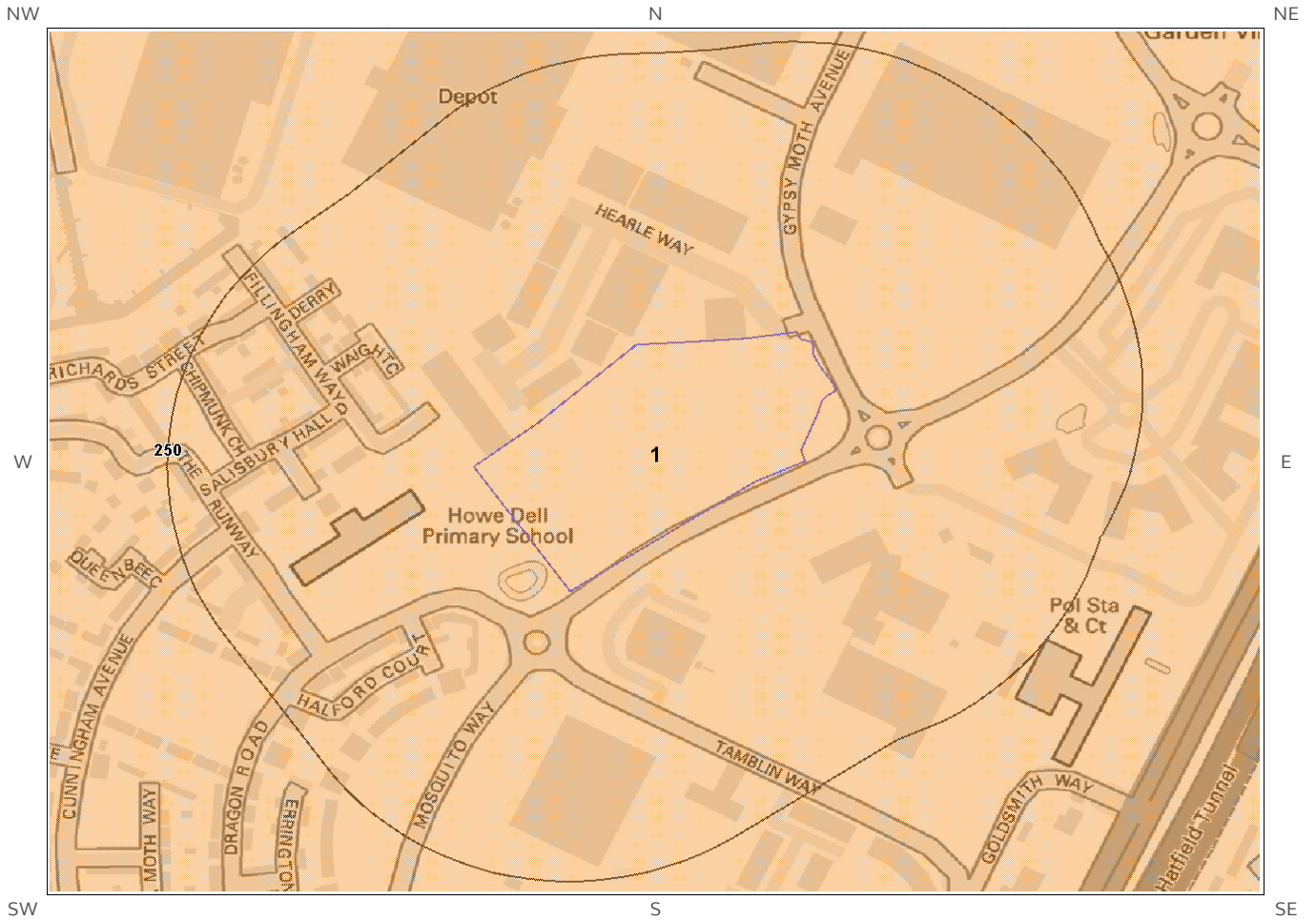


6 Natural Ground Subsidence

6.1 Shrink-Swell Clay map

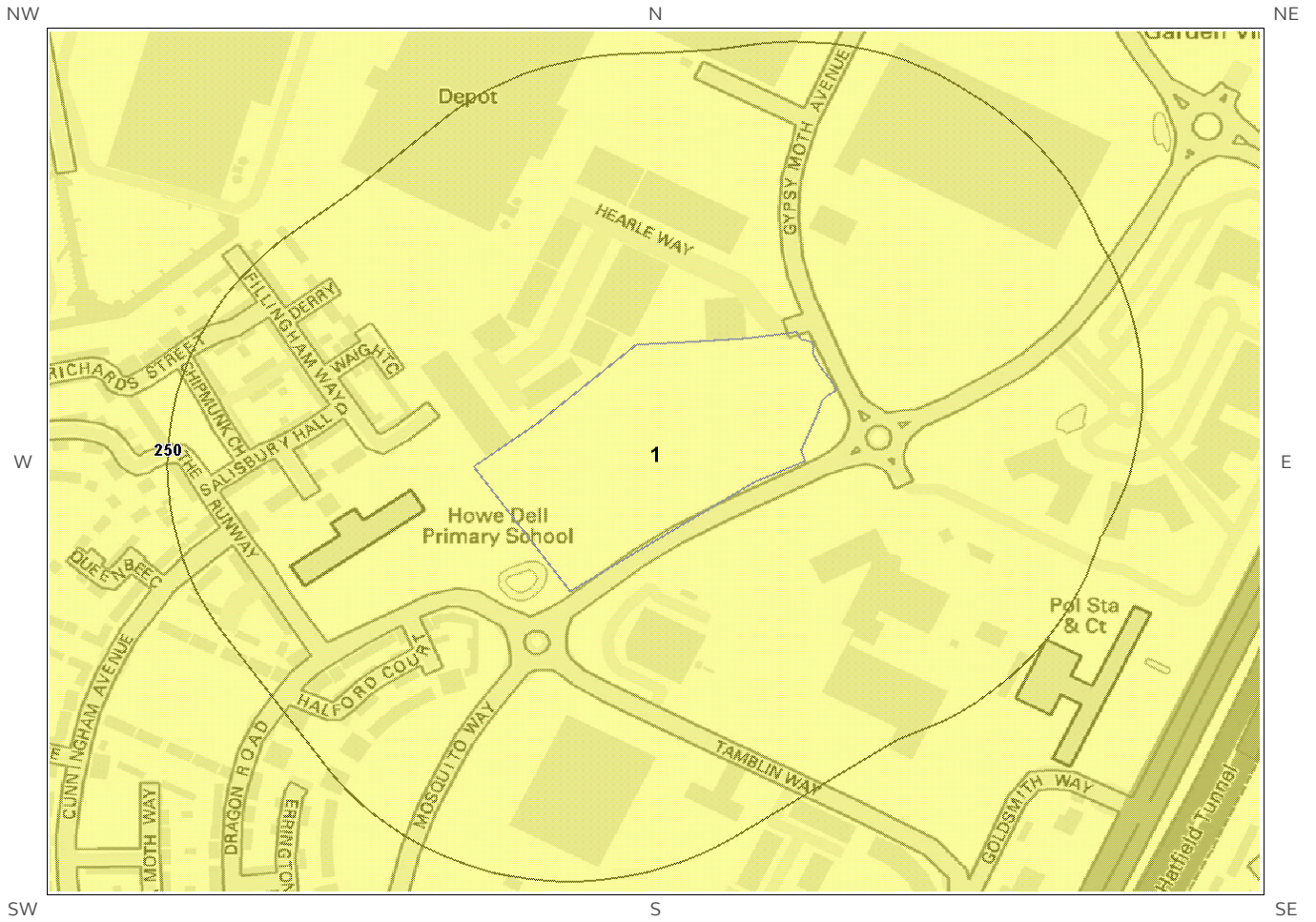


