



EmapSite
Masdar House, 1 Reading Road,
Hants, RG27 0RP

GroundSure Reference: EMS-54103_67521
Your Reference: EMS_54103_67521
Report Date: Feb 14, 2008
Report Delivery Method: **xml**
Client Email: john@emapsite.com

GroundSure Environmental Data Report

Address:

Dear Sir/Madam,

Thank you for placing your order with GroundSure. Please find enclosed the **GroundSure Environmental Data Report** as requested.

If you need any further assistance, please do not hesitate to contact our maps and data helpline on 01273 819700 or email maps&data@groundsure.com quoting the above GroundSure reference number.

Yours faithfully,

A handwritten signature in black ink, appearing to read "P. Alford".

Managing Director
Groundsure Limited

Enc.
GroundSure Environmental Data Report

GroundSure Environmental Data Report

Address:

Date: Feb 14, 2008

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Brought to you by GroundSure

Aerial Photograph of Study Site



Aerial photography supplied by Getmapping PLC.
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Site Name:

Grid Reference: 351732,397582

Overview of Findings

For further details on each dataset, please refer to each individual section in the main Report as listed. Where the database has been searched a numerical result will be recorded. Where the database has not been searched '-' will be recorded.

Report Section	Number of records found within (X) m of the study site boundary					
	on-site	0-50	51-250	251-500	501-1000	1000-1500
1. Authorisations, Incidents and Registers						
1.1 Industrial Sites Holding Licenses and/or Authorisations						
Records of IPC Authorisations	0	0	0	8	7	-
Records of IPPC Authorisations	0	0	0	3	0	-
Records of Water Industry Referrals (potentially harmful discharges to the public sewer)	0	0	0	0	-	-
Records of Red List Discharge Consents (potentially harmful discharges to controlled waters)	0	0	0	0	-	-
Records of List 1 Dangerous Substances Inventory sites	0	0	0	0	-	-
Records of List 2 Dangerous Substances Inventory sites	0	0	0	0	-	-
Records of LAPPC (LAPC) Authorisations	0	0	0	0	-	-
Records of Category 3 or 4 Radioactive Substances Authorisations	0	0	0	1	-	-
Records of Licensed Discharge Consents	0	0	0	0	-	-
1.2 Records of COMAH and NIHHS sites	0	0	0	1	-	-
1.3 Environment Agency Recorded Pollution Incidents						
National Incidents Recording System, List 2	0	0	0	-	-	-
National Incidents Recording System, List 1	0	0	0	-	-	-
1.4 Sites Determined as Contaminated Land under Part IIA EPA 1990	0	0	0	0	-	-
2. Landfill and Other Waste Sites						
2.1 Landfill Sites						
Environment Agency Registered landfill Sites	0	0	0	0	0	0
Landfill Data – Operational Landfill Sites	0	0	0	0	0	0
Environment Agency Historic Landfill Sites	0	0	0	0	3	3
Landfill Data – Non-Operational Landfill Sites	0	0	0	0	0	1
BGS/DoE Landfill Site Survey	0	0	0	0	0	2
GroundSure Local Authority Landfill Sites Data	0	0	0	0	0	0
2.2 Landfill and Other Waste Sites Findings						
Operational Waste Treatment, Transfer and Disposal Sites	0	0	0	0	-	-
Non-Operational Waste Treatment, Transfer and Disposal Sites	0	0	0	0	-	-
Environment Agency (REGIS) Waste Sites	0	0	0	0	0	14
3. Current Land Uses						
3.1 Current Industrial Sites Data						
3.2 Records of Petrol and Fuel Sites	0	0	0	2	-	-
3.3 Underground High Pressure Oil and Gas Pipelines	0	0	0	0	-	-

4. Geology	Description
4.1 Are there any records of Artificial Ground and Made Ground present beneath the study site? *	None
4.2 Are there any records of Superficial Ground and Drift Geology present beneath the study site?	Yes
4.3 For records of Bedrock and Solid Geology beneath the study site* see the detailed findings section. Source: Scale: 1:50,000 BGS Sheet 084	

* This includes an automatically generated 50m buffer zone around the site.

5. Hydrogeology and Hydrology	on-site	0-50	51-250	251-500	501-1000	1001-2000*
5.1 Environment Agency Groundwater Vulnerability and Soil Classification						
Minor Aquifer (within 200m)	Yes	No	No	-	-	-
Major Aquifer (within 200m)	No	No	No	-	-	-
Soil Classification (within 200m)	Yes	No	No	-	-	-
5.2 Groundwater Abstraction Licences (within 2000m of the study site).						
5.3 Surface Water Abstraction Licences (within 1000m of the study site).	0	0	0	0	7	-
5.4 Source Protection Zones						
Source Protection Zones within 500m of the study site.	0	0	0	0	-	-
5.5 Potable Water Abstraction Licences (within 2000m of the study site).						
5.6 River Quality	0	0	0	0	0	0
Is there any Environment Agency information on river quality within 500m of the study site?	Yes	No	No	Yes	-	-
5.7 Main Rivers						
Main Rivers within 500m of the study site.	0	0	0	1	-	-

6. Flooding	Description
6.1 Are there any Environment Agency indicative Zone 2 floodplains within 250m of the study site?	No
6.2 Are there any Environment Agency indicative Zone 3 floodplains within 250m of the study site?	No
6.3 Are there any Areas benefiting from Flood Defences within 250m of the study site?	No
6.4 Are there any Areas used for Flood Storage within 250m of the study site?	No
6.5 What is the maximum BGS groundwater flooding susceptibility within 50m of the study site?	Moderate
6.6 What is the BGS confidence rating for the groundwater flooding susceptibility areas?	Moderately Low

7. Ecological Designated Sites	on-site	0-50	51-250	251-500	501-1000	1001-1500
7.1 Records of Sites of Special Scientific Interest (SSSI):	0	0	0	0	0	-
7.2 Records of National Nature Reserves (NNR) :	0	0	0	0	0	-
7.3 Records of Local Nature Reserves (LNR):	0	0	0	0	0	-
7.4 Records of Special Areas of Conservation (SAC):	0	0	0	0	0	-
7.5 Records of Special Protection Areas (SPA):	0	0	0	0	0	-
7.6 Records of Ramsar sites:	0	0	0	0	0	-
7.7 Records of World Heritage Sites:	0	0	0	0	0	-

8. Natural Hazards

8.1 What is the maximum risk of natural ground subsidence? Low

9. Mining

9.1 Are there any coal mining areas within 75m of the study site? Yes

9.2 What is the risk of subsidence relating to shallow mining within 150m of the study site? Low-Moderate

Using this Report

The following report is designed by Environmental Consultants for Environmental Professionals bringing together the most up-to-date market leading environmental data. This report is provided under and subject to the Terms & Conditions agreed between GroundSure and the Client. The document contains the following sections:

1. Authorisations, Incidents and Registers

Provides information on Regulated Industrial Activities and Pollution Incidents as recorded by the Environment Agency, and sites determined as Contaminated Land. This search is conducted using radii up to 1000m.

2. Landfills and Other Waste Sites

Provides information on landfills and other waste sites that may pose a risk to the study site. This search is conducted using radii up to 1500m.

3. Current Land Uses

Provides information on artificial and superficial deposits and bedrock beneath the study site. These searches are conducted on site and includes a 50m buffer zone.

4. Geology

Provides information on artificial and superficial deposits and bedrock beneath the study site. These searches are conducted using radii of up to 250m and includes a 50m buffer zone.

5. Hydrogeology and Hydrology

Provides information on groundwater vulnerability, soil leaching potential, abstraction licenses, Source Protection Zones (SPZ) and river quality. These searches are conducted using radii of up to 2000m.

6. Flooding

Provides information on surface water flooding, flood defences, flood storage areas and groundwater flood areas. This search is conducted using radii of up to 250m.

7. Ecological Designated Sites

Provides information on the Sites of Special Scientific Interest (SSSI), National Nature Reserves (NNR), Special Areas of Conservation (SAC), Special Protection Areas (SPA), Ramsar sites, Local Nature Reserves (LNR) and World Heritage Sites. These searches are conducted using radii of up to 1000m.

8. Natural Hazards

Provides information on a range of natural hazards that may pose a risk to the study site. These searches are conducted using radii of up to 75m.

9. Mining

Provides information on areas of coal and shallow mining. These searches are conducted using radii of up to 150m.

10. Contacts

This section of the report provides contact points for statutory bodies and data providers that may be able to provide further information on issues raised within this report. Alternatively, GroundSure provide a free Technical Helpline (01273 819700) for further information and guidance.

Note: Maps

Only certain features are placed on the maps within the report. All features represented on maps found within this search are given an identification number. This number identifies the feature on the mapping and correlates it to the additional information provided below. This identification number precedes all other information and takes the following format -Id: 1, Id: 2, etc. Where numerous features on the same map are in such close proximity that the numbers would obscure each other a letter identifier is used instead to represent the features. (e.g. Three features which overlap may be given the identifier "A" on the map and would be identified separately as features 1A, 3A, 10A on the data tables provided).

