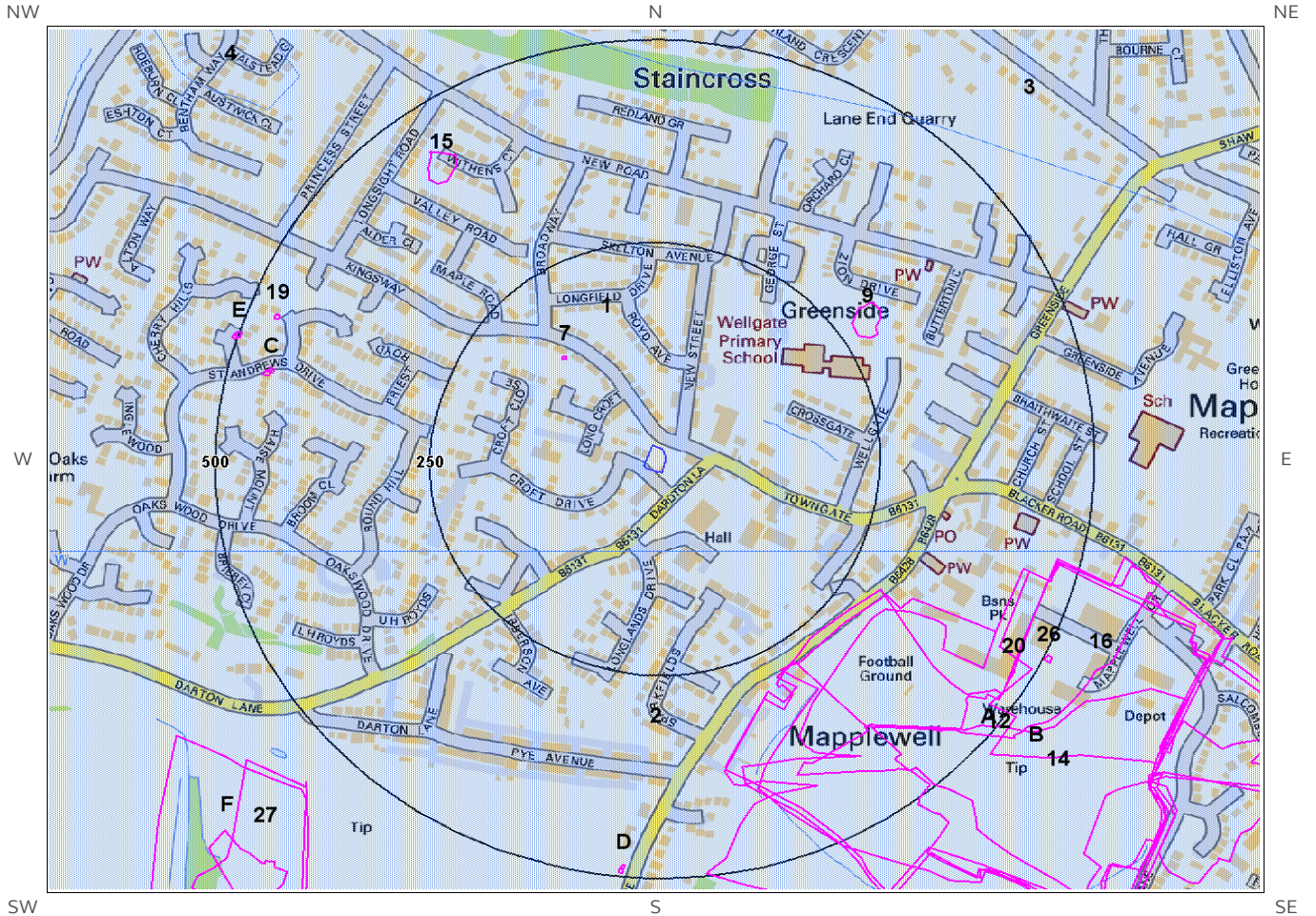




5 Mining, Extraction & Natural Cavities Map



Mining, Extraction and Natural Cavities Legend

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5 Mining, Extraction & Natural Cavities

5.1 Historical Mining

This dataset is derived from Groundsure unique Historical Land-use Database that are indicative of mining or extraction activities.

Are there any Historical Mining areas within 1000m of the study site boundary? Yes

The following Historical Mining information is provided by Groundsure:

ID	Distance (m)	Direction	NGR	Details	Date
7	147.0	NW	432574 410238	Unspecified Old Shaft	1948
8A	267.0	SE	433045 409764	Colliery	1951
9	267.0	NE	432927 410285	Old Coal Pit	1904
10A	279.0	SE	433072 409770	Unspecified Mine	1973
11B	280.0	SE	433106 409763	Colliery	1948
12	304.0	SE	433089 409690	Colliery	1982
13B	392.0	SE	433145 409753	Colliery	1904
14	393.0	SE	433115 409695	Colliery	1891
15	404.0	NW	432432 410473	Old Coal Pit	1904
16	444.0	E	433207 409865	Unspecified Mine	1966
17C	447.0	W	432232 410223	Unspecified Levels	1951
18C	450.0	W	432226 410220	Unspecified Levels	1948
19	462.0	W	432239 410289	Unspecified Levels	1948
20	476.0	SE	433098 409852	Unspecified Shaft	1951
21D	485.0	S	432642 409611	Air Shaft	1951
22D	490.0	S	432640 409606	Air Shaft	1904
23D	490.0	S	432640 409606	Air Shaft	1948
24E	497.0	W	432194 410267	Unspecified Levels	1951
25E	500.0	W	432190 410265	Unspecified Levels	1948
26	502.0	SE	433139 409867	Unspecified Shaft	1948

ID	Distance (m)	Direction	NGR	Details	Date
27	554.0	SW	432209 409473	Disused Colliery	1951
28F	564.0	SW	432182 409633	Colliery	1948
Not shown	607.0	SW	432373 409569	Air Shaft	1951
Not shown	611.0	SW	432370 409566	Air Shaft	1948
Not shown	611.0	SW	432370 409566	Air Shaft	1904
32F	650.0	SW	432205 409595	Colliery	1904
Not shown	735.0	W	431929 410083	Unspecified Levels	1951
Not shown	841.0	W	431826 410208	Unspecified Level	1951
Not shown	844.0	W	431823 410205	Unspecified Level	1948
Not shown	851.0	W	431805 410121	Unspecified Levels	1951

5.2 Coal Mining

This dataset provides information as to whether the study site lies within a known coal mining affected area as defined by the coal authority.

Are there any Coal Mining areas within 1000m of the study site boundary? Yes

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

Distance (m)	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.

5.3 Johnson Poole and Bloomer

This dataset provides information as to whether the study site lies within an area where JPB hold information relating to mining.

Are there any JPB Mining areas within 1000m of the study site boundary? No

The following information provided by JPB is not represented on mapping: Database searched and no data found.

This dataset provides information as to whether the study site lies within an area which may have been subject to non-coal historic mining.

Are there any Non-Coal Mining areas within 1000m of the study site boundary? Yes

The following non-coal mining information is provided by the BGS:

ID	Distance (m)	Direction	Name	Commodity	Assessment of likelihood
1	0.0	On Site	Not available	Iron Ore (Bedded)	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
2	97.0	S	Not available	Iron Ore (Bedded)	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
3	462.0	N	Sheffield Area	Vein Mineral/Iron ore	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
4	611.0	NW	Sheffield Area	Vein Mineral/Iron ore	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
Not shown	847.0	NW	Sheffield Area	Vein Mineral/Iron ore	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
Not shown	940.0	SE	Sheffield Area	Vein Mineral/Iron ore	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered

5.5 Non-Coal Mining Cavities

This dataset provides information from the Peter Brett Associates (PBA) mining cavities database (compiled for the national study entitled “Review of mining instability in Great Britain, 1990” PBA has also continued adding to this database) on mineral extraction by mining.

Are there any Non-Coal Mining cavities within 1000m of the study site boundary? No

Database searched and no data found.

5.6 Natural Cavities

This dataset provides information based on Peter Brett Associates natural cavities database.

Are there any Natural Cavities within 1000m of the study site boundary? No

Database searched and no data found.

5.7 Brine Extraction

This data provides information from the Coal Authority issued on behalf of the Cheshire Brine Subsidence Compensation Board.

Are there any Brine Extraction areas within 1000m of the study site boundary? No

Database searched and no data found.

5.8 Gypsum Extraction

This dataset provides information on Gypsum extraction from British Gypsum records.

Are there any Gypsum Extraction areas within 1000m of the study site boundary? No

Database searched and no data found.

5.9 Tin Mining

This dataset provides information on tin mining areas and is derived from tin mining records. This search is based upon postcode information to a sector level..

Are there any Tin Mining areas within 1000m of the study site boundary? No

Database searched and no data found.

5.10 Clay Mining

This dataset provides information on Kaolin and Ball Clay mining from relevant mining records.

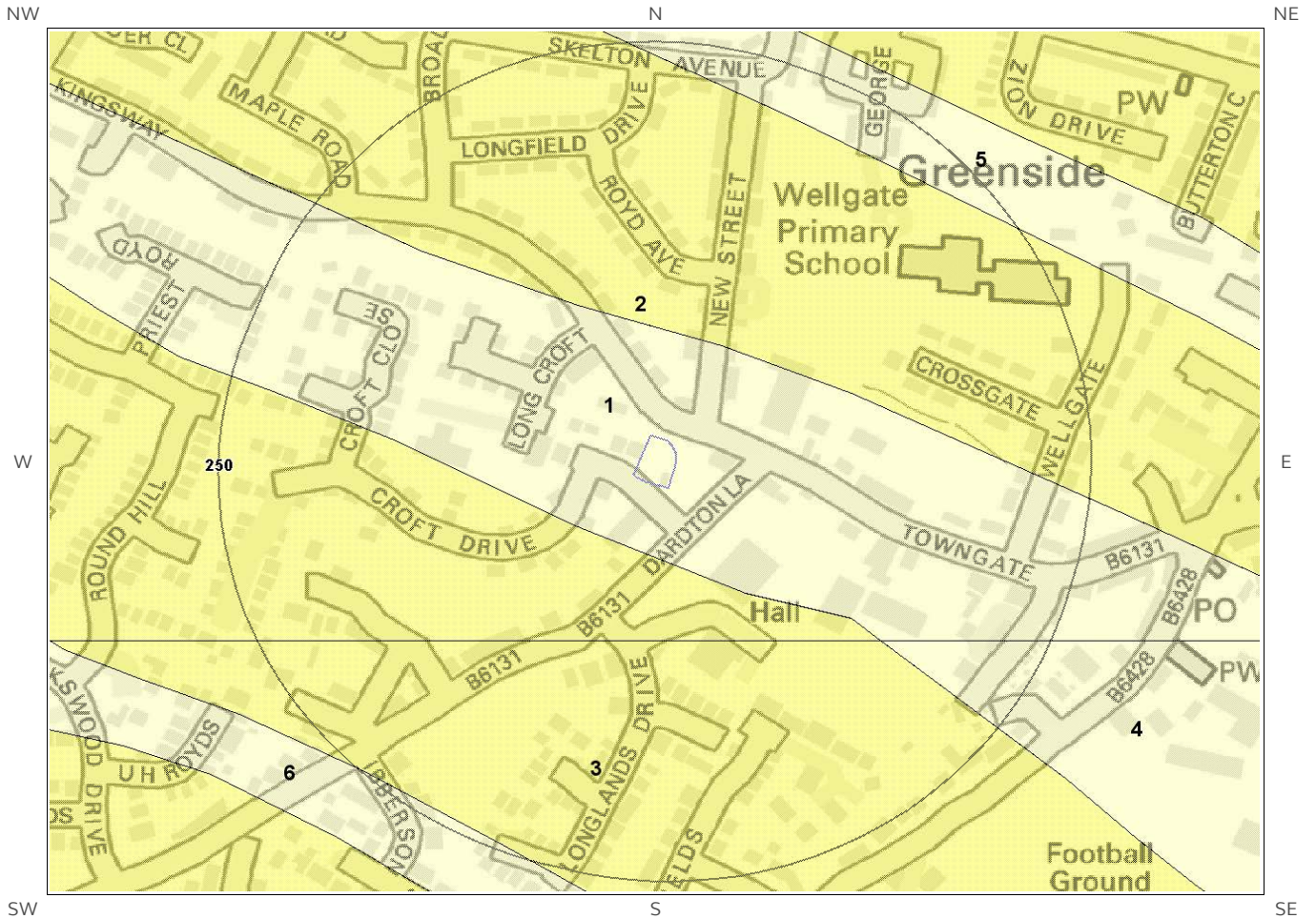
Are there any Clay Mining areas within 1000m of the study site boundary? No

Database searched and no data found.



