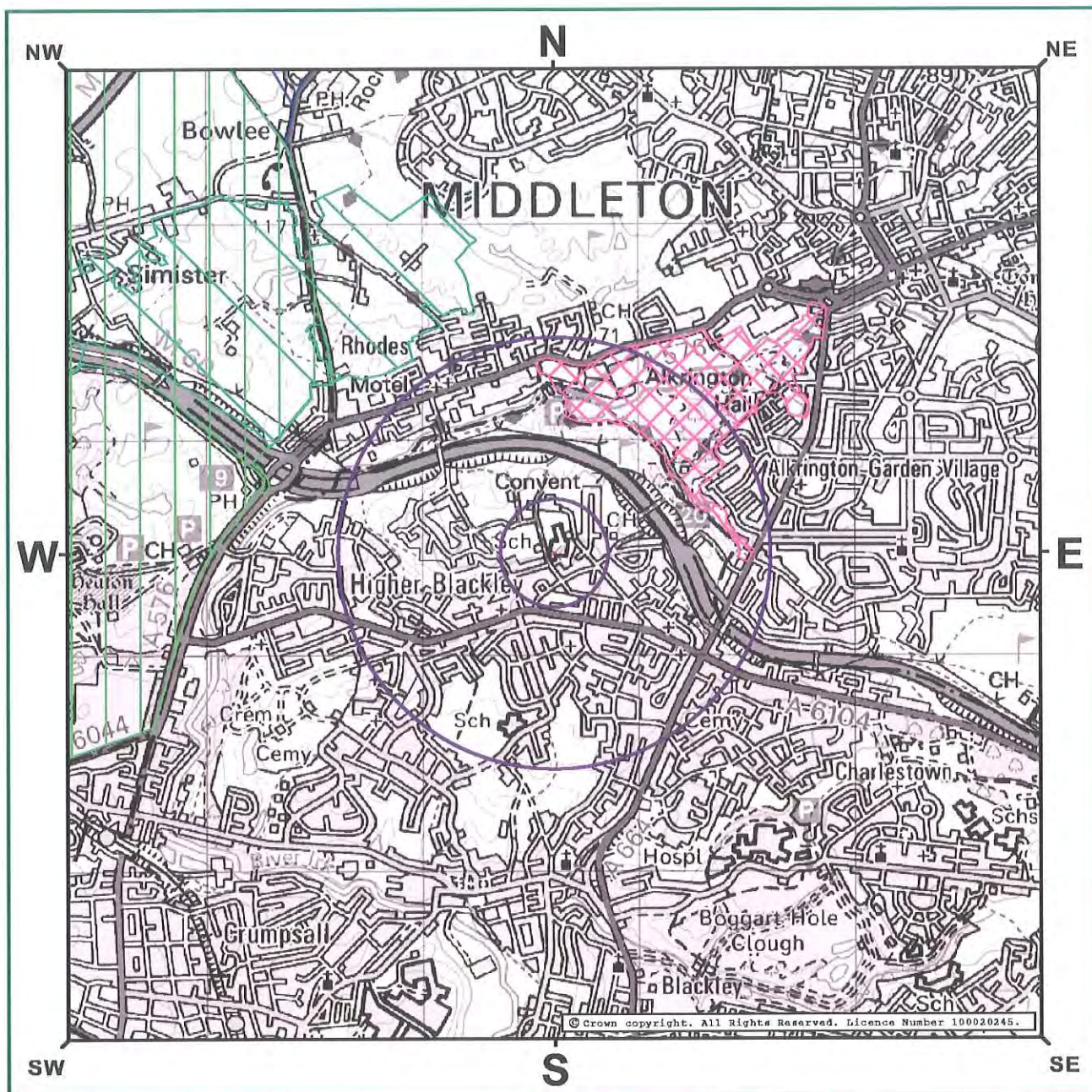
National Grid Series	Mapsheet	Scale	Year
Ordnance Survey Plan	SD80NE	1:10,000	1984
Ordnance Survey Plan	SD80NW	1:10,000	1983
Ordnance Survey Plan	SD80SE	1:10,000	1990
Ordnance Survey Plan	SD80SW	1:10,000	1986

10K Raster Mapping Published 2003 to 2004

(1)

National Grid Series	Mapsheet	Scale	Year
Ordnance Survey Plan	SD80NE	1:10,000	2004
Ordnance Survey Plan	SD80NW	1:10,000	2004
Ordnance Survey Plan	SD80SE	1:10,000	2003
Ordnance Survey Plan	SD80SW	1:10,000	2004

Currently we do not have agreement with Ordnance Survey to provide Large Scale National Grid Data from 1996 onwards.