Shrink Swell Clay Legend

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6.2 Landslides map

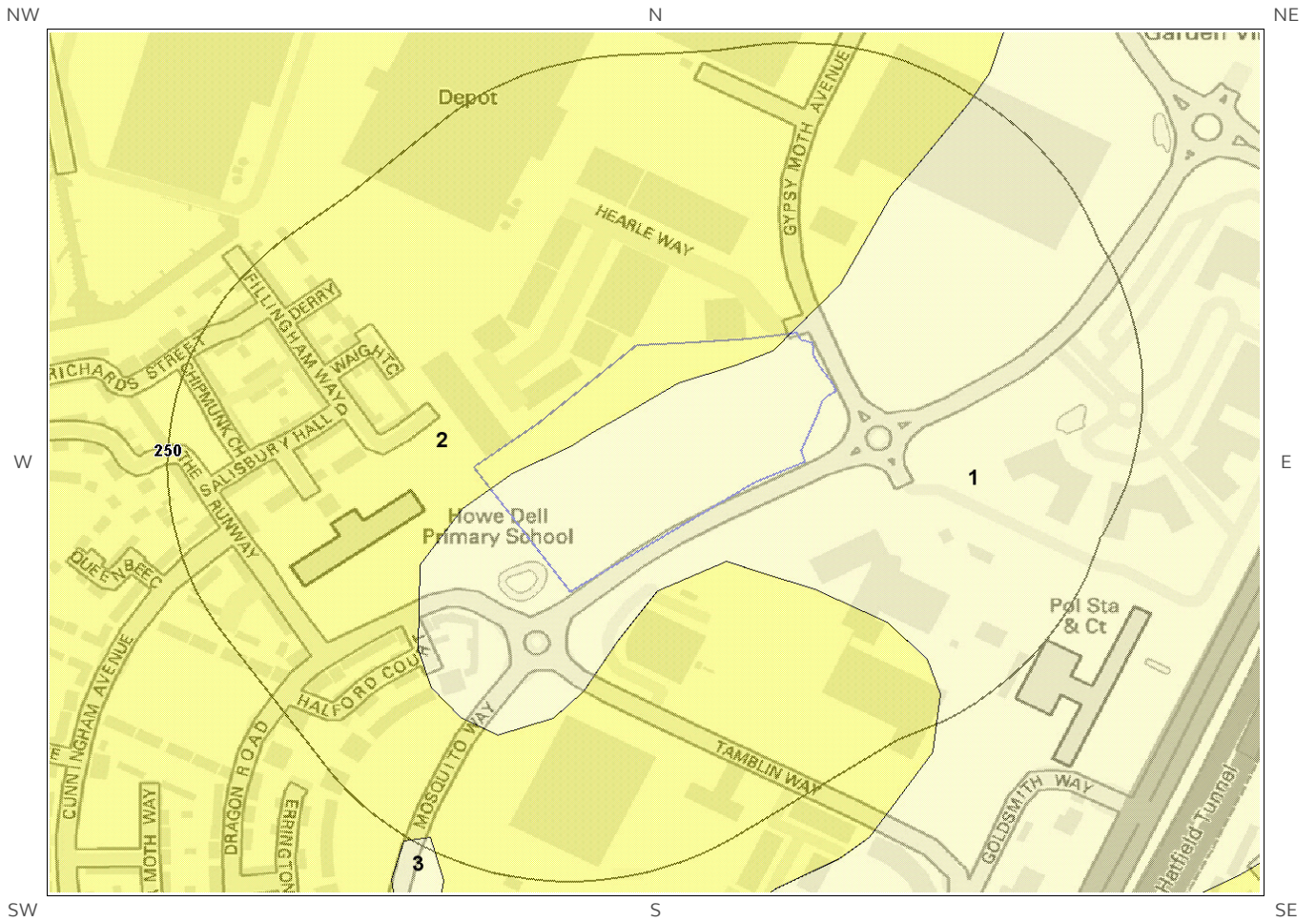


Landslides Legend

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6.3 Ground Dissolution of Soluble Rocks map