6 Natural Ground Subsidence

6.1 Shrink-Swell Clay Map



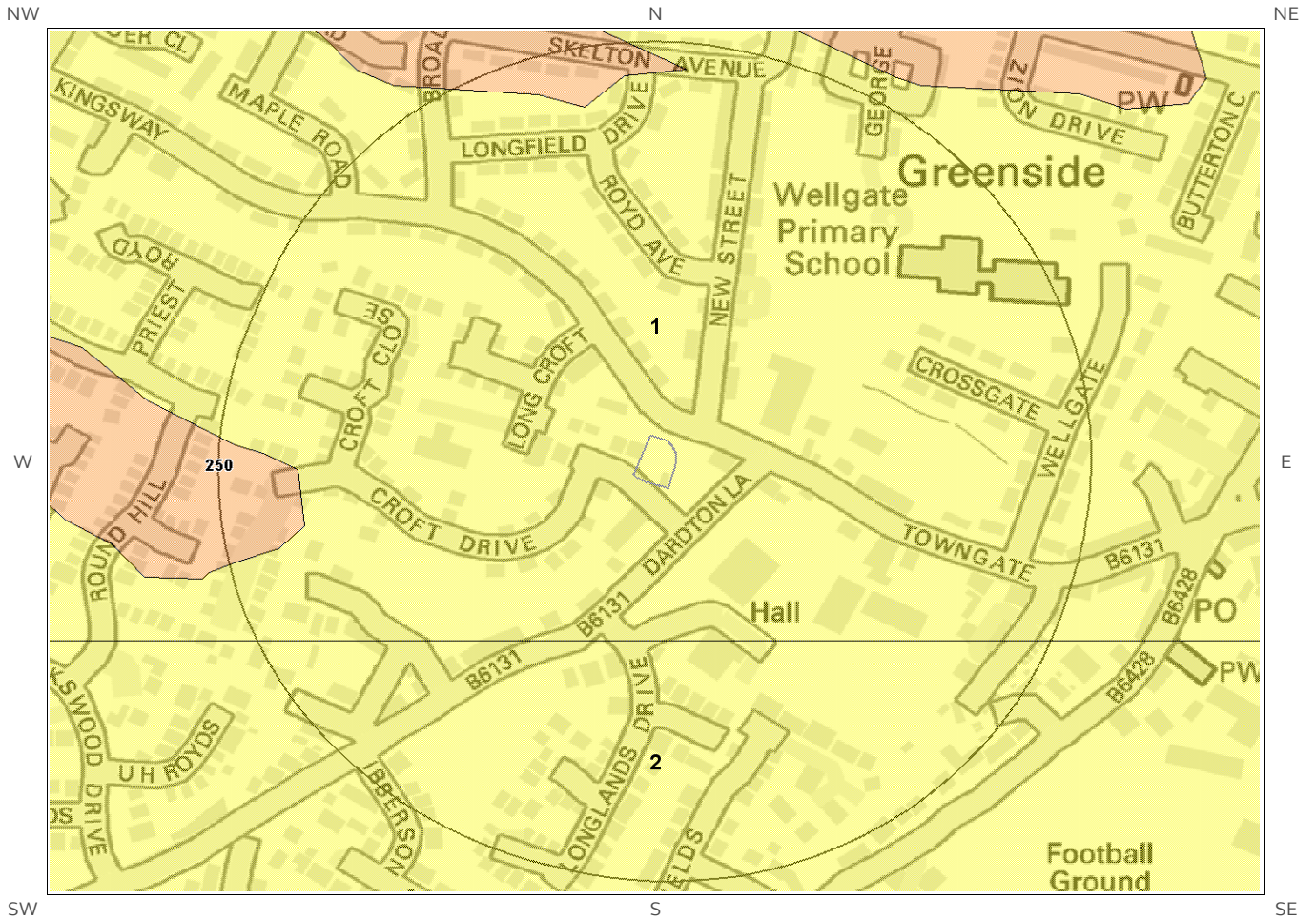
Shrink Swell Clay Legend

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6.2 Landslides Map



Landslides Legend

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6.3 Ground Dissolution of Soluble Rocks Map



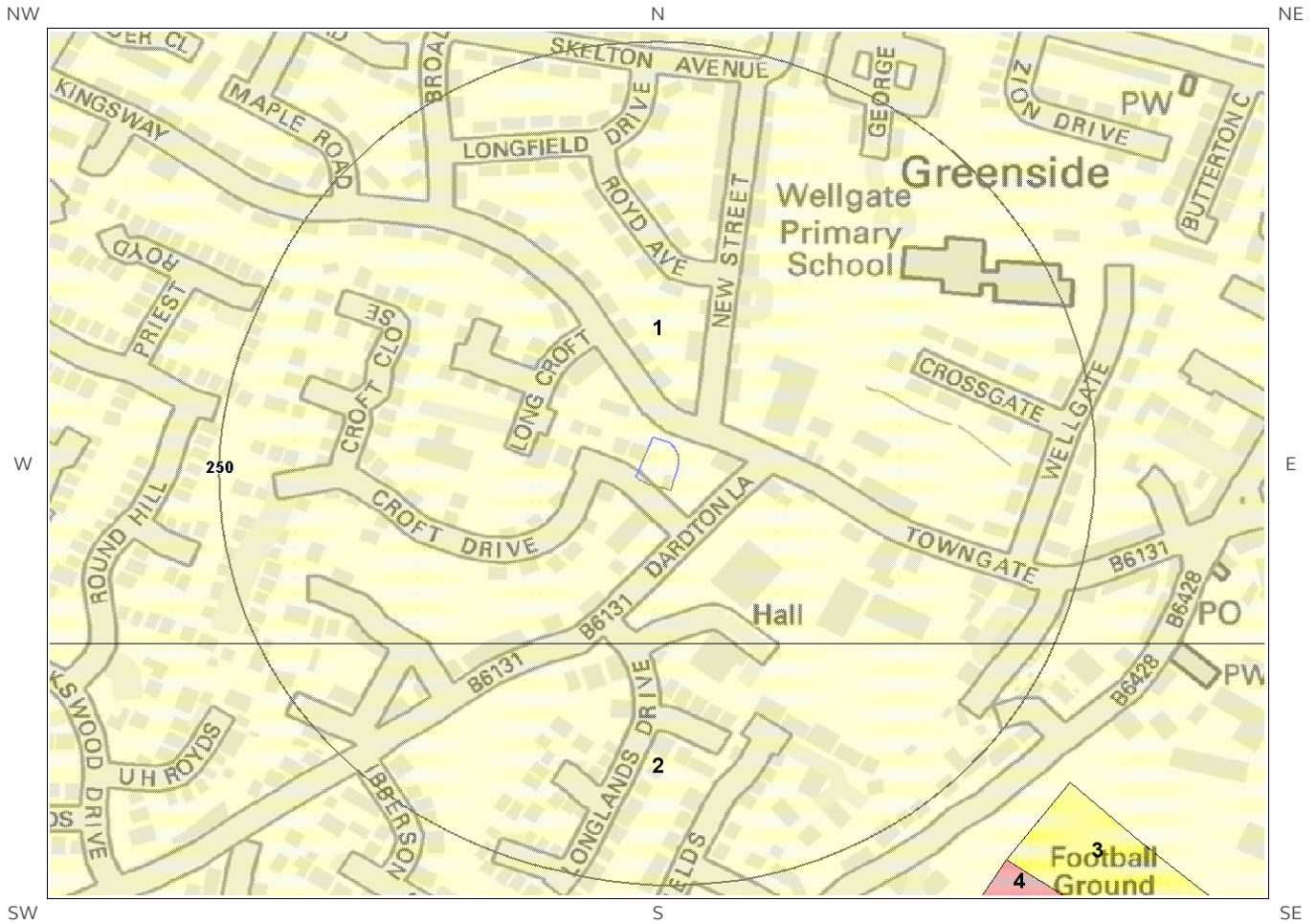
Ground Dissolution Soluble Rocks Legend

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6.4 Compressible Deposits Map



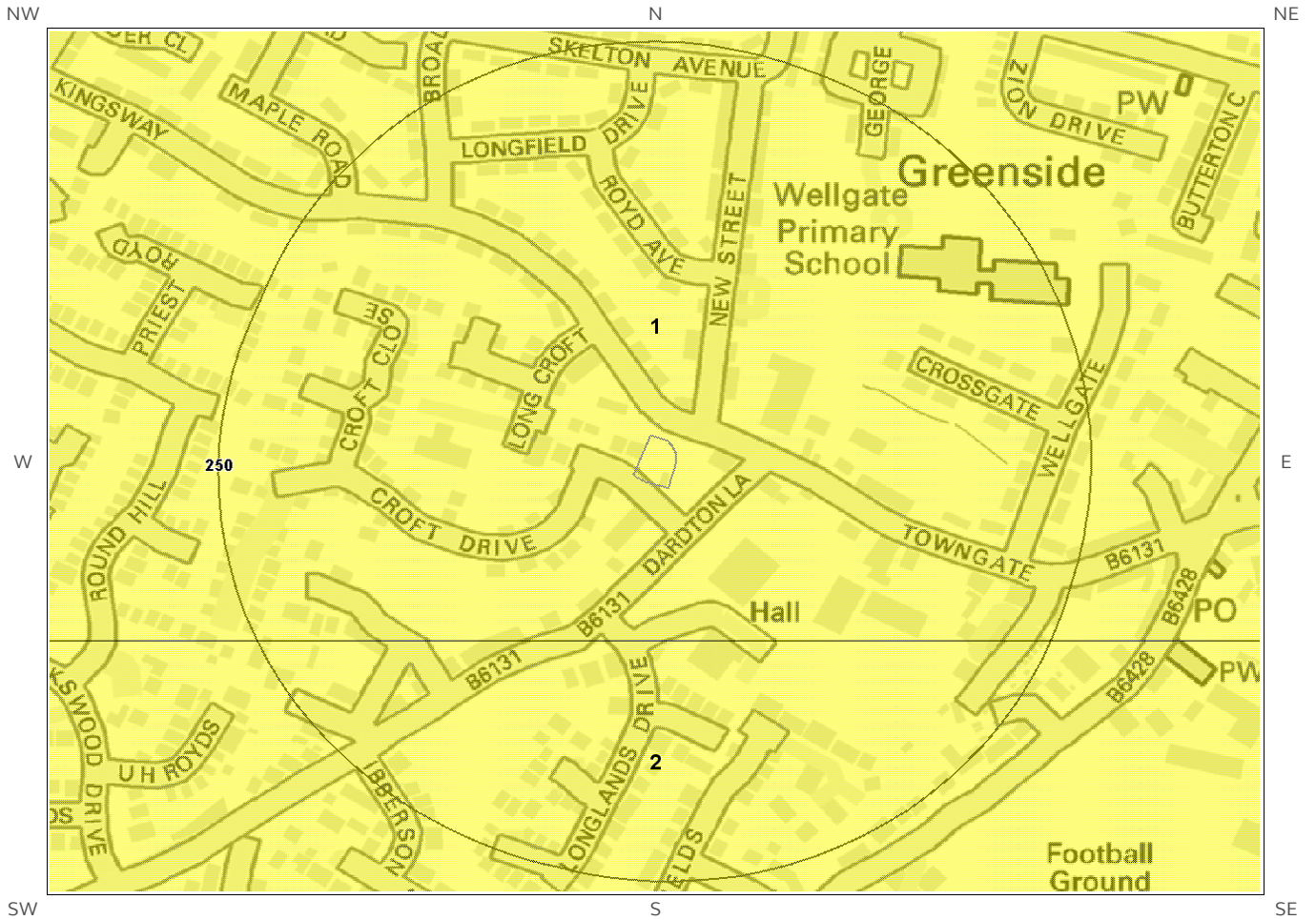
Compressible Deposits Legend

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6.5 Collapsible Deposits Map



Collapsible Deposits Legend

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6.6 Running Sand Map



Running Sand Legend

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6 Natural Ground Subsidence

The National Ground Subsidence rating is obtained through the 6 natural ground stability hazard datasets, which are supplied by the British Geological Survey (BGS).

The following GeoSure data represented on the mapping is derived from the BGS Digital Geological map of Great Britain at 1:50,000 scale.

What is the maximum hazard rating of natural subsidence within the study site** boundary? Low

6.1 Shrink-Swell Clays

The following Shrink Swell information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Negligible	Ground conditions predominantly non-plastic. No special actions required to avoid problems due to shrink-swell clays. No special ground investigation required, and increased construction costs or increased financial risks are unlikely likely due to potential problems with shrink-swell clays.
2	42.0	SW	Very Low	Ground conditions predominantly low plasticity. No special actions required to avoid problems due to shrink-swell clays. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with shrink-swell clays.

6.2 Landslides

The following Landslides information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Very Low	Slope instability problems are unlikely to be present. No special actions required to avoid problems due to landslides. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with landslides.