Where a feature is reported in the data tables to a distance greater than the map area, it is noted in the data table as "Not Shown".

All distances given in this report are in Metres (m). Directions are given as compass headings such as N: North, E: East, NE: North East from the nearest point of the study site boundary.

1. Authorisations, Incidents and Registers Map

NW

NE

◀

▶

SW

SE



Incidents and Registers Legend



Site Outline



Search Buffers (m)



Recorded Pollution Incident



Dangerous Substances (List 1)



Dangerous Substances (List 2)



Water Industry Referrals



Licenced Discharge Consents



Red List Discharge Consents



RAS 3 & 4 Authorisations



IPPC & IPC Authorisations



LAPPC Authorisations



COMAH / NIHS Sites



Sites Determined as Contaminated Land


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1. Authorisations, Incidents and Registers

1.1 Industrial Sites Holding Licences and/or Authorisations

Searches of information provided by the Environment Agency and Local Authorities reveal the following information:

Records of Part A Licences (IPC Processes) within 1000m of the study site:

15

The following Part A Licences (IPC Processes) are represented as points on the Authorisations, Incidents and Registers map:

ID	Distance	Direction	NGR	Details
1A	437.0	SW	351310.0,397190.0	Operator: BOC GROUP PLC Address: BOC GROUP PLC, Washway Lane, St. Helens, Merseyside, WA10 6PA Process: GASIFICATION AND ASSOCIATED PROCESSES Permit Number: BC5466 Original Permit Number: IPCMINVAR Date Approved: 24-Nov-1998 Effective Date: 30-Nov-1998
2A	437.0	SW	351310.0,397190.0	Operator: BOC GROUP PLC Address: BOC GROUP PLC, Washway Lane, St. Helens, Merseyside, WA10 6PA Process: GASIFICATION AND ASSOCIATED PROCESSES Permit Number: AF8327 Original Permit Number: IPCAIRAPP Date Approved: 04-Dec-1992 Effective Date: 04-Dec-1992
3A	437.0	SW	351310.0,397190.0	Operator: BOC GROUP PLC Address: BOC GROUP PLC, Washway Lane, St. Helens, Merseyside, WA10 6PA Process: GASIFICATION AND ASSOCIATED PROCESSES Permit Number: BV3260 Original Permit Number: IPCMINVAR Date Approved: Effective Date:
4A	437.0	SW	351310.0,397190.0	Operator: BOC GROUP PLC Address: BOC GROUP PLC, Washway Lane, St. Helens, Merseyside, WA10 6PA Process: GASIFICATION AND ASSOCIATED PROCESSES Permit Number: BV3260 Original Permit Number: IPCMINVAR Date Approved: 09-Jul-2003 Effective Date: 16-Jul-2003
5A	437.0	SW	351310.0,397190.0	Operator: BOC GROUP PLC Address: BOC GROUP PLC, Washway Lane, St. Helens, Merseyside, WA10 6PA Process: GASIFICATION AND ASSOCIATED PROCESSES Permit Number: BV3260 Original Permit Number: IPCMINVAR Date Approved: 09-Jul-2003 Effective Date: 16-Jul-2003
6A	437.0	SW	351310.0,397190.0	Operator: BOC GROUP PLC Address: BOC GROUP PLC, Washway Lane, St. Helens, Merseyside, WA10 6PA Process: GASIFICATION AND ASSOCIATED PROCESSES Permit Number: AF8327 Original Permit Number: IPCAIRAPP Date Approved: 04-Dec-1992 Effective Date: 04-Dec-1992
7A	437.0	SW	351310.0,397190.0	Operator: BOC GROUP PLC Address: BOC GROUP PLC, Washway Lane, St. Helens, Merseyside, WA10 6PA Process: GASIFICATION AND ASSOCIATED PROCESSES Permit Number: BC5466 Original Permit Number: IPCMINVAR Date Approved: 24-Nov-1998 Effective Date: 30-Nov-1998
8A	437.0	SW	351310.0,397190.0	Operator: BOC GROUP PLC Address: BOC GROUP PLC, Washway Lane, St. Helens, Merseyside, WA10 6PA Process: GASIFICATION AND ASSOCIATED PROCESSES Permit Number: BV3260 Original Permit Number: IPCMINVAR Date Approved: 09-Jul-2003 Effective Date: 16-Jul-2003
9B	513.0	SW	351200.0,397200.0	Operator: BOC LTD Address: BOC LTD, Washway Lane, St. Helens, Merseyside, WA10 6PA Process: GASIFICATION AND ASSOCIATED PROCESSES Permit Number: AF8327 Original Permit Number: IPCAIRAPP Date Approved: 04-Dec-2092 Effective Date: 04-Dec-2092
10B	513.0	SW	351200.0,397200.0	Operator: BOC GROUP PLC Address: BOC GROUP PLC, Washway Lane, St. Helens, Merseyside, WA10 6PA Process: GASIFICATION AND ASSOCIATED PROCESSES Permit Number: BC5466 Original Permit Number: IPCMINVAR Date Approved: 24-Nov-1998 Effective Date: 30-Nov-1998
11B	513.0	SW	351200.0,397200.0	Operator: BOC LTD Address: BOC LTD, Washway Lane, St. Helens, Merseyside, WA10 6PA Process: GASIFICATION AND ASSOCIATED PROCESSES Permit Number: BC5466 Original Permit Number: IPCMINVAR Date Approved: 24-Nov-2098 Effective Date: 30-Nov-2098

GroundSure Environmental Data Report Reference: EMS-54103_67521

Not shown	865.0	S	351300.0,396700.0	Operator: PILKINGTON PLC Address: PILKINGTON PLC, Cowley Hill Site, St Helens, Merseyside, WA10 2RZ Process: PROCESSES INVOLVING HALOGENS	Permit Number: AL8177 Original Permit Number: IPCAIRAPP Date Approved: 26-May-1994 Effective Date: 31-May-1994
Not shown	865.0	S	351300.0,396700.0	Operator: PILKINGTON PLC Address: PILKINGTON PLC, Cowley Hill Site, St Helens, Merseyside, WA10 2RZ Process: PROCESSES INVOLVING HALOGENS	Permit Number: AW9978 Original Permit Number: IPCMINVAR Date Approved: 21-Feb-1997 Effective Date: 24-Feb-1997
Not shown	865.0	S	351300.0,396700.0	Operator: PILKINGTON PLC Address: PILKINGTON PLC, Cowley Hill Site, St Helens, Merseyside, WA10 2RZ Process: PROCESSES INVOLVING HALOGENS	Permit Number: BD7383 Original Permit Number: IPCMINVAR Date Approved: 24-Nov-1998 Effective Date: 30-Nov-1998
Not shown	865.0	S	351300.0,396700.0	Operator: PILKINGTON PLC Address: PILKINGTON PLC, Cowley Hill Site, St Helens, Merseyside, WA10 2RZ Process: PROCESSES INVOLVING HALOGENS	Permit Number: BD7383 Original Permit Number: IPCMINVAR Date Approved: 24-Nov-2098 Effective Date: 30-Nov-2098 Current Status:

Records of Part A Licences (IPPC Processes) within 1000m of the study site: 3

The following Part A Licences (IPPC Processes) are represented as points on the Authorisations, Incidents and Registers map:

ID	Distance	Direction	NGR	Details	
16A	437.0	SW	351310,397190	Operator: Boc Group Plc Installation Name: Washway Lane Reformation Status: Determination	Permit Number: BS52311G Original Permit Number: BS52311G Issue Date: - Effective Date: -
17A	437.0	SW	351310,397190	Operator: Boc Group Plc Installation Name: Washway Lane Reformation Status: Effective	Permit Number: BS52311G Original Permit Number: BS52311G Issue Date: 20070430 Effective Date: 20070430
18A	437.0	SW	351310,397190	Operator: BOC Group PLC Installation Name: Washway Lane Reformation Status: Effective	Permit Number: BS52311G Original Permit Number: BS52311G Issue Date: 20070430 Effective Date: 20070430

Records of Water Industry Referrals (potentially harmful discharges to the public sewer) within 500m of the study site: 0

Database searched and no data found.

Records of Red List Discharge Consents (potentially harmful discharges to controlled waters) within 500m of the study site: 0

Database searched and no data found.

Records of List 1 Dangerous Substances Inventory Sites within 500m of the study site: 0

Database searched and no data found.

Records of List 2 Dangerous Substance Inventory Sites within 500m of the study site: 0

Database searched and no data found.

Records of LAPPC (LAPC) Authorisations within 500m of the study site: 0

Database searched and no data found.