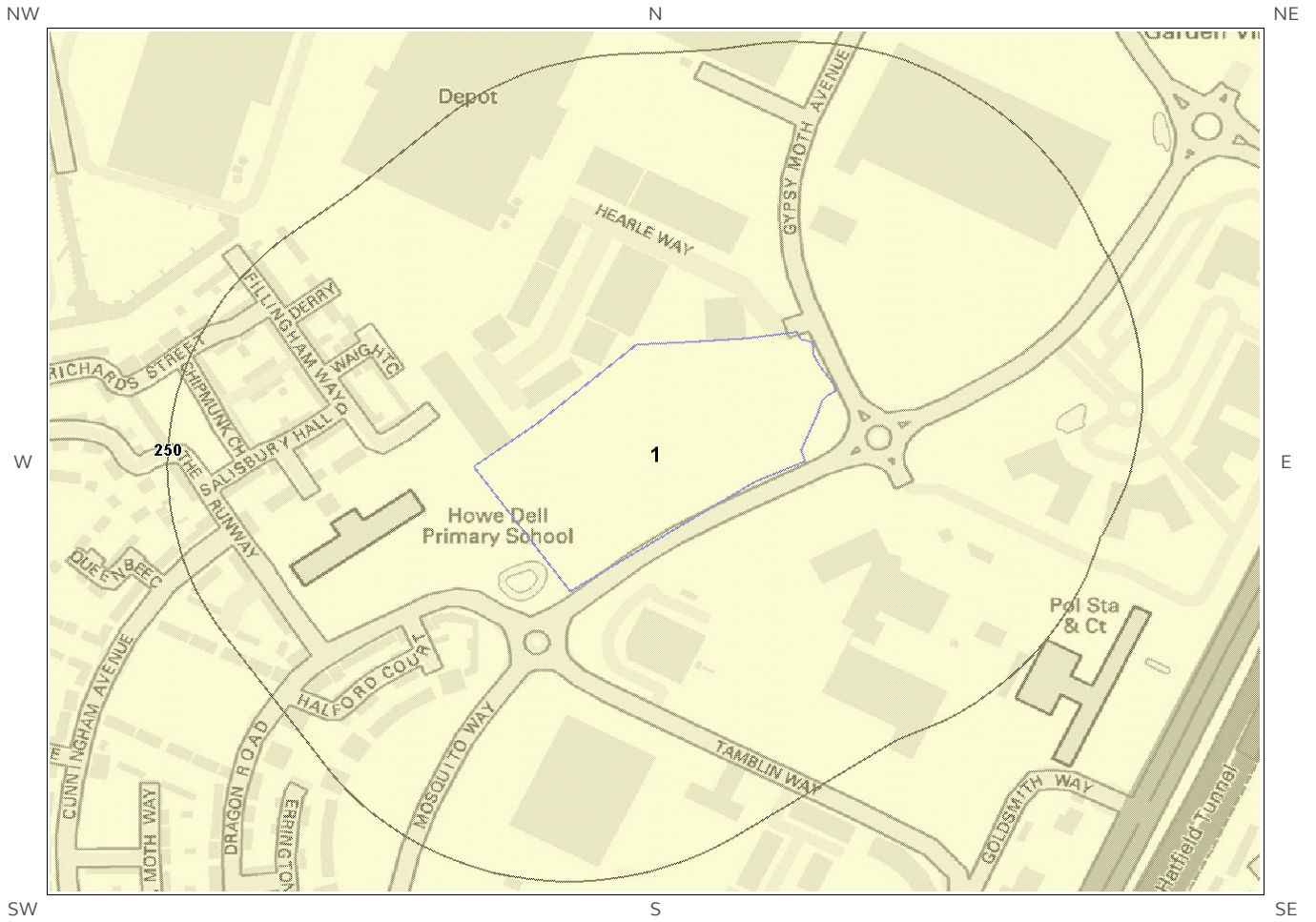


Ground Dissolution Soluble Rocks Legend

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6.4 Compressible Deposits map