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

6.3 Ground Dissolution of Soluble Rocks

The following Ground Dissolution information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Negligible	Soluble rocks are present, but unlikely to cause problems except under exceptional conditions. No special actions required to avoid problems due to soluble rocks. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with soluble rocks.

6.4 Compressible Deposits

The following Compressible Deposits information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Negligible	No indicators for compressible deposits identified. No special actions required to avoid problems due to compressible deposits. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with compressible deposits.

6.5 Collapsible Deposits

The following Collapsible Rocks information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Very Low	Deposits with potential to collapse when loaded and saturated are unlikely to be present. No special ground investigation required or increased construction costs or increased financial risk due to potential problems with collapsible deposits.

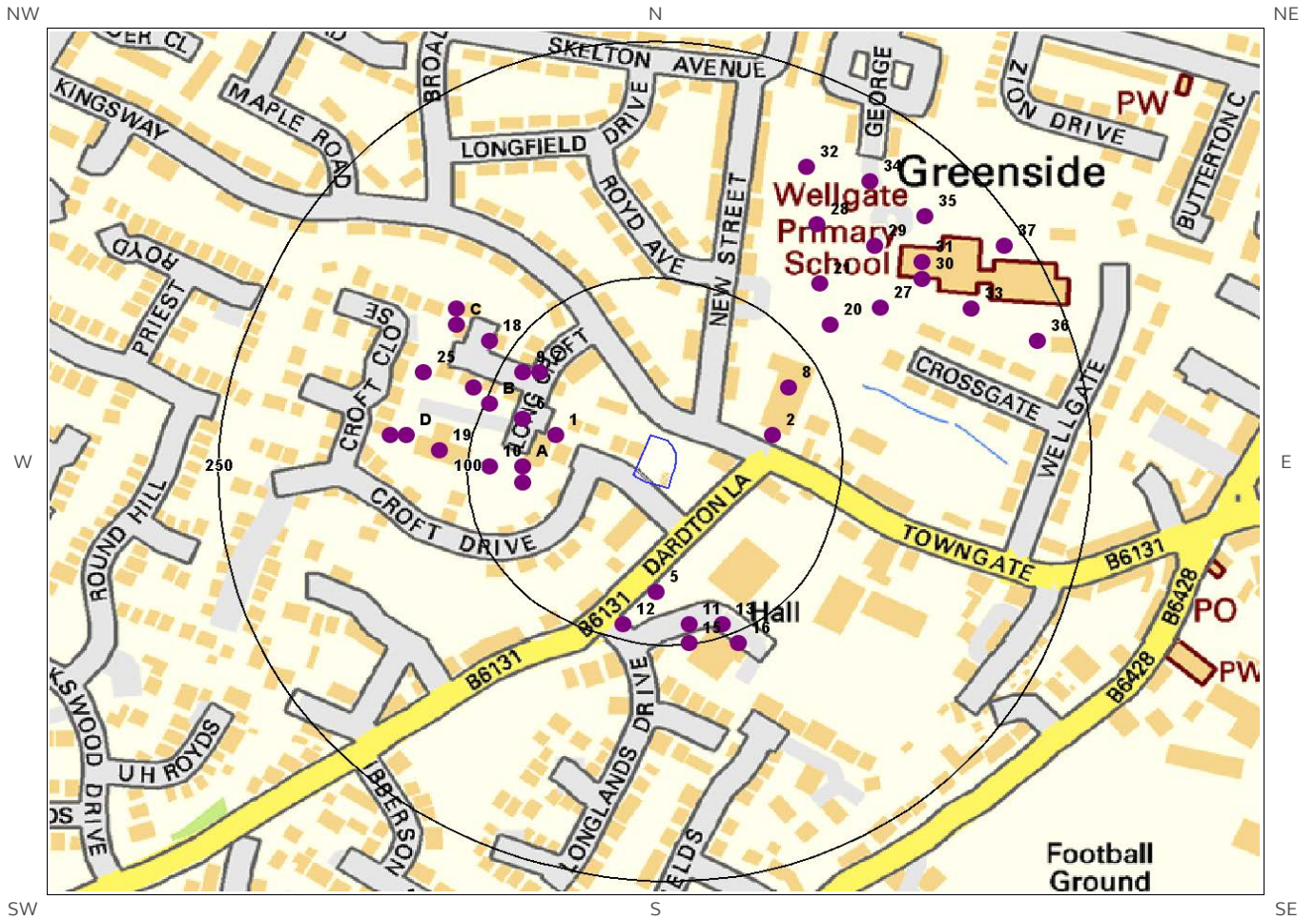
6.6 Running Sands

The following Running Sands information provided by the British Geological Survey:

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Low	Possibility of running sand problems after major changes in ground conditions. Normal maintenance to avoid leakage of water-bearing services or water bodies (ponds, swimming pools) should reduce likelihood of problems due to running sand. For new build - consider possibility of running sand into trenches or excavations if water table is high or sandy strata are exposed to water. Avoid concentrated water inputs to site. Unlikely to be an increase in construction costs due to potential for running sand. For existing property - no significant increase in insurance risk due to running sand problems is likely.
2	1.0	SW	Negligible	No indicators for running sand identified. No special actions required to avoid problems due to running sand. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with running sand.

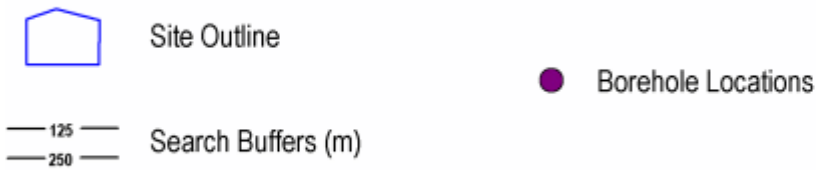


7 Borehole Records Map



Borehole Records Legend

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7 Borehole Records

The systematic analysis of data extracted from the BGS Borehole Records database provides the following information.

Records of boreholes within 250m of the study site boundary:

37

ID	Distance (m)	Direction	NGR	BGS Reference	Drilled Length	Borehole Name
1	53.0	W	432620 410130	SE31SW419	-1.0	KINGSWAY MAPPLEWELL BARNLEY TP 7
2	59.0	E	432750 410130	SE31SW237	3.05	STAINCROSS HEALTH CENTRE B
3A	67.0	W	432600 410110	SE31SW427	-1.0	KINGSWAY MAPPLEWELL BARNLEY 4
4A	67.0	W	432600 410100	SE31SW420	-1.0	KINGSWAY MAPPLEWELL BARNLEY TP 8
5	67.0	S	432680 410030	SE31SW290	3.05	STAINCROSS HEALTH CENTRE 2
6	75.0	W	432600 410140	SE31SW418	-1.0	KINGSWAY MAPPLEWELL BARNLEY TP 6
7	78.0	NW	432610 410170	SE31SW413	-1.0	KINGSWAY MAPPLEWELL BARNLEY TP 1
8	79.0	NE	432760 410160	SE31SW236	3.05	STAINCROSS HEALTH CENTRE A
9	87.0	NW	432600 410170	SE31SW424	-1.0	KINGSWAY MAPPLEWELL BARNLEY 1
10	87.0	W	432580 410110	SE31SW421	-1.0	KINGSWAY MAPPLEWELL BARNLEY TP 9
11	87.0	S	432700 410010	SE31SW291	2.36	STAINCROSS HEALTH CENTRE 3
12	91.0	S	432660 410010	SE31SW289	3.05	STAINCROSS HEALTH CENTRE 1
13	92.0	S	432720 410010	SE31SW292	3.66	STAINCROSS HEALTH CENTRE 5
14B	97.0	W	432580 410150	SE31SW428	-1.0	KINGSWAY MAPPLEWELL BARNLEY 5
15	99.0	S	432700 409998	SE30NW546	6.1	STAINCROSS HEALTH CENTRE 4
16	107.0	SE	432730 409998	SE30NW547	3.66	STAINCROSS HEALTH CENTRE 6
17B	110.0	W	432570 410160	SE31SW417	-1.0	KINGSWAY MAPPLEWELL BARNLEY TP 5
18	114.0	NW	432580 410190	SE31SW414	-1.0	KINGSWAY MAPPLEWELL BARNLEY TP 2
19	118.0	W	432550 410120	SE31SW422	-1.0	KINGSWAY MAPPLEWELL BARNLEY TP 10
20	122.0	NE	432785 410200	SE31SW274	3.0	DARTON MAPPLEWELL SITE 19
21	135.0	NE	432779 410226	SE31SW271	3.0	DARTON MAPPLEWELL SITE 16
22C	136.0	NW	432560 410200	SE31SW425	-1.0	KINGSWAY MAPPLEWELL BARNLEY 2

ID	Distance (m)	Direction	NGR	BGS Reference	Drilled Length	Borehole Name
23D	139.0	W	432530 410130	SE31SW426	-1.0	KINGSWAY MAPPLEWELL BARNSELY 3
24C	142.0	NW	432560 410210	SE31SW415	-1.0	KINGSWAY MAPPLEWELL BARNSELY TP 3
25	142.0	W	432540 410170	SE31SW416	-1.0	KINGSWAY MAPPLEWELL BARNSELY TP 4
26D	149.0	W	432520 410130	SE31SW423	-1.0	KINGSWAY MAPPLEWELL BARNSELY TP 11
27	153.0	NE	432815 410211	SE31SW273	3.0	DARTON MAPPLEWELL SITE 1 8
28	164.0	NE	432777 410264	SE31SW268	3.0	DARTON MAPPLEWELL SITE 1 3
29	175.0	NE	432812 410250	SE31SW270	3.0	DARTON MAPPLEWELL SITE 1 5
30	183.0	NE	432840 410229	SE31SW272	3.0	DARTON MAPPLEWELL SITE 1 7
31	190.0	NE	432840 410240	SE31SW235	2.74	DARTON MAPPLEWELL SCH 10
32	192.0	NE	432771 410300	SE31SW266	3.0	DARTON MAPPLEWELL SITE 1 1
33	200.0	NE	432870 410210	SE31SW233	3.05	DARTON MAPPLEWELL SCH 8
34	204.0	NE	432809 410291	SE31SW267	3.0	DARTON MAPPLEWELL SITE 1 2
35	210.0	NE	432842 410269	SE31SW269	3.0	DARTON MAPPLEWELL SITE 1 4
36	229.0	E	432910 410190	SE31SW230	3.05	DARTON MAPPLEWELL SCH 5
37	237.0	NE	432890 410250	SE31SW232	3.05	DARTON MAPPLEWELL SCH 7



The borehole records are available using the hyperlinks below: Please note that if the donor of the borehole record has requested the information be held as commercial-in-confidence, the additional data will be held separately by the BGS and a formal request must be made for its release.

- #2: scans.bgs.ac.uk/sobi_scans/boreholes/85990
 - #5: scans.bgs.ac.uk/sobi_scans/boreholes/86043
 - #8: scans.bgs.ac.uk/sobi_scans/boreholes/85989
 - #11: scans.bgs.ac.uk/sobi_scans/boreholes/86044
 - #12: scans.bgs.ac.uk/sobi_scans/boreholes/86042
 - #13: scans.bgs.ac.uk/sobi_scans/boreholes/86045
 - #15: scans.bgs.ac.uk/sobi_scans/boreholes/84412
 - #16: scans.bgs.ac.uk/sobi_scans/boreholes/84413
 - #20: scans.bgs.ac.uk/sobi_scans/boreholes/86027
 - #21: scans.bgs.ac.uk/sobi_scans/boreholes/86024
 - #27: scans.bgs.ac.uk/sobi_scans/boreholes/86026
 - #28: scans.bgs.ac.uk/sobi_scans/boreholes/86021
 - #29: scans.bgs.ac.uk/sobi_scans/boreholes/86023
 - #30: scans.bgs.ac.uk/sobi_scans/boreholes/86025
 - #31: scans.bgs.ac.uk/sobi_scans/boreholes/85988
 - #32: scans.bgs.ac.uk/sobi_scans/boreholes/86019
 - #33: scans.bgs.ac.uk/sobi_scans/boreholes/85986
 - #34: scans.bgs.ac.uk/sobi_scans/boreholes/86020
 - #35: scans.bgs.ac.uk/sobi_scans/boreholes/86022
 - #36: scans.bgs.ac.uk/sobi_scans/boreholes/85983
 - #37: scans.bgs.ac.uk/sobi_scans/boreholes/85985
-



8 Estimated Background Soil Chemistry

Records of background estimated soil chemistry within 250m of the study site boundary:

2

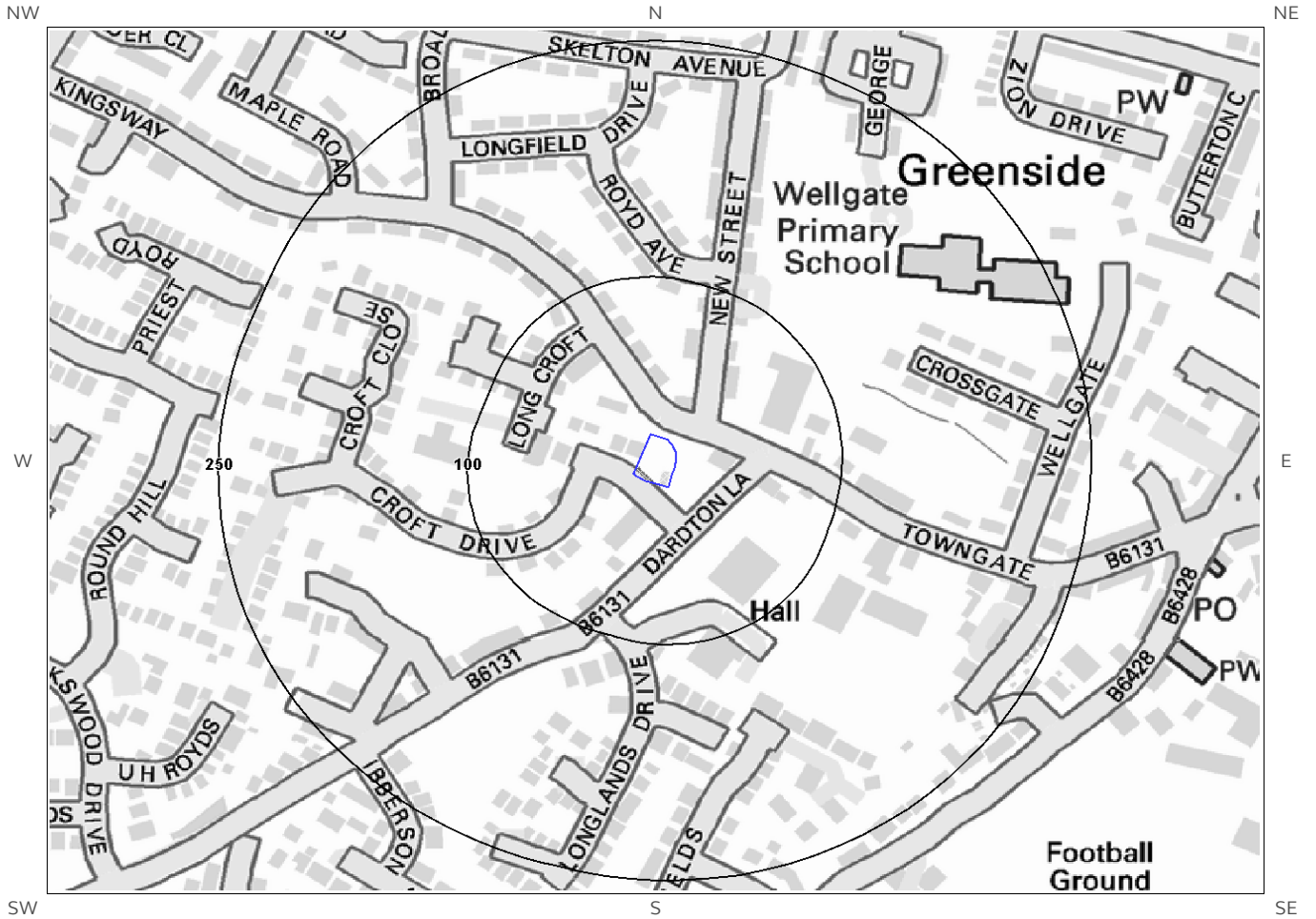
For further information on how this data is calculated and limitations upon its use, please see the Groundsure Geo Insight User Guide, available on request.

Distance (m)	Direction	Sample Type	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Nickel (Ni)	Lead (Pb)
0.0	On Site	RuralSoil	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	RuralSoil	15 - 25 mg/kg	<1.8 mg/kg	90 - 120 mg/kg	15 - 30 mg/kg	<100 mg/kg

*As this data is based upon underlying 1:50,000 scale geological information, a 50m buffer has been added to the search radius.














9 Railways and Tunnels Map



Railways and Tunnels Legend

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	Site Outline		Underground or Partially Underground Railway / Subway System		Railway Track (OpenStreetMap)
	Search Buffers (m)		Railway Tunnel (OS Mapping)		High Speed 2
			Abandoned or Dismantled Railway (OpenStreetMap)		High Speed 2 Revised Proposed Route
			Railway Track (OS Mapping)		Crossrail 1
					Railway and/or Tunnel Feature from Historical Mapping

9 Railways and Tunnels

9.1 Tunnels

This data is derived from OpenStreetMap and provides information on the possible locations of underground railway systems in the UK - the London Underground, the Tyne & Wear Metro and the Glasgow Subway.

Have any underground railway lines been identified within the study site boundary? No

Have any underground railway lines been identified within 250m of the study site boundary? No

Database searched and no data found.

Any records that have been identified are represented on the Railways and Tunnels Map.

This data is derived from Ordnance Survey mapping and provides information on the possible locations of railway tunnels forming part of the UK overground railway network.

Have any other railway tunnels been identified within the site boundary? No

Have any other railway tunnels been identified within 250m of the site boundary? No

Database searched and no data found.

Any records that have been identified are represented on the Railways and Tunnels Map.

9.2 Historical Railway and Tunnel Features

This data is derived from Groundsure's unique Historical Land-use Database and contains features relating to tunnels, railway tracks or associated works that have been identified from historical Ordnance Survey mapping.

Have any historical railway or tunnel features been identified within the study site boundary? No

Have any historical railway or tunnel features been identified within 250m of the study site boundary? No

Database searched and no data found.

Any records that have been identified are represented on the Railways and Tunnels Map.

9.3 Historical Railways

This data is derived from OpenStreetMap and provides information on the possible alignments of abandoned or dismantled railway lines in proximity to the study site.

Have any historical railway lines been identified within the study site boundary? No

Have any historical railway lines been identified within 250m of the study site boundary? No

Database searched and no data found.

Multiple sections of the same track may be listed in the detail above
Any records that have been identified are represented on the Railways and Tunnels Map.

9.4 Active Railways

These datasets are derived from Ordnance Survey mapping and OpenStreetMap and provide information on the possible locations of active railway lines in proximity to the study site.

Have any active railway lines been identified within the study site boundary? No

Have any active railway lines been identified within 250m of the study site boundary? No

Database searched and no data found.

Multiple sections of the same track may be listed in the detail above
Any records that have been identified are represented on the Railways and Tunnels Map.

9.5 Railway Projects

These datasets provide information on the location of large scale railway projects High Speed 2 and Crossrail 1 .

Is the study site within 5km of the route of the High Speed 2 rail project? No

Is the study site within 500m of the route of the Crossrail 1 rail project? No

Further information on proximity to these routes, the project construction status and associated works can be obtained through the purchase of a Groundsure HS2 and Crossrail 1 Report.

The route data has been digitised from publicly available maps by Groundsure. The route as provided relates to the Crossrail 1 project only, and does not include any details of the Crossrail 2 project, as final details of the route for Crossrail 2 are still under consultation.

Please note that this assessment takes account of both the original Phase 2b proposed route and the amended route proposed in 2016. As the Phase 2b route is still under consultation, Groundsure are providing information on both options until the final route is formally confirmed. Practitioners should take account of this uncertainty when advising clients.

Contact Details

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enquiries@demeter-environmental.co.uk



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Keyworth, Nottingham NG12 5GG
Tel: 0115 936 3143.
Fax: 0115 936 3276.
Email: enquiries@bgs.ac.uk
Web: www.bgs.ac.uk



BGS Geological Hazards Reports and general geological enquiries

British Gypsum

British Gypsum Ltd
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Loughborough
Leicestershire
LE12 6HX



The Coal Authority

200 Lichfield Lane
Mansfield
Notts NG18 4RG
Tel: 0345 7626 848
DX 716176 Mansfield 5
www.coal.gov.uk



Public Health England

Public information access office
Public Health England, Wellington House
133-155 Waterloo Road, London, SE1 8UG
<https://www.gov.uk/government/organisations/public-health-england>
Email: enquiries@phe.gov.uk
Main switchboard: 020 7654 8000



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Getmapping PLC

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Hampshire RG27 8NW
Tel: 01252 845444
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Standard Terms and Conditions

Groundsure's Terms and Conditions can be viewed online at this link:
<https://www.groundsure.com/terms-and-conditions-sept-2016/>



Demeter Environmental Ltd
Hanover House, Hanover Street,
Liverpool, L3 3DZ

Groundsure Reference: EMS-DE-414082_553272

Your Reference: EMS_414082_553272

Report Date 30 Mar 2017

Report Delivery Method: Email - pdf

Groundsure Enviro Insight

Address: ,

Dear Sir/ Madam,

Thank you for placing your order with Groundsure. Please find enclosed the **Groundsure Enviro Insight** as requested.

If you need any further assistance, please do not hesitate to contact our helpline on 08444 159 000 quoting the above Groundsure reference number.

Yours faithfully,

Demeter Environmental ltd

Enc.
Groundsure Enviroinsight

Groundsure Enviro Insight

Address: ,
Date: 30 Mar 2017
Reference: EMS-DE-414082_553272
Client: Demeter Environmental Ltd

NW

N

NE

W

E



SW

S

SE

Aerial Photograph Capture date: 26-Mar-2012
Grid Reference: 432681,410113
Site Size: 0.06ha

Report Reference: EMS-DE-414082_553272
Client Reference: EMS_414082_553272

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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.

Section 1: Historical Industrial Sites	On-site	0-50	51-250	251-500
1.1 Potentially Contaminative Uses identified from 1:10,000 scale mapping	0	14	13	170
1.2 Additional Information – Historical Tank Database	0	5	5	2
1.3 Additional Information – Historical Energy Features Database	0	3	4	18
1.4 Additional Information – Historical Petrol and Fuel Site Database	0	0	0	0
1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database	0	0	0	8
1.6 Potentially Infilled Land	0	0	4	99

Section 2: Environmental Permits, Incidents and Registers	On-site	0-50m	51-250	251-500
2.1 Industrial Sites Holding Environmental Permits and/or Authorisations				
2.1.1 Records of historic IPC Authorisations	0	0	0	0
2.1.2 Records of Part A(1) and IPPC Authorised Activities	0	0	0	0
2.1.3 Records of Red List Discharge Consents	0	0	0	0
2.1.4 Records of List 1 Dangerous Substances Inventory sites	0	0	0	0
2.1.5 Records of List 2 Dangerous Substances Inventory sites	0	0	0	0
2.1.6 Records of Part A(2) and Part B Activities and Enforcements	0	0	0	0
2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations	0	0	0	0
2.1.8 Records of Licensed Discharge Consents	0	0	0	0
2.1.9 Records of Water Industry Referrals	0	0	0	0
2.1.10 Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site	0	0	0	0
2.2 Records of COMAH and NIHHS sites	0	0	0	0
2.3 Environment Agency/Natural Resources Wales Recorded Pollution Incidents				
2.3.1 National Incidents Recording System, List 2	0	0	0	5
2.3.2 National Incidents Recording System, List 1	0	0	0	0
2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990	0	0	0	0

Section 3: Landfill and Other Waste Sites	On-site	0-50m	51-250	251-500	501-1000	1000-1500
3.1 Landfill Sites						
3.1.1 Environment Agency/Natural Resources Wales Registered Landfill Sites	0	0	0	0	0	Not searched
3.1.2 Environment Agency/Natural Resources Wales Historic Landfill Sites	0	0	0	0	2	3
3.1.3 BGS/DoE Landfill Site Survey	0	0	0	0	0	0
3.1.4 Records of Landfills in Local Authority and Historical Mapping Records	0	0	0	0	0	0
3.2 Landfill and Other Waste Sites Findings						
3.2.1 Operational and Non-Operational Waste Treatment, Transfer and Disposal Sites	0	0	0	0	Not searched	Not searched
3.2.2 Environment Agency/Natural Resources Wales Licensed Waste Sites	0	0	0	1	3	0

Section 4: Current Land Use	On-site	0-50m	51-250	251-500
4.1 Current Industrial Sites Data	0	1	5	Not searched
4.2 Records of Petrol and Fuel Sites	0	0	0	0
4.3 National Grid Underground Electricity Cables	0	0	0	0
4.4 National Grid Gas Transmission Pipelines	0	0	0	0

Section 5: Geology	
5.1 Are there any records of Artificial Ground and Made Ground present beneath the study site?	No
5.2 Are there any records of Superficial Ground and Drift Geology present beneath the study site?	None
5.3 For records of Bedrock and Solid Geology beneath the study site see the detailed findings section.	