Records of Category 3 or 4 Radioactive Substance Licences within 500m of the study site: 1

The following RAS Licence (3 or 4) records are represented as points on the Authorisations, Incidents and Registers map:

ID	Distance	Direction	NGR	Details	
19A	437.0	SW	351310.0,397190.0	Address: Boc Group Plc, Washway Lane, St. Helens, Merseyside, WA10 6PA Type: Keeping And Use Of Radioactive Materials (was Rsa60 Section 1). Permission Number: AT0338 Original Permission Number: AT0338	Status: Effective Date Approved: 01-Apr-1991 Effective Date: 01-Apr-1991

Records of Licenced Discharge Consents within 500m of the study site: 0

Database searched and no data found.

1.2 Dangerous or Hazardous Sites

Records of COMAH & NIHHS sites within 500m of the study site: 1

The following COMAH & NIHHS Authorisation records provided by the Health and Safety Executive are represented as polygons or buffered points on the Authorisations, Incidents and Registers map:

ID	Distance	Direction	NGR	Address	Type	Status
20	411.0	SW	351400.0, 397200.0	boc (ltd),washway lane,st helens,wa10 6pa	NIHHS	new

1.3 Environment Agency Recorded Pollution Incidents

Records of National Incidents Recording System, List 2 within 250m of the study site: 0

Database searched and no data found.

Records of National Incidents Recording System, List 1 within 250m of the study site: 0

Database searched and no data found.

1.4 Sites Determined as Contaminated Land under Part IIA EPA 1990¹

How many records of sites determined as contaminated land under Section 78R of the Environmental Protection Act 1990 are there within 500m of the study site? 0

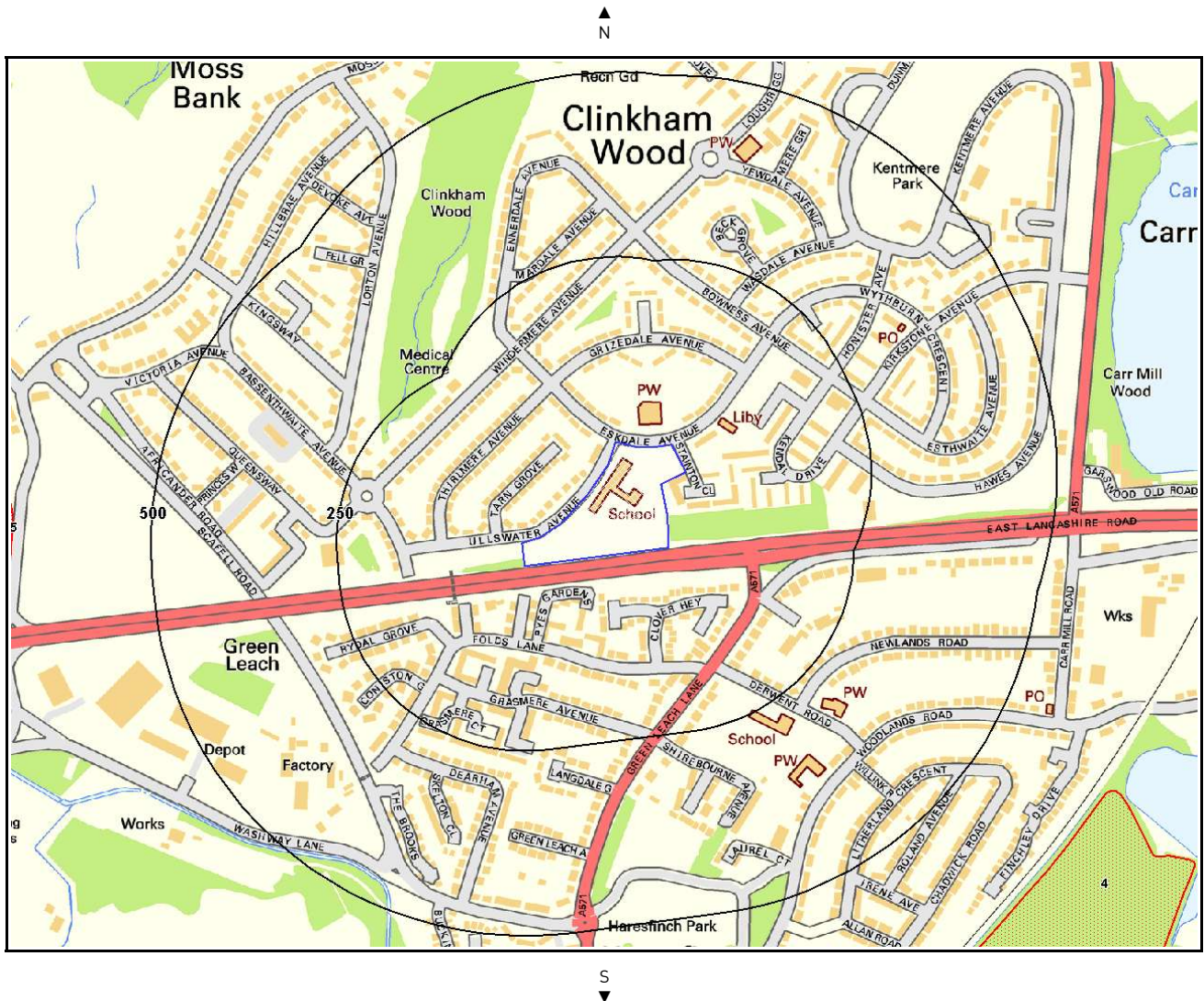
Database searched and no data found.

¹Further information on sites that have been determined under the Contaminated Land Regime is maintained by Local Authorities under Section 78R of the Environmental Protection Act 1990. Information should be available on both sites currently determined as Contaminated Land and Special Sites.

2. Landfill and Other Waste Sites Map

 NW
 ◀W

NE
















SW

SE

Landfill & Other Waste Sites Legend


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- | | | | | | |
|---|--------------------|---|---------------------------------------|---|-------------------------------------|
|  | Site Outline |  | E.A. Active Landfill |  | Operational Waste Treatment Licence |
|  | Search Buffers (m) |  | E.A. Historic Landfill (Area Data) |  | Closed Waste Treatment Licence |
| | |  | E.A. Historic Landfill (Point Data) |  | REGIS Waste Licence |
| | |  | BGS / DoE Survey Landfill |  | Operational Landfill |
| | |  | Local Authority Landfill (Area Data) |  | Closed Landfill |
| | |  | Local Authority Landfill (Point Data) | | |

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2. Landfill and Other Waste Sites

2.1 Landfill Sites¹

Records from Environment Agency landfill data within 1000m of the study site: 0

Database searched and no data found.

Records of operational landfill sites sourced from Landmark within 1500m of the study site: 0

Database searched and no data found.

Records of Environment Agency historic landfill sites within 1500m of the study site: 6

The following landfill records are represented as either points or polygons on the Landfill and Other Waste Sites map:

ID	Distance	Direction	NGR	Details
4	671.0	SE	352000,396600	Site Address: Pilkington Brothers, Sand Lodges, St Helens, Merseyside Waste Licence: - Site Reference: - Waste Type: Inert, Industrial, Liquid sludge Regis Reference: - Data Type: Polygon Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: Pilkington Brothers Limited
5	686.0	W	350800,397500	Site Address: Moss Bank Road, St. Helens, Merseyside Waste Licence: - Site Reference: GDO M037 Waste Type: No data Regis Reference: - Data Type: Polygon Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: Messrs J B and B Leach / Pilkingtons
Not shown	866.0	E	352700,397800	Site Address: Fishing Cottage Lodge, St. Helens, Merseyside Waste Licence: - Site Reference: GDO M058 Waste Type: No data Regis Reference: - Data Type: Polygon Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: -
Not shown	1015.0	E	353000,397800	Site Address: Carr Mill Landfill Site, Garswood Old Road, Ashton-In-Makerfield, St. Helens, Merseyside Waste Licence: - Site Reference: GDO M071, R17/04 Waste Type: Inert, Industrial, Commercial, Household Regis Reference: - Data Type: Polygon Licence Issue: Licence Surrendered: Licence Hold Address: Royal Liver Building, Pier Head, Liverpool Operator: Merseyside County Council
Not shown	1296.0	E	353100,398000	Site Address: Carr Mill Refuse Disposal Site, Ashton-in-makerfield, Greater Manchester Waste Licence: - Site Reference: - Waste Type: Commercial, Household Regis Reference: - Data Type: Polygon Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: Ashton in Makerfield Urban District Council
Not shown	1487.0	NE	352500,399000	Site Address: Otterswift Farm, Billinge, St. Helens, Merseyside Waste Licence: Yes Site Reference: GDO M158, 133/04 Waste Type: Inert Regis Reference: - Data Type: PolygonLow Licence Issue: 11-Oct-1983 Licence Surrendered: Licence Hold Address: Otterswift Farm, Billinge, Merseyside Operator: W Abbott

¹This information is gathered from a wide range of sources including, the Environment Agency (Agency), The British Geological Survey (BGS) and under licence from Landmark Information Group Limited®. Data supplied by Landmark Information Group Limited® and the Agency refers to waste management licences required (under either the Control of Pollution Act 1974 and/or the Environmental Protection Act 1990) by anyone involved in waste disposal. A survey by the BGS undertaken in 1972/3 provides data on some older landfill sites that were not subject to legislation. Environment Agency data on historic waste / landfill sites is still being updated by the Agency as part of an ongoing project. GroundSure use this data because more accurate data is not yet publicly available and will use enhanced Environment Agency data when it is released.