KEY

General

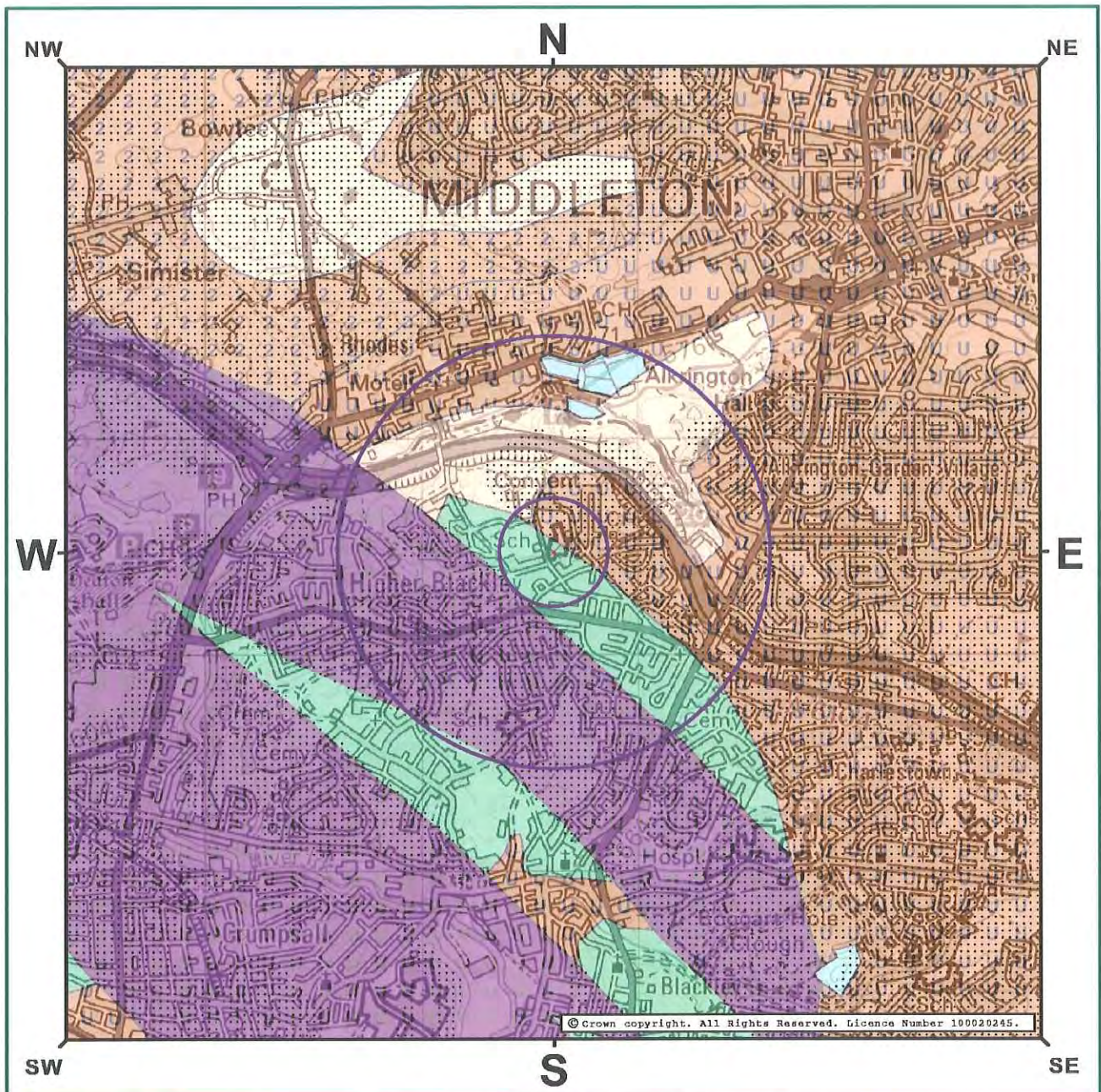
- Specified Site
- Bearing Reference Point
- Buffer

Sensitive Land Uses

- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty

- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- National Scenic Area

- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area



KEY

General

- Specified Site
- X Bearing Reference Point
- Buffer

Groundwater Vulnerability

Geological Classes

Major Aquifer
(High Permeable)