Section 6: Hydrogeology and Hydrology	0-500m					
6.1 Are there any records of Strata Classification in the Superficial Geology within 500m of the study site?	No					
6.2 Are there any records of Strata Classification in the Bedrock Geology within 500m of the study site?	Yes					
	On-site	0-50m	51-250	251-500	501-1000	1000-2000
6.3 Groundwater Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	0
6.4 Surface Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	0
6.5 Potable Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	0
6.6 Source Protection Zones (within 500m of the study site)	0	0	0	0	Not searched	Not searched
6.7 Source Protection Zones within Confined Aquifer	0	0	0	0	Not searched	Not searched
6.8 Groundwater Vulnerability and Soil Leaching Potential (within 500m of the study site)	1	0	1	0	Not searched	Not searched

Section 6: Hydrogeology and Hydrology

0-500m

	On-site	0-50m	51-250	251-500	501-1000	1000-1500
6.9 Is there any Environment Agency/Natural Resources Wales information on river quality within 1500m of the study site?	No	No	No	No	No	Yes
6.10 Detailed River Network entries within 500m of the site	0	0	2	1	Not searched	Not searched
6.11 Surface water features within 250m of the study site	No	No	Yes	Not searched	Not searched	Not searched

Section 7: Flooding

7.1 Are there any Environment Agency Zone 2 floodplains within 250m of the study site?	No					
7.2 Are there any Environment Agency/Natural Resources Wales Zone 3 floodplains within 250m of the study site?	No					
7.3 What is the Risk of flooding from Rivers and the Sea (RoFRaS) rating for the study site?	Very Low					
7.4 Are there any Flood Defences within 250m of the study site?	No					
7.5 Are there any areas benefiting from Flood Defences within 250m of the study site?	No					
7.6 Are there any areas used for Flood Storage within 250m of the study site?	No					
7.7 What is the maximum BGS Groundwater Flooding susceptibility within 50m of the study site?	Limited potential					
7.8 What is the BGS confidence rating for the Groundwater Flooding susceptibility areas?	Low					

Section 8: Designated Environmentally Sensitive Sites

	On-site	0-50m	51-250	251-500	501-1000	1000-2000
8.1 Records of Sites of Special Scientific Interest (SSSI)	0	0	0	0	0	0
8.2 Records of National Nature Reserves (NNR)	0	0	0	0	0	0
8.3 Records of Special Areas of Conservation (SAC)	0	0	0	0	0	0
8.4 Records of Special Protection Areas (SPA)	0	0	0	0	0	0
8.5 Records of Ramsar sites	0	0	0	0	0	0
8.6 Records of Ancient Woodlands	0	0	0	0	0	5
8.7 Records of Local Nature Reserves (LNR)	0	0	0	0	0	1
8.8 Records of World Heritage Sites	0	0	0	0	0	0
8.9 Records of Environmentally Sensitive Areas	0	0	0	0	0	0

Section 8: Designated Environmentally Sensitive Sites	On-site	0-50m	51-250	251-500	501-1000	1000-2000
8.10 Records of Areas of Outstanding Natural Beauty (AONB)	0	0	0	0	0	0
8.11 Records of National Parks	0	0	0	0	0	0
8.12 Records of Nitrate Sensitive Areas	0	0	0	0	0	0
8.13 Records of Nitrate Vulnerable Zones	1	0	1	1	0	1
8.14 Records of Green Belt land	0	0	0	1	2	3

Section 9: Natural Hazards

9.1 What is the maximum risk of natural ground subsidence?	Low
9.1.1 What is the maximum Shrink-Swell hazard rating identified on the study site?	Very Low
9.1.2 What is the maximum Landslides hazard rating identified on the study site?	Very Low
9.1.3 What is the maximum Soluble Rocks hazard rating identified on the study site?	Negligible
9.1.4 What is the maximum Compressible Ground hazard rating identified on the study site?	Negligible
9.1.5 What is the maximum Collapsible Rocks hazard rating identified on the study site?	Very Low
9.1.6 What is the maximum Running Sand hazard rating identified on the study site?	Low
9.2 Radon	
9.2.1 Is the property in a Radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level?	The property is in a Radon Affected Area, as between 3 and 5% of properties are above the Action Level.
9.2.2 Is the property in an area where Radon Protection are required for new properties or extensions to existing ones as described in publication BR211 by the Building Research Establishment?	Basic radon protective measures are necessary.

Section 10: Mining

10.1 Are there any coal mining areas within 75m of the study site?	Yes
10.2 Are there any Non-Coal Mining areas within 50m of the study site boundary?	Yes
10.3 Are there any brine affected areas within 75m of the study site?	No



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. Historical Industrial Sites

Provides information on past land uses that may pose a risk to the study site in terms of potential contamination from activities or processes. Potentially Infilled Land features are also included. This search is conducted using radii of up to 500m.

2. Environmental Permits, Incidents and Registers

Provides information on Regulated Industrial Activities and Pollution Incidents as recorded by Regulatory Authorities, and sites determined as Contaminated Land. This search is conducted using radii up to 500m.

3. 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.

4. Current Land Uses

Provides information on current land uses that may pose a risk to the study site in terms of potential contamination from activities or processes. These searches are conducted using radii of up to 500m. This includes information on potentially contaminative industrial sites, petrol stations and fuel sites as well as high pressure gas pipelines and underground electricity transmission lines.

5. Geology

Provides information on artificial and superficial deposits and bedrock beneath the study site.

6. Hydrogeology and Hydrology

Provides information on productive strata within the bedrock and superficial geological layers, abstraction licenses, Source Protection Zones (SPZs) and river quality. These searches are conducted using radii of up to 2000m.

7. Flooding

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

8. Designated Environmentally Sensitive 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), Areas of Outstanding Natural Beauty (AONB), National Parks (NP), Environmentally Sensitive Areas, Nitrate Sensitive Areas, Nitrate Vulnerable Zones and World Heritage Sites and Scheduled Ancient Woodland. These searches are conducted using radii of up to 2000m.

9. Natural Hazards

Provides information on a range of natural hazards that may pose a risk to the study site. These factors include natural ground subsidence and radon..

10. Mining

Provides information on areas of coal and non-coal mining and brine affected areas.

11. 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 (08444 159000) for further information and guidance.

Note: Maps

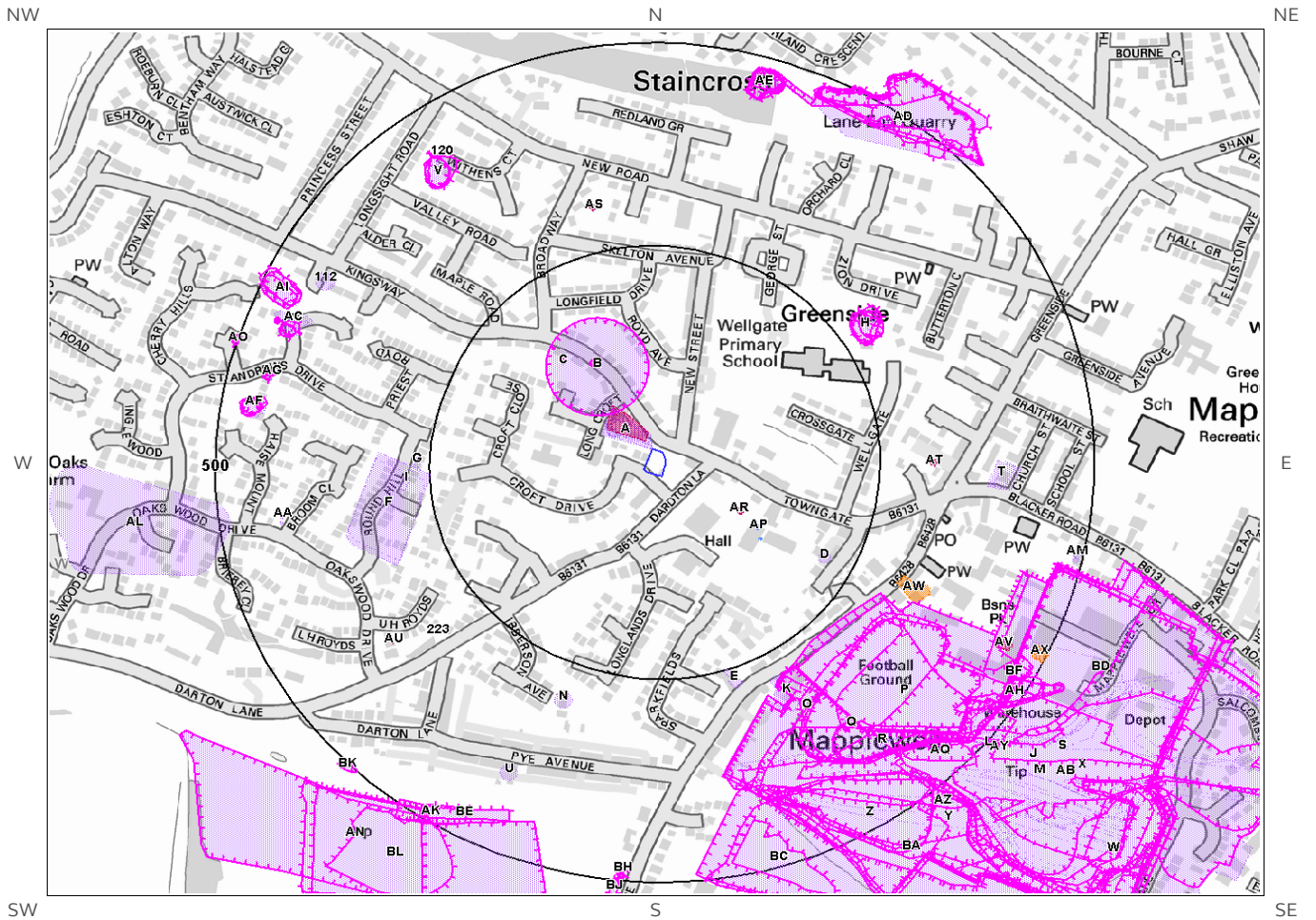
Only certain features are placed on the maps within the report. All features represented on maps found within this search are given an identification number. This number identifies the feature on the mapping and correlates it to the additional information provided below. This identification number precedes 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. Historical Land Use



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1. Historical Industrial Sites

1.1 Potentially Contaminative Uses identified from 1:10,000 scale Mapping

The systematic analysis of data extracted from standard 1:10,560 and 1:10,000 scale historical maps provides the following information:

Records of sites with a potentially contaminative past land use within 500m of the search boundary: 197

ID	Distance [m]	Direction	Use	Date
1A	2	W	Unspecified Commercial/Industrial	1951
2A	4	NW	Unspecified Commercial/Industrial	1938
3A	8	NW	Gas Works	1978
4A	8	NW	Unspecified Works	1965
5A	37	NW	Gas Holder	1990
6A	37	NW	Unspecified Tank	1978
7A	39	NW	Unspecified Tank	1965
8A	39	NW	Unspecified Tank	1951
9A	40	NW	Unspecified Tank	1948
10A	41	NW	Unspecified Tank	1930
11A	41	NW	Unspecified Tank	1930
12A	41	NW	Unspecified Tank	1930
13A	41	NW	Unspecified Tank	1930
14A	41	NW	Unspecified Tank	1938
15B	60	NW	Unspecified Old Shaft	1951
16B	121	NW	Unspecified Old Shaft	1938
17B	121	NW	Unspecified Old Shaft	1938
18C	147	NW	Unspecified Old Shaft	1930
19C	147	NW	Unspecified Old Shaft	1930
20C	147	NW	Unspecified Old Shaft	1930
21C	147	NW	Unspecified Old Shaft	1930
22C	147	NW	Unspecified Old Shaft	1948
23D	208	SE	Unspecified Pump	1854
24D	208	SE	Unspecified Pump	1854
25E	248	S	Smithy	1891
26E	248	S	Smithy	1904
27F	248	W	Colliery	1854
28F	255	W	Colliery	1854
29G	260	W	Coal Pits	1854
30G	264	W	Coal Pits	1854
31H	266	NE	Unspecified Heap	1930
32H	266	NE	Unspecified Heap	1930
33H	266	NE	Unspecified Heap	1930