Records of non-operational landfill sites sourced from Landmark within 1500m of the study site: 1

The following landfill records are represented as points on the Landfill and Other Waste Sites map:

ID	Distance	Direction	NGR		Details
Not shown	1497.0	NE	352500.0,399000.0	Site Address: Otterswift Farm, Billinge, WIGAN, Lancashire, Landfill Licence: 28CAAPAL Agency Reference: Waste Type: Inert Waste Description: Inert Landfill Known Restrictions: No known restriction on source of waste	Record Date: 01-Oct-1983 Transfer Date: Modification Date: Status: Licence lapsed/cancelled/defunct/not applicable/surrendered Category: LANDFILL Regulator: EA - North West Region - South Area (West - Warrington) Size: Very Small (<10,000 tonnes/year)

Records of BGS/DoEnon-operational landfill sites within 1500m of the study site: 2

The following landfill records are represented as points on the Landfill and Other Waste Sites map:

ID	Distance	Direction	NGR		Details
Not shown	1073.0	S	352100.0,396500.0	Address: Pilkington Bros, Sand Lodges, St Helens BGS Number: 983.0	Risk: No risk to aquifer Waste Type: N/A
Not shown	1283.0	E	353100.0,397800.0	Address: Carr Mill Refuse Disposal Site, Ashton-in-Makerfie BGS Number: 2743.0	Risk: No risk to aquifer Waste Type: N/A

Records of Local Authority landfill sites within 1500m of the study site: 0

Database searched and no data found.

2.2 Other Waste Sites¹

Records of operational waste treatment, transfer or disposal sites within 500m of the study site: 0

Database searched and no data found.

Records of non-operational waste treatment, transfer or disposal sites within 500m of the study site: 0

Database searched and no data found.

Records of Environment Agency (REGIS) waste sites within 1500m of the study site: 14

The following waste treatment, transfer or disposal sites records are represented as points on the Landfill and Other Waste Sites map:

ID	Distance	Direction	NGR		Details
----	----------	-----------	-----	--	---------

¹This information is gathered from a wide range of sources including, the Environment Agency (Agency), The British Geological Survey (BGS) and under licence from Landmark Information Group Limited®. Data supplied by Landmark Information Group Limited® and the Agency refers to waste management licences required (under either the Control of Pollution Act 1974 and/or the Environmental Protection Act 1990) by anyone involved in waste disposal. A survey by the BGS undertaken in 1972/3 provides data on some older landfill sites that were not subject to legislation. Environment Agency data on historic waste / landfill sites is still being updated by the Agency as part of an ongoing project. GroundSure use this data because more accurate data is not yet publicly available and will use enhanced Environment Agency data when it is released.

GroundSure Environmental Data Report Reference: EMS-54103_67521

Not shown	1328.0	S	352300,396300	Site Address: Merton Street, St Helens, Merseyside, WA9 Type: Metal recycling sites (vehicle dismantlers) Size: ← 25000 tonnes Regis Licence Number: FAI001 Operator: Fairless David John Surrendered Date: - Waste Management licence No: 53975 Annual Tonnage: 417.0	Issue Date: 5/9/1988 Expiry Date: - Effective Date: - Status: Modified Modified: 17/3/2005 Site Name: Dafairle Salvage Cancelled Date: - Correspondence Address: Dafairle Salvage, Merton Street, , St Helens, Merseyside, WA9
Not shown	1328.0	S	352300,396300	Site Address: Merton Street, St Helens, Merseyside, WA9 Type: Metal recycling sites (mixed MRSs) Size: ← 25000 tonnes Regis Licence Number: FAI001 Operator: Fairless D Surrendered Date: - Waste Management licence No: 53975 Annual Tonnage: 416.66	Issue Date: 9/5/1988 0:00:00 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Dafairle Salvage Cancelled Date: - Correspondence Address: Dafairle Salvage, Merton Street, , St Helens, Merseyside, WA9
Not shown	1328.0	S	352300,396300	Site Address: Merton Street, St Helens, Merseyside, WA9 Type: Metal recycling sites (mixed MRSs) Size: ← 25000 tonnes Regis Licence Number: FAI001 Operator: Fairless D Surrendered Date: - Waste Management licence No: 53975 Annual Tonnage: 416.66	Issue Date: 5/9/1988 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Dafairle Salvage Cancelled Date: - Correspondence Address: Dafairle Salvage, Merton Street, , St Helens, Merseyside, WA9
Not shown	1328.0	S	352300,396300	Site Address: Merton Street, St Helens, Merseyside, WA9 Type: Metal recycling sites (vehicle dismantlers) Size: ← 25000 tonnes Regis Licence Number: FAI001 Operator: Fairless David John Surrendered Date: - Waste Management licence No: 53975 Annual Tonnage: 417.0	Issue Date: 5/9/1988 Expiry Date: - Effective Date: - Status: Modified Modified: 17/3/2005 Site Name: Dafairle Salvage Cancelled Date: - Correspondence Address: Dafairle Salvage, Merton Street, St Helens, Merseyside, WA9
Not shown	1328.0	S	352300,396300	Site Address: Merton Street, St Helens, Merseyside, WA9 Type: Metal recycling sites (vehicle dismantlers) Size: ← 25000 tonnes Regis Licence Number: FAI001 Operator: Fairless David John Surrendered Date: - Waste Management licence No: 53975 Annual Tonnage: 417.0	Issue Date: 5/9/1988 Expiry Date: - Effective Date: - Status: Modified Modified: 17/3/2005 Site Name: Dafairle Salvage Cancelled Date: 0 Correspondence Address: Dafairle Salvage, Merton Street, St Helens, Merseyside, WA9
Not shown	1328.0	S	352300,396300	Site Address: Merton Street, St Helens, Merseyside, WA9 Type: - Size: 1 Regis Licence Number: - Operator: Fairless D Surrendered Date: - Waste Management licence No: 53975 Annual Tonnage: 0.0	Issue Date: - Expiry Date: - Effective Date: - Status: - Modified: - Site Name: Dafairle Salvage Cancelled Date: - Correspondence Address: , ,
Not shown	1403.0	S	352138,396169	Site Address: - Type: Household, Commercial and Industrial transfer stations Size: →= 25000 tonnes ← 75000 tonnes Regis Licence Number: CEN002 Operator: Central Grange Environmental Waste Ltd Surrendered Date: - Waste Management licence No: 50362 Annual Tonnage: 0.0	Issue Date: 28/2/2005 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Centralgrange Environmental Waste Ltd Cancelled Date: - Correspondence Address: Howley Lane, Howley, Warrington, Cheshire, WA1 2DN