Minor Aquifer
(Variable Permeable)

Non Aquifer
(Negligibly Permeable)

Soil Classes

High (H) 1, 2, 3, U

Intermediate (I) 1, 2

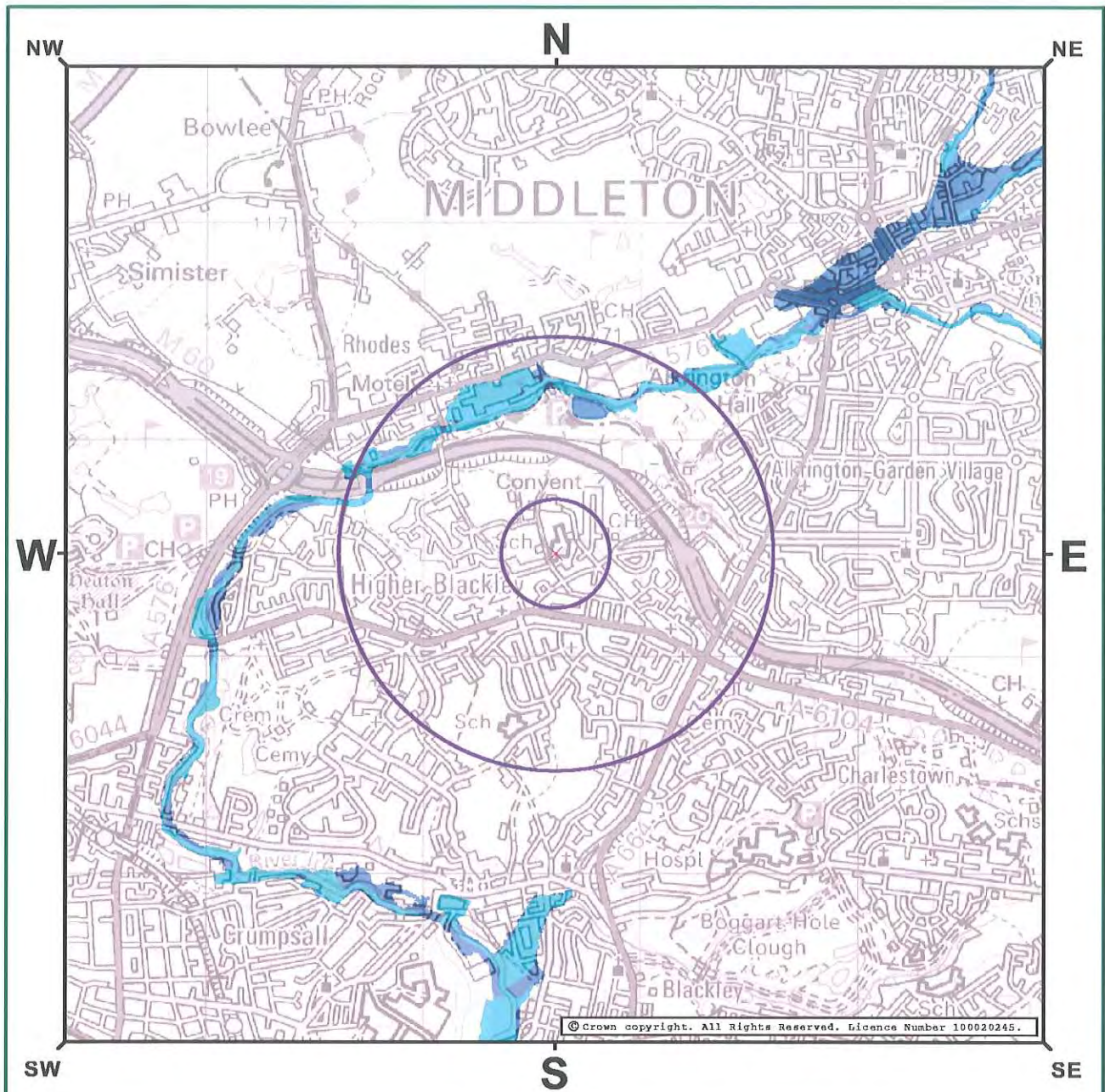
Low

High (H) 1, 2, 3, U

Intermediate (I) 1, 2

Low

Drift Deposit



KEY

General

- ◇ Specified Site
- X Bearing Reference Point
- Buffer

Agency & Hydrological Environment Agency

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