34H	266	NE	Unspecified Heap	1930
35H	266	NE	Unspecified Heap	1938
36H	266	NE	Unspecified Heap	1938
37H	267	NE	Unspecified Heap	1951
38L	267	SE	Colliery	1951
39H	267	NE	Unspecified Heap	1948
40H	267	NE	Old Coal Pit	1904
41H	267	NE	Unspecified Heap	1891
42I	274	W	Coal Pits	1854
43H	275	NE	Unspecified Heap	1965
44I	278	W	Coal Pits	1854
45J	279	SE	Colliery	1938
46J	279	SE	Colliery	1938
47K	279	SE	Unspecified Works	1973
48K	279	SE	Unspecified Works	1966
49L	279	SE	Unspecified Mine	1973
50J	280	SE	Colliery	1948
51M	281	SE	Colliery	1930
52M	281	SE	Colliery	1930
53M	281	SE	Colliery	1930
54M	281	SE	Colliery	1930
55H	283	NE	Old Coal Pit	1854
56H	286	NE	Old Coal Pit	1854
57N	286	S	Colliery	1854
58N	286	S	Colliery	1854
59O	301	SE	Refuse Heap	1951
60AY	304	SE	Colliery	1982
61P	304	SE	Unspecified Disused Tip	1982
62O	307	SE	Refuse Heap	1966
63P	307	SE	Unspecified Disused Tip	1973
64AZ	345	SE	Unspecified Disused Tip	1993
65S	365	S	Railway Sidings	1951
66Q	368	SE	Refuse Heap	1930
67Q	368	SE	Refuse Heap	1930
68Q	368	SE	Refuse Heap	1930
69Q	368	SE	Refuse Heap	1930
70Q	371	SE	Refuse Heap	1948
71R	372	SE	Refuse Heap	1938
72R	372	SE	Refuse Heap	1938
73J	374	S	Railway Sidings	1982
74S	374	S	Railway Sidings	1966
75S	374	S	Railway Sidings	1973
76T	376	E	Police Station	1904
77T	383	E	Police Station	1978
78T	383	E	Police Station	1990
79T	383	E	Police Station	1965



80AB	392	SE	Colliery	1904
81M	393	SE	Railway Sidings	1904
82M	393	SE	Colliery	1891
83U	394	SW	Colliery	1854
84U	394	SW	Colliery	1854
85X	396	SE	Railway Sidings	1938
86V	402	NW	Unspecified Heap	1930
87V	402	NW	Unspecified Heap	1930
88V	402	NW	Unspecified Heap	1930
89V	402	NW	Unspecified Heap	1930
90Z	404	S	Refuse Heap	1951
91V	404	NW	Unspecified Heap	1891
92V	404	NW	Old Coal Pit	1904
93V	404	NW	Unspecified Heap	1948
94W	405	S	Refuse Heap	1966
95W	405	S	Unspecified Disused Tip	1973
96V	405	NW	Unspecified Heap	1938
97V	405	NW	Unspecified Heap	1938
98V	407	NW	Unspecified Heap	1951
99X	409	SE	Railway Sidings	1948
100Y	411	S	Refuse Heaps	1938
101Y	411	S	Refuse Heaps	1938
102Z	412	S	Refuse Heap	1930
103Z	412	S	Refuse Heap	1930
104Z	412	S	Refuse Heap	1930
105Z	412	S	Refuse Heap	1930
106Z	412	S	Refuse Heap	1948
107X	413	SE	Railway Sidings	1930
108X	413	SE	Railway Sidings	1930
109X	413	SE	Railway Sidings	1930
110X	413	SE	Railway Sidings	1930
111BA	417	S	Refuse Heap	1982
112	423	NW	Sandstone Quarry	1854
113AA	424	W	Coal Pit	1854
114AC	425	W	Railway Sidings	1951
115AA	426	W	Coal Pit	1854
116BB	428	SE	Refuse Heap	1891
117AB	428	SE	Railway Sidings	1891
118AC	430	W	Railway Sidings	1930
119V	431	NW	Old Coal Pit	1854
120	434	NW	Old Coal Pit	1854
121AC	435	W	Refuse Heap	1930
122BC	436	S	Slurry Ponds	1982
123AC	437	W	Refuse Heap	1951
124AC	438	W	Refuse Heap	1948
125AQ	439	SE	Refuse Heap	1904



126AC	439	W	Refuse Heap	1938
127AC	439	W	Refuse Heap	1938
128Q	442	SE	Refuse Heap	1904
129AD	444	NE	Unspecified Quarry	1930
130AD	444	NE	Unspecified Quarry	1930
131AD	444	NE	Unspecified Quarry	1930
132AD	444	NE	Unspecified Quarry	1930
133BD	444	E	Unspecified Mine	1966
134AE	446	N	Unspecified Pit	1930
135AE	446	N	Unspecified Pit	1930
136AE	446	N	Unspecified Pit	1930
137AE	446	N	Unspecified Pit	1930
138BE	446	S	Cuttings	1891
139AE	446	N	Unspecified Pit	1951
140AF	447	W	Refuse Heap	1951
141AG	447	W	Unspecified Levels	1951
142AF	447	W	Refuse Heap	1930
143AE	447	N	Unspecified Pit	1948
144AG	447	W	Unspecified Levels	1930
145AE	447	N	Unspecified Pit	1938
146AE	447	N	Unspecified Pit	1938
147AE	448	N	Unspecified Quarry	1904
148AE	448	N	Unspecified Quarry	1891
149AH	449	SE	Refuse Heap	1938
150AH	449	SE	Refuse Heap	1938
151AN	450	S	Unspecified Disused Tip	1993
152AI	450	NW	Unspecified Pit	1930
153AG	450	W	Unspecified Levels	1938
154AG	450	W	Unspecified Levels	1938
155AG	450	W	Unspecified Levels	1948
156AI	451	NW	Unspecified Quarry	1951
157AF	451	W	Refuse Heap	1938
158AF	451	W	Refuse Heap	1938
159AF	452	W	Refuse Heap	1948
160AI	454	NW	Unspecified Quarry	1938
161AI	456	NW	Unspecified Pit	1891
162AI	456	NW	Unspecified Pit	1948
163AI	456	NW	Unspecified Quarry	1904
164AI	458	NW	Sandstone Quarry	1854
165AJ	460	N	Unspecified Disused Quarry	1978
166AJ	460	N	Unspecified Disused Quarry	1990
167AE	461	N	Unspecified Pit	1965
168AC	462	W	Unspecified Levels	1938
169AC	462	W	Unspecified Levels	1938

170AC	462	W	Unspecified Levels	1948
171AK	466	SW	Cuttings	1973
172AK	466	SW	Cuttings	1966
173AD	469	NE	Unspecified Quarry	1948
174AD	471	NE	Unspecified Quarry	1938
175AD	472	NE	Unspecified Disused Quarry	1951
176AD	472	NE	Unspecified Quarry	1965
177AD	475	NE	Unspecified Quarry	1891
178AD	475	NE	Unspecified Quarry	1904
179BF	476	SE	Unspecified Shaft	1951
180BG	481	SE	Refuse Heap	1904
181AL	487	W	Unspecified Depot	1978
182AL	487	W	Unspecified Depot	1990
183AM	488	E	Coal Pit	1854
184AM	489	E	Coal Pit	1854
185AN	490	SW	Brick Works	1938
186AN	490	SW	Brick Works	1938
187AN	491	SW	Brick Works	1930
188BI	493	SE	Refuse Heap	1948
189AN	493	SW	Brick Works	1948
190AO	496	W	Unspecified Levels	1930
191AO	497	W	Unspecified Levels	1951
192BJ	498	S	Unspecified Ground Workings	1904
193BK	498	SW	Unspecified Pit	1904
194AO	499	W	Unspecified Levels	1938
195AO	499	W	Unspecified Levels	1938
196BL	499	SW	Unspecified Pit	1951
197AO	500	W	Unspecified Levels	1948

1.2 Additional Information – Historical Tank Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical tanks within 500m of the search boundary:

12

ID	Distance (m)	Direction	Use	Date
198A	13	NW	Gasholder Station	1978
199A	13	NW	Gasholder Station	1987
200A	38	NW	Unspecified Tank	1960
201A	38	NW	Unspecified Tank	1966
202A	39	NW	Gasholder	1987

203AP	128	SE	Unspecified Tank	1978
204AP	136	SE	Unspecified Tank	1987
205AP	137	SE	Unspecified Tank	1997
206AP	137	SE	Unspecified Tank	1994
207AP	138	SE	Unspecified Tank	1978
208AQ	459	SE	Unspecified Tank	1977
209AQ	460	SE	Unspecified Tank	1986

1.3 Additional Information – Historical Energy Features Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical energy features within 500m of the search boundary:

25

ID	Distance (m)	Direction	Use	Date
210A	13	NW	Gasholder Station	1978
211A	13	NW	Gasholder Station	1987
212A	39	NW	Gasholder	1987
213AR	96	SE	Electricity Substation	1987
214AR	97	SE	Electricity Substation	1994
215AR	97	SE	Electricity Substation	1997
216AR	98	SE	Electricity Substation	1978
217AS	301	N	Electricity Substation	1978
218AS	302	N	Electricity Substation	1994
219AS	302	N	Electricity Substation	1997
220AS	302	N	Electricity Substation	1987
221AT	307	E	Electricity Substation	1994
222AT	307	E	Electricity Substation	1977
223	311	SW	Electricity Substation	1994
224AU	360	SW	Electricity Substation	1977
225AU	361	SW	Electricity Substation	1989
226AU	361	SW	Electricity Substation	1991
227AV	442	SE	Electricity Substation	1977
228AV	442	SE	Electricity Substation	1986
229AV	445	SE	Electricity Substation	1973
230AV	449	SE	Electricity Substation	1988
231AV	449	SE	Electricity Substation	1989
232AV	449	SE	Electricity Substation	1989
233AV	449	SE	Electricity Substation	1988
234AV	453	SE	Electricity Substation	1997



1.4 Additional Information – Historical Petrol and Fuel Site Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical petrol stations and fuel sites within 500m of the search boundary: 0

Database searched and no data found.

1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical garage and motor vehicle repair sites within 500m of the search boundary: 8

ID	Distance (m)	Direction	Use	Date
235AW	303	SE	Garage	1977
236AW	304	SE	Garage	1991
237AW	304	SE	Garage	1981
238AW	304	SE	Garage	1991
239AX	482	SE	Garage	1993
240AX	482	SE	Garage	1995
241AX	482	SE	Garage	1996
242AX	482	SE	Garage	1991

1.6 Potentially Infilled Land

Records of Potentially Infilled Features from 1:10,000 scale mapping within 500m of the study site: 103

The following Historical Potentially Infilled Features derived from the Historical Mapping information is provided by Groundsure:

ID	Distance(m)	Direction	Use	Date
243B	60	NW	Unspecified Old Shaft	1951
244B	121	NW	Unspecified Old Shaft	1938
245B	121	NW	Unspecified Old Shaft	1938
246C	147	NW	Unspecified Old Shaft	1948
247H	266	NE	Unspecified Heap	1938
248H	266	NE	Unspecified Heap	1938
249H	267	NE	Unspecified Heap	1951
250L	267	SE	Colliery	1951
251H	267	NE	Unspecified Heap	1891
252H	267	NE	Old Coal Pit	1904
253H	267	NE	Unspecified Heap	1948
254H	275	NE	Unspecified Heap	1965



255J	279	SE	Colliery	1938
256J	279	SE	Colliery	1938
257L	279	SE	Unspecified Mine	1973
258M	280	SE	Colliery	1948
259O	301	SE	Refuse Heap	1951
260AY	304	SE	Colliery	1982
261P	304	SE	Unspecified Disused Tip	1982
262O	307	SE	Unspecified Disused Tip	1973
263O	307	SE	Refuse Heap	1966
264AZ	345	SE	Unspecified Disused Tip	1993
265Q	371	SE	Refuse Heap	1948
266R	372	SE	Refuse Heap	1938
267R	372	SE	Refuse Heap	1938
268M	392	SE	Colliery	1904
269M	393	SE	Colliery	1891
270Z	404	S	Refuse Heap	1951
271V	404	NW	Old Coal Pit	1904
272V	404	NW	Unspecified Heap	1948
273V	404	NW	Unspecified Heap	1891
274W	405	S	Refuse Heap	1966
275W	405	S	Unspecified Disused Tip	1973
276V	405	NW	Unspecified Heap	1938
277V	405	NW	Unspecified Heap	1938
278V	407	NW	Unspecified Heap	1951
279Y	411	S	Refuse Heaps	1938
280Y	411	S	Refuse Heaps	1938
281Z	412	S	Refuse Heap	1948
282BA	417	S	Refuse Heap	1982
283BB	428	SE	Refuse Heap	1891
284BC	436	S	Slurry Ponds	1982
285AC	437	W	Refuse Heap	1951
286AC	438	W	Refuse Heap	1948
287AQ	439	SE	Refuse Heap	1904
288AC	439	W	Refuse Heap	1938
289AC	439	W	Refuse Heap	1938
290Q	442	SE	Refuse Heap	1904
291BD	444	E	Unspecified Mine	1966
292BE	446	S	Cuttings	1891
293AE	446	N	Unspecified Pit	1951
294AF	447	W	Refuse Heap	1951
295AG	447	W	Unspecified Levels	1951
296AE	447	N	Unspecified Pit	1948
297AE	447	N	Unspecified Pit	1938
298AE	447	N	Unspecified Pit	1938
299AE	448	N	Unspecified Quarry	1891
300AE	448	N	Unspecified Quarry	1904