GroundSure Environmental Data Report Reference: EMS-54103_67521

Not shown	1403.0	S	352138,396169	<p>Site Address: - Type: Household, Commercial and Industrial transfer stations Size: →= 25000 tonnes ← 75000 tonnes Regis Licence Number: CEN002 Operator: Central Grange Environmental Waste Ltd Surrendered Date: - Waste Management licence No: 50362 Annual Tonnage: 0.0</p>	<p>Issue Date: 28/2/2005 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Centralgrange Environmental Waste Ltd Cancelled Date: - Correspondence Address: Mr Christopher Molyneux, Howley Lane, Howley, Warrington, Cheshire, WA1 2DN</p>
Not shown	1403.0	S	352138,396169	<p>Site Address: - Type: Household, Commercial and Industrial transfer stations Size: →= 25000 tonnes ← 75000 tonnes Regis Licence Number: CEN002 Operator: Central Grange Environmental Waste Ltd Surrendered Date: - Waste Management licence No: 50362 Annual Tonnage: 0.0</p>	<p>Issue Date: 28/2/2005 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Centralgrange Environmental Waste Ltd Cancelled Date: - Correspondence Address: Howley Lane, Howley, Warrington, Cheshire, WA1 2DN</p>
Not shown	1403.0	S	352138,396169	<p>Site Address: Merton Street, St Helens, Merseyside, WA9 1HU Type: Household, Commercial and Industrial transfer stations Size: →= 25000 tonnes ← 75000 tonnes Regis Licence Number: CEN002 Operator: Central Grange Environmental Waste Ltd Surrendered Date: - Waste Management licence No: 50362 Annual Tonnage: 0.0</p>	<p>Issue Date: 28/2/2005 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Centralgrange Environmental Waste Ltd Cancelled Date: - Correspondence Address: Merton Street, St Helens, Merseyside, WA9 1HU</p>
Not shown	1403.0	S	352138,396169	<p>Site Address: Merton Street, St Helens, Merseyside, WA9 1HU Type: Household, Commercial and Industrial transfer stations Size: →= 25000 tonnes ← 75000 tonnes Regis Licence Number: CEN002 Operator: Central Grange Environmental Waste Ltd Surrendered Date: - Waste Management licence No: 50362 Annual Tonnage: 74999.0</p>	<p>Issue Date: 28/2/2005 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Centralgrange Environmental Waste Ltd Cancelled Date: 0 Correspondence Address: Merton Street, St Helens, Merseyside, WA9 1HU</p>
Not shown	1430.0	S	352218,396163	<p>Site Address: 1, Merton Street, Merton Bank, St. Helens, Merseyside, WA9 1HX Type: Household, Commercial and Industrial transfer stations Size: ← 25000 tonnes Regis Licence Number: FAI008 Operator: Fairless David John Surrendered Date: - Waste Management licence No: 50383 Annual Tonnage: 0.0</p>	<p>Issue Date: 17/3/2005 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Merton Street Transfer Station Cancelled Date: - Correspondence Address: 55, Haresfinch View, Haresfinch, St. Helens, Merseyside, WA11 9LQ</p>
Not shown	1430.0	S	352218,396163	<p>Site Address: 1, Merton Street, Merton Bank, St. Helens, Merseyside, WA9 1HX Type: Household, Commercial and Industrial transfer stations Size: ← 25000 tonnes Regis Licence Number: FAI008 Operator: Fairless David John Surrendered Date: - Waste Management licence No: 50383 Annual Tonnage: 0.0</p>	<p>Issue Date: 17/3/2005 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Merton Street Transfer Station Cancelled Date: - Correspondence Address: David John Fairless, 55, Haresfinch View, Haresfinch, St. Helens, Merseyside, WA11 9LQ</p>
Not shown	1430.0	S	352218,396163	<p>Site Address: 1, Merton Street, Merton Bank, St. Helens, Merseyside, WA9 1HX Type: Household, Commercial and Industrial transfer stations Size: ← 25000 tonnes Regis Licence Number: FAI008 Operator: Fairless David John Surrendered Date: - Waste Management licence No: 50383 Annual Tonnage: 4999.0</p>	<p>Issue Date: 17/3/2005 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Merton Street Transfer Station Cancelled Date: 0 Correspondence Address: 55, Haresfinch View, Haresfinch, St. Helens, Merseyside, WA11 9LQ</p>

3. Current Land Use Map

 NW
 ←W

NE



E

SW

 S
 ↓

SE

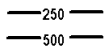
Current Land Use Legend


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Site Outline



Current Industrial Sites



Search Buffers (m)



Petrol & Fuel Sites



Underground High Pressure Oil & Fuel Pipelines

3. Current Land Uses

3.1 Current Industrial Data

Records of potentially contaminative industrial sites within 500m of the study site:

32

The following records are represented as points on the Current Land Uses map.

ID	Distance	Direction	Company	Address	Activity	Category
1	0.0	On Site	Electricity Transmission Line	-	Electrical Features	Infrastructure and facilities
2	20.0	W	Electricity Sub Station	-	Electrical Features	Infrastructure and facilities
3	20.0	NE	Pylon	-	Electrical Features	Infrastructure and facilities
4	44.0	NW	Pylon	-	Electrical Features	Infrastructure and facilities
5	145.0	S	Electricity Sub Station	-	Electrical Features	Infrastructure and facilities
6	160.0	NW	Pylon	-	Electrical Features	Infrastructure and facilities
7	179.0	S	British & American Retail Systems Ltd	1, Folds Lane, St. Helens, WA11 9NB	Office and Shop Equipment	Industrial Products
8	203.0	W	Electricity Sub Station	-	Electrical Features	Infrastructure and facilities
9	269.0	E	Electricity Transmission Line	-	Electrical Features	Infrastructure and facilities
10	280.0	SW	Gumshields4sport	60, Dearham Avenue, St. Helens, WA11 9NW	Hobby, Sports and Pastime Products	Consumer Products
11	318.0	S	Lyon Electrical	28, Dearham Avenue, St. Helens, WA11 9NW	Electrical Contractors	Construction Services
12	319.0	W	Pylon	-	Electrical Features	Infrastructure and facilities
13	329.0	SW	Electricity Sub Station	-	Electrical Features	Infrastructure and facilities
14	339.0	E	Pylon	-	Electrical Features	Infrastructure and facilities
15	351.0	W	Pipeline	-	Pipelines	Industrial Features
16	356.0	W	Electricity Transmission Line	-	Electrical Features	Infrastructure and facilities
17	366.0	NW	Heatons Pharmacy	21, Bassenthwaite Avenue, St. Helens, WA11 7AB	Chemists and Pharmacies	Health Practitioners and Establishments
18	366.0	SW	Tanks	-	Tanks (Generic)	Industrial Features
19	366.0	SW	Electricity Sub Station	-	Electrical Features	Infrastructure and facilities
20	368.0	N	Coach Master Executive Travel	19, Yewdale Avenue, St. Helens, WA11 7EY	Vehicle Hire and Rental	Hiring And Contract Services
21	400.0	SW	Tanks	-	Tanks (Generic)	Industrial Features
22	405.0	SW	Factory	-	Unspecified Works Or Factories	Industrial Features
23	409.0	N	Electricity Sub Station	-	Electrical Features	Infrastructure and facilities
24	416.0	NE	Electricity Sub Station	-	Electrical Features	Infrastructure and facilities
25	420.0	E	Ball Travel	40, Esthwaite Avenue, St. Helens, WA11 7HQ	Vehicle Hire and Rental	Hiring And Contract Services
26	427.0	S	Cosmetics Car & Refinishing	2 Laurel Court, Woodlands Road, St. Helens, WA11 9AY	Vehicle Repair and Servicing	Repair and Servicing
27	435.0	SW	Boc Gases	Washway Lane, St. Helens, WA10 6PA	Fuel Distributors and Suppliers	Household, Office, Leisure, and Garden
28	458.0	SW	Tanks	-	Tanks (Generic)	Industrial Features
29	462.0	NW	Electricity Sub Station	-	Electrical Features	Infrastructure and facilities

GroundSure Environmental Data Report Reference: EMS-54103_67521

30	480.0	SW	Nijman Zeetank International Transport Ltd	Washway Lane, St. Helens, WA10 6PE	Distribution and Haulage	Transport, Storage And Deliver
31	481.0	S	Electricity Sub Station	-	Electrical Features	Infrastructure and facilities
32	494.0	SE	Electricity Sub Station	-	Electrical Features	Infrastructure and facilities

3.2 Petrol and Fuel Sites

Records of petrol or fuel sites within 500m of the study site:
2

The following petrol or fuel site records provided by Catalist are represented as points on the Current Land Use map:

ID	Distance	Direction	NGR	Company	Address	LPG	Status
33	349.0	E	352151, 397538	Obsolete	East Lancashire Road, East Lancashire Road, Carr Mill, St Helens, Merseyside, WA10 4QJ	Not Applicable	Obsolete
34	492.0	S	351694, 397144	Texaco	Spar Haresfinch, 63, Haresfinch View, Haresfinch View, Washway Lane, Haresfinch, St Helens, Merseyside, WA11 9LQ	No	Open

3.3 Underground High Pressure Oil and Gas Pipelines

Records of underground pipelines within 500m of the study site:
0

Database searched and no data found.

4. Geology

4.1 Artificial Ground and Made Ground

Database searched and no data found.

The database has been searched on site, this includes a 50m buffer.

4.2 Superficial Ground and Drift Geology

The database has been searched on site, this includes a 50m buffer.

Distance (m)	Direction	Lex Code	Description	Rock Type
3.0	On Site	SSA-SAND	Shirdley Hill Sand Formation	Sand

(Derived from the BGS 1:50,000 Digital Geological Map of Great Britain)

4.3 Bedrock and Solid Geology

The database has been searched on site, this includes a 50m buffer.