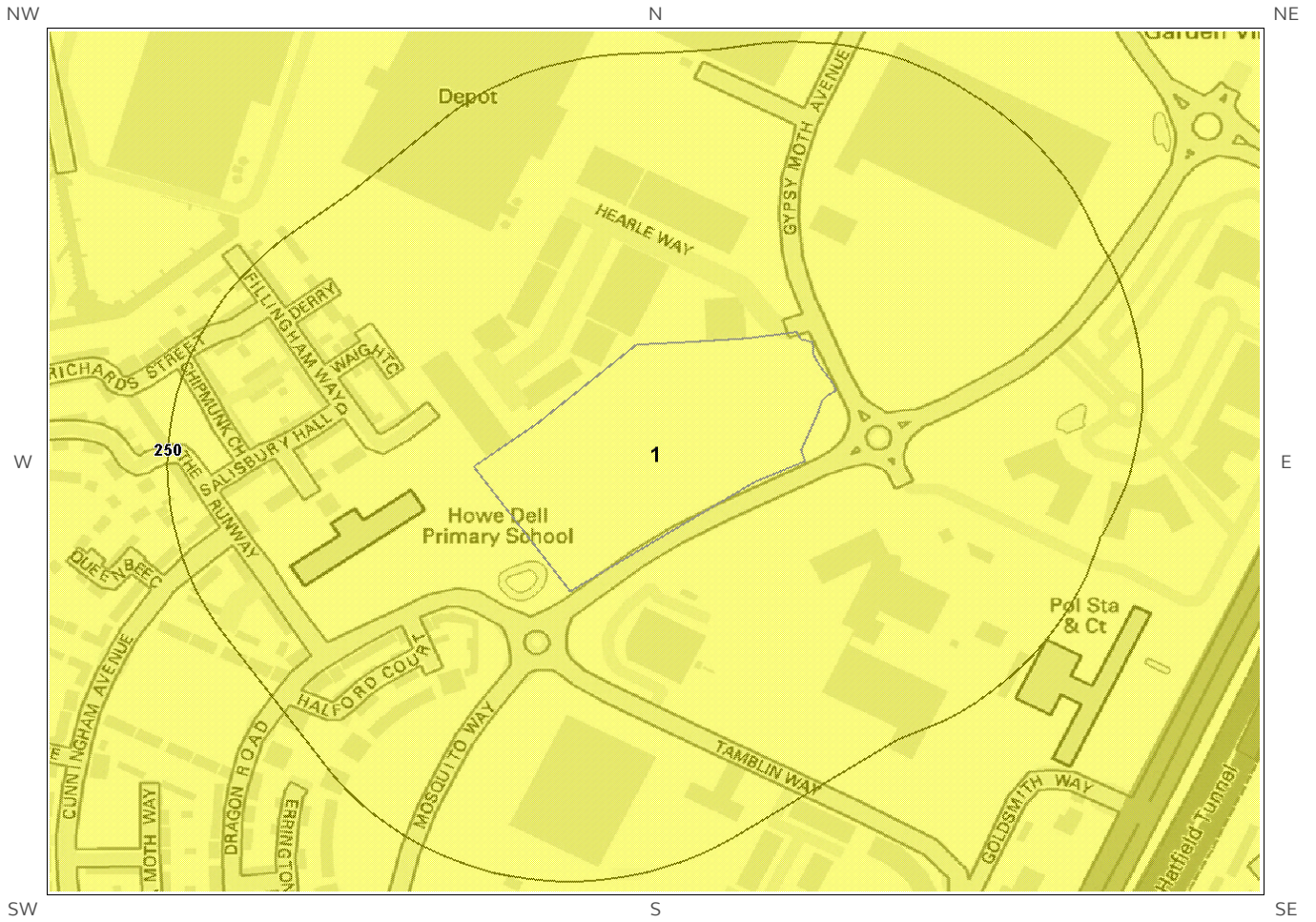


Compressible Deposits Legend

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6.5 Collapsible Deposits map

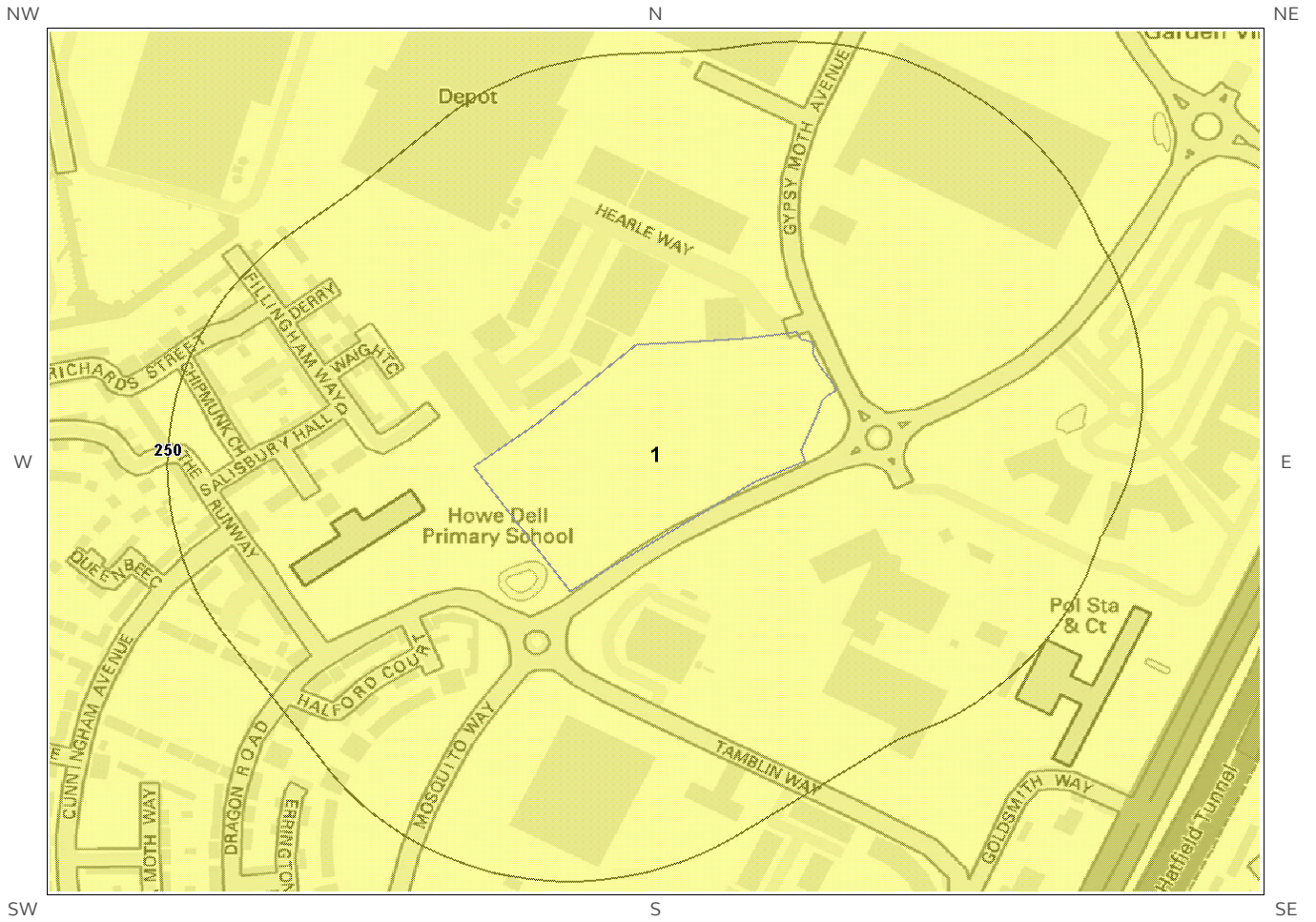


Collapsible Deposits Legend

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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	Low	Ground conditions predominantly medium plasticity. Do not plant trees with high soil moisture demands near to buildings. For new build, consideration should be given to advice published by the National House Building Council (NHBC) and the Building Research Establishment (