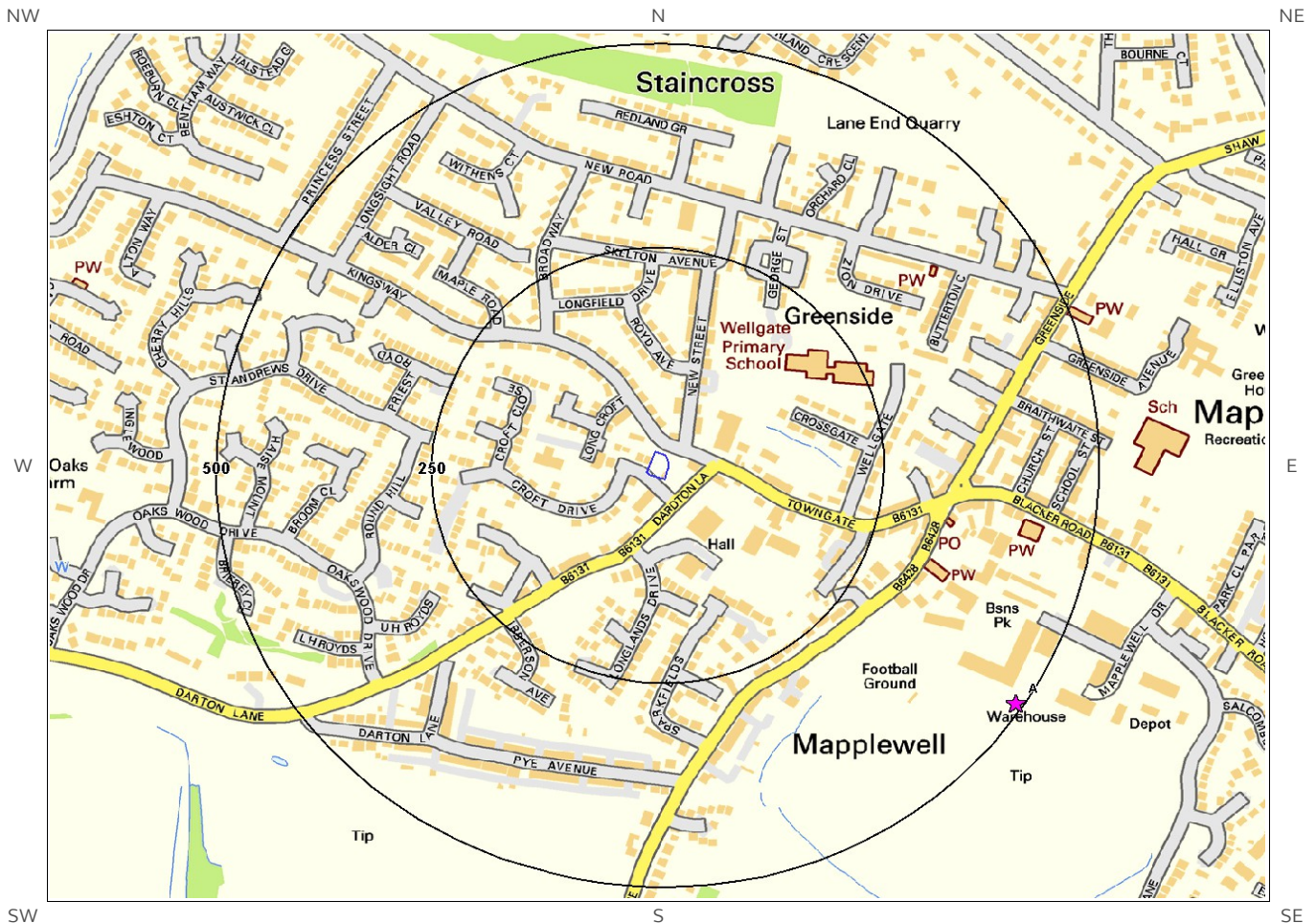
301AH	449	SE	Refuse Heap	1938
302AH	449	SE	Refuse Heap	1938
303AN	450	S	Unspecified Disused Tip	1993
304AG	450	W	Unspecified Levels	1938
305AG	450	W	Unspecified Levels	1938
306AG	450	W	Unspecified Levels	1948
307AI	451	NW	Unspecified Quarry	1951
308AF	451	W	Refuse Heap	1938
309AF	451	W	Refuse Heap	1938
310AF	452	W	Refuse Heap	1948
311AI	454	NW	Unspecified Quarry	1938
312AI	456	NW	Unspecified Pit	1891
313AI	456	NW	Unspecified Pit	1948
314AI	456	NW	Unspecified Quarry	1904
315AJ	460	N	Unspecified Disused Quarry	1990
316AJ	460	N	Unspecified Disused Quarry	1978
317AE	461	N	Unspecified Pit	1965
318AC	462	W	Unspecified Levels	1938
319AC	462	W	Unspecified Levels	1938
320AC	462	W	Unspecified Levels	1948
321AK	466	SW	Cuttings	1973
322AK	466	SW	Cuttings	1966
323AD	469	NE	Unspecified Quarry	1948
324AD	471	NE	Unspecified Quarry	1938
325AD	472	NE	Unspecified Disused Quarry	1951
326AD	472	NE	Unspecified Quarry	1965
327AD	475	NE	Unspecified Quarry	1904
328AD	475	NE	Unspecified Quarry	1891
329BF	476	SE	Unspecified Shaft	1951
330BG	481	SE	Refuse Heap	1904
331BH	485	S	Air Shaft	1951
332AN	490	SW	Brick Works	1938
333AN	490	SW	Brick Works	1938
334BH	490	S	Air Shaft	1904
335BH	490	S	Air Shaft	1948
336BH	492	S	Air Shaft	1938
337BI	493	SE	Refuse Heap	1948
338AN	493	SW	Brick Works	1948
339AO	497	W	Unspecified Levels	1951
340BJ	498	S	Unspecified Ground Workings	1904
341BK	498	SW	Unspecified Pit	1904
342AO	499	W	Unspecified Levels	1938
343AO	499	W	Unspecified Levels	1938



344BL	499	SW	Unspecified Pit	1951
345AO	500	W	Unspecified Levels	1948



2. Environmental Permits, Incidents and Registers Map



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- | | | | | | |
|--|-------------------------------|--|-------------------------------|--|--|
| | Site Outline | | Recorded Pollution Incident | | RAS 3 & 4 Authorisations |
| | Dangerous Substances (List 1) | | Dangerous Substances (List 2) | | Part A(1) Authorised Processes and Historic IPC Authorisations |
| | Licenced Discharge Consents | | | | Part A(2) and Part B Authorised Processes |
| | Red List Discharge Consents | | | | COMAH / NIHS Sites |
| | Water Industry Referrals | | | | Sites Determined as Contaminated Land |
| | | | | | Hazardous Substance Consents and Enforcements |

2. Environmental Permits, Incidents and Registers

2.1 Industrial Sites Holding Licences and/or Authorisations

Searches of information provided by the Environment Agency/Natural Resources Wales and Local Authorities reveal the following information:

2.1.1 Records of historic IPC Authorisations within 500m of the study site:

0

Database searched and no data found.

2.1.2 Records of Part A(1) and IPPC Authorised Activities within 500m of the study site:

0

Database searched and no data found.

2.1.3 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.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

2.1.6 Records of Part A(2) and Part B Activities and Enforcements within 500m of the study site:

0

Database searched and no data found.

2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations:

0

Database searched and no data found.

2.1.8 Records of Licensed Discharge Consents within 500m of the study site:

0

Database searched and no data found.

2.1.9 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.

2.1.10 Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site:

0

Database searched and no data found.

2.2 Dangerous or Hazardous Sites

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

0

Database searched and no data found.

2.3 Environment Agency/Natural Resources Wales Recorded Pollution Incidents

2.3.1 Records of National Incidents Recording System, List 2 within 500m of the study site:

5

The following NIRS List 2 records are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details	
1A	490	SE	433094 409822	Incident Date: 14-Jun-2001 Incident Identification: 9372 Pollutant: Contaminated Water Pollutant Description: Smoke Firefighting Run-Off	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
2A	490	SE	433094 409822	Incident Date: 14-Jun-2001 Incident Identification: 9372 Pollutant: Atmospheric Pollutants and Effects: Contaminated Water Pollutant Description: Smoke: Firefighting Run-Off	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
3A	490	SE	433094 409822	Incident Date: 14-Jun-2001 Incident Identification: 9372 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
4A	490	SE	433094 409822	Incident Date: 14-Jun-2001 Incident Identification: 9372 Pollutant: Contaminated Water Pollutant Description: Firefighting Run-Off	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
5A	490	SE	433094 409822	Incident Date: 14-Jun-2001 Incident Identification: 9372 Pollutant: Atmospheric Pollutants and Effects : Contaminated Water Pollutant Description: Smoke : Firefighting Run-Off	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)

2.3.2 Records of National Incidents Recording System, List 1 within 500m of the study site:

0

Database searched and no data found.



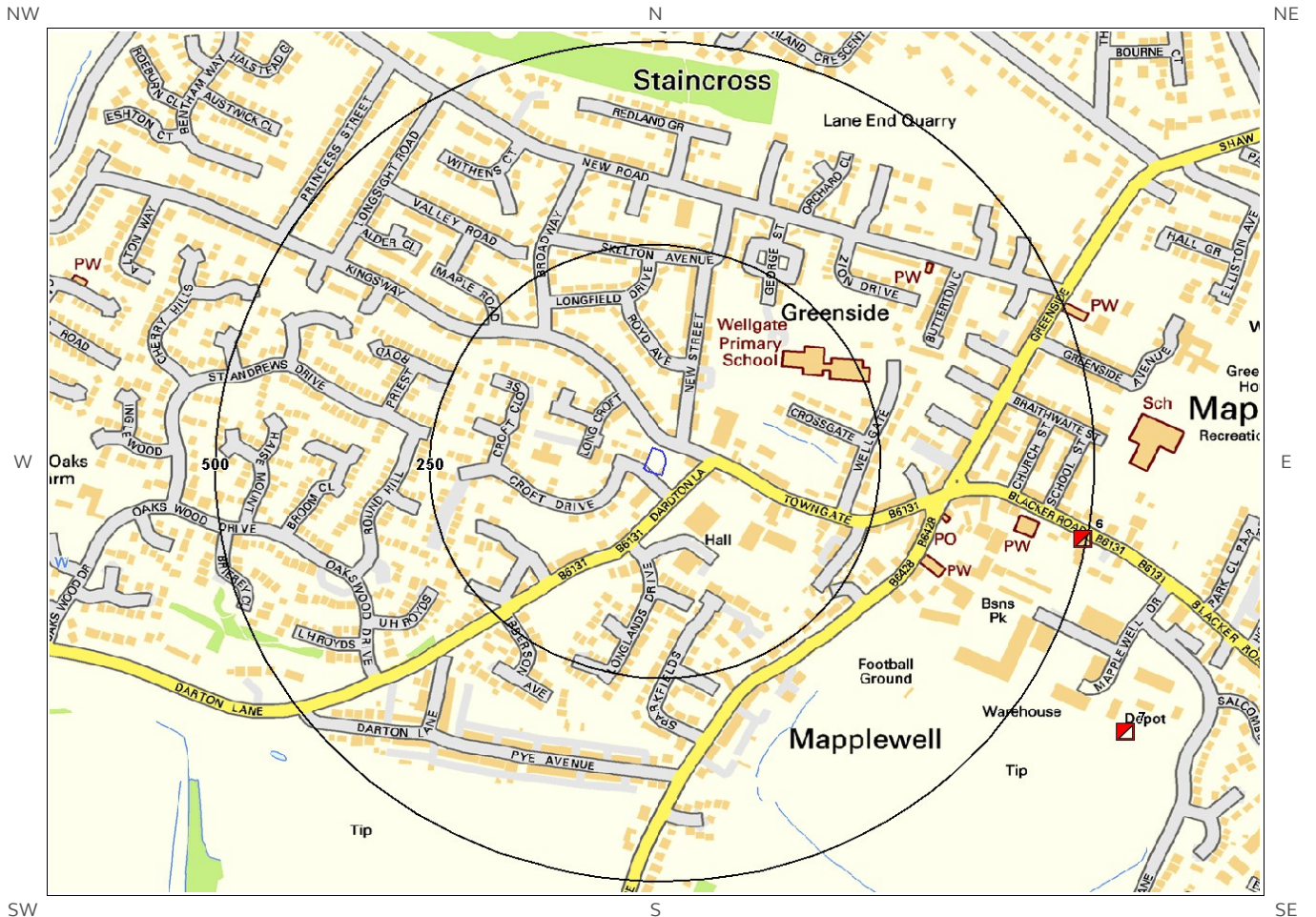
2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990

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.