Distance (m)	Direction	LEX Code	Description	Rock Type
0.0	On Site	OL-SDST	Old Lawrence Rock	Sandstone
0.0	On Site	PLCM-MDSS	Pennine Lower Coal Measures Formation	Mudstone, Siltstone And Sandstone

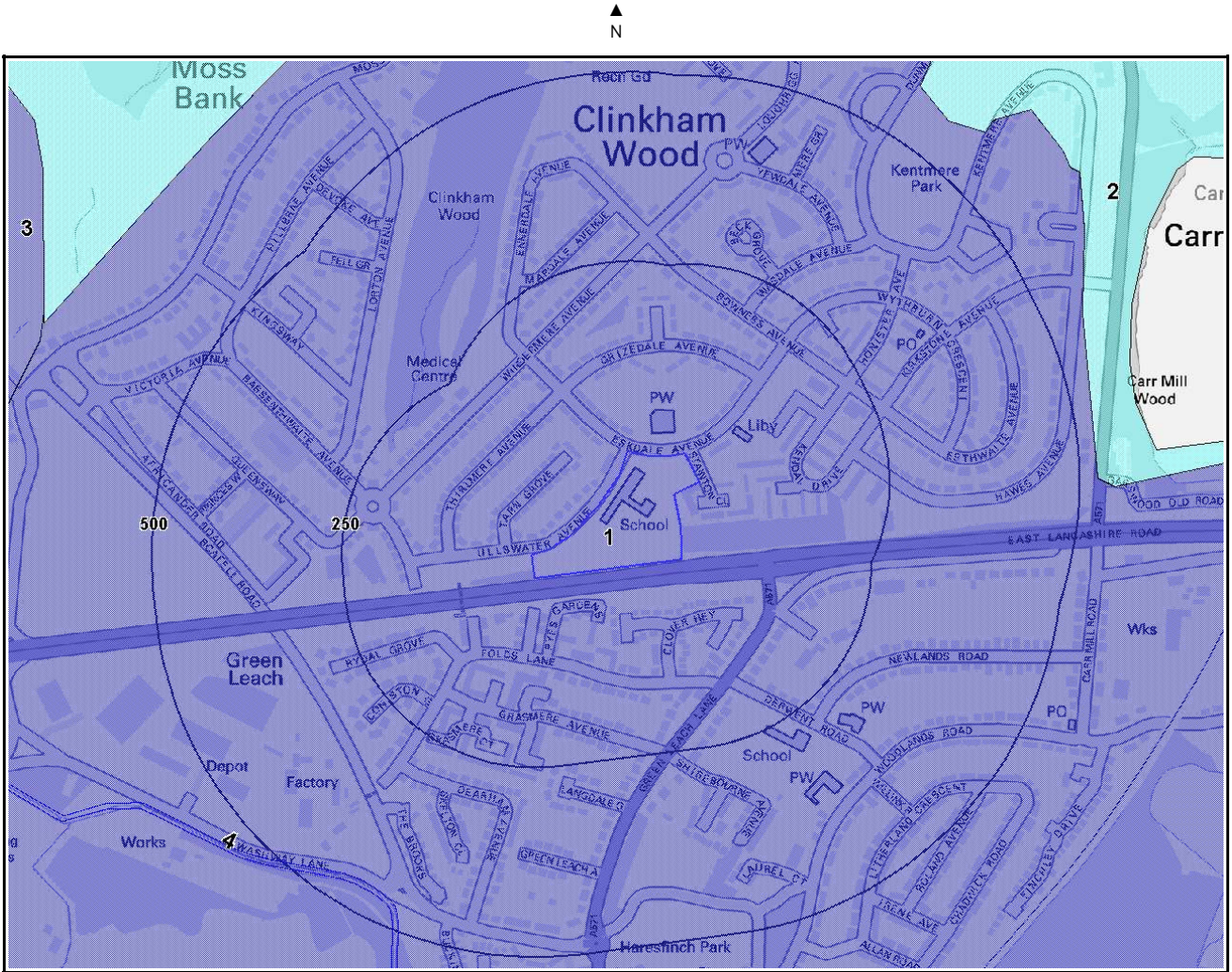
(Derived from the BGS 1:50,000 Digital Geological Map of Great Britain)

For more detailed geological and ground stability data please refer to the "GroundSure Geology and Ground Stability Report". Available from our website.

5. Hydrogeology and Hydrology: - Aquifer and Abstraction Licence Map

NW
←W

NE



→E

SW












S
↓

SE

Hydrogeology and Hydrology Legend



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- | | | | |
|---|---|---|-----------------------------------|
|  | Site Outline |  | Main River |
|  | Search Buffers (m) |  | Groundwater Abstraction Licence |
|  | Minor Aquifer - Low Leaching Potential |  | Surface Water Abstraction Licence |
|  | Minor Aquifer - Intermediate Leaching Potential | | |
|  | Minor Aquifer - High Leaching Potential | | |
|  | Major Aquifer - Low Leaching Potential | | |
|  | Major Aquifer - Intermediate Leaching Potential | | |
|  | Major Aquifer - High Leaching Potential | | |

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5b. Hydrogeology and Hydrology: - SPZ and Potable Water Abstraction Map

NW

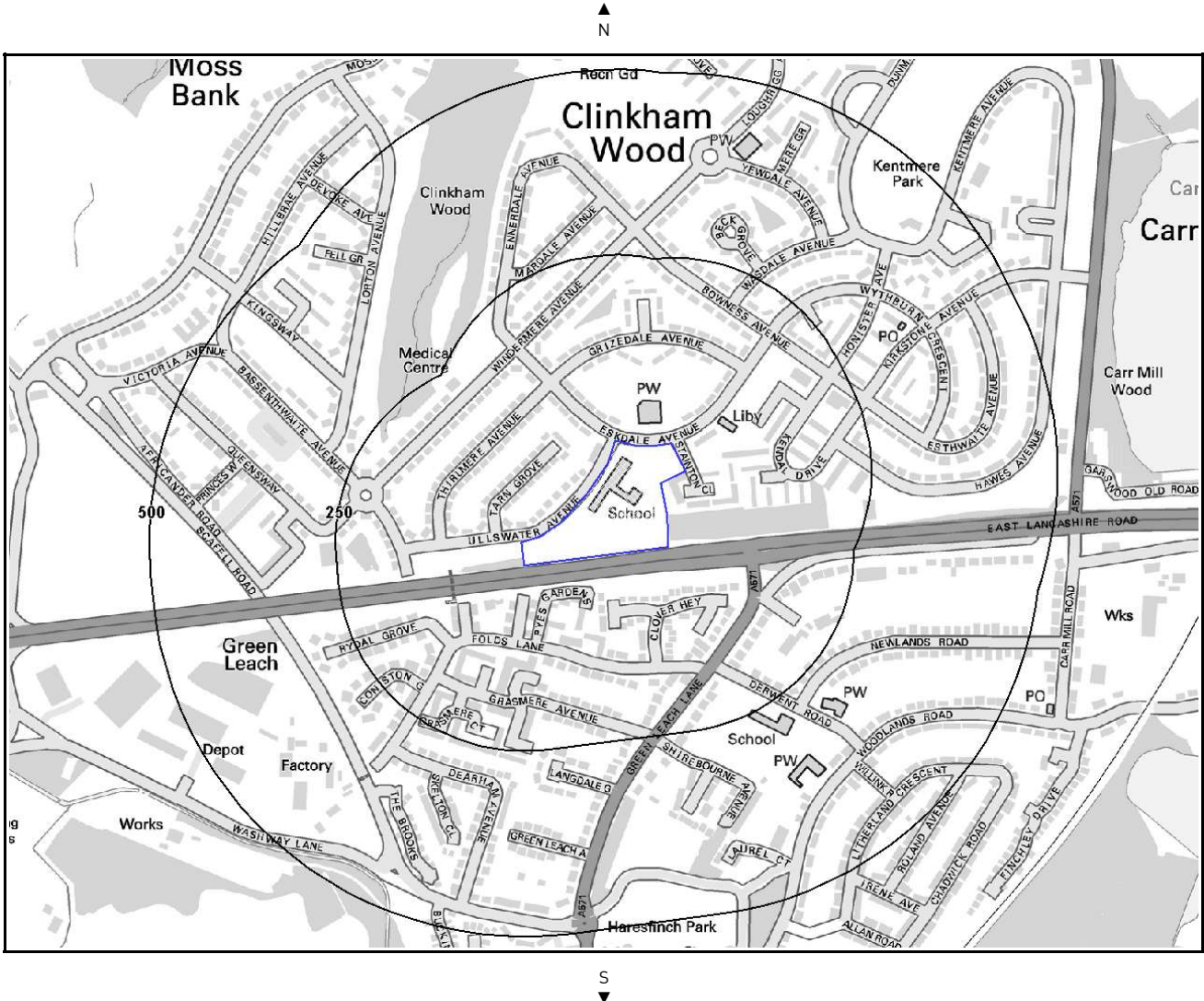
NE

W

E










SW

SE



Hydrogeology and Hydrology Legend


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- | | | | | | |
|---|--------------------|---|---|--|-----------------------------------|
|  | Site Outline |  | Source Protection Zone 1 - Inner Catchment |  | Potable Water Abstraction Licence |
|  | Search Buffers (m) |  | Source Protection Zone 2 - Outer Catchment | | |
|  | 100 |  | Source Protection Zone 3 - Total Catchment | | |
|  | 250 |  | Source Protection Zone 4 - Zone of Special Interest | | |

5. Hydrogeology and Hydrology

5.1 Groundwater Vulnerability and Soil Classification

Records of aquifer and soil classification within 200m of the study site:

Yes

The following groundwater information is represented as polygons on the Aquifer and Abstraction Licence Map:

ID	Distance	Direction	Classification
1	0.0	On Site	Minor Aquifer/High Leaching Potential

5.2 Groundwater Abstraction Licences

Are there any Groundwater Abstraction Licences within 2000m of the study site?

No

Database searched and no data found.

5.3 Surface Water Abstraction Licences

Are there any Surface Water Abstraction Licences within 1000m of the study site?

