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ENVIRONMENTAL INVESTIGATION REPORT

Shell Petrol Filling Station
Wilbraham Road, Chorlton-cum-Hardy, Manchester

Report No: In13006 CL 001a

July 2013

Client: Rapleys LLP

Report Prepared By:



James Skinner

Report Reviewed By:



James Edley

Environmental Investigation – Summary			
Sitework Completed			
Underground service drawing completed:	3rd June 2013	No of boreholes constructed / maximum depth drilled	5no. / 6.0m
Date investigation completed:	3rd June 2013	Number of monitoring wells installed /maximum depth	5no / 5.6m
Date of groundwater monitoring visit:	17th June 2013	Monitoring for hazardous ground gas completed?	No

Encountered Hydrogeology/Geology					
Groundwater strike	Variable – 2.2m – 4.4m			Groundwater standing	Variable – 1.7m – 4.2m
Soil Stratigraphy	Geological Unit	From	To	Description	
	Made Ground	0.1	4.3	MEDIUM DENSE brown or red brown black gravely SAND or FIRM brown black sandy CLAY with glass, brick, tarmac and concrete	
	Glaciofluvial Sheet Deposits	0.2	>6.0	Variable layers of MEDIUM DENSE brown or orange brown, occasionally gravelly, SAND and FIRM brown CLAY with sandstone gravel.	

Results of Investigation - Environmental				
Visual/olfactory evidence of hydrocarbons?	Hydrocarbon odours were noted in sandy Made Ground at ~4.3m depths in BH3, located to the north of the tank farm area. We also noted tarmac fragments in shallow Made Ground across the forecourt areas of the site.			
Max TPH conc.	Soil	29.43mg/kg	Groundwater	521µg/l
Environmental Assessment Conclusions:	The results of our Generic Quantitative Risk Assessment indicate that the concentrations of total petroleum hydrocarbons in the groundwater sample obtained from BH1 exceed generic assessment criteria. However, due to the low recorded concentrations recorded and isolated nature of the identified hydrocarbon impact we do not consider our investigation data to suggest a widespread or significant contamination issue at the site. Furthermore, groundwater was recorded at variable depths across the site, either perched in Made Ground or contained within sand horizons in the underlying Glaciofluvial Deposits. We therefore consider that lateral migration of hydrocarbons from the site will be limited. Due to the restricted nature of the forecourt area we were unable to construct more boreholes across the site to delineate the limited hydrocarbon impact we encountered. However, on the basis of our site investigation data, we do not consider the site will pose a risk to identified receptors and is most likely suitable for continued use as a petrol filling station. In order to provide a definitive conclusion we would need to undertake a Detailed Quantitative Risk Assessment using the site data we obtained.			

Please refer to Section 7 of our report for our recommendations in full.
Your attention is drawn to the Notice to Interested Parties included as Attachment One.

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Attachment One: Notice to Interested Parties
Attachment Two: Site Plans and Borehole Logs
Attachment Three: Chemical Analysis Certificates
Attachment Four: Environmental Data Report

1 Introduction

1.1 The Purpose of This Assessment

We have been commissioned by Rapleys LLP to carry out an environmental assessment at the Shell branded petrol station on Wilbraham Road in Chorlton-cum-Hardy.

The purpose of the assessment is predominantly to determine whether the quality of soil and/or groundwater underlying the site has been impacted with hydrocarbons associated with past operations. However, additional potential contaminants may also have been considered within our assessment subject to our review of the site's former uses. Our assessment is designed to determine whether any contaminants present might pose an unacceptable (long-term) risk to future site users and/or any environmental receptors that are associated with the site.

This assessment has been undertaken in accordance with the guidelines presented in the Environment Agency, 'Model Procedures for the Management of Land Contamination'[1] and Environment Agency Guidance on Requirements for Land Contamination Reports[2].

All the activities comprising this assessment were carried out in accordance with the procedures set out in our Quality Manual. Your attention is drawn to the Notice to Interested Parties included as Attachment One.

1.2 The Scope of This Assessment

Our assessment of the site was carried out in the following parts:

- Preliminary Risk Assessment comprising a desk based review of site specific information that is readily available in the public domain to develop a conceptual site model and assess potential pollutants, pathways and receptors associated with the site;
- Underground utilities survey of the site using radio detection techniques to identify the location of below ground services at the site;
- A walkover inspection to identify visual signs of pollution or potentially polluting activities;
- An intrusive site investigation comprising the construction of five boreholes, drilled using our Geoprobe direct-push drilling rig;
- A return visit to carry out groundwater monitoring and obtain representative groundwater samples from the monitoring well we installed at the site;
- Chemical analysis of representative soil and groundwater samples;
- Provision of this report, including the development of a Conceptual Site Model to assess potential pollutants, pathways and receptors associated with the site and completion of a Generic (Quantitative) Risk Assessment;
- Provision of recommendations relating to the presence of potential contaminants identified during our investigation;

1.3 Previous Reports Relating to the Site

We do not hold, and have not been provided with, any previous reports relating to the site.

[1] DEFRA and Environment Agency (2004) "Model Procedures for the Management of Land Contamination" Report CLR 11 Environment Agency, Bristol.

[2] Environment Agency (2005) "Guidance on Requirements for Land Contamination Reports" Version 1.

2 Desk-based Information

Geographical	
Grid Reference	381980 394030
Height (m AOD)	30m
Size (approx)	0.16ha
Location	On the A6010 (Wilbraham Road) in Chorton-cum-Hardy, approximately 4km the south of Manchester City Centre.

Table One: Site Location and Setting

Surrounding Land Use	
North	Residential properties and/or flats with gardens.
East	Predominantly residential properties with gardens. Some retail units along Wilbraham Road.
South	Railway line (Metro Link) to the south and west, with residential properties beyond. Block of residential flats to the southeast.
West	Railway line (Metro Link) immediately to the west and Chorlton cum Hardy station is to the immediate northwest. Morrisons supermarket beyond railway line (~50m), with commercial warehouse units to the north west (adjacent to the railway line). Predominantly residential properties beyond (~250m) with some retail shops along Wilbraham Road.

Table Two: Surrounding Land Use

	Geological Unit	Description	Estimated Thickness	Data Source
Drift Geology	Glaciofluvial Sheet Deposits	Generally encountered as poorly sorted layers of sand, gravel and clays.	~5 - 10m	British Geological Survey mapping
Solid Geology	Sherwood Sandstone	Brown or yellow brown sandstone, occasionally pebbly.	>50m	

Table Three: Regional Geology

	Geological Unit	Environment Agency Aquifer Classification	Data Source
Drift Geology	Glaciofluvial Sheet Deposits	Secondary Aquifer (Class A)	Environment Agency
Solid Geology	Sherwood Sandstone	Principal Aquifer	

Table Four: Regional Hydrogeology

	Description	Distance	Direction	Data Source
Nearest Surface Water	Chorlton Brook	~750m	S / SE	Ordnance Survey mapping

Table Five: Regional Hydrology

Abstraction	Surface Water			Groundwater		
	Distance	Direction	Purpose	Distance	Direction	Purpose
Nearest Public Water Supply	No surface water abstractions identified within 1km of the site.			No groundwater abstractions identified within 1km of the site.		
Source Protection Zone (SPZ)	The site is not located within a defined Source Protection Zone					
All data sourced from Envirocheck environmental report (included as Attachment Four).						

Table Six: Nearest Surface and Groundwater Abstractions

Flood Risk Zone	Flood Risk	Data Source
None	The site is not located in an area that the Environment Agency considers to be at risk of flooding.	Envirocheck report

Table Seven: Preliminary Flood Risk Assessment

Risk	Description	Data Source
Radon Risk	The site is located in an area where the National Radiological Protection Board has determined that <1% of houses are affected by radon. This places the site in a low risk area for radon infiltration into residential or commercial buildings at the site.	Envirocheck report
Nearest Landfill	The Environment Agency records show that there are no current or past landfill sites within 250m of the site. The site is therefore unlikely to be at-risk of impact from elevated concentrations of hazardous ground gases that are commonly associated with landfill sites e.g. methane or carbon dioxide.	Envirocheck report
Risk of Mining / Quarrying	The site is not located in an area considered to be at risk of coal mining. The nearest recorded mineral workings comprised a historical brick works, approximately 800m from the site location.	Envirocheck report

Table Eight: Landfill, Radon Gas and Coal Mining Risk

Receptor	Description	Data Source
Environmentally Sensitive Sites (SSSI, Ramsar etc)	None identified in the immediate vicinity of the site.	Envirocheck report

Table Nine: Other Environmental Receptors

Date	Review of Map – Description of Land Use at Site and in the Immediate Surrounding Area	Potentially Contaminative Land-use	
		On-site	Off-site
1894	The site is shown as an undeveloped field. Wilbraham Road is shown forming the southern site boundary and to the immediate west is a railway line. Chorlton-cum-Hardy station is shown to the immediate north west, with a goods shed and yard areas shown along the western edge of the railway line. Further to the west is Chorlton cum Hardy, with streets of terraced residential properties. To the east of the site are fields and Hobson Hall Farm.	None identified	Railway use with associated sidings and subsequent industrial / commercial units located to the west of the site.
1907	The site remains undeveloped, with a 'pavilion' shown to the immediate north (site possibly in recreational use?). To the east and northeast there are now streets of terraced residential properties, although southeast of Wilbraham Road remains shown as fields. There are additional railway sidings now shown to the west of the site, beyond the main railway line.		
1922	The site remains undeveloped, although there is a feature shown which possibly suggests some form of sloping entrance driveway to the pavilion building to the north. Further residential development of the surrounding area is shown, with additional terraced residential streets marked to the south and east. A church is also now shown to the south of the site.		
1951 - 1959	The site is now shown occupied by a number of small lock-up garages. The pavilion building to the immediate north has been demolished and this adjacent site also comprises 'garages'. There is still some form of entrance road into the site from Wilbraham Road and this appears to slope down into the central area of the site. Commercial units are shown along the western side of the railway sidings to the west of the site. Further residential development is shown to the north.	Possible car storage / lock-up garage use	
1981 - 1985	The site is shown redeveloped as a garage / petrol station. To the west, the railway sidings area has been demolished and redeveloped with commercial / industrial units and the former railway lines removed.	Petrol station use – hydrocarbon fuels	
1992	No significant changes		

Table Ten: Historical Maps Review

3 Investigation Results

3.1 Site Walkover and review of Petroleum Register

Item	Details	Data
Rationale For Site Investigation	We have identified one or more potentially contaminative land use and one or more sensitive receptors (human and/or environmental). We therefore conclude that potentially viable pollutant linkages exist at the site and we have carried out an intrusive soil and/or groundwater investigation to determine whether these linkages are likely to cause significant harm.	
Below Ground Services Survey	We have carried out a survey using radio detection methods of utilities buried underneath the site. Our survey was suitable for identifying power cables, metallic fuel pipework, surface water and foul water drainage. The technique that we used is unable to detect any plastic pipework or fibre optic cabling that might be present. The results of our survey are included in Attachment Two.	
	Surface water drainage, interceptors and discharges	The surface water drainage system at the site comprises a series of box gullies, located across the site entrance roads and along the eastern edges of the forecourt areas, and a number of additional pit gullies at various locations across the forecourt. Surface water from the forecourt areas drains to a combined foul sewer located under Wilbraham Road via a three stage brick built interceptor with an estimated capacity of 3,000litres. The interceptor was found to be extremely dirty and all chambers contained a thick oily scum. Site records show the interceptor was last emptied in April 2013.
	Foul	Foul drainage discharges directly to the combined sewer under Wilbraham Road.
Site Walkover Inspection	Buildings	The site building comprises a split level brick structure that contains a basement level to the north of the petrol forecourt, currently occupied by a car repair workshop. At the forecourt level is a shop. The shop facia appears to be in relatively good condition, although the main building is showing signs of wear.
	General condition of the site	The hard standing across the forecourt comprises concrete. Hard standing was in average condition with evidence of several phases of repair. The older sections of hard standing, especially around the majority of the tanks, showed signs of damage and cracking. We noted damage to several of manhole chambers and box gullies.
	Fuel lines, fill-points, vapour recovery system and tank access manholes	Tanks are filled via offset fill points located between the pump islands in the centre of the forecourt. Stage Ib vapour recovery is active at the site. We were unable to successfully trace the offset fill or supply lines. No access was available to several of the tank chambers, and several others were flooded. It is suspected that the fuel lines from Tank 7 are constructed from GRP / plastic.
	Other fuel storage	No other fuel storage was noted at the site.

Table Eleven: General Site Condition (continued overleaf)

Continued from previous page…

Item	Details	Data
Review of Petroleum Register	Tank information	The tanks present at the site are detailed as follows: ➢ Tank 1 – Diesel – 13,670litres ➢ Tank 2 - Diesel – 13,670litres ➢ Tank 3 - Diesel – 13,670litres ➢ Tank 4 – V-Power Diesel – 9,062litres ➢ Tank 5 – Unleaded – 9,062litres ➢ Tank 6 – Unleaded – 9,062litres ➢ Tank 7 – Unleaded – 29,400litres There was no information on site regarding the age or construction of the tanks. However, we did note a certificate dating from 2004 that certified the removal of tanks from the site. Given the isolated nature of Tank 7 and the different construction of the associated access manhole, we consider this it likely that Tank 7 was installed in 2004, presumably to replace the tanks that were removed from the site at this time.
	Wet-stock reconciliation	Tank contents are monitored using a Veeder Root TLS 350 system with wet-stock data monitored off-site by a third party wet-stock specialist. The site manager advised us that that the site has no anomalous wet-stock readings within the last three to six months.
	Other	The site slopes down steeply to the north. The northern half of the main building at the site contains a basement level and this is currently occupied by a car repair business. Access to the adjacent car repair business is from Buckingham Road, to the east of the forecourt. We did not complete a detailed audit of the car repair business as part of this investigation, which was designed to focus on the petrol forecourt area of the site. We were allowed to inspect the workshops area, however. The workshops had concrete floors and were fitted with hydraulic lifts. Whilst oil staining was noted on the floors, generally the workshops appeared in relatively good condition. We noted various car parts, engines, gas bottles and waste oil drums around the workshop areas in the parking areas on the north western site boundaries (which were also not paved with hard standing). We did not observe any waste oil tanks.

Table Eleven: General Site Condition (continued)

3.2 Details of our Investigation

Item	Details	Data
Drilling	Drilling method	GeoProbe (direct-push)
	Number of boreholes and maximum depth drilled	5No. to max depth of 6.0m. Borehole placement on the main forecourt of the site was limited due to the relatively small size of the area and presence of underground tanks. We were also unable to accurately locate the fuel lines, meaning additional caution was required in terms of borehole placement. Two of our boreholes were therefore located at the rear of the site, adjacent to the car repair workshops. Our intrusive borehole investigation was completed on the 3rd June 2013
	Borehole locations	See figure included as Attachment Two
	Monitoring wells	All five boreholes were completed as groundwater monitoring wells.
Sampling methods	Soil	Representative soil samples were recovered from each borehole in sealed liners and logged onsite by a suitably qualified technician.
	Groundwater	We returned to the site to carry out groundwater monitoring on the 17th June 2013 Prior to sampling, resting groundwater levels were recorded using a water-level meter. Samples were collected, using disposable bailers, once purging of standing water had been completed.
	Sample preservation	Sub-samples were preserved in glass jars or bottles and stored in cool boxes during transportation to the laboratory for subsequent analysis.

Table Twelve: Drilling and Sampling Methodologies

Target / Rationale	Borehole				
	One	Two	Three	Four	Five
Below ground tank farm	X	x	x		
Forecourt - fuel pumps / lines	x	x	x		
Forecourt interceptor	x		x		
Car repair workshops				x	x

Table Thirteen: Borehole Strategy

3.3 Site Geology

A summary of the soil stratigraphy we encountered during our investigation is provided in the table below.

Item	Details		Data							
Geology encountered	Layer I	Made Ground	MEDIUM DENSE brown or red brown black gravely SAND with brick or tarmac fragments or FIRM brown black sandy CLAY with glass, brick and concrete.							
	Layer II	Glaciofluvial Sheet Deposits	Variable layers of MEDIUM DENSE brown or orange brown, occasionally gravelly, SAND and FIRM brown CLAY with occasional sandstone gravel.							
Borehole	One		Two		Three		Four		Five	
Soil layer	from	to	from	to	from	to	from	to	from	to
Layer I	0.0	1.8	0.2	4.3	0.1	1.8	-	-	0.1	2.1
Layer II	1.8	>5.5	4.3	>5.6	1.8	>5.8	0.1	>6.0	2.1	>5.0
Summary:	We generally encountered Made Ground to approximately 2m depths under the forecourt area of the site and encountered Made Ground to 4.3m depths in BH2, located in the south western corner of the site and close to the adjacent railway cutting. It would appear that site levels have been made up in the past. The underlying Glaciofluvial Deposits were found to comprise variable layers of sand and clays.									

All dimensions in meters below ground level

Table Fourteen: Soil Stratigraphy

3.4 Groundwater Monitoring Data

Borehole	Groundwater Level – Initial Strike 4th June 2013	Groundwater Level – At Rest 17th June 2013	Comments
One	2.5-3.0m / 4.4m	3.655m	Slow recharge in well. No hydrocarbon odours noted
Two	~4.3m / ~4.8m	4.215m	
Three	~3.6m	3.315m	
Four	~3.2m / ~3.7m	1.645m	Moderately slow recharge in well. No hydrocarbon odours
Five	~2.2m? (damp)	1.745m	
Summary:	Groundwater was encountered at variable depths across the site, contained within the permeable sand horizons in the underlying Glaciofluvial Deposits.		

All dimensions in metres below ground level

Table Fifteen: Groundwater Monitoring Data

4 Chemical Analysis Results

4.1 Chemical Analysis Rationale

Item	Details	Data
Chemical analysis rationale	Petrol-derived compounds	Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) and volatile total petroleum hydrocarbon fractions
	Petrol, diesel, waste and lube-oil derived compounds	Total Petroleum Hydrocarbons (TPH) – reported by carbon range. Total Petroleum Hydrocarbons (TPH) – reported by carbon range with additional aromatic and aliphatic speciation.
	Potential off-site contaminative sources - industrial land-use	Metals and polycyclic aromatic hydrocarbons (soil only)
	Characterisation of geology	Total organic carbon (soil only)
The results of our hydrocarbon analysis are summarised in the tables below. Certificates for all chemical analysis are included in Attachment Three.		

Table Sixteen: Chemical Analysis Strategy

4.2 Soil Analysis

Sampling Location	Depth (m)	Total Petroleum Hydrocarbons - Concentration (mg/kg)				
		$>C_8$-C_{10}	$>C_{10}$-C_{12}	$>C_{12}$-C_{16}	$>C_{16}$-C_{21}	$>C_{21}$-C_{35}
BH1	1.9	<0.5	<0.5	<0.5	<0.5	<0.5
BH1	5.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH2	0.5	<0.5	<0.5	<0.5	**9.53**	**19.9**
BH2	2.4	<0.5	<0.5	<0.5	**4.36**	**3.93**
BH2	4.7	<0.5	<0.5	<0.5	<0.5	<0.5
BH3	3.9	<0.5	<0.5	<0.5	**2.51**	**2.12**
BH3	4.3	**10.8**	**16.2**	**1.73**	<0.5	<0.5
BH3	4.8	<0.5	<0.5	<0.5	<0.5	<0.5
BH3	5.4	<0.5	<0.5	<0.5	<0.5	<0.5
BH4	0.9	<0.5	<0.5	<0.5	<0.5	<0.5
BH4	2.7	<0.5	<0.5	<0.5	<0.5	<0.5
BH4	3.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH4	4.2	<0.5	<0.5	<0.5	<0.5	<0.5
BH4	5.2	<0.5	<0.5	<0.5	<0.5	<0.5
BH5	0.3	<0.5	<0.5	<0.5	<0.5	<0.5
BH5	2.4	<0.5	<0.5	<0.5	<0.5	<0.5

Table Seventeen: TPH Analysis Results – Soil

Sampling Location	TPH Fraction	Total Petroleum Hydrocarbons – aliphatic/aromatic speciation Concentration in Soil (mg/kg)				
		$>C_8$-C_{10}	$>C_{10}$-C_{12}	$>C_{12}$-C_{16}	$>C_{16}$-C_{21}	$>C_{21}$-C_{35}
BH3 4.3m	Aliphatic	**8.7**	**12.4**	**2.24**	<0.5	<0.5
	Aromatic	**2.53**	**4.47**	**1.76**	<0.5	<0.5
	Total	**11.23**	**16.87**	**4**	<1	<1

Table Eighteen: TPH Analysis (ali/aro) Results – Soil

Sampling Location	Depth (m)	Concentration (mg/kg)						
		Total Petroleum Hydrocarbons			Benzene	Toluene	Ethyl-benzene	Total Xylenes
		C_6-C_8	$>C_8$-C_{10}	$>C_{10}$-C_{12}				
BH1	0.9	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.2
BH3	0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.2
BH3	4.3	**1.6**	**2.07**	<0.5	<0.1	<0.1	<0.1	<0.2
BH4	3.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.2
BH5	0.3	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.2

Table Nineteen: BTEX and Volatile TPH Bands Analysis Results – Soil

4.3 Groundwater Analysis

Sampling Location	Concentration (µg/l)						
	Total Petroleum Hydrocarbons			Benzene	Toluene	Ethyl-benzene	Total Xylenes
	C_6-C_8	$>C_8$-C_{10}	$>C_{10}$-C_{12}				
BH1	**144**	**206**	**171**	<10	<10	<10	**17.8**
BH2	<50	<50	<50	<10	<10	<10	<10
BH3	<50	<50	<50	<10	<10	<10	<10
BH4	<50	<50	<50	<10	<10	<10	<10
BH5	<50	<50	<50	<10	<10	<10	<10

Table Twenty: BTEX Analysis Results – Groundwater

Sampling Location	Total Petroleum Hydrocarbons - Concentration (µg/l)				
	$>C_8$-C_{10}	$>C_{10}$-C_{12}	$>C_{12}$-C_{16}	$>C_{16}$-C_{21}	$>C_{21}$-C_{35}
BH1	**210**	**118**	<10	<10	<10
BH2	<10	<10	<10	<10	<10
BH3	<10	<10	<10	<10	<10
BH4	<10	<10	<10	<10	<10
BH5	<10	<10	<10	<10	<10

Table Twenty-one: TPH Analysis Results – Groundwater

5 Conceptual Site Model

5.1 Summary of Investigation Findings

Item	Details	Data
Revisions to Conceptual Site Model (from data obtained during our site investigation)	Encountered contaminants	We have encountered low concentrations of total petroleum hydrocarbons, generally consistent with waste oils or tars, in shallow Made Ground in BH2. Elevated concentrations of PAHs were also encountered in shallow Made Ground samples taken from BH1, BH2 and BH3. We consider it likely that this represents tarmac fragments that were noted in the Made Ground material. We have also identified detectable concentrations of (weathered) petrol range hydrocarbons in underlying sands at around 4.3m depths in BH3. Low concentrations of (weathered) petrol range hydrocarbons have been identified in the groundwater samples obtained from BH1. No detectable concentrations of hydrocarbons were identified in any of the other samples.
	Geology and hydrogeology	The thickness of Made Ground encountered underlying the forecourt areas of the site suggest that site levels have been made up in the past. The underlying Glaciofluvial Deposits were found to comprise variable layers of sand and clay, with groundwater encountered within the sandy horizons at variable depths across the site. The variable nature of the underlying geology is likely to inhibit migration of potential contaminants.
	Hydrology and surface water features	As anticipated
	Site users and neighbours	As anticipated

Table Twenty-two: Summary of Investigation Findings - Conceptual Site Model

5.2 Conceptual Site Model

Contaminant	Pathway	Receptor	Viable Pollutant Linkage
Low concentrations of hydrocarbon compounds identified in underlying soils – generally most likely associated with tarmac present in Made Ground, although petrol range hydrocarbons were encountered in BH3. Low concentrations of petrol range hydrocarbons identified in single groundwater sample.	Ingestion and dermal contact	Site workers	No – site covered in hard standing preventing potential exposure to underlying soils
	Permeation of contaminants, particularly hydrocarbons, into drinking water supply service pipes		Unlikely – Low concentrations of hydrocarbons identified and shallow contaminant identified comprises heavy end hydrocarbons only
	Volatilisation of hydrocarbons to indoor/outdoor air (either direct from soils or dissolved in groundwater)		
	Off-site migration of hydrocarbons: volatilisation to indoor/outdoor air (vapours from on-site soils or via lateral migration of dissolved compounds)	Neighbouring residents adjacent to the site	Unlikely – Low concentrations of hydrocarbons identified in single groundwater sample only.
	Downward migration of contaminants to groundwater	Glaciofluvial Sheet Deposits (Secondary A aquifer) directly underlying the site	Yes – Contaminants from the site will directly impact the underlying aquifer.
	Off-site migration of contaminants dissolved in groundwater leading to direct impact of environmental receptors	Chorlton Brook - ~750m to the south / southeast	Unlikely - Low concentrations of hydrocarbons identified in single groundwater sample only. Would not impact stream at 750m distance.
		No surface water or groundwater abstraction identified	No
		No environmentally sensitive site identified	No

Table Twenty-three: Possible Pollutant Linkages

Our qualitative assessment has confirmed that viable pollutant linkages exist at the site.

We have therefore carried out a Generic Quantitative Risk Assessment to confirm whether the concentrations of potential contaminants identified during our investigation pose an unacceptable risk to the long-term health (chronic) of future site users and/or environmental receptors.

6 Generic Quantitative Risk Assessment

6.1 Methodology – Filling Station Sites

General Acceptance Criteria (GAC) for contaminants in soil have been produced by the Environment Agency, in the form of Soil Guideline Values (SGV), and by LQM/CIEH for three standard land uses:

- Residential, based on a 2-storey terraced house;
- Commercial based on a 3-storey pre-1970s office;
- Allotments.

Before applying GACs to a site, care must be taken to ensure that the land-use scenario is appropriate for the site. A typical petrol filling station has a single storey office/shop building; the rest of the site being covered in hard-standing with little or no landscaping. This does not fit with the standard commercial scenario which considers a 3-storey office building with an external landscaped area.

As the standard commercial land-use scenario is not suitable for a typical petrol filling station, we have amended the commercial land-use scenario and used the CLEA software to generate GACs for a petrol filling station based on the following assumptions:

- We have used CLEA values for the building, based on a single-storey office;
- We have used CLEA values for a female worker (as used in the CLEA commercial scenario) to model the receptor;
- We have modelled the pathways of indoor and outdoor air inhalation. We have not modeled direct contact with impacted soil (dermal contact, dust inhalation etc) as there is typically no, or very limited, landscaping on petrol filling station sites which blocks any pathway for direct contact with soil particles.

No GACs have been published for groundwater with respect to the risk to human health. In order to allow us to screen for impacts to human health from impacted groundwater we have generated GACs using the BP RISC software. The CLEA software is not suitable for generating GACs for groundwater, however CLEA parameters have been used where possible within the RISC software.

Full details of the derivation of our GACs are available on request.

6.2 Assumptions – Filling Station Sites

In carrying out our risk assessment we have adhered to the following assumptions and methodologies:

- Our preliminary risk assessment has identified at-risk environmental and human receptors;
- Organic contaminants of concern are limited to benzene, toluene, ethylbenzene, xylenes, and total petroleum hydrocarbons by carbon group.
- The results of the chemical analyses carried out on soil and groundwater samples have been used to determine concentrations of these contaminants at the site.
- The GAC for all hydrocarbon compounds (including BTEX), with the exception of benzene, exceeds theoretical soil saturation limits.
- Generic Assessment Criteria for total petroleum hydrocarbons bands is based upon lowest value from published/calculated aliphatic and aromatic concentrations.
- The GAC for our assessment of xylene in soil is an average of those calculated for o-xylene, m-xylene and p-xylene.
- Within our human health assessment we have discounted TPH groups in excess of C16 and PAHs as being potential contaminants of concern at this site, as the primary exposure pathways comprise either dermal contact or ingestion and neither of these is considered viable at a filling station site covered in hard standing.

- For our assessment of groundwater quality, with respect to human health, we have limited our assessment to benzene as the calculated criteria for other hydrocarbon compounds exceeds the relevant solubility limits. The risk assessment trigger level for these compounds can be considered free-phase product (i.e. neat fuel).

Methodologies & input parameters for the derivation of our in-house GACs are available upon request.

6.3 Human Health Assessment

Contaminant	Maximum concentration. recorded in soil (mg/kg)	Generic Acceptance Criteria for Commercial land Use (mg/kg)	Source of Generic Acceptance Criteria.	Does the maximum concentration exceed the assessment criteria?
TPH C_{8-10} (aliphatic)	10.8	348	In-house derived GACs specific to filling station use	No
TPH C_{10-12} (aromatic)	16.2	1,720		No
TPH C_{12-16} (aromatic)	1.76	14,400		No
Benzene	<0.1	5.02		No
Toluene	<0.1	12,000		No
Ethylbenzene	<0.1	3,320		No
Xylene	<0.2	1,203		No

Table Twenty-four: Generic Risk Assessment - Human Health - Soil

Contaminant	Maximum concentration identified in water (ug/l)	Generic Acceptance Criteria for Commercial Land Use (ug/l)	Source of Generic Acceptance Criteria.	Does the maximum concentration exceed the assessment criteria?
Benzene	<10	72,000	In-house derived GACs specific to filling station use	No
Total petroleum hydrocarbons	521	Free phase product		No

Table Twenty-five: Generic Risk Assessment - Human Health – Groundwater

6.4 Environmental Receptors Assessment

Contaminant	Maximum concentration identified (ug/l)	Generic Acceptance Criteria for Underlying Aquifer (ug/l)	Source of Generic Acceptance Criteria.	Does the max concentration exceed the assessment criteria?
Total Petroleum Hydrocarbons	521	50	Surface Water Regulations[1]	Yes
Benzene	<10	30	Environmental Quality Standards[2]	No
Toluene	<10	50		No
Ethylbenzene	<10	20		No
Xylene	17.8	30		No

Notes: 1 The Surface Water (Abstraction for Drinking Water) (Classification) Regulations 1996
2 EA EQS - Environmental Quality Standard (Actual or proposed)

Table Twenty-six: Generic Acceptance Criteria for Environmental Receptors

7 Conclusions and Recommendations

Item	Data
Conclusions	The results of our Generic Quantitative Risk Assessment indicate that the concentrations of total petroleum hydrocarbons identified in the groundwater sample obtained from BH1 exceed the generic assessment criteria. However, due to the low recorded concentrations recorded and isolated nature of the identified hydrocarbon impact we do not consider our investigation data to suggest a widespread or significant contamination issue at the site. Furthermore, groundwater was recorded at variable depths across the site, either perched in Made Ground or contained within sand horizons in the underlying Glaciofluvial Deposits. We therefore consider that lateral migration of hydrocarbons from the site will be limited. Due to the restricted nature of the forecourt area we were unable to construct more boreholes across the site to delineate the limited hydrocarbon impact we encountered. However, on the basis of our site investigation data, we do not consider the site will pose a risk to identified receptors and is most likely suitable for continued use as a petrol filling station. In order to provide a definitive conclusion we would need to undertake a Detailed Quantitative Risk Assessment using the site data we obtained.
Your attention is drawn to the Notice to Interested Parties included as Attachment One.	

Table Twenty-seven: Conclusions and Recommendations

ATTACHMENT ONE: NOTICE TO INTERESTED PARTIES

NOTICE TO INTERESTED PARTIES

The purpose of our site assessment is to provide general information on the environmental and/or geotechnical conditions existing at the site and related to soil or groundwater. The Client or others specified the scope of the investigation and the validity of our conclusions may be limited by the scope of work specified. We are not responsible for any such limitations or omissions.

Where stated in this report, we have used information supplied by third parties. While we have evaluated as far as possible the validity of this information, we cannot guarantee its accuracy in any way whatsoever.

No investigation technique is capable of completely identifying all of the contaminants that might be present in the soil or groundwater under a site. Where specified in our report, we have examined the ground by constructing a number of boreholes and/or trial pits. We recovered samples of soil and/or groundwater from available exposures.

The depth and spacing of our sampling locations were selected to ensure with a reasonable probability that they would be representative of the actual conditions across the whole site. However, safety considerations relating to existing site infrastructure may have restricted our ability to investigate all potential contaminant sources. Specifically, we were unable to investigate the soil and groundwater condition immediately adjacent to the underground petroleum installation and other buried services. These limitations must be borne in mind when considering the conclusions reached in this report.

Soil is intrinsically variable and the spread of contaminants within the soil is therefore subject to a degree of non-uniformity. For these reasons no sampling technique can completely eliminate the possibility of obtaining samples that are not representative of the actual conditions. Our sampling techniques are intended to reduce the possibility to an acceptable level.

Groundwater levels and soil vapour levels that we report were accurate at the time of the investigation. Groundwater and soil vapour levels are variable. Long term monitoring may be required to ensure that the levels recorded during our investigation are representative of long term and possible 'worst case' conditions.

This investigation was carried out to assess the significance of contamination resulting from use of the site as identified in this report. Unless we have indicated otherwise, no assessment of the potential impact of any other previous uses has been made. No investigation was carried out to determine whether or not any deleterious or hazardous materials have been used in the construction of the buildings present on the site.

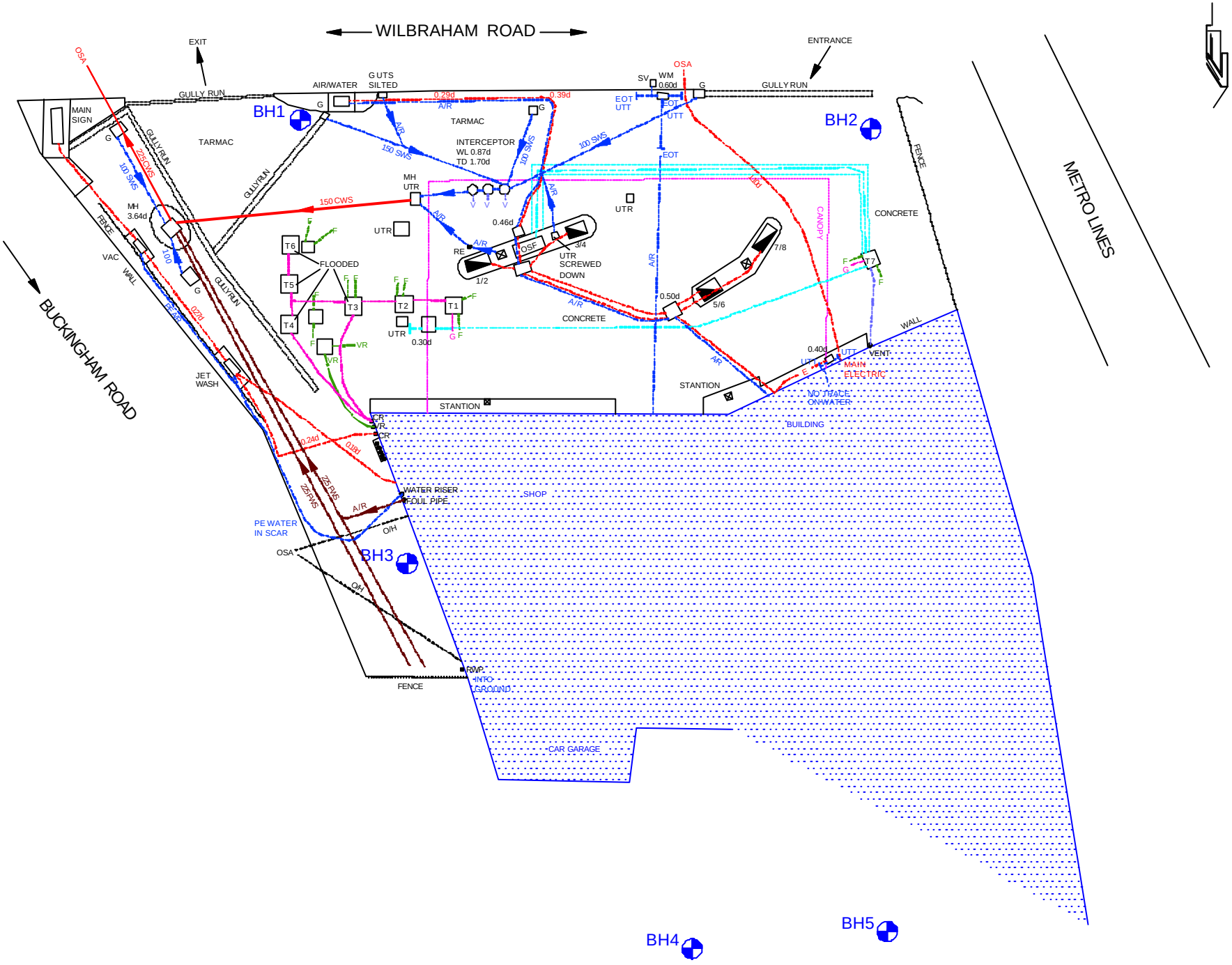
We do not accept any responsibility for the cost of remedial works or other costs incurred in whatever way whatsoever as a result of any omissions, errors or other shortcomings in this report unless we have been given reasonable opportunity to verify ourselves that such faults exist and we have been given a reasonable opportunity to carry out works to remedy such faults ourselves using the most practicable means available to us. We do not accept liability for any consequential losses incurred by you while we carry out any remedial works we deem necessary.

This report has been prepared for Rapleys LLP. Use of, and reliance on, this report by other third parties will be at such third parties own risk, and we are unable to accept any liability or responsibility to third parties.

Neither the whole nor any part of this report, or any reference to it, may be included in any published document circular or statement or published in any way without our prior written approval.

This report and its contents, together with any supporting correspondence or other documentation, remain the property of Subadra Consulting Limited until paid for in full.

ATTACHMENT TWO: SITE PLANS AND BOREHOLE LOGS



LEGEND

Foul Drainage
Surface Drainage
Combined Drainage
Electricity
Electricity High Voltage
Gas
Water
Cable Television
Close Circuit Television
Communication
British Telecom
Compressed Air
Offset Fill-Line
Oil Pipe
Pipe
Ventilation
Fuel Line
Vapour Recovery
Gauge Line
Telemetry
Fibre Optics
Unknown
Historical by Layer
End Of Trace

LEGEND

AR Assumed Route
BO Bollard
BO/ILL ILLuminated Bollard
BH Borehole
BTB British Telecom Box
BTIC British Telecom Cover
C/BOX Control Box
C/B FENCE Closeboard Fence
CR Cable Riser
CTV Cable TV
CP Catch Pit
Co Concrete
CON Conifer
CL Cover Level
D Depth Of MH / IC
D/CHAN Drainage Channel
DP Down Pipe
ER Earth Rod
EIC Electricity IC
EP Electricity Pole
EOT End of Trace
EBED Flower Bed
FH Fire Hydrant
FS Fire Switch
G V Gas Valve
G Gully
G/RUN Gully Run
HT Height
H/CHESTNUT Horse Chestnut
H/THORN Hawthorn
IC Inspection Cover
IL Invert Level
LP Lamp Post
M H Manhole Cover
MH Meter
MW Monitoring Well
OH Overhead Service
OSA Off Survey Area
OSBM Ordnance Survey Bench Mar
PR Pipe Riser
P Pad
P&R FENCE Post & Rail Fence
RET WALL Retaining Wall
RWP Rain Water Pipe
RS Road Sign
RE Rodding Eye
S/A Soakaway
S/BIRCH Silver Birch
S&P Sealing
SEC FENCE Security Fence
SL Spot Light
SP Soil Pipe
ST Stop Tap
SV Sluice Valve
SVP Soil Vent Pipe
SVS Soil Vapour Sample
TBM Temporary Bench Mark
TFR Taken From Records
TL Traffic Light
TP Telegraph Pole
UTL Unable to Locate
UTB Unable to Raise
UTS Unable to Survey
UTT Unable to Trace
VR Vapour Recovery
VP Vent Pipe
WM Water Meter
WFC Water Filled Chamber
WP Waste Pipe
U/S Underside
Ø Pipe Diameter

UTILITY NOTES

WATER TO MACHINES PE IN SCAR & A/R'S ADDED

ELECTRICS ALL FOUND

BT OVERHEAD

UTR COVERS DUE TO DAMAGE

TANK 7 PE

TANKS FLOODED & SOME CAGED OFF INSIDE

Interceptor Details

Type	Condition	Size	Material	Depth
3 STAGE	POOR			0.87/1.

Tank Details

Tank No.	Fuel Type	Capacity	Feed To Pumps
1	D	13670	
2	ULT/D	13670	
3	D	13670	
4	V-POWER	9062	
5	UL	9062	
6	UL	9062	
7	UL	29400	

Canopy Height 4.00m

Safe Working Zones

Radius from centre of tank: 4.5m Upto 33,000Ltrs.

Radius from centre of tank: 6.0m Above 33,000Ltrs.

REV	DATE	DESCRIPTION

SURVEYS

CLIENT:
SUBADRA

SITE LOCATION:
WILBRAHAM ROAD
CHORLTON-CUM-HARDY
MANCHESTER

DRAWING TITLE:
FULL UTILITY

SURVEYED BY:	DRAWN BY:	APPROVED BY:
AF	AW	PC

DRAWING NO:	SURVEY DATE:
0513-SUB-6701	03-06-13

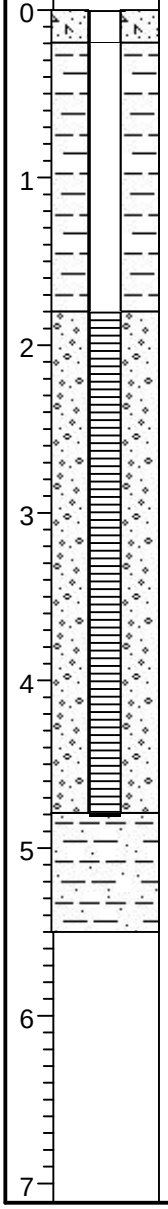
SCALE:	SHEET NO:	REV:
1:100 @A1	1 OF 1	

DISCLAIMER: The location of under ground services shown on this drawing has been determined using electro-magnetic (and/or ground probing radar, where requested) techniques and visual observations. the limitations of this drawing should be realised and no guarantee can be given that all services have been identified. This drawing may not include the location of all public services that may cross the site and therefore the relevant service drawings should be obtained from the appropriate utility company and used in conjunction with this drawing. Additional services, structures or other below ground obstructions not indicated on this drawing may be present on site. reference should be made to historical plans and as built drawings. Excavations in the vicinity of services should be carried out with due diligence ref: HSG47 document "avoiding dangers from underground services". Location accuracy is determined by refering to manufacturers guidelines for the systems deployed. Reference should be made to the latest version of SVS Ltd site procedures document for utility location surveys.

Borehole No. One

SUBADRA
Consultants in the Earth Sciences
Unit 13, Triangle Business Park, Stoke Mandeville
Tel. 01296 739400 Fax. 01296 739401.

Project Name	PFS, Chorlton-cum-Hardy	**Date**	3rd June 2013
Project Code	IN13006	**Ground Level**	Approximately 30m AOD
Coordinates	381980 394030 (Site Centre)	**Equipment**	Geoprobe 5400 (Direct Push)



Sample	Chemical Analysis Scheduled	SPT ('N') or Su (kPa)	Description
			0.0 to 0.1m TARMAC
S1@0.4m	Metals/PAH	Su = 50	**0.0 to 1.8m MADE GROUND** FIRM brown black red sandy gravelly CLAY. Gravel includes glass, red brick, concrete and flint. Sand band present at 0.7m.
S2@0.9m	BTEX		
S3@1.4m			
S4@1.9m	TPH		**1.8 to 4.0m GLACIOFLUVIAL SHEET DEPOSITS** MEDIUM DENSE brown orange SAND. Occasional fine to medium rounded gravel. Becoming beige grey after 2.9m.
S5@2.4-3.1m			
S6@3.4m			
S7@4.0m		Su = 50	**4.0 to 4.4m GLACIOFLUVIAL SHEET DEPOSITS** FIRM brown grey CLAY. Medium rounded sandstone gravels at 4.0m.
S8@4.9m			**4.4 to 5.4m GLACIOFLUVIAL SHEET DEPOSITS** MEDIUM DENSE brown gravelly SAND. Gravel is fine to medium and subrounded.
S9@5.5m	TPH		**5.4 to 5.5m GLACIOFLUVIAL SHEET DEPOSITS** FIRM brown grey CLAY. Borehole terminated at 5.5m.

Borehole terminated at: 5.5m

Hydrocarbon odour/staining: None noted

Groundwater monitoring well installed to: 4.8m

Groundwater encountered at: Damp at 2.5m, wet at 4.4m

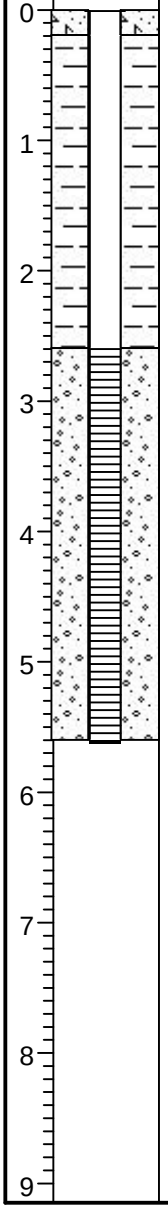
Dwn: KM

Ckd: JS

Borehole No. Two

SUBADRA
Consultants in the Earth Sciences
Unit 13, Triangle Business Park, Stoke Mandeville
Tel. 01296 739400 Fax. 01296 739401.

Project Name	PFS, Chorlton-cum-Hardy	**Date**	3rd June 2013
Project Code	IN13006	**Ground Level**	Approximately 30m AOD
Coordinates	381980 394030 (Site Centre)	**Equipment**	Geoprobe 5400 (Direct Push)



Sample	Chemical Analysis Scheduled	SPT ('N') or Su (kPa)	Description
			0.0 to 0.2m TARMAC
S1@0.5m	TPH		**0.2 to 2.5m MADE GROUND** MEDIUM DENSE red brown SAND and GRAVEL. Gravel is fine to medium subangular red brick fragments. Occasional tarmac fragments present.
S2@1.0m	Metals/PAH		
S3@1.8m			
S4@2.4m	TPH		
			2.5 to 3.1m MADE GROUND FIRM dark brown black CLAY. Occasional tarmac fragments present.
S5@3.4m			**3.1 to 4.3m MADE GROUND** MEDIUM DENSE brown beige SAND. Red brick fragments at 3.8m. Becoming grey beige after 3.9m.
S6@4.0m	SO4/TOC		
S7@4.7m			**4.3 to 4.7m GLACIOFLUVIAL SHEET DEPOSITS** MEDIUM DENSE brown orange slightly gravelly SAND. Gravel is fine to medium and subrounded.
S8@5.1-5.6m			**4.7 to 4.8m GLACIOFLUVIAL SHEET DEPOSITS** FIRM dark brown CLAY.
			4.8 to 5.0m GLACIOFLUVIAL SHEET DEPOSITS MEDIUM DENSE brown orange slightly gravelly SAND. Gravel is fine to medium and subrounded.
			5.0 to 5.6m GLACIOFLUVIAL SHEET DEPOSITS FIRM dark brown CLAY. Borehole terminated at 5.6m.

Borehole terminated at: 5.6m

Hydrocarbon odour/staining: None noted

Groundwater monitoring well installed to: 5.6m

Groundwater encountered at: Damp at 4.3m and 4.8m.

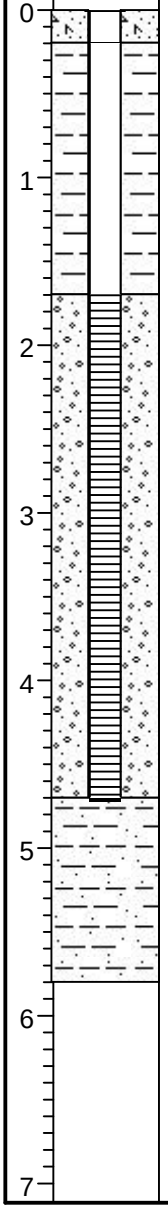
Dwn: KM

Ckd: JS

Borehole No. Three

SUBADRA
Consultants in the Earth Sciences
Unit 13, Triangle Business Park, Stoke Mandeville
Tel. 01296 739400 Fax. 01296 739401.

Project Name	PFS, Chorlton-cum-Hardy	**Date**	4th June 2013
Project Code	IN13006	**Ground Level**	Approximately 30m AOD
Coordinates	381980 394030 (Site Centre)	**Equipment**	Geoprobe 5400 (Direct Push)



Sample	Chemical Analysis Scheduled	SPT ('N') or Su (kPa)	Description
			0.0 to 0.1m TARMAC
S1@0.5m	BTEX		**0.1 to 1.8m MADE GROUND** MEDIUM DENSE brown red black slightly gravelly SAND. Gravel is fine to medium subangular to subrounded and includes red brick and concrete fragments.
S2@1.1m	Metals/PAH		
S3@1.8-2.7m			**1.8 to 5.4m GLACIOFLUVIAL SHEET DEPOSITS** MEDIUM DENSE brown orange becoming brown beige becoming brown SAND. Occasional medium rounded gravel. Hydrocarbon odour and staining from 4.3 to 4.5m. Hydrocarbon odour from 4.5 to 4.8m. Gravel band from 4.7 to 4.8m and 5.3m.
S4@3.3m			
S5@3.9m	TPH		
S6@4.3m	BTEX/TPH (Split)		
S7@4.8m	TPH/pH		
S8@5.4m	TPH	Su = 50	**5.4 to 5.8m GLACIOFLUVIAL SHEET DEPOSITS** FIRM brown CLAY.
S9@5.8m	SO4/TOC		Borehole terminated at 5.8m.

Borehole terminated at: 5.8m

Hydrocarbon odour/staining: 4.3 to 4.8m

Groundwater monitoring well installed to: 4.7m

Groundwater encountered at: 3.6m

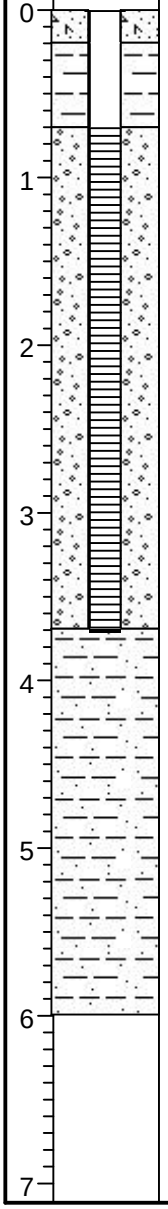
Dwn: KM

Ckd: JS

Borehole No. Four

SUBADRA
Consultants in the Earth Sciences
Unit 13, Triangle Business Park, Stoke Mandeville
Tel. 01296 739400 Fax. 01296 739401.

Project Name	PFS, Chorlton-cum-Hardy	**Date**	4th June 2013
Project Code	IN13006	**Ground Level**	Approximately 30m AOD
Coordinates	381980 394030 (Site Centre)	**Equipment**	Geoprobe 5400 (Direct Push)



Sample	Chemical Analysis Scheduled	SPT ('N') or Su (kPa)	Description
			0.0 to 0.1m TARMAC
S1@0.3m	Metals/PAH		**0.1 to 3.5m GLACIOFLUVIAL SHEET DEPOSITS** MEDIUM DENSE brown beige becoming orange red brown SAND. Damp gravel band at 3.2m.
S2@0.9m	TPH		
S3@1.6m			
S4@2.7m	TPH		
S5@3.5m	BTEX/TPH		**3.5 to 3.6m GLACIOFLUVIAL SHEET DEPOSITS** FIRM brown CLAY.
S6@4.2-5.0m	TPH		**3.6 to 5.1m GLACIOFLUVIAL SHEET DEPOSITS** MEDIUM DENSE brown very gravelly SAND. Gravel is fine and subangular to subrounded.
S7@5.2m	TPH	Su = 70 Su = 75 Su = 90	**5.1 to 6.0m GLACIOFLUVIAL SHEET DEPOSITS** FIRM becoming STIFF brown CLAY. Occasional gravel present. Borehole terminated at 6.0m.

Borehole terminated at: 6.0m

Hydrocarbon odour/staining: Slight odour at 3.5m

Groundwater monitoring well installed to: 3.7m

Groundwater encountered at: Damp at 3.2m, wet from 3.7m

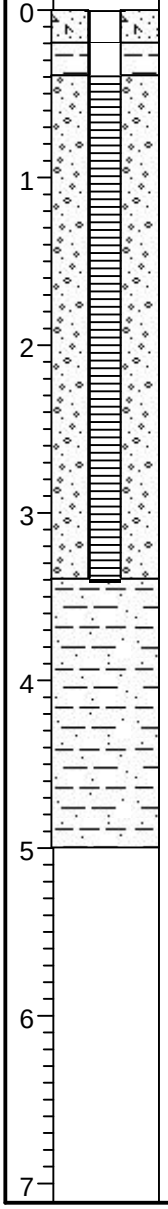
Dwn: KM

Ckd: JS

Borehole No. Five

SUBADRA
Consultants in the Earth Sciences
Unit 13, Triangle Business Park, Stoke Mandeville
Tel. 01296 739400 Fax. 01296 739401.

Project Name	PFS, Chorlton-cum-Hardy	**Date**	4th June 2013
Project Code	IN13006	**Ground Level**	Approximately 30m AOD
Coordinates	381980 394030 (Site Centre)	**Equipment**	Geoprobe 5400 (Direct Push)



Sample	Chemical Analysis Scheduled	SPT ('N') or Su (kPa)	Description
			0.0 to 0.1m GRAVEL
S1@0.3m	BTEX/TPH		**0.1 to 2.1m MADE GROUND** MEDIUM DENSE beige brown SAND. Occasional fine tarmac fragments. Becoming dark brown orange after 0.9m.
S2@0.9m	Metals/PAH		
S3@1.5m	SO4/TOC		
S4@2.4m	TPH/pH		**2.1 to 3.1m GLACIOFLUVIAL SHEET DEPOSITS** MEDIUM DENSE beige gravelly SAND. Gravel is fine and subangular to subrounded.
S5@3.4m		Su = 50	**3.1 to 3.2m GLACIOFLUVIAL SHEET DEPOSITS** FIRM brown CLAY.
			3.2 to 3.4m GLACIOFLUVIAL SHEET DEPOSITS MEDIUM DENSE beige gravelly SAND.
		Su = 50	**3.4 to 3.6m GLACIOFLUVIAL SHEET DEPOSITS** FIRM brown CLAY.
S6@4.3-5.0m		Su = 75	**3.6 to 4.2m GLACIOFLUVIAL SHEET DEPOSITS** MEDIUM DENSE beige gravelly SAND.
		Su = 70	**4.2 to 5.0m GLACIOFLUVIAL SHEET DEPOSITS** FIRM becoming brown CLAY. Borehole terminated at 5.0m.

Borehole terminated at: 5.0m

Hydrocarbon odour/staining: None noted

Groundwater monitoring well installed to: 3.4m

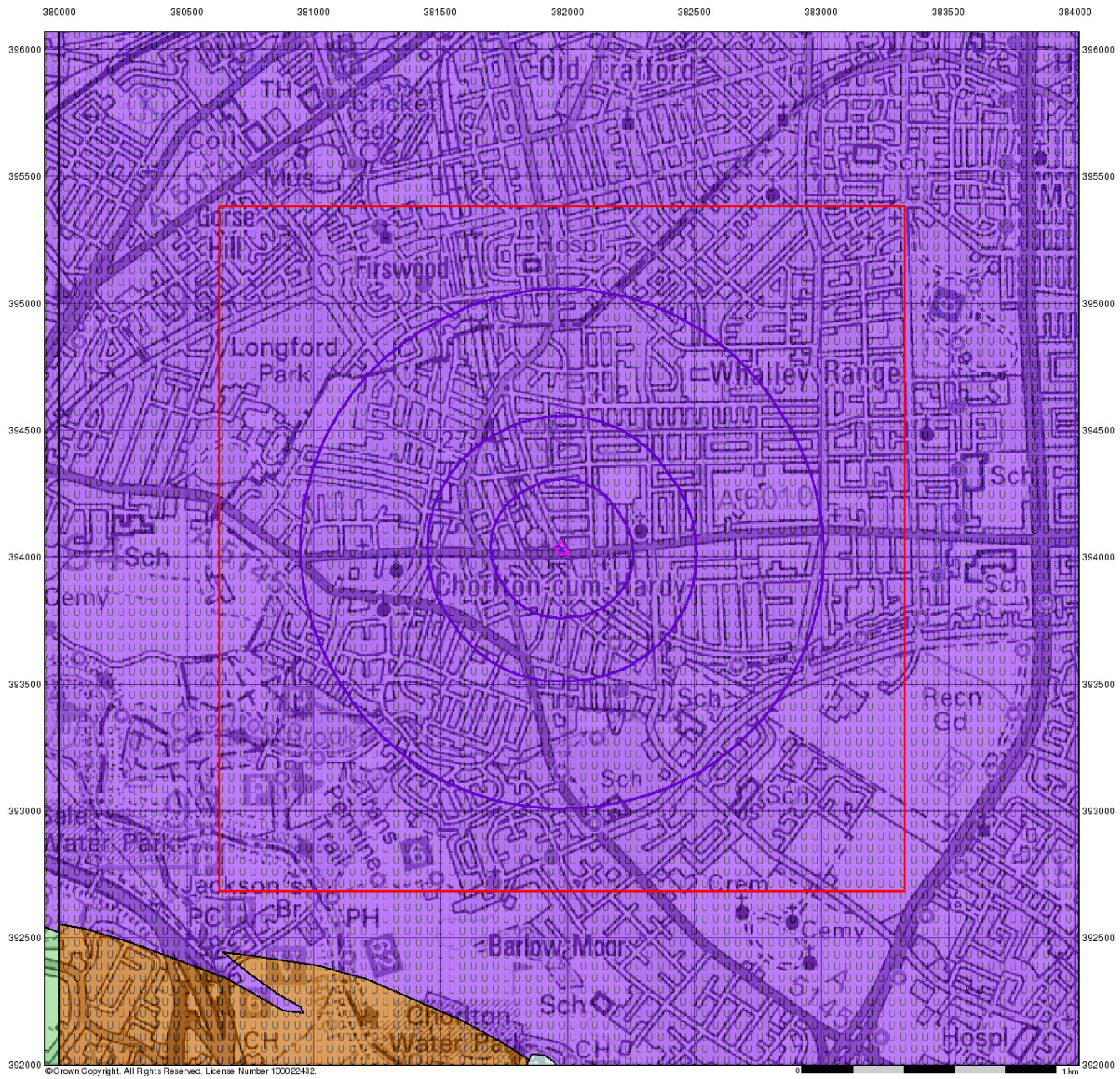
Groundwater encountered at: Damp from 2.2m

Dwn: KM

Ckd: JS

ATTACHMENT THREE: CHEMICAL ANALYSIS CERTICATES

ATTACHMENT FOUR: ENVIRONMENTAL DATA REPORT



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Envirocheck®

Groundwater Vulnerability

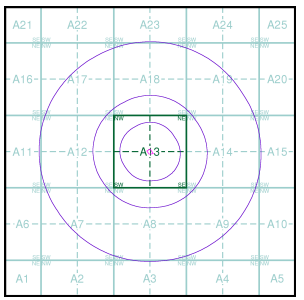
General

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

Agency and Hydrological

Geological Classes	Soil Classes
Major Aquifer (Highly Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Minor Aquifer (Variably Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Non Aquifer (Negligibly Permeable)	
Water or Sea	
Drift Deposit	

Site Sensitivity Context Map - Slice A



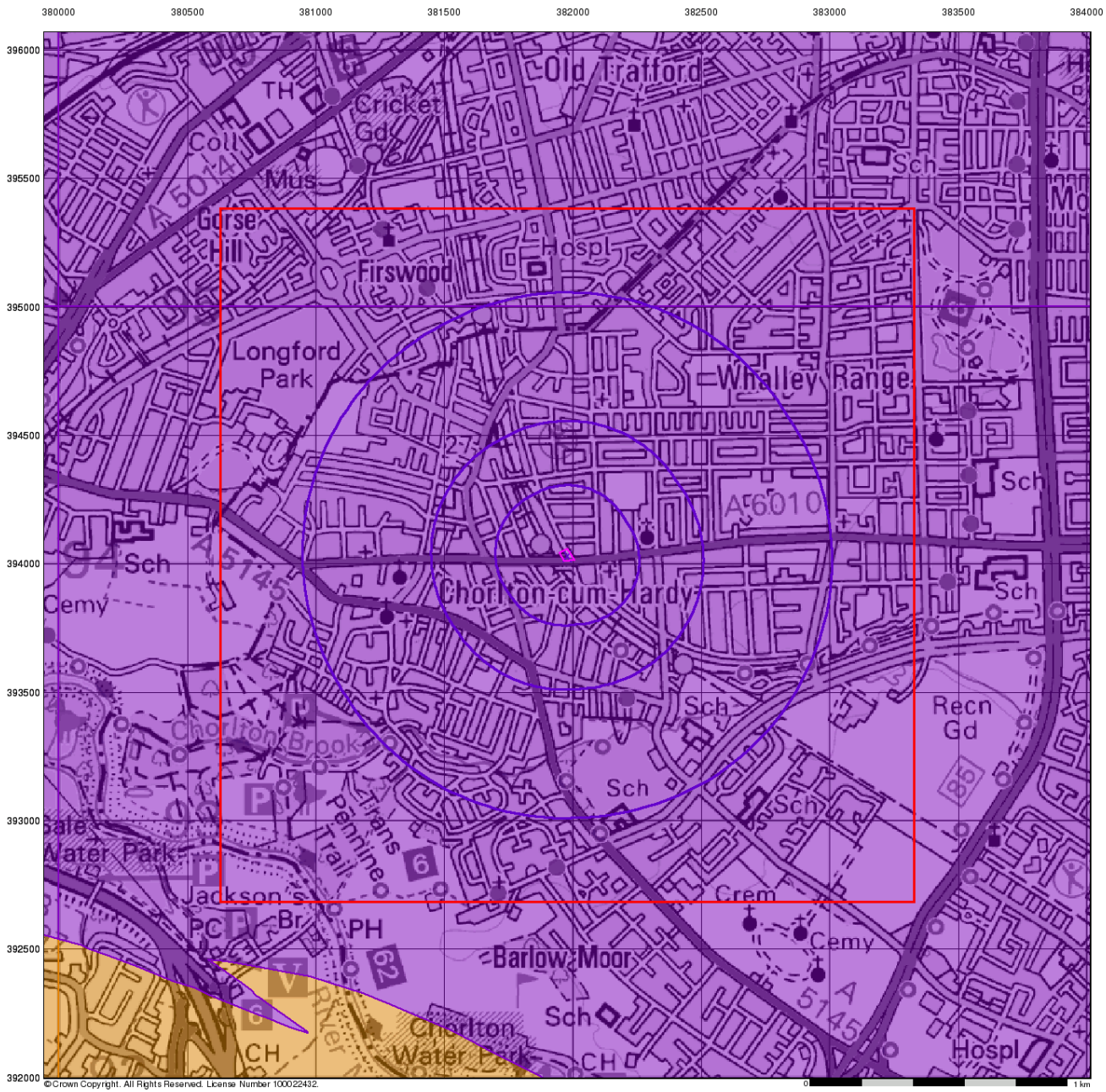
Order Details

Order Number:	47139298_1_1
Customer Ref:	In13006
National Grid Reference:	381980, 394030
Slice:	A
Site Area (Ha):	0.16
Search Buffer (m):	1000

Site Details

Petrol Filling Station, 418 Wilbraham Road, MANCHESTER, M21 0SD

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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Envirocheck®

Bedrock Aquifer Designation

General

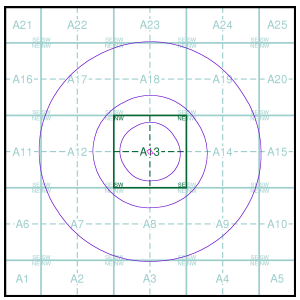
Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Site Sensitivity Context Map - Slice A



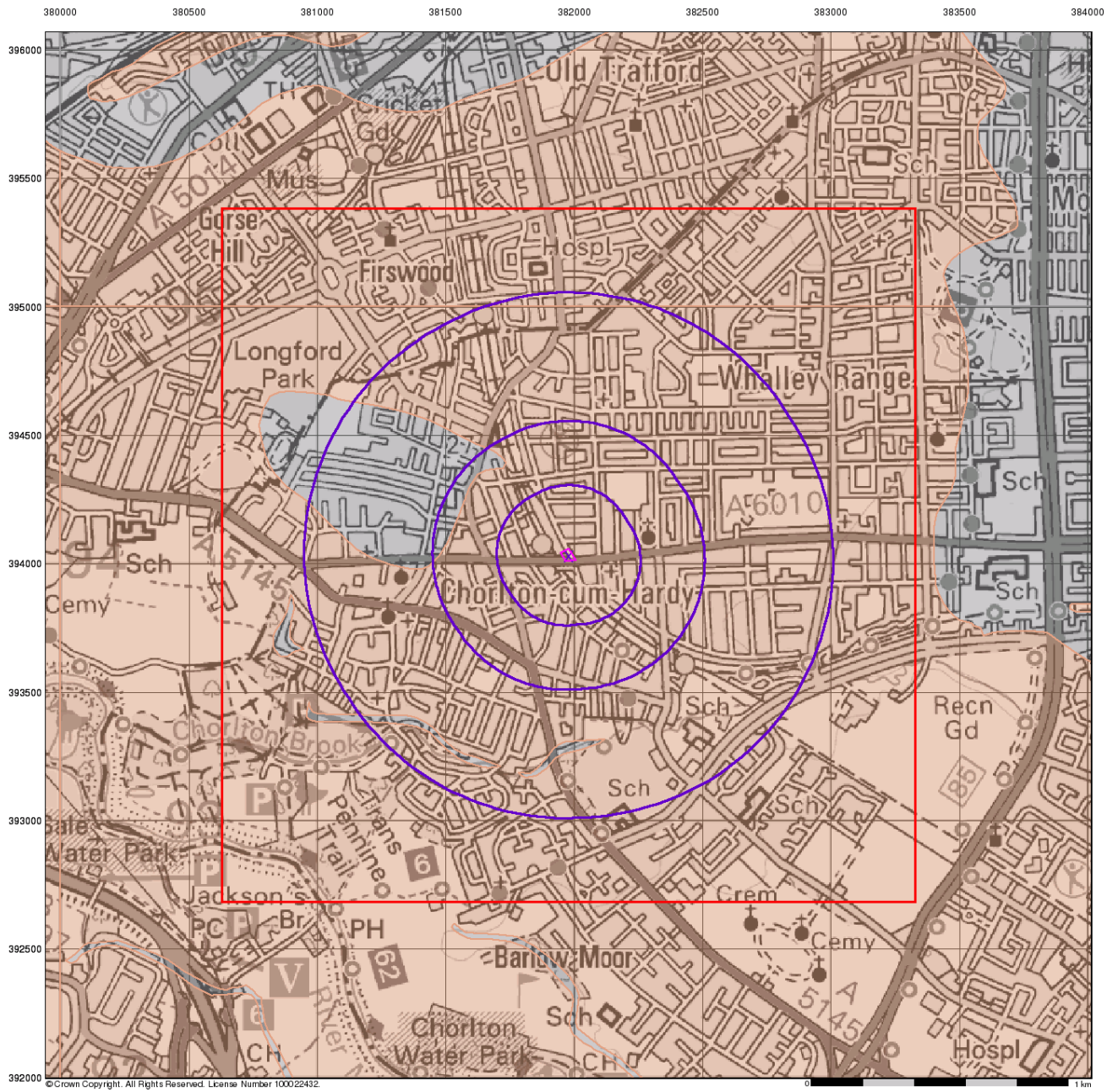
Order Details

Order Number:	47139298_1_1
Customer Ref:	In13006
National Grid Reference:	381980, 394030
Slice:	A
Site Area (Ha):	0.16
Search Buffer (m):	1000

Site Details

Petrol Filling Station, 418 Wilbraham Road, MANCHESTER, M21 0SD

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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Envirocheck®

Superficial Aquifer Designation

General

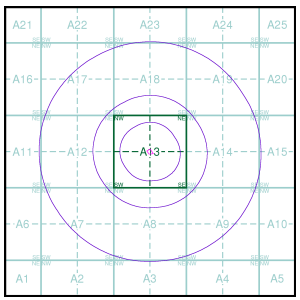
Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Site Sensitivity Context Map - Slice A



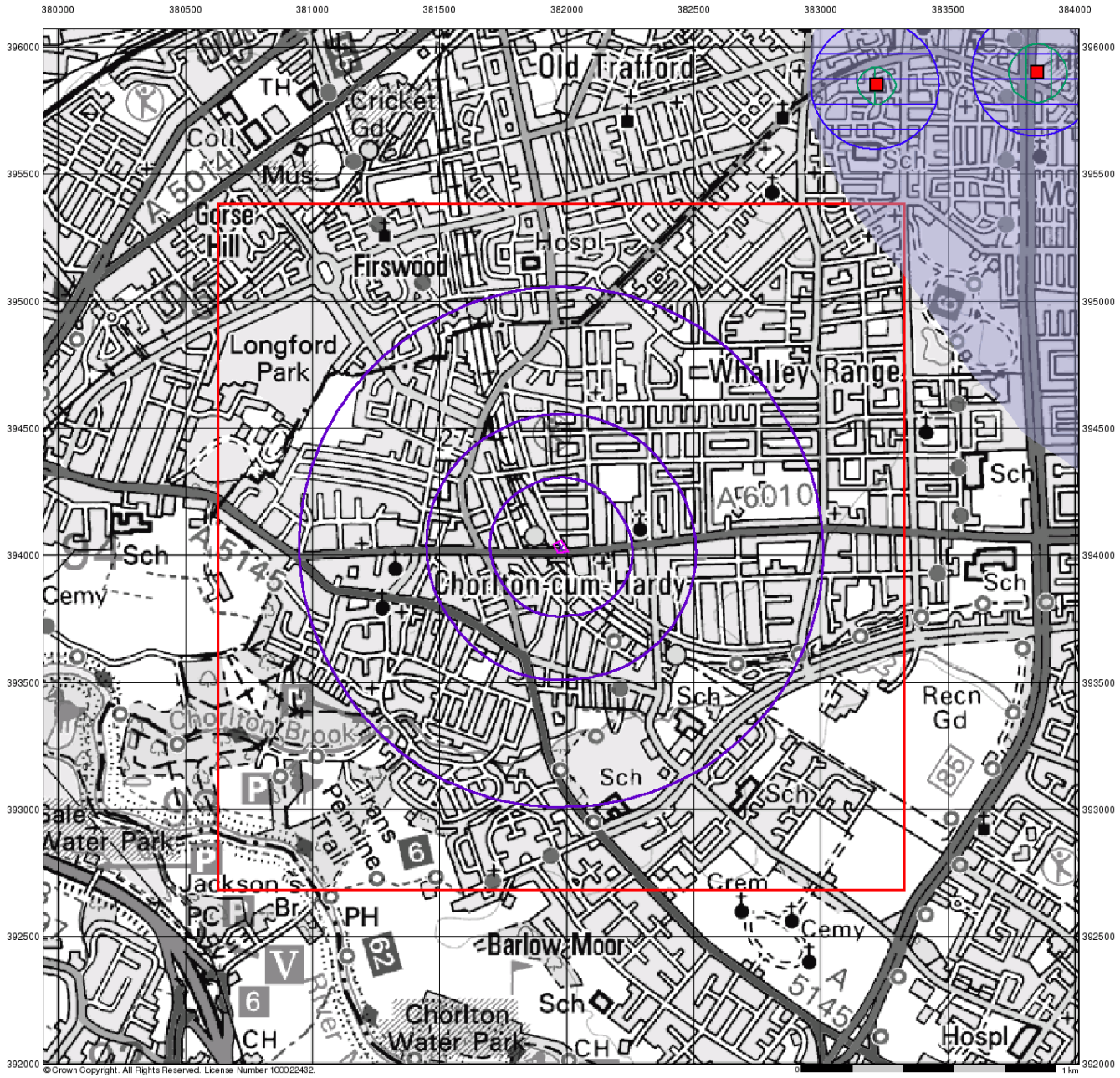
Order Details

Order Number:	47139298_1_1
Customer Ref:	In13006
National Grid Reference:	381980, 394030
Slice:	A
Site Area (Ha):	0.16
Search Buffer (m):	1000

Site Details

Petrol Filling Station, 418 Wilbraham Road, MANCHESTER, M21 0SD

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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Source Protection Zones

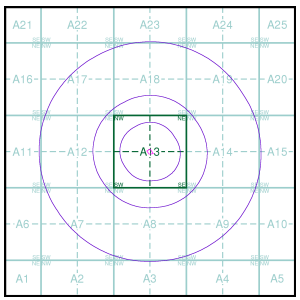
General

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

Agency and Hydrological

- Source Protection Zone I
- Source Protection Zone II
- Source Protection Zone III
- Zone of Special Interest
- Source Protection Zone Borehole

Site Sensitivity Context Map - Slice A



Order Details

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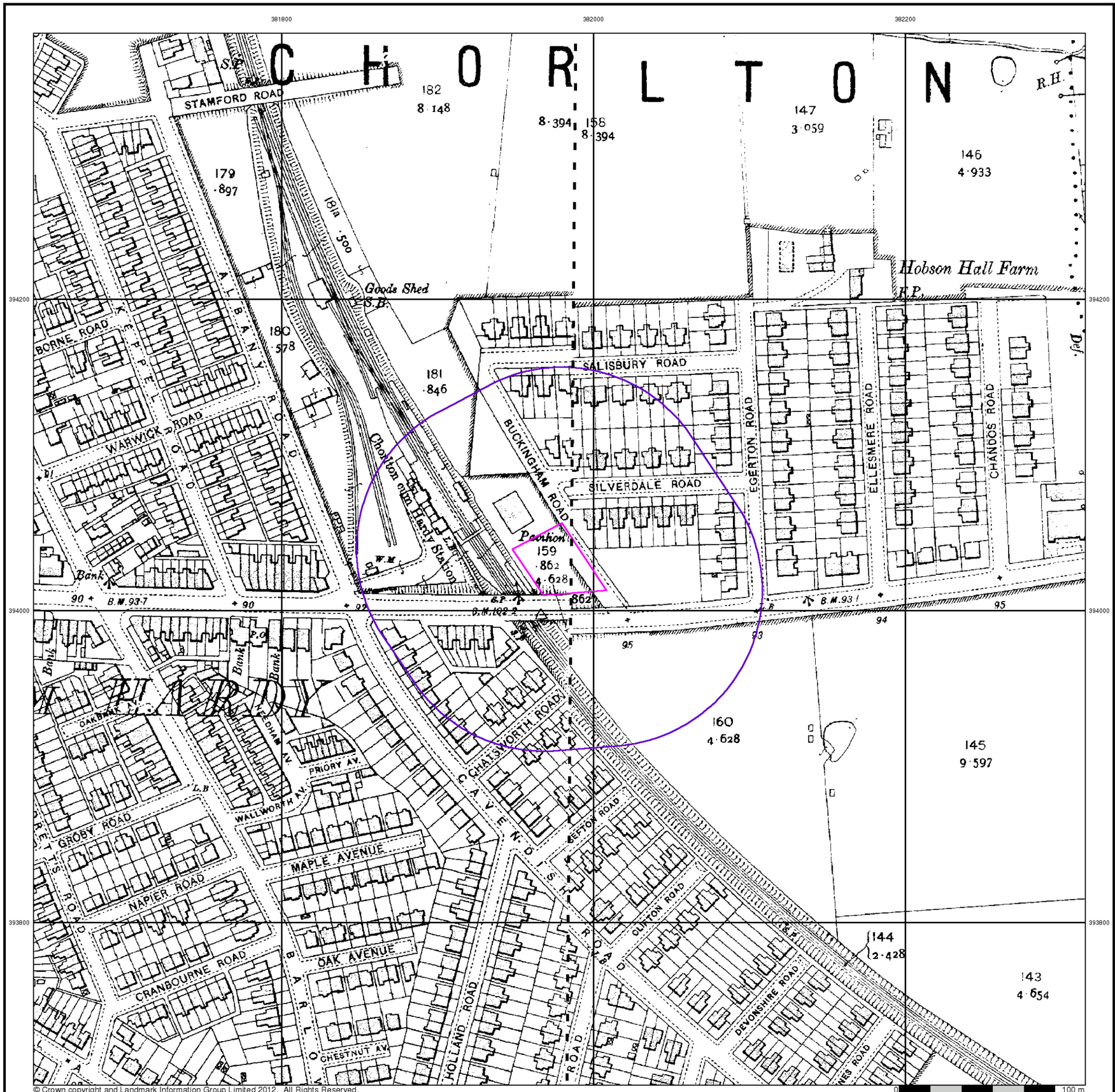

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Lancashire And Furness

Published 1907

Source map scale - 1:2,500

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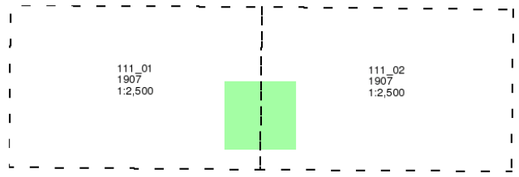
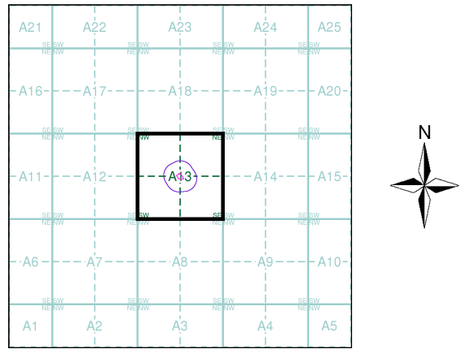
Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	47139298_1_1
Customer Ref:	In13006
National Grid Reference:	381980, 394030
Slice:	A
Site Area (Ha):	0.16
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Site Details

Petrol Filling Station, 418 Wilbraham Road, MANCHESTER, M21 0SD

Landmark Information Group
Tel: 0844 844 9952
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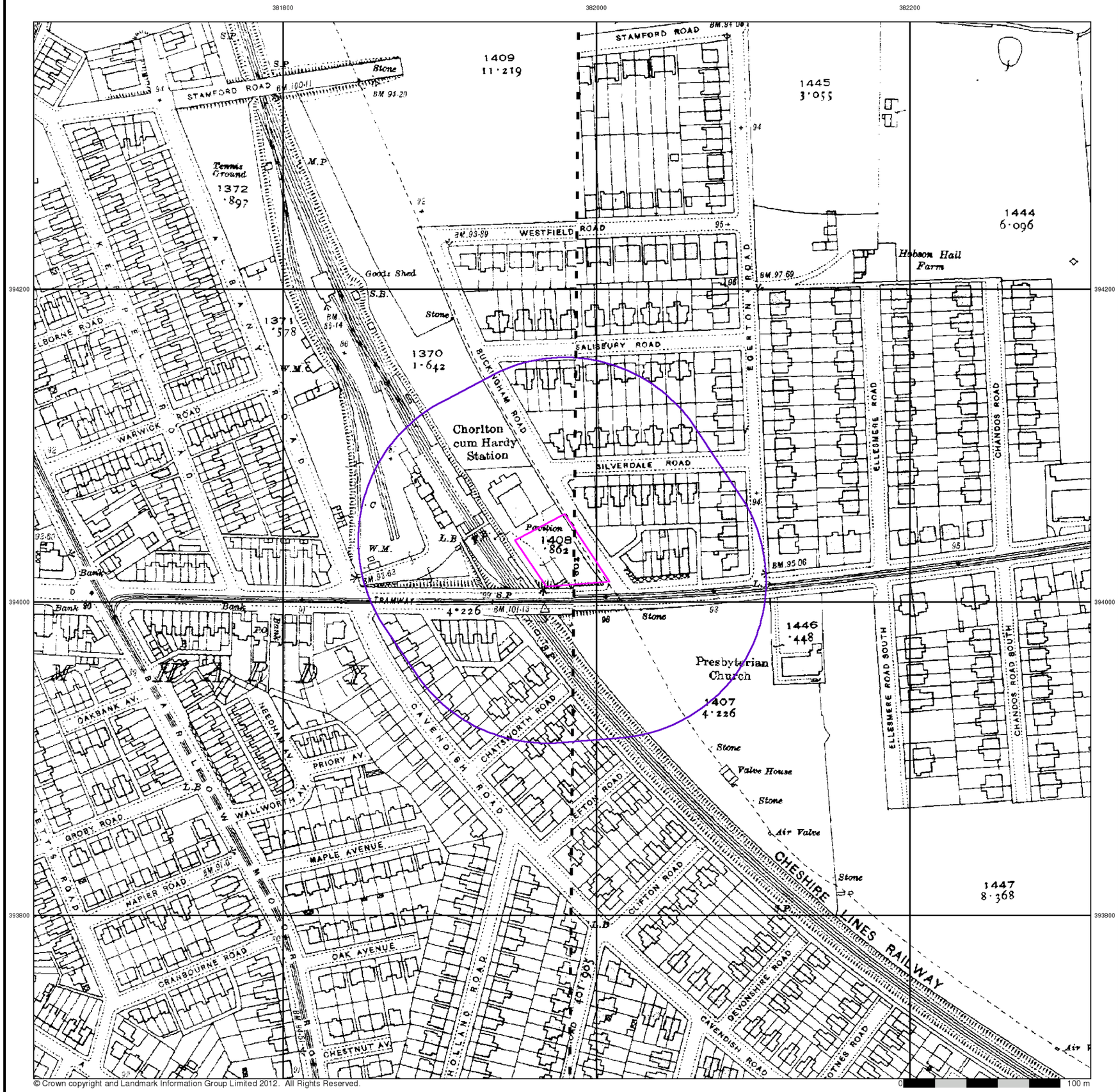

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Lancashire And Furness

Published 1922

Source map scale - 1:2,500

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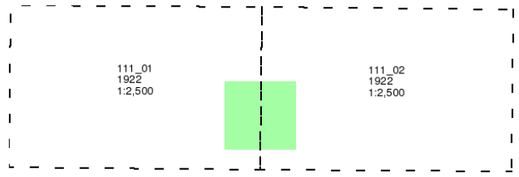
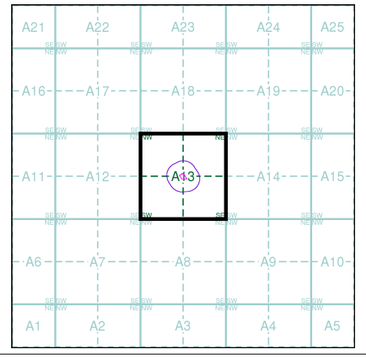
Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	47139298_1_1
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National Grid Reference:	381980, 394030
Slice:	A
Site Area (Ha):	0.16
Search Buffer (m):	100

Site Details

Petrol Filling Station, 418 Wilbraham Road, MANCHESTER, M21 0SD

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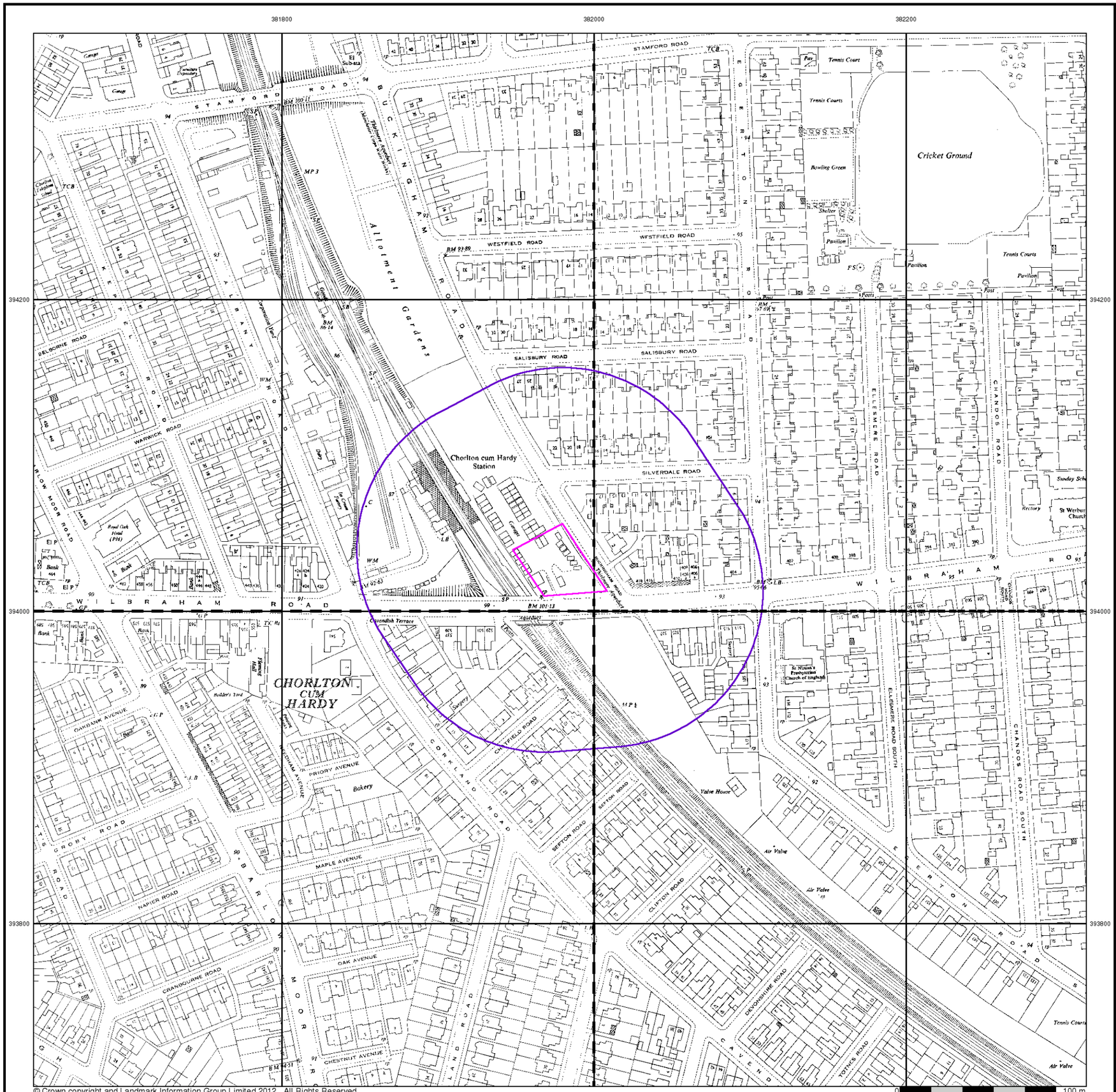

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Ordnance Survey Plan

Published 1951 - 1955

Source map scale - 1:1,250

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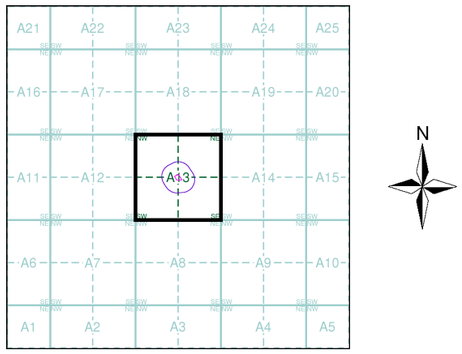
Map Name(s) and Date(s)

SJ8194SE 1951 1:1,250	SJ8294SW 1951 1:1,250
SJ8193NE 1955 1:1,250	SJ8293NW 1955 1:1,250

Historical Map - Segment A13



Order Details

Order Number:	47139298_1_1
Customer Ref:	In13006
National Grid Reference:	381980, 394030
Slice:	A
Site Area (Ha):	0.16
Search Buffer (m):	100

Site Details

Petrol Filling Station, 418 Wilbraham Road, MANCHESTER, M21 0SD

Landmark® Information Group

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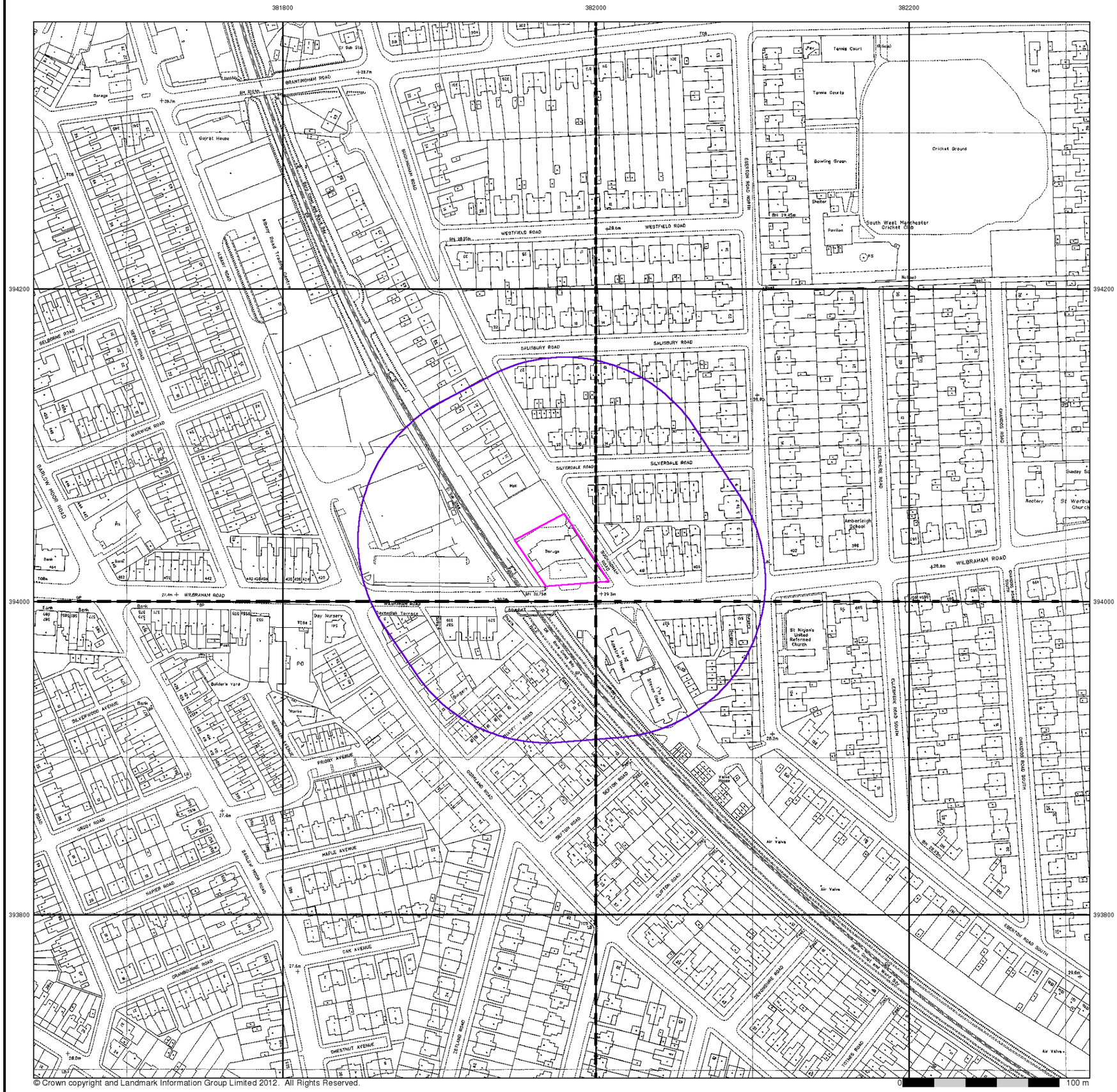
Web: www.envirocheck.co.uk



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Large-Scale National Grid Data

Published 1992

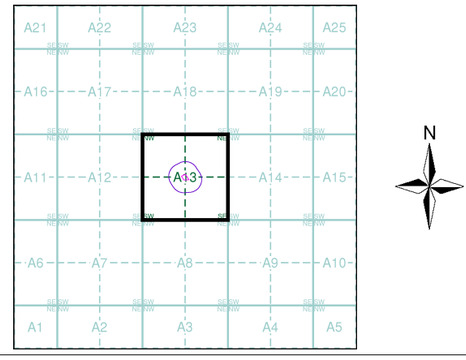
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SJ8194SE 1992 1:1,250	SJ8294SW 1992 1:1,250
SJ8193NE 1992 1:1,250	SJ8293NW 1992 1:1,250

Historical Map - Segment A13



Order Details

Order Number:	47139298_1_1
Customer Ref:	In13006
National Grid Reference:	381980, 394030
Slice:	A
Site Area (Ha):	0.16
Search Buffer (m):	100

Site Details

Petrol Filling Station, 418 Wilbraham Road, MANCHESTER, M21 0SD

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

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
47139298_1_1

Customer Reference:
In13006

National Grid Reference:
381980, 394030

Slice:
A

Site Area (Ha):
0.16

Search Buffer (m):
1000

Site Details:

Petrol Filling Station
418 Wilbraham Road
MANCHESTER
M21 0SD

Client Details:

Mr J Edley
Subadra Consulting Ltd
Unit 13 Triangle Business Park
Wendover
Bucks
HP22 5BL

Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	7
Hazardous Substances	-
Geological	8
Industrial Land Use	14
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Introduction

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

In the attached datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and the Health Protection Agency.

Report Version v47.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1				8
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 2	1		4	3
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 3			Yes	
Pollution Incidents to Controlled Waters	pg 4				7
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances					
River Quality	pg 5				1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 5				(*5)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 6	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 6	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 6	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 6		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Waste					
BGS Recorded Landfill Sites	pg 7				1
Historical Landfill Sites	pg 7				1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 8	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 8	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 12				1
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages	pg 13				Yes
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 13	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 13	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 13	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards				n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 14	1	22	34	63
Fuel Station Entries	pg 24	1		1	4

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Areas of Adopted Green Belt	pg 25				1
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves	pg 25				1
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: St Werburghs Road, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0232 Permit Version: 2 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Chorlton Brook **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	751	1	382340 393340
1	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: St Werburghs Road, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0232 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 2nd September 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Chorlton Brook **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	751	1	382340 393340
2	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Cso At Junc Of Beech And Claude Rd, Chorlton Cum Hardy, Manchester Authority: Environment Agency, North West Region Catchment Area: River Mersey (Etherow) Reference: 016993509 Permit Version: 1 Effective Date: 21st May 2004 Issued Date: 21st May 2004 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Chorlton Brook **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A8SW (S)	772	1	381920 393240
3	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Other Location: Willaston Close Ps, Off Bellwood Road, Chorlton, Cheshire Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991093 Permit Version: 1 Effective Date: 1st July 1991 Issued Date: Not Supplied Revocation Date: 1st July 1991 Discharge Type: Storm /emergency overflow Discharge Environment: Freshwater Stream/River Receiving Water: Chorlton Brook **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	897	1	381420 393300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Bellwood Road/Willaston Close, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0327 Permit Version: 2 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Not Supplied **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	899	1	381430 393290
3	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Bellwood Road/Willaston Close, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0327 Permit Version: 1 Effective Date: 1st July 1991 Issued Date: Not Supplied Revocation Date: 31st December 1994 Discharge Type: Sewage Discharges - Unspecified - Water Company Discharge Environment: Not Supplied Receiving Water: Not Supplied **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	899	1	381430 393290
4	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Withington Road, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0380 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	A14SE (E)	987	1	382950 393720
5	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Edge Ln/Wilbraham Rd, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: River Mersey (Etherow) Reference: 016993694 Permit Version: 1 Effective Date: 13th September 2005 Issued Date: 13th September 2005 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Chorlton Brook **Status: Consent Currently Under Appeal** Positional Accuracy: Located by supplier to within 10m	A11SE (W)	1000	1	380950 393980
6	**Local Authority Pollution Prevention and Controls** Name: Shell Orchard Location: 418a Wilbraham Road, Chorlton cum Hardy, MANCHESTER, Lancashire, M21 1SA Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/PFS/RM/001/06 Dated: 23rd December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorised** Positional Accuracy: Manually positioned to the address or location	A13SW (S)	0	2	381977 394020

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Local Authority Pollution Prevention and Controls** Name: Johnsons Cleaners Uk Ltd Location: 1a Chorlton Place, Chorlton, Manchester Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/DC/RM/23/06 Dated: 17th April 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Located by supplier to within 10m	A12SE (W)	352	2	381597 394026
8	**Local Authority Pollution Prevention and Controls** Name: Village Dry Cleaners Location: 38 Manchester Road, Chorlton, Manchester Authority: Manchester City Council, Environmental Health Department Permit Reference: Not Supplied Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	360	2	381626 394200
8	**Local Authority Pollution Prevention and Controls** Name: Village Dry Cleaners Location: 38 Manchester Road, Chorlton, Manchester Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/DC/RM/09/07 Dated: 1st February 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	361	2	381625 394200
9	**Local Authority Pollution Prevention and Controls** Name: Chorlton Service Station Location: 84 Manchester Road, Chorlton cum Hardy, MANCHESTER, Lancashire, M21 1PQ Authority: Manchester City Council, Environmental Health Department Permit Reference: Pfs/3/98 Dated: 3rd December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorised** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	429	2	381654 394352
10	**Local Authority Pollution Prevention and Controls** Name: Texaco Barlow Moor Service Station Location: 302 Barlow Moor Road, Chorlton, MANCHESTER, Lancashire, M21 8AY Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/PFS/RM/008/06 Dated: 8th December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorised** Positional Accuracy: Manually positioned to the address or location	A8SW (S)	698	2	381935 393313
11	**Local Authority Pollution Prevention and Controls** Name: Seymour Dry Cleaners Location: 172 Manchester Road, Whalley Range, Manchester Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/DC/RM/05/06 Dated: 1st February 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Located by supplier to within 10m	A18NW (N)	780	2	381940 394835
12	**Local Authority Pollution Prevention and Controls** Name: Shell Chorlton Motoring Centre Location: 423 Barlow Moor Road, Chorlton, MANCHESTER, Lancashire, M21 2ER Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/PFS/RM/012/06 Dated: 1st December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorised** Positional Accuracy: Automatically positioned to the address	A8SW (S)	832	2	381902 393181
	Nearest Surface Water Feature	A18SW (NW)	451	-	381779 394460

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	**Pollution Incidents to Controlled Waters** Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Chorlton Brook Incident Date: 23rd January 1995 Incident Reference: 95640103 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: High Flow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	728	1	382400 393400
14	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Rubble/Litter Or Solids Note: Chorlton Brook Incident Date: 25th February 1993 Incident Reference: 93640342 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	759	1	381700 393300
15	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: Chorlton Brook; No Pollution Found Incident Date: 15th March 1994 Incident Reference: 94640482 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	813	1	381900 393200
16	**Pollution Incidents to Controlled Waters** Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Chorlton Brook Incident Date: 5th May 1995 Incident Reference: 95641038 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	925	1	382700 393400
16	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Up Stream Hough End Centre Authority: Environment Agency, North West Region Pollutant: Oils - Diesel (Including Agricultural) Note: Chorlton Brook; Diesel Oil Incident Date: 23rd March 1997 Incident Reference: 97640486 Catchment Area: Mersey - Non-Tidal Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	928	1	382700 393395
16	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Chorlton Brook Discoloured At, Chorlton Park Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Not Supplied Incident Date: 24th July 1998 Incident Reference: SO981500 Catchment Area: Mersey - Non-Tidal Receiving Water: Freshwater Stream/River Cause of Incident: In River Works Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	932	1	382705 393395

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Chorlton Brook Incident Date: 1st December 1994 Incident Reference: 94642627 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Leaking Underground Pipe Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A7SW (SW)	975	1	381300 393300
	River Quality Name: Chorlton Bk GQA Grade: River Quality B Reach: Cringle Bk To Mersey Estimated Distance (km): 4.5 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A8SE (S)	809	1	382136 393215
	Water Abstractions Operator: Trafford Metal Finishers Manchester Ltd Licence Number: 2569007080 Permit Version: 103 Location: Borehole At Warwick Road South Authority: Environment Agency, North West Region Abstraction: Metal: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Warwick Road South, Old Trafford Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th May 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A22SW (NW)	1440	1	381290 395320
	Water Abstractions Operator: Trafford Metal Finishers Manchester Ltd Licence Number: 2569007080 Permit Version: 101 Location: Borehole At Warwick Road South Authority: Environment Agency, North West Region Abstraction: Metal: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Warwick Road South, Old Trafford Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th October 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A22SW (NW)	1440	1	381290 395320
	Water Abstractions Operator: Trafford Metal Finishers Ltd Licence Number: 2569007080 Permit Version: 100 Location: Borehole At Warwick Road South Authority: Environment Agency, North West Region Abstraction: Metal: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 432 Yearly Rate (m3): 75000 Details: Land At Warwick Road South, Old Trafford Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th February 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A22SW (NW)	1440	1	381290 395320

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Chorlton Cum Hardy Golf Co Ltd Licence Number: 2569015015 Permit Version: 101 Location: Borehole At Chorlton-Cum-Hardy 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: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Chorlton-Cum-Hardy Golf Club Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1927	1	382230 392100
	Water Abstractions Operator: The Secretary Licence Number: 2569015015 Permit Version: 100 Location: Borehole At Chorlton-Cum-Hardy 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: Groundwater Daily Rate (m3): 70 Yearly Rate (m3): 8500 Details: Land At Chorlton-Cum-Hardy Golf Club Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 4th September 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1927	1	382230 392100
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise Map Sheet: Sheet 17 Derbyshire & North Staffordshire Scale: 1:100,000	A13SE (S)	0	1	381979 394030
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Desination: Principal Aquifer	A13SE (S)	0	3	381979 394030
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SE (S)	0	3	381979 394030
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	5	1	381960 394012
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	**BGS Recorded Landfill Sites** Site Name: Ivy Green Tip Location: Chorlton-cum-hardy, MANCHESTER, Gt Manchester Authority: British Geological Survey, National Geoscience Information Service Ground Water: Information not available Surface Water: Information not available Geology: N/A Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate	A7NW (SW)	926	3	381282 393389
19	**Historical Landfill Sites** Licence Holder: Manchester City Council Location: Ivy Green Road, Stretford, Manchester Name: Ivy Green Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD16686 First Input Date: 8th January 1963 Last Input Date: 31st December 1970 Specified Waste Type: Deposited Waste included Inert, Industrial, Commercial, Household and Special Waste, and Liquid Sludge EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 4200/9699 BGS Ref: 582 Other Ref: F013	A7NW (SW)	924	1	381283 393391
	Local Authority Landfill Coverage Name: Manchester City Council - Had landfill data but passed it to the relevant environment agency		0	9	381979 394030
	Local Authority Landfill Coverage Name: Trafford Metropolitan Borough Council - Has not been able to supply Landfill data		831	10	381517 394750

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Permian and Triassic sandstones, undifferentiated,including Bunter and Keuper	A13SE (S)	0	3	381979 394030
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 150 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SE (S)	0	4	381979 394030
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SE (E)	0	4	382000 394030
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SE (S)	11	4	381979 394000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SE (SE)	13	4	382000 394000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SE (S)	82	4	381979 393928
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SE (S)	85	4	382000 393928

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 30 - 45 mg/kg	A14SW (E)	332	4	382328 393925
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 150 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13NW (NW)	398	4	381725 394369
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 150 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A12SE (W)	503	4	381447 394000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 150 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A12SW (W)	680	4	381269 394000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 150 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A8SE (S)	705	4	382000 393307
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 150 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A8SE (S)	705	4	381994 393306

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8SE (S)	707	4	382119 393315
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8SE (S)	744	4	382000 393268
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 30 - 45 mg/kg	A8SE (S)	750	4	382260 393307
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A9NW (SE)	794	4	382478 393374
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 30 - 45 mg/kg	A8SE (S)	823	4	382000 393188
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 150 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A7NE (SW)	832	4	381437 393370

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 30 - 45 mg/kg	A18NE (N)	944	4	382000 395000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 150 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A18NE (N)	944	4	381979 395000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 150 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A12SW (W)	948	4	381000 394030
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 150 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A12SW (W)	949	4	381000 394000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 150 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A12SW (W)	954	4	381000 393938
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 150 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A12NW (W)	962	4	381000 394201

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 30 - 45 mg/kg	A15SW (E)	992	4	383000 394030
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 30 - 45 mg/kg	A15SW (E)	992	4	383000 394000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 30 - 45 mg/kg	A15SW (E)	997	4	383000 393919
20	**BGS Recorded Mineral Sites** Site Name: Longford Brick Works Location: , Chorlton-Cum-Hardy, Manchester Source: British Geological Survey, National Geoscience Information Service Reference: 91146 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Quaternary Geology: Till, Devensian Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	861	3	381205 394474
	BGS Measured Urban Soil Chemistry No data available				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Urban Soil Chemistry Averages Source: British Geological Survey, National Geoscience Information Service Sample Area: Manchester Count Id: 300 Arsenic Minimum Concentration: 3.00 mg/kg Arsenic Average Concentration: 28.00 mg/kg Arsenic Maximum Concentration: 1008.00 mg/kg Cadmium Minimum Concentration: 0.30 mg/kg Cadmium Average Concentration: 1.40 mg/kg Cadmium Maximum Concentration: 80.30 mg/kg Chromium Minimum Concentration: 29.00 mg/kg Chromium Average Concentration: 92.00 mg/kg Chromium Maximum Concentration: 1252.00 mg/kg Lead Minimum Concentration: 21.00 mg/kg Lead Average Concentration: 270.00 mg/kg Lead Maximum Concentration: 2687.00 mg/kg Nickel Minimum Concentration: 6.00 mg/kg Nickel Average Concentration: 32.00 mg/kg Nickel Maximum Concentration: 137.00 mg/kg	A18SE (N)	646	3	382000 394701
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	3	381979 394030
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	3	381979 394030
	Potential for Ground Dissolution Stability Hazards No Hazard				
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	3	381979 394030
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	3	381979 394030
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	3	381979 394030
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	3	381979 394030
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	3	381979 394030

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	**Contemporary Trade Directory Entries** Name: Aleef Garages Location: 418a, Wilbraham Road, Manchester, M21 0SA Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SW (S)	0	-	381977 394020
22	**Contemporary Trade Directory Entries** Name: Aleef Garages Location: Wilbraham Rd, Manchester, M21 0SA Classification: Petrol Filling Stations - 24 Hour **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13SE (S)	10	-	381986 394002
22	**Contemporary Trade Directory Entries** Name: New Image Location: 418, Wilbraham Road, Manchester, M21 0SD Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (E)	26	-	382030 394026
23	**Contemporary Trade Directory Entries** Name: Bridge Garage Location: 529, Wilbraham Road, Manchester, Lancashire, M21 0UE Classification: Garage Services **Status: Active** Positional Accuracy: Manually positioned to the address or location	A13SW (SW)	49	-	381932 393977
23	**Contemporary Trade Directory Entries** Name: William Seabrook Location: 11, Corkland Road, Manchester, Lancashire, M21 8UP Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SW (SW)	96	-	381899 393944
23	**Contemporary Trade Directory Entries** Name: Just Perfect Location: 1, Chatfield Road, Manchester, M21 8UR Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	108	-	381915 393917
24	**Contemporary Trade Directory Entries** Name: Just Perfect Location: 4, Chatfield Road, Manchester, M21 8UR Classification: Carpet, Curtain & Upholstery Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (S)	102	-	381965 393908
25	**Contemporary Trade Directory Entries** Name: Northern Renaissance Instruments Location: 6, Needham Avenue, MANCHESTER, M21 8AA Classification: Musical Instrument - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	181	-	381799 393938
25	**Contemporary Trade Directory Entries** Name: Out Of Sight Safes Location: 6, Needham Avenue, Manchester, M21 8AA Classification: Safes & Vaults - Suppliers & Installers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	181	-	381799 393938
25	**Contemporary Trade Directory Entries** Name: Made To Measure Furniture Co Location: 6, Needham Avenue, Manchester, M21 8AA Classification: Cabinet Makers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	181	-	381799 393938
26	**Contemporary Trade Directory Entries** Name: Homestyle Location: 559, Wilbraham Road, Manchester, M21 0AE Classification: Painting & Decorating Supplies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (W)	201	-	381755 393985
26	**Contemporary Trade Directory Entries** Name: Hot City Location: 424, Barlow Moor Road, Manchester, Lancashire, M21 8AD Classification: Electrical Engineers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SW (W)	230	-	381741 393940

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	**Contemporary Trade Directory Entries** Name: Max Spielmann Location: 436, Barlow Moor Road, Manchester, Lancashire, M21 0AB Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (W)	242	-	381713 393982
27	**Contemporary Trade Directory Entries** Name: Homecheckers Location: Unit 9, Albany Trading Estate, Albany Road, Manchester, M21 0AZ Classification: Damp & Dry Rot Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	202	-	381823 394198
27	**Contemporary Trade Directory Entries** Name: Manchester Car Tints Location: Unit 9, Albany Trading Estate, Albany Road, Manchester, M21 0AZ Classification: Window Tinting **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	202	-	381823 394198
27	**Contemporary Trade Directory Entries** Name: Rileys Mot Location: Unit 10, Albany Trading Estate, Albany Road, Manchester, M21 0AZ Classification: Mot Testing Centres **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	220	-	381790 394191
27	**Contemporary Trade Directory Entries** Name: Albany Auto Services Location: Unit 6, Albany Trading Estate, Albany Road, Manchester, M21 0AZ Classification: Mot Testing Centres **Status: Active** Positional Accuracy: Automatically positioned in the proximity of the address	A13NW (NW)	228	-	381802 394214
27	**Contemporary Trade Directory Entries** Name: Charlton Cars Location: Albany Trading Est,Albany Rd, Manchester, Lancashire, M21 0AZ Classification: Garage Services **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A13NW (NW)	238	-	381785 394213
27	**Contemporary Trade Directory Entries** Name: Chorlton Trade Paints Location: Unit 2A,Albany Road Trading Est, Manchester, Lancashire, M21 0AZ Classification: Painting & Decorating Supplies **Status: Active** Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	243	-	381808 394238
27	**Contemporary Trade Directory Entries** Name: A J A Motors Location: Unit 1, Albany Trading Estate, Albany Road, Manchester, Lancashire, M21 0AZ Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	250	-	381806 394245
27	**Contemporary Trade Directory Entries** Name: John Maher Location: Unit 16, Albany Trading Estate, Albany Road, Manchester, M21 0AZ Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	257	-	381776 394230
28	**Contemporary Trade Directory Entries** Name: K & C Cleaning Location: 398a, Barlow Moor Road, Manchester, M21 8AD Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	234	-	381775 393878
29	**Contemporary Trade Directory Entries** Name: Marble Beers Ltd Location: 390, Wilbraham Road, Manchester, M21 0UH Classification: Brewers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (E)	237	-	382242 394049

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	**Contemporary Trade Directory Entries** Name: Romano Ltd Location: 458, Wilbraham Road, Manchester, M21 0AG Classification: Perfume Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (W)	241	-	381708 394019
31	**Contemporary Trade Directory Entries** Name: P M Services Ltd Location: Zetland Rd, Manchester, Lancashire, M21 8TH Classification: Garage Services **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A13SW (S)	279	-	381916 393736
32	**Contemporary Trade Directory Entries** Name: Kentoms Garage Location: Silverwood Av, Manchester, M21 8BN Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13SW (W)	285	-	381685 393932
33	**Contemporary Trade Directory Entries** Name: Autometers Systems Ltd Location: 4b, Albany Road, Manchester, M21 0AW Classification: Meter Manufacturers & Suppliers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	297	-	381767 394274
34	**Contemporary Trade Directory Entries** Name: 4g Accessories Uk Location: 448, Barlow Moor Road, Manchester, M21 0BQ Classification: Mobile Phone Accessories and Car Kits **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (W)	302	-	381655 394112
35	**Contemporary Trade Directory Entries** Name: Homepride Location: 593, Wilbraham Road, Manchester, M21 9AF Classification: Washing Machines - Servicing & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (W)	325	-	381629 393982
36	**Contemporary Trade Directory Entries** Name: Twist Design & Print Location: 19, Brundretts Road, Manchester, M21 9DA Classification: T-Shirts **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (W)	333	-	381640 393914
37	**Contemporary Trade Directory Entries** Name: Cleggs Right Price Toiletries Location: 8, Chorlton Place, Chorlton cum Hardy, Manchester, M21 9AQ Classification: Toiletries **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A12NE (W)	340	-	381609 394053
37	**Contemporary Trade Directory Entries** Name: Klick Location: The Kiosk,Chorlton Shopping Precinct,Chorlton Pl, Manchester, Lancashire, M21 9AQ Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A12SE (W)	342	-	381607 394022
37	**Contemporary Trade Directory Entries** Name: Cooltrader Ltd Location: 17, Chorlton Place, Chorlton cum Hardy, Manchester, M21 9AQ Classification: Frozen Food Processors & Distributors **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NE (W)	349	-	381600 394069
37	**Contemporary Trade Directory Entries** Name: Johnson Cleaners Uk Ltd Location: 1-3, Chorlton Place, Chorlton cum Hardy, Manchester, M21 9AQ Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (W)	350	-	381598 394027

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	**Contemporary Trade Directory Entries** Name: Johnson Cleaners (Uk) Ltd Location: 1, Chorlton Place, Chorlton cum Hardy, Manchester, M21 9AQ Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (W)	350	-	381598 394027
38	**Contemporary Trade Directory Entries** Name: Bezingaprint Location: 34, Manchester Road, Chorlton cum Hardy, Manchester, M21 9PH Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	352	-	381630 394189
38	**Contemporary Trade Directory Entries** Name: The Printworld Design Group Ltd Location: 34, Manchester Road, Chorlton cum Hardy, Manchester, M21 9PH Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	352	-	381630 394189
38	**Contemporary Trade Directory Entries** Name: Village Dry Cleaners Location: 38, Manchester Road, Chorlton cum Hardy, Manchester, M21 9PH Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	359	-	381628 394201
38	**Contemporary Trade Directory Entries** Name: Village Dry Cleaners Location: 38, Manchester Road, Chorlton cum Hardy, Manchester, M21 9PH Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	359	-	381628 394201
39	**Contemporary Trade Directory Entries** Name: Deep Fleen Carpets Location: 80 St. Werburghs Rd, Manchester, Lancashire, M21 0UL Classification: Cleaning Services - Domestic **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A14SW (SE)	354	-	382330 393867
40	**Contemporary Trade Directory Entries** Name: Taylor Car Sales Location: 330 Brangstingham Rd, Manchester, M21 0BN Classification: Car Dealers - Used **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13NW (NW)	365	-	381712 394318
40	**Contemporary Trade Directory Entries** Name: Chorlton Autoleisure Location: 330, Brantingham Road, Chorlton cum Hardy, Manchester, Lancashire, M21 0BJ Classification: Caravan Dealers & Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	396	-	381690 394339
40	**Contemporary Trade Directory Entries** Name: Chorlton Garage Location: Albany Service Station, Brantingham Road, Chorlton cum Hardy, Manchester, M21 0BG Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	396	-	381690 394339
41	**Contemporary Trade Directory Entries** Name: Simon Dunn Chocolatier Location: 492, Wilbraham Road, Manchester, M21 9AS Classification: Confectionery Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NE (W)	402	-	381547 394035
42	**Contemporary Trade Directory Entries** Name: Eddie'S Repair Service Location: 59, St. Werburghs Road, Manchester, M21 0UN Classification: Domestic Appliances - Servicing, Repairs & Parts **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	404	-	382372 393838

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	**Contemporary Trade Directory Entries** Name: Service Station (Chorlton) Location: 84, Manchester Road, Chorlton cum Hardy, Manchester, M21 9PT Classification: Petrol Filling Stations - 24 Hour **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	429	-	381654 394352
44	**Contemporary Trade Directory Entries** Name: Manchester Appliances Location: 59-61, Manchester Road, Chorlton cum Hardy, Manchester, M21 9PW Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	464	-	381598 394344
44	**Contemporary Trade Directory Entries** Name: Marble Beers Ltd Location: 57, Manchester Road, Chorlton cum Hardy, Manchester, Lancashire, M21 9PW Classification: Brewers **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	464	-	381593 394337
45	**Contemporary Trade Directory Entries** Name: Apex High Pressure Cleaning Services Location: 25, Dartmouth Road, Manchester, M21 8XL Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (S)	470	-	382119 393557
46	**Contemporary Trade Directory Entries** Name: Motortech Chorlton Ltd Location: 483, Barlow Moor Road, Manchester, M21 8AG Classification: Mot Testing Centres **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NW (S)	479	-	381837 393550
46	**Contemporary Trade Directory Entries** Name: Motor Tech Location: 483, Barlow Moor Road, Manchester, Lancashire, M21 8AG Classification: Garage Services **Status: Active** Positional Accuracy: Manually positioned to the address or location	A8NW (S)	479	-	381837 393550
46	**Contemporary Trade Directory Entries** Name: Miller Autos Location: Rear Of, 485, Barlow Moor Road, Manchester, M21 8AG Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NW (S)	493	-	381797 393548
46	**Contemporary Trade Directory Entries** Name: Spraycraft Ltd Location: Rear Of, 483, Barlow Moor Road, Manchester, Lancashire, M21 8AG Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	504	-	381797 393536
47	**Contemporary Trade Directory Entries** Name: Southside Motors Location: 72-86, Egerton Road North, Manchester, M16 0BZ Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (N)	481	-	382120 394515
47	**Contemporary Trade Directory Entries** Name: Egerton Garage Location: 72-86, Egerton Road North, Manchester, M16 0BZ Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (N)	481	-	382120 394515
47	**Contemporary Trade Directory Entries** Name: Chorlton Tyres Ltd Location: 72-86, Egerton Road North, Manchester, M16 0BZ Classification: Tyre Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SE (N)	497	-	382115 394534

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
47	**Contemporary Trade Directory Entries** Name: Chorlton Tyres Ltd Location: 72-86, Egerton Road North, Manchester, M16 0BZ Classification: Tyre Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SE (N)	497	-	382115 394534
48	**Contemporary Trade Directory Entries** Name: City Laundry & Dry Cleaners Location: 366, Barlow Moor Road, Manchester, Lancashire, M21 8AZ Classification: Laundries & Launderettes **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A8NW (S)	498	-	381890 393519
49	**Contemporary Trade Directory Entries** Name: Profresh Location: 3, Harkerside Close, Manchester, M21 8XQ Classification: Carpet, Curtain & Upholstery Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	510	-	382247 393563
50	**Contemporary Trade Directory Entries** Name: Forrest Joinery Location: Wilbraham Road, Manchester, M21 9AN Classification: Joinery Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (W)	522	-	381429 393986
51	**Contemporary Trade Directory Entries** Name: Autocar & Van Location: 1, Oswald Road, Chorlton cum Hardy, Manchester, M21 9LH Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NE (W)	542	-	381410 394103
52	**Contemporary Trade Directory Entries** Name: Bickertons Location: 1, Stockton Road, Manchester, M21 9FB Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SE (SW)	571	-	381471 393727
53	**Contemporary Trade Directory Entries** Name: R S Automotive Engineering Location: Park Brow Garage, St. Werburghs Road, Manchester, M21 8UQ Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	574	-	382359 393559
54	**Contemporary Trade Directory Entries** Name: Guardship Freight Location: 119, Manchester Road, Chorlton cum Hardy, Manchester, M21 9PG Classification: Freight Forwarders **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	588	-	381665 394555
55	**Contemporary Trade Directory Entries** Name: Joe Soap Service Centre Location: 32, Beech Road, Manchester, M21 9EL Classification: Laundries & Launderettes **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	616	-	381571 393539
56	**Contemporary Trade Directory Entries** Name: Auto Shield Location: 465, Barlow Moor Road, Manchester, M21 8AU Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NW (S)	629	-	381881 393387
56	**Contemporary Trade Directory Entries** Name: Autoshield Maserati Location: 465, Barlow Moor Road, Manchester, M21 8AU Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	629	-	381881 393387
56	**Contemporary Trade Directory Entries** Name: Kazmobile@Charlton.Car Location: 320, Barlow Moor Road, Manchester, M21 8AY Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	633	-	381921 393379

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	**Contemporary Trade Directory Entries** Name: Kazmbile Location: 320, Barlow Moor Road, Manchester, M21 8AY Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	633	-	381921 393379
56	**Contemporary Trade Directory Entries** Name: Furniture Exchange Ltd Location: 318, Barlow Moor Road, Manchester, M21 8AY Classification: Office Furniture & Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	642	-	381927 393370
57	**Contemporary Trade Directory Entries** Name: Cascade Cleaning Services Location: 39, Claridge Road, Manchester, M21 9WQ Classification: Carpet, Curtain & Upholstery Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	635	-	381456 394440
58	**Contemporary Trade Directory Entries** Name: Baskerville Reactors & Autoclaves Ltd Location: 324c, Barlow Moor Road, Manchester, M21 8AX Classification: Engineers - General **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	638	-	381978 393373
59	**Contemporary Trade Directory Entries** Name: G A P Systems Location: 62, Beech Road, Manchester, M21 9EG Classification: Vacuum Cleaners - Sales & Service **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	642	-	381462 393615
59	**Contemporary Trade Directory Entries** Name: Splash Graphix Location: 27, Stockton Road, Manchester, M21 9FB Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	655	-	381440 393623
60	**Contemporary Trade Directory Entries** Name: Engcon Ltd Location: 107, Caddington Road, Manchester, M21 8UD Classification: Electronic Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	643	-	382423 393522
61	**Contemporary Trade Directory Entries** Name: Custom Controls Location: 42 Whitelow Rd, Manchester, Lancashire, M21 9HG Classification: Automation Systems & Equipment **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A12SE (SW)	649	-	381378 393731
62	**Contemporary Trade Directory Entries** Name: Aysha Cloth House Location: 1, Lynwood Avenue, MANCHESTER, M16 8JZ Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	656	-	382392 394566
63	**Contemporary Trade Directory Entries** Name: Norden Location: Reynard Rd, Manchester, Lancashire, M21 8DD Classification: Packaging & Wrapping Equipment & Supplies **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A8SW (S)	689	-	381783 393347
64	**Contemporary Trade Directory Entries** Name: Nick'S School Of Motoring Location: 3, Wyverne Road, Manchester, M21 0XF Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	696	-	382704 394025
65	**Contemporary Trade Directory Entries** Name: Twist Design & Print Location: 27, Park Drive, Manchester, M16 0AF Classification: T-Shirts **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	696	-	382366 394635

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
66	**Contemporary Trade Directory Entries** Name: Barlow Moor Service Station Location: 302, Barlow Moor Road, Manchester, M21 8AY Classification: Petrol Filling Stations - 24 Hour **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A8SW (S)	698	-	381935 393313
66	**Contemporary Trade Directory Entries** Name: Samson Domestics Location: 437, Barlow Moor Road, Manchester, M21 8AU Classification: Refrigerators & Freezers - Servicing & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	722	-	381895 393292
67	**Contemporary Trade Directory Entries** Name: Dsc Location: 302, Barlow Moor Road, Manchester, M21 8AY Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	701	-	381952 393309
67	**Contemporary Trade Directory Entries** Name: Chorlton Service Centre Location: 302, Barlow Moor Road, Manchester, M21 8AY Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	701	-	381952 393309
67	**Contemporary Trade Directory Entries** Name: Jeffrey Douglass Location: 302a, Barlow Moor Road, Manchester, M21 8AY Classification: Joinery Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	702	-	381970 393309
67	**Contemporary Trade Directory Entries** Name: Aleef Garages Location: 302b, Barlow Moor Road, Manchester, Lancashire, M21 8AY Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A8SW (S)	702	-	381970 393309
68	**Contemporary Trade Directory Entries** Name: Polyplast Location: 63 Crossland Rd, Manchester, Lancashire, M21 9DU Classification: Packaging & Wrapping Equipment & Supplies **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A7NE (SW)	702	-	381508 393480
69	**Contemporary Trade Directory Entries** Name: Westroen Sphere Services Location: 7, Nell Lane, Manchester, M21 8UE Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	713	-	382388 393410
70	**Contemporary Trade Directory Entries** Name: Profresh Location: 631, Wilbraham Road, Manchester, M21 9JT Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	751	-	381200 393982
71	**Contemporary Trade Directory Entries** Name: Pyramid Location: 162, Manchester Road, Manchester, Lancashire, M16 0DZ Classification: Cinema Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (N)	753	-	381917 394806
71	**Contemporary Trade Directory Entries** Name: Seymour Location: 172, Manchester Road, Manchester, M16 0DZ Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NW (N)	777	-	381940 394832
72	**Contemporary Trade Directory Entries** Name: Realty Associates Location: 1, Crossland Road, Manchester, M21 9GU Classification: Damp & Dry Rot Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	786	-	381353 393522

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
73	**Contemporary Trade Directory Entries** Name: Press It Location: 49, Kensington Road, Manchester, M21 9WU Classification: Ironing & Home Laundry Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	822	-	381372 394625
74	**Contemporary Trade Directory Entries** Name: Chorlton Motoring Centre Location: 423, Barlow Moor Road, Manchester, M21 8ER Classification: Mot Testing Centres **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	832	-	381903 393181
74	**Contemporary Trade Directory Entries** Name: Chorlton Motoring Centre Location: 423, Barlow Moor Road, Manchester, M21 8ER Classification: Mot Testing Centres **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	832	-	381903 393181
75	**Contemporary Trade Directory Entries** Name: A S Location: 126, Manley Road, Manchester, M16 8WD Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	866	-	382714 394516
75	**Contemporary Trade Directory Entries** Name: Cross Damp Proofing Location: 18, Russell Avenue, Manchester, M16 8JQ Classification: Damp & Dry Rot Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	912	-	382757 394534
76	**Contemporary Trade Directory Entries** Name: International Body Styling Location: 419-421, Barlow Moor Road, Manchester, M21 8ER Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	876	-	381923 393136
76	**Contemporary Trade Directory Entries** Name: Albany Graphics Location: 419-421, Barlow Moor Road, Manchester, Lancashire, M21 8ER Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	876	-	381923 393136
76	**Contemporary Trade Directory Entries** Name: Palatine Location: 419-421, Barlow Moor Road, Manchester, M21 8ER Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	876	-	381923 393136
76	**Contemporary Trade Directory Entries** Name: Rapaport & Tonge Ltd Location: 419-421, Barlow Moor Road, Manchester, M21 8ER Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	876	-	381923 393136
76	**Contemporary Trade Directory Entries** Name: Just Rubbers Location: 419-421, Barlow Moor Road, Manchester, M21 8ER Classification: Tyre Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	876	-	381923 393136
76	**Contemporary Trade Directory Entries** Name: Harrison Rose Group Location: 421 Barlow Moor Rd, Manchester, M21 8ER Classification: Cleaning Materials & Equipment **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A8SW (S)	877	-	381923 393135
77	**Contemporary Trade Directory Entries** Name: Manchester Breakdown Recovery Location: 13, Gresford Close, Albemarle Road, Manchester, M21 9HW Classification: Breakdown and Recovery **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	880	-	381227 393536

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
78	**Contemporary Trade Directory Entries** Name: A & F Hardware Ltd Location: 264, Upper Chorlton Road, Manchester, M16 0BN Classification: Hardware **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	880	-	382015 394935
79	**Contemporary Trade Directory Entries** Name: Road Recovery Services Location: 45, Vicars Road, Manchester, M21 9JB Classification: Car Breakdown & Recovery Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (W)	891	-	381120 393713
79	**Contemporary Trade Directory Entries** Name: Road Recovery Services Location: 45, Vicars Road, Manchester, M21 9JB Classification: Car Breakdown & Recovery Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	891	-	381120 393713
80	**Contemporary Trade Directory Entries** Name: Bonfiglioli Ltd Location: 68, Claude Road, Manchester, Lancashire, M21 8DF Classification: Crane Hire, Sales & Service **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (S)	898	-	381633 393177
81	**Contemporary Trade Directory Entries** Name: Chorlton Location: 47, Kingshill Road, Manchester, M21 9HD Classification: Joinery Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	921	-	381062 393788
81	**Contemporary Trade Directory Entries** Name: V W Speed Location: B, 47, Kingshill Road, Manchester, M21 9HD Classification: Classic Car Specialists **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	946	-	381033 393801
81	**Contemporary Trade Directory Entries** Name: Joseph Siddall & Co Location: B, 47, Kingshill Road, Manchester, M21 9HD Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	946	-	381033 393801
82	**Contemporary Trade Directory Entries** Name: Express Dairies Location: Brook Farm, Brookburn Road, Manchester, M21 8FF Classification: Dairies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	930	-	381404 393271
83	**Contemporary Trade Directory Entries** Name: Crown House Technology Location: 550, Mauldeth Road West, Chorlton cum Hardy, Manchester, M21 7RX Classification: Mechanical Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	931	-	382507 393227
83	**Contemporary Trade Directory Entries** Name: Pall Mall Support Services Location: 550, Mauldeth Road West, Chorlton-cum-Hardy, Manchester, Lancashire, M21 7TJ Classification: Commercial Cleaning Services **Status: Active** Positional Accuracy: Manually positioned to the address or location	A9SW (SE)	931	-	382507 393227
84	**Contemporary Trade Directory Entries** Name: The Cleaning Co Location: 6, Ivygreen Road, Manchester, M21 9ET Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	931	-	381206 393475

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
84	**Contemporary Trade Directory Entries** Name: Masterclean Services Location: 10, Ivygreen Road, Manchester, M21 9ET Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	934	-	381195 393486
85	**Contemporary Trade Directory Entries** Name: Volkswagen Audi Chorlton Location: 213b, Upper Chorlton Road, Manchester, Lancashire, M16 0BH Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	939	-	382232 394960
86	**Contemporary Trade Directory Entries** Name: Furniture Workshop Location: 213, Upper Chorlton Road, Manchester, Lancashire, M16 0BH Classification: Cabinet Makers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	966	-	382173 395002
86	**Contemporary Trade Directory Entries** Name: The Morris Miner Millennium Co Location: 213, Upper Chorlton Road, Manchester, M16 0BH Classification: Classic Car Specialists **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	966	-	382173 395002
87	**Contemporary Trade Directory Entries** Name: Apricot Shirts Location: 25, Green Walk, Manchester, M16 9RE Classification: Shirt Makers **Status: Active** Positional Accuracy: Automatically positioned to the address	A19NW (NE)	967	-	382449 394901
88	**Fuel Station Entries** Name: Orchard Service Station Location: Wilbraham Road, Chorlton-cum-hardy, Manchester, Lancashire, M21 0SD Brand: Shell Premises Type: Petrol Station **Status: Open** Positional Accuracy: Manually positioned to the address or location	A13SW (W)	0	-	381970 394028
89	**Fuel Station Entries** Name: Chorlton Express Location: 84, Manchester Road, Chorlton cum Hardy, Manchester, M21 9PT Brand: ESSO Premises Type: Petrol Station **Status: Open** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	429	-	381654 394352
90	**Fuel Station Entries** Name: Synergie Barlow Moor Service Station Location: 302, Barlow Moor Road, Manchester, M21 8AY Brand: TEXACO Premises Type: Petrol Station **Status: Open** Positional Accuracy: Manually positioned to the address or location	A8SW (S)	699	-	381947 393312
91	**Fuel Station Entries** Name: Chorlton Motoring Centre Location: 423, Barlow Moor Road, Manchester, M21 8ER Brand: Shell Premises Type: Petrol Station **Status: Open** Positional Accuracy: Automatically positioned to the address	A8SW (S)	832	-	381902 393181
92	**Fuel Station Entries** Name: Brookside Motors Location: 24a Egerton Road South, Manchester, M21 0YN Brand: OBSOLETE Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	894	-	382800 393600
93	**Fuel Station Entries** Name: Chorlton Park Service Station Location: 417, Barlow Moor Road, Chorlton-Cum-Hardy,, MANCHESTER, Lancashire, M21 8JD Brand: Obsolete Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Automatically positioned to the address	A8SW (S)	916	-	381934 393095

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
94	**Areas of Adopted Green Belt** Authority: Manchester City Council Plan Name: The Manchester Plan **Status: Adopted** Plan Date: 11th December 1998	A7NW (SW)	925	5	381283 393389
95	**Local Nature Reserves** Name: Chorlton Ess & Ivy Green Multiple Area: N Area (m2): 309366.59 Source: Natural England Designation Date: 26th July 2006	A7SE (SW)	932	7	381327 393335

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Manchester City Council - Environmental Health Department	August 2012	Annual Rolling Update
Stockport Metropolitan Borough Council - Environment Team (Land & Water)	February 2013	Annual Rolling Update
Salford City Council - Environmental Health Department	October 2012	Annual Rolling Update
Trafford Metropolitan Borough Council - Renewal and Environmental Protection	October 2012	Annual Rolling Update
Discharge Consents		
Environment Agency - North West Region	April 2013	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - North West Region	March 2013	Quarterly
Integrated Pollution Controls		
Environment Agency - North West Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control		
Environment Agency - North West Region	April 2013	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Salford City Council - Environmental Health Department	August 2012	Annual Rolling Update
Manchester City Council - Environmental Health Department	February 2013	Annual Rolling Update
Trafford Metropolitan Borough Council - Environmental Health Department	January 2013	Annual Rolling Update
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	March 2013	Annual Rolling Update
Local Authority Pollution Prevention and Controls		
Salford City Council - Environmental Health Department	August 2012	Annual Rolling Update
Manchester City Council - Environmental Health Department	February 2013	Annual Rolling Update
Trafford Metropolitan Borough Council - Environmental Health Department	January 2013	Annual Rolling Update
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	March 2013	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Salford City Council - Environmental Health Department	August 2012	Annual Rolling Update
Manchester City Council - Environmental Health Department	February 2013	Annual Rolling Update
Trafford Metropolitan Borough Council - Environmental Health Department	January 2013	Annual Rolling Update
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	March 2013	Annual Rolling Update
Nearest Surface Water Feature		
Ordnance Survey	July 2012	Quarterly
Pollution Incidents to Controlled Waters		
Environment Agency - North West Region	January 2000	Not Applicable
Prosecutions Relating to Authorised Processes		
Environment Agency - North West Region	March 2013	Quarterly
Prosecutions Relating to Controlled Waters		
Environment Agency - North West Region	March 2013	Quarterly
Registered Radioactive Substances		
Environment Agency - North West Region	April 2013	Quarterly
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register		
Environment Agency - North West Region - South Area	April 2013	Quarterly
Water Abstractions		
Environment Agency - North West Region	April 2013	Quarterly
Water Industry Act Referrals		
Environment Agency - North West Region	April 2013	Quarterly
Groundwater Vulnerability		
Environment Agency - Head Office	January 2011	Not Applicable

Agency & Hydrological	Version	Update Cycle
Drift Deposits		
Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations		
British Geological Survey - National Geoscience Information Service	October 2012	Annually
Superficial Aquifer Designations		
British Geological Survey - National Geoscience Information Service	October 2012	Annually
Source Protection Zones		
Environment Agency - Head Office	March 2013	Quarterly
Extreme Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	April 2013	Quarterly
Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	April 2013	Quarterly
Areas Benefiting from Flood Defences		
Environment Agency - Head Office	April 2013	Quarterly
Flood Water Storage Areas		
Environment Agency - Head Office	April 2013	Quarterly
Flood Defences		
Environment Agency - Head Office	April 2013	Quarterly
Waste	**Version**	**Update Cycle**
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites		
Environment Agency - North West Region - South Area	April 2013	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - North West Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - North West Region - South Area	April 2013	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - North West Region - South Area	January 2013	Quarterly
Local Authority Landfill Coverage		
Manchester City Council - Planning Department	May 2000	Not Applicable
Salford City Council - Environmental Health Department	May 2000	Not Applicable
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	May 2000	Not Applicable
Trafford Metropolitan Borough Council - Environmental Health Department	May 2000	Not Applicable
Local Authority Recorded Landfill Sites		
Manchester City Council - Planning Department	May 2000	Not Applicable
Salford City Council - Environmental Health Department	May 2000	Not Applicable
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	May 2000	Not Applicable
Trafford Metropolitan Borough Council - Environmental Health Department	May 2000	Not Applicable
Registered Landfill Sites		
Environment Agency - North West Region - South Area	March 2003	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - North West Region - South Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites		
Environment Agency - North West Region - South Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	March 2013	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2013	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements		
Manchester City Council - Planning Department	December 2012	Annual Rolling Update
Salford City Council	December 2012	Annual Rolling Update
Stockport Metropolitan Borough Council - Environment and Economic Development	March 2013	Annual Rolling Update
Trafford Metropolitan Borough Council	March 2013	Annual Rolling Update
Planning Hazardous Substance Consents		
Manchester City Council - Planning Department	December 2012	Annual Rolling Update
Salford City Council	December 2012	Annual Rolling Update
Stockport Metropolitan Borough Council - Environment and Economic Development	March 2013	Annual Rolling Update
Trafford Metropolitan Borough Council	March 2013	Annual Rolling Update

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology		
British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
BGS Estimated Soil Chemistry		
British Geological Survey - National Geoscience Information Service	January 2010	Variable
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	April 2013	Bi-Annually
BGS Urban Soil Chemistry Averages		
British Geological Survey - National Geoscience Information Service	June 2011	Variable
Brine Compensation Area		
Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
Coal Mining Affected Areas		
The Coal Authority - Mining Report Service	January 2012	As notified
Mining Instability		
Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain		
British Geological Survey - National Geoscience Information Service	February 2011	Not Applicable
Potential for Collapsible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	February 2011	Annually
Radon Potential - Radon Affected Areas		
British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures		
British Geological Survey - National Geoscience Information Service	July 2011	As notified

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

A selection of organisations who provide data within this report

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

Useful Contacts

Contact	Name and Address	Contact Details
1	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
2	**Manchester City Council - Environmental Health Department** PO Box 463, Town Hall Extension, Albert Square, Manchester, Greater Manchester, M60 3NY	Telephone: 0161 234 4884 / 234 4873. Fax: 0161 234 4508 Website: www.manchester.gov.uk
3	**British Geological Survey - Enquiry Service** British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
4	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmark.co.uk Website: www.landmarkinfo.co.uk
5	**Manchester City Council** Town Hall, Albert Square, Manchester, Greater Manchester, M60 2JT	Telephone: 0161 234 5000 Fax: 0161 234 4508 Website: www.manchester.gov.uk
6	**Trafford Metropolitan Borough Council** P O Box 14, Trafford Town Hall, Talbot Road, Stretford, Greater Manchester, M32 0YZ	Telephone: 0161 912 1212 Fax: 0161 873 7783 Website: www.trafford.gov.uk
7	**Natural England** Northminster House, Northminster Road, Peterborough, Cambridgeshire, PE1 1UA	Telephone: 0845 600 3078 Fax: 01733 455103 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
8	**Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)** Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
9	**Manchester City Council - Planning Department** Town Hall, Manchester, Greater Manchester, M60 2LA	Telephone: 0161 234 5000 Fax: 0161 234 4508 Website: www.manchester.gov.uk
10	**Trafford Metropolitan Borough Council - Environmental Health Department** P O Box 14, Trafford Town Hall, Talbot Road, Stretford, Greater Manchester, M32 0YJ	Telephone: 0161 912 4566 Fax: 0161 873 7783 Website: www.trafford.gov.uk
-	**Health Protection Agency - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@hpa.org.uk Website: www.hpa.org.uk
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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