3. Landfill and Other Waste Sites Map



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- | | | | | | |
|---|------------------------|---|---------------------------|---|---|
|  | Site Outline |  | EA/NRW Active Landfill |  | Historic and Planned Waste Sites |
|  | 250 Search Buffers (m) |  | EA/NRW Historic Landfill |  | EA/NRW Licensed Waste Site |
|  | 500 Search Buffers (m) |  | BGS / DoE Survey Landfill |  | Local Authority/Historical Mapping Landfill Records |

3. Landfill and Other Waste Sites

3.1 Landfill Sites

3.1.1 Records from Environment Agency/Natural Resources Wales landfill data within 1000m of the study site:

0

Database searched and no data found.

3.1.2 Records of Environment Agency/Natural Resources Wales historic landfill sites within 1500m of the study site:

5

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

ID	Distance (m)	Direction	NGR	Details	
Not shown	865	S	432300 409200	Site Address: Quarry, Junction of Spark Lane and Swallow Hill Road, Mapplewell, Barnsley Waste Licence: Yes Site Reference: WD20 B176 Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 11-Jan-1978 Licence Surrendered: 11-Jan-1985 Licence Holder Address: Barnsley Area, Grimethorpe, Barnsley Operator: National Coal Board Licence Holder: National Coal Board First Recorded: 31-Jan-1978 Last Recorded: 11-Jan-1985
Not shown	966	SE	433500 409400	Site Address: Blacker Hill Quarry, Wentworth Road, Mapplewell, Barnsley Waste Licence: Yes Site Reference: WD20 B278 Waste Type: Inert, Industrial, Commercial Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 01-Apr-1980 Licence Surrendered: 06-Jul-1984 Licence Holder Address: 114 Wentworth Road, Mapplewell, Barnsley Operator: Mr R Smith Licence Holder: Blacker Hill Quarry Limited First Recorded: 01-Apr-1980 Last Recorded: 31-Dec-1984
Not shown	1038	SW	431800 409300	Site Address: Between Darton Lane and Dearne Hall Road, Darton, Barnsley Waste Licence: Yes Site Reference: WD20 B490, 4400/B490, 20B490(98) Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 21-Oct-1985 Licence Surrendered: 01-Nov-1994 Licence Holder Address: Oaks Farm, Darton Lane, Darton, Barnsley Operator: C Birkinshaw and Sons Limited Licence Holder: C Birkinshaw and Sons Limited First Recorded: 31-Oct-1985 Last Recorded: 01-Nov-1994

ID	Distance (m)	Direction	NGR	Details	
Not shown	1142	SW	431600 409400	Site Address: Shaw Carpets Limited, Barnsley Road, Darton, Barnsley Waste Licence: Yes Site Reference: WD20 B265, 4400/B265, 20B265(76) Waste Type: Inert, Industrial, Commercial Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 01-Apr-1980 Licence Surrendered: 04-Oct-1991 Licence Holder Address: Barnsley Road, Darton, Barnsley Operator: Shaw Carpets Limited Licence Holder: Shaw Carpets Limited First Recorded: 30-Apr-1980 Last Recorded: 31-Dec-1993
Not shown	1313	E	434000 409900	Site Address: On waste land to the rear of Subseal Works, Subseal Works, Wakefield Road, Staincross Waste Licence: Yes Site Reference: WD20 B364, 4400/B364, 20B364(82) Waste Type: Inert, Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 14-Apr-1983 Licence Surrendered: Licence Holder Address: - Operator: William Freeman and Company Limited Licence Holder: W Freeman and Company First Recorded: 31-Dec-1962 Last Recorded: 31-Dec-1994

3.1.3 Records of BGS/DoE non-operational landfill sites within 1500m of the study site:

0

Database searched and no data found.

3.1.4 Records of Landfills from Local Authority and Historical Mapping Records within 1500m of the study site:

0

Database searched and no data found.

3.2 Other Waste Sites

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

0

Database searched and no data found.



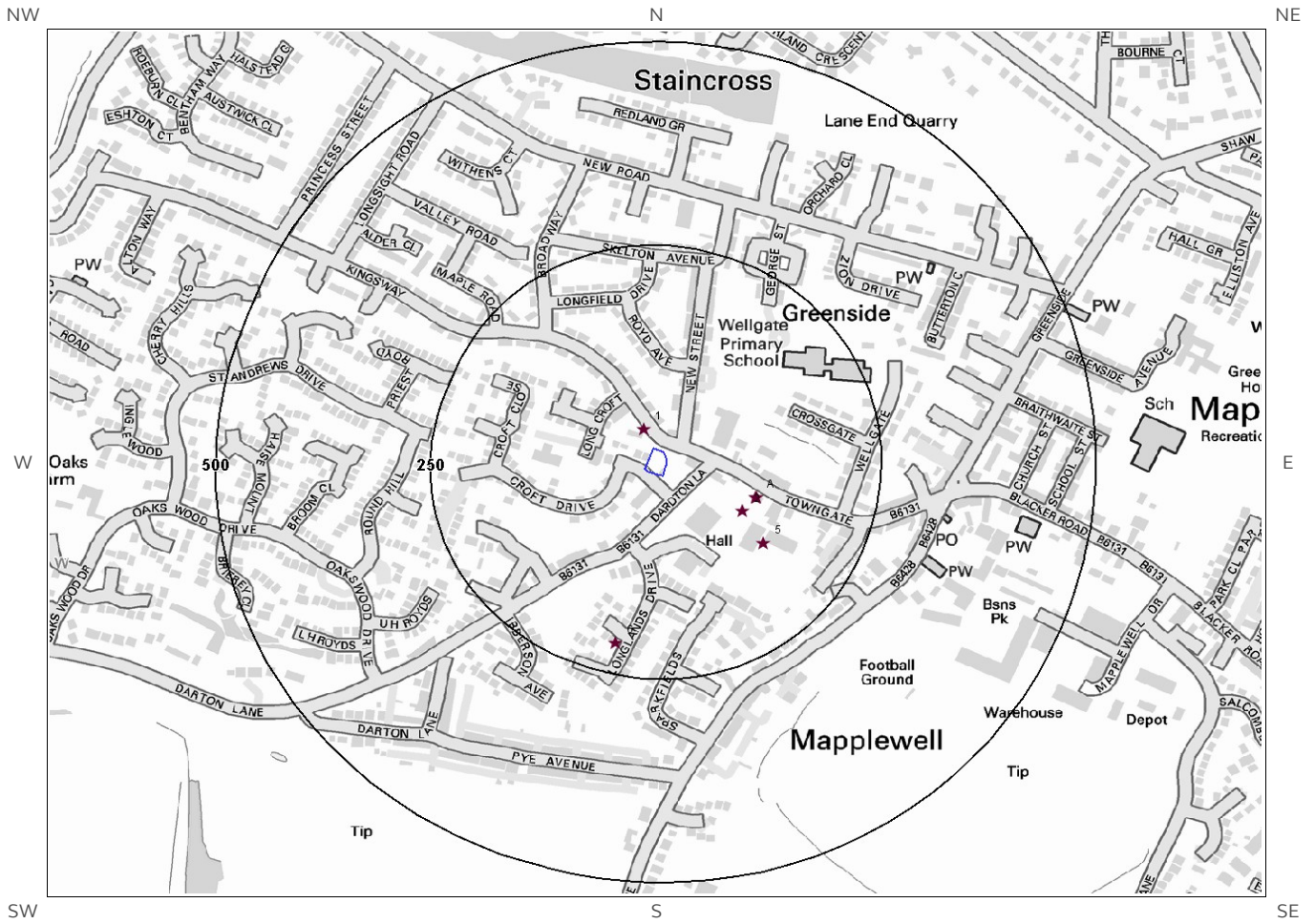
3.2.2 Records of Environment Agency/Natural Resources Wales licensed waste sites within 1500m of the study site:

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

ID	Distance (m)	Direction	NGR	Details
6	495	E	433178 410019	<p>Site Address: Mapplewell Industrial Park, Mapplewell Drive, Mapplewell, Barnsley, South Yorkshire, S75 6BS Type: ELV Facility Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: PQU001 EPR reference: EA/EPR/LP3490VX/A001 Operator: Qualter-Smith Paul Anthony Waste Management licence No: 65486 Annual Tonnage: 203.0</p> <p>Issue Date: 10/09/2007 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Q & Q Recovery Correspondence Address: -</p>
7	626	SE	433228 409781	<p>Site Address: Mapplewell Industrial Park, Mapplewell Drive, Mapplewell, Barnsley, South Yorkshire, S75 6BS Type: Vehicle Depollution Facility <5000 tps Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: PQU001 EPR reference: EA/EPR/LP3490VX/V003 Operator: Qualter-Smith Paul Anthony Waste Management licence No: 65486 Annual Tonnage: 4999.0</p> <p>Issue Date: 10/09/2007 Effective Date: - Modified: 27/11/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: Q N Q Motor Services Uk Ltd Correspondence Address: -</p>
Not shown	929	SE	433400 409500	<p>Site Address: Land/premises At, Wentworth Road, Mapplewell, Barnsley, South Yorkshire, S75 6BS Type: Metal Recycling Site (Vehicle Dismantler) Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MAP001 EPR reference: EA/EPR/AP3890ZG/A001 Operator: Mapplewell Auto Salvage Waste Management licence No: 60555 Annual Tonnage: 5000.0</p> <p>Issue Date: 22/11/1996 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Mapplewell Auto Salvage Correspondence Address: -</p>
Not shown	929	SE	433400 409500	<p>Site Address: Wentworth Road, Mapplewell, Barnsley, S Yorks, S75 6BS Type: Metal Recycling Site (Vehicle Dismantler) Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MAP001 EPR reference: - Operator: Mapplewell Autosalvage Waste Management licence No: 60555 Annual Tonnage: 0.0</p> <p>Issue Date: 22/11/1996 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Mapplewell Auto Salvage Correspondence Address: Wentworth Road, Mapplewell, Barnsley, S Yorks, S75 6BS</p>



4. Current Land Use Map



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Site Outline

★ Current Industrial Sites

— Electricity Transmission Cables

— 250 Search Buffers (m)
— 500

● Petrol & Fuel Sites

— Gas Transmission Pipelines

4. Current Land Uses

4.1 Current Industrial Data

Records of potentially contaminative industrial sites within 250m of the study site:

6

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

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
1	28	NW	Gas Valve Compound	432665 410155	Gas Valve Compound, S75	Gas Features	Infrastructure and Facilities
2	102	SE	Electricity Sub Station	432780 410054	Electricity Sub Station, S75	Electrical Features	Infrastructure and Facilities
3A	110	E	Yorkshire Conservatories	432795 410071	Yorkshire Conservatories, The Old Clinic, Towngate, Mapplewell, Barnsley, S75 6AS	Conservatories	Consumer Products
4A	112	E	Depot	432797 410071	Depot, S75	Container and Storage	Transport, Storage and Delivery
5	142	SE	Tank	432804 410015	Tank, S75	Tanks (Generic)	Industrial Features
6	212	S	Glas Weld	432631 409892	Glas Weld, 10, Longlands Drive, Mapplewell, Barnsley, S75 6LP	Vehicle Repair, Testing and Servicing	Repair and Servicing

4.2 Petrol and Fuel Sites

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

0

Database searched and no data found.

4.3 National Grid High Voltage Underground Electricity Transmission Cables

This dataset identifies the high voltage electricity transmission lines running between generating power plants and electricity substations. The dataset does not include the electricity distribution network (smaller, lower voltage cables distributing power from substations to the local user network). This information has been extracted from databases held by National Grid and is provided for information only with no guarantee as to its completeness or accuracy. National Grid do not offer any warranty as to the accuracy of the available data and are excluded from any liability for any such inaccuracies or errors.

Records of National Grid high voltage underground electricity transmission cables within 500m of the study site:

0

Database searched and no data found.



4.4 National Grid High Pressure Gas Transmission Pipelines

This dataset identifies high-pressure, large diameter pipelines which carry gas between gas terminals, power stations, compressors and storage facilities. The dataset does not include the Local Transmission System (LTS) which supplies gas directly into homes and businesses. This information has been extracted from databases held by National Grid and is provided for information only with no guarantee as to its completeness or accuracy. National Grid do not offer any warranty as to the accuracy of the available data and are excluded from any liability for any such inaccuracies or errors.

Records of National Grid high pressure gas transmission pipelines within 500m of the study site: 0

Database searched and no data found.

5. Geology

5.1 Artificial Ground and Made Ground

Database searched and no data found.

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

5.2 Superficial Ground and Drift Geology

Database searched and no data found.

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

5.3 Bedrock and Solid Geology

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

Lex Code	Description	Rock Type
KNR-SDST	KENT'S ROCK	SANDSTONE
PMCM-SDST	PENNINE MIDDLE COAL MEASURES FORMATION	SANDSTONE
PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION	MUDSTONE, SILTSTONE AND SANDSTONE

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