Yes

The following Surface Water Abstraction Licences records are represented as points, lines and regions on the Aquifer and Abstraction Licence Map:

ID	Distance	Direction	NGR	Details
Not shown	831.0	W	350200,397970	Licence No: 2569025057 Details: Spray Irrigation - Direct Direct Source: Surface, Non-tidal - North West Region Point: Rainford Brk At Windle Hall Farm & Pottery Farm, Rainford Data Type: Line Application No: Original Start Date: 15-Jul-1981 Expiry Date: 30-Dec-1899 Issue No: 100 Version Start Date: 17-Apr-1997 Version End Date: 01-Jan-1900
Not shown	831.0	W	350200,397970	Licence No: 2569025057 Details: Spray Irrigation - Direct Direct Source: Surface, Non-tidal - North West Region Point: Rainford Brk At Windle Hall Farm & Pottery Farm, Rainford Data Type: Line Application No: Original Start Date: 15-Jul-1981 Expiry Date: Issue No: 100 Version Start Date: 17-Apr-1997 Version End Date:
Not shown	831.0	W	350200,397970	Licence No: 2569025057 Details: Spray Irrigation - Direct Direct Source: Surface, Non-tidal - North West Region Point: Rainford Brk At Windle Hall Farm & Pottery Farm, Rainford Data Type: Line Application No: Original Start Date: 15-Jul-1981 Expiry Date: Issue No: 101 Version Start Date: 03-Aug-2004 Version End Date:
Not shown	831.0	W	350200,397970	Licence No: 2.56903e+009 Details: Spray Irrigation - Direct Direct Source: Surface, Non-tidal - North West Region Point: Rainford Brk At Windle Hall Farm & Pottery Farm, Rainford Data Type: Line Application No: Original Start Date: 15-Jul-1981 Expiry Date: Issue No: 100 Version Start Date: 17-Apr-1997 Version End Date:
Not shown	831.0	W	350200,397970	Licence No: 2569025057 Details: Spray Irrigation - Direct Direct Source: Surface, Non-tidal - North West Region Point: Rainford Brk At Windle Hall Farm & Pottery Farm, Rainford Data Type: Line Application No: Original Start Date: 15-Jul-1981 Expiry Date: 15-Jul-1981 Issue No: 100 Version Start Date: 15-Jul-1981 Version End Date: 15-Jul-1981

GroundSure Environmental Data Report Reference: EMS-54103_67521

Not shown	833.0	W	350200,397970	Licence No: 2569025057 Details: Spray Irrigation - Direct Direct Source: Surface, Non-tidal - North West Region Point: Rainford Brk At Windle Hall Farm & Pottery Farm, Rainford Data Type: Line	Application No: Original Start Date: 15-Jul-1981 Expiry Date: Issue No: 101 Version Start Date: 03-Aug-2004 Version End Date:
Not shown	833.0	W	350200,397970	Licence No: 2569025057 Details: Spray Irrigation - Direct Direct Source: Surface, Non-tidal - North West Region Point: Rainford Brk At Windle Hall Farm & Pottery Farm, Rainford Data Type: Line	Application No: Original Start Date: 15-Jul-1981 Expiry Date: Issue No: 101 Version Start Date: 03-Aug-2004 Version End Date:

5.4 Source Protection Zones

Are there any Source Protection Zones within 500m of the study site? **No**

Database searched and no data found.

5.5 Potable Water Abstraction Licences

Are there any Potable Water Abstraction Licences within 2000m of the study site? **No**

Database searched and no data found.

5.6 River Quality

Is there any Environment Agency information on river quality within 500m of the study site? **Yes**

The following river quality records are not represented on mapping:

Distance	Direction	River	Reach	Chemical Grade	Biological Grade
467.0	SW	Rainford Bk	D/s A580 To Sankey Bk.	D	0

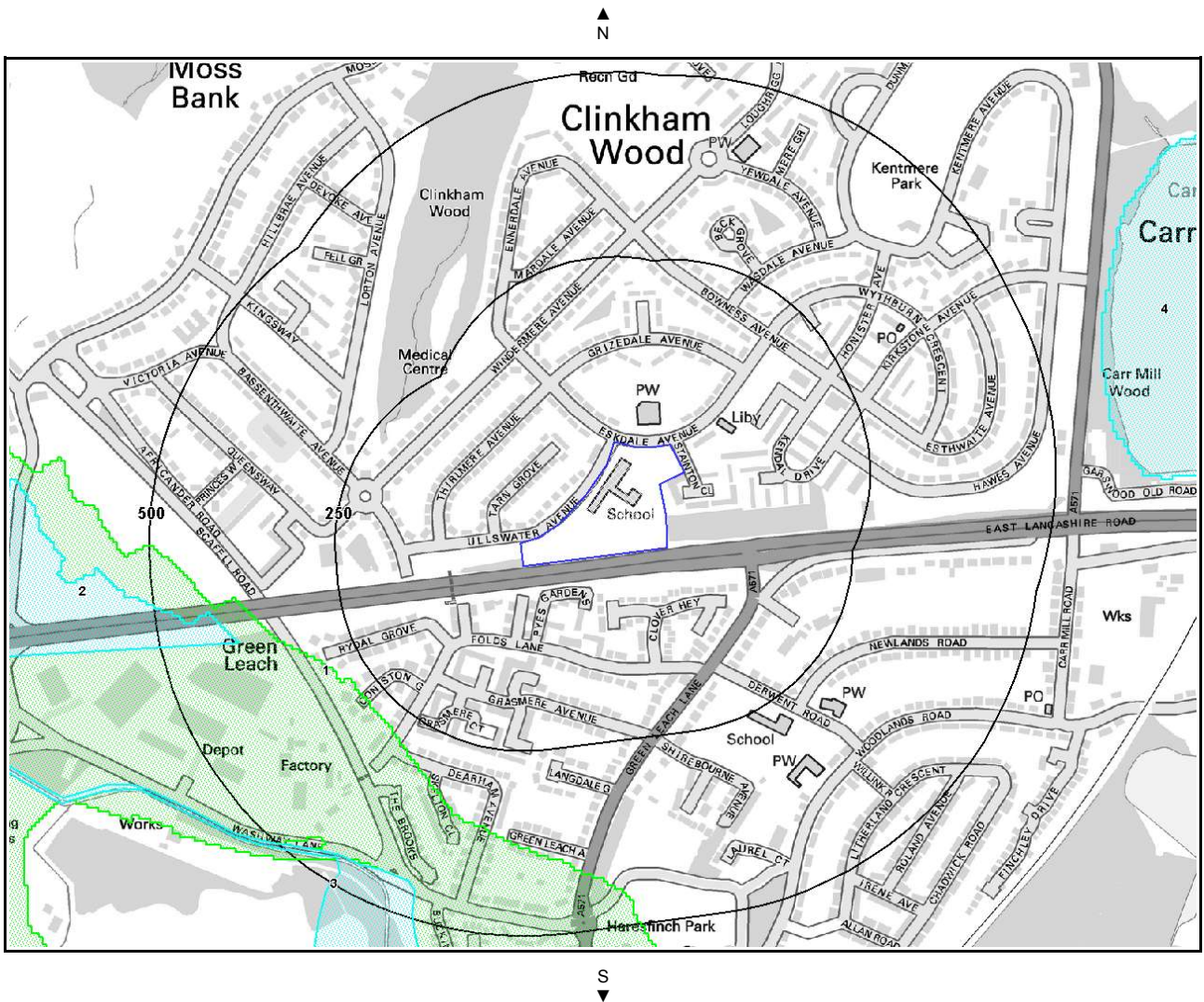
5.7 Main Rivers

Are there any Main Rivers within 500m of the study site? **Yes**



The following main river records are represented on the Aquifer and Abstractions Map:

ID	Distance	Direction
4	462.0	SW

6. Surface Water Flood Map



Flood Legend

-  Site Outline
-  Search Buffers (m)

-  Zone 2 Floodplain
-  Zone 3 Floodplain
-  Flood Storage Area
-  Area Benefiting from Flood Defences
-  Flood Defences



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6. Flooding

6.1 Zone 2 Flooding

Zone 2 floodplain estimates the annual probability of flooding as one in one thousand (0.1%) or greater from rivers and the sea but less than 1% from rivers or 0.5% from the sea. Alternatively, where information is available they may show the highest known flood level.

Is the site within 250m of an Environment Agency indicative Zone 2 floodplain? **No**

Guidance: More detailed information may be available from the Environment Agency through their floodline (0845 988 1188) or by ordering an Environment Agency Flood Report from the local Environment Agency Office.

Database searched and no data found.

6.2 Zone 3 Flooding

Zone 3 estimates the annual probability of flooding as one in one hundred (1%) or greater from rivers and a one in two hundred (0.5%) or greater from the sea. Alternatively, where information is available they may show the highest known flood level.

Is the site within 250m of an Environment Agency indicative Zone 3 floodplain? **No**

Guidance: More detailed information may be available from the Environment Agency through their floodline (0845 988 1188) or by ordering an Environment Agency Flood Report from the local Environment Agency Office.

Database searched and no data found.

6.3 Areas benefiting from Flood Defences

Are there any areas benefiting from Flood Defences within 250m of the study site? **No**

Guidance: More detailed information may be available from the Environment Agency through their floodline (0845 988 1188) or by ordering an Environment Agency Flood Report from the local Environment Agency Office.

6.4 Areas used for Storage Areas

Are there any areas used for Flood Storage within 250m of the study site? **No**

Guidance: More detailed information may be available from the Environment Agency through their floodline (0845 988 1188) or by ordering an Environment Agency Flood Report from the local Environment Agency Office.

6.5. Groundwater Flooding Susceptibility Areas

Are there any British Geological Survey groundwater flooding susceptibility flood areas within 50m of the centre of the study site? **Yes**

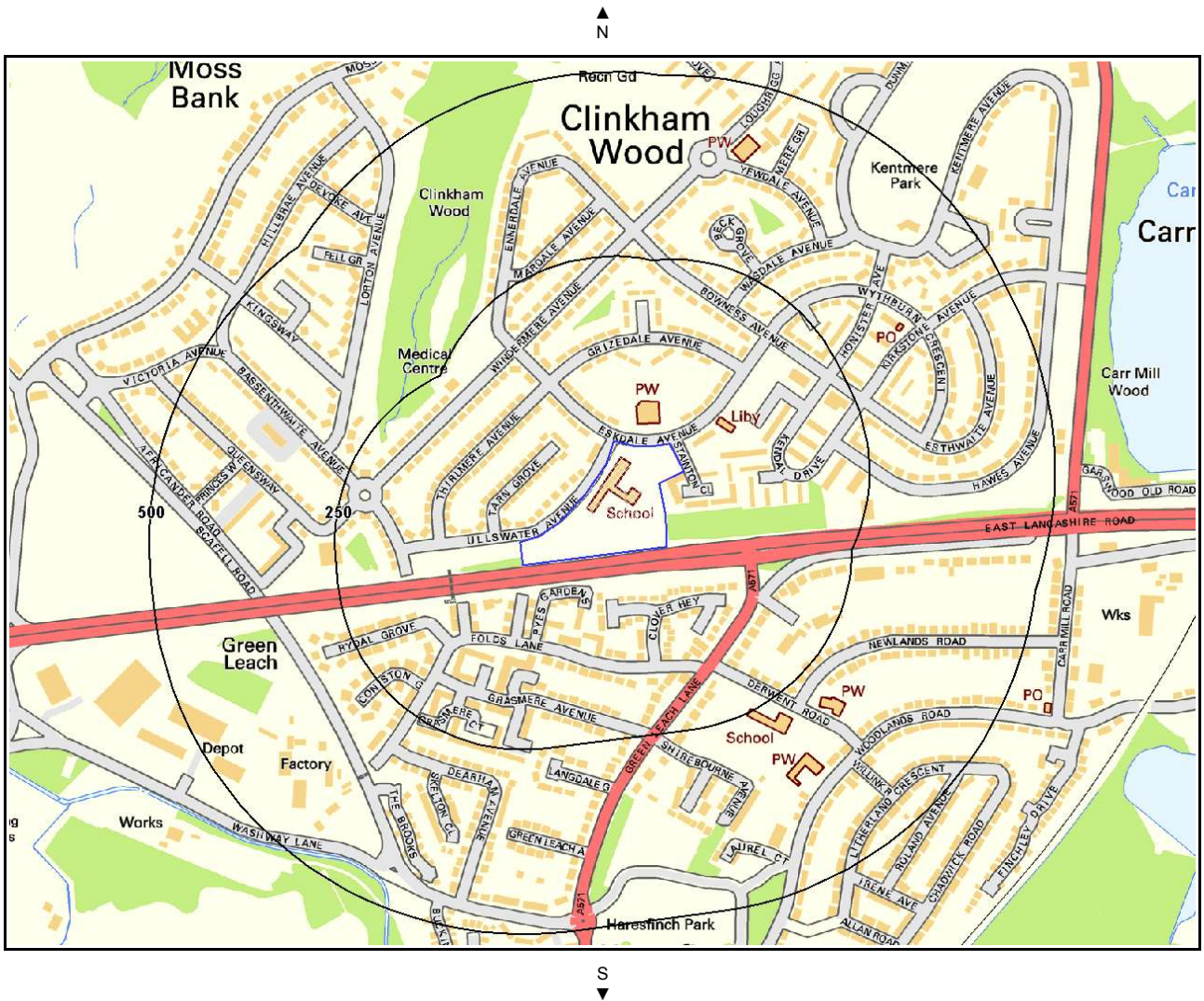
What is the highest susceptibility to groundwater flooding in the search area based on the underlying geological conditions? **Moderate**

Notes:

Groundwater flooding is defined as the emergence of groundwater at the ground surface or the rising of groundwater into man-made ground under conditions where the normal range of groundwater levels is exceeded.

The confidence rating is on a fivefold scale - Low, Moderately Low, Moderate, Moderately High and High. This provides a relative indication of the BGS confidence in the accuracy of the susceptibility result for groundwater flooding. This is based on the amount and precision of the information used in the assessment. In areas with a relatively lower level of confidence the susceptibility result should be treated with more caution. In other areas with higher levels of confidence the susceptibility result can be used with more confidence.

7. Ecological Designated Sites Map



Ecological Designated Sites Legend



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 Site Outline	 SAC	 SSSI	 NNR	 World Heritage Sites
 100 Search Buffers (m)	 SPA	 Ramsar	 LNR	
 250 Search Buffers (m)				

7 Ecological Designated Sites

Presence of sites of ecological value within 1000m of the study site?	No
<hr/>	
Records of Sites of Special Scientific Interest (SSSI) within 1000m of the study site:	0
Database searched and no data found.	
<hr/>	
Records of National Nature Reserves (NNR) within 1000m of the study site:	0
Database searched and no data found.	
<hr/>	
Records of Special Areas of Conservation (SAC) within 1000m of the study site:	0
Database searched and no data found.	
<hr/>	
Records of Special Protection Areas (SPA) within 1000m of the study site:	0
Database searched and no data found.	
<hr/>	
Records of Ramsar sites within 1000m of the study site:	0
Database searched and no data found.	
<hr/>	
Records of Local Nature Reserves (LNR) within 1000m of the study site:	0
Database searched and no data found.	
<hr/>	
Records of World Heritage Sites within 1000m of the study site:	0
Database searched and no data found.	

8. Natural Hazards Findings

8.1 Detailed BGS GeoSure Data

BGS GeoSure Data has been searched to 50m. The data is included in tabular format. If you require further information, please obtain a GroundSure Geology and Ground Stability Report. Available from our website. The following information has been found:

8.1.1 Shrink Swell

What is the maximum Shrink-Swell* hazard rating identified on the study site? **Very Low**

8.1.2 Landslides

What is the maximum Landslide* hazard rating identified on the study site? **Very Low**

8.1.3 Soluble Rocks

What is the maximum Soluble Rocks* hazard rating identified on the study site? **Null - Negligible**

8.1.4 Compressible Ground

What is the maximum Compressible Ground* hazard rating identified on the study site? **Negligible**

8.1.5 Collapsible Rocks

What is the maximum Collapsible Rocks* hazard rating identified on the study site? **Null - Negligible**

8.1.6 Running Sand

What is the maximum Running Sand* hazard rating identified on the study site? **Low**

9. Mining

9.1 Coal Mining

Are there any coal mining areas within 75m of the study site? **Yes**

The following coal mining information provided by the Coal Authority is not represented on Mapping:

Distance	Direction	Details
0.0	On Site	The study site is located within the specified search distance of an identified mining area. Further details concerning this can be obtained from the Coal Authority Helpline on 0845 762 6848.

9.2 Shallow Mining

What is the hazard of subsidence relating to shallow mining onsite? (this includes a 150m buffer) **Low-Moderate**

10. Contacts

GroundSure Helpline

Telephone: 01273 819700
mapsandinfo@groundsure.com



British Geological Survey (England & Wales)

Kingsley Dunham Centre
Keyworth, Nottingham NG12 5GG
Tel: 0115 936 3143. Fax: 0115 936 3136. www.bgs.ac.uk
BGS Geological Hazards Reports and general geological enquiries



Environment Agency

Southern
Appleton House - 430 Birchwood Boulevard, Birchwood, Warrington,
WA3 7WD Tel: (01925) 840 000
North West Region Tel: (01925) 653999



The Coal Authority

200 Lichfield Lane, Mansfield, Notts NG18 4RG
Tel: 0845 762 6848. DX 716176 Mansfield 5
www.coal-authority.co.uk
Coal mining reports and related enquiries



Ordnance Survey

Romsey Road
Southampton SO16 4GU
Tel: 08456 050505



Local Authority

St Helens Borough Council Tel:

Get Mapping PLC

Virginia Villas, High Street, Hartley Witney, Hampshire RG27 8NW
Tel: 01252 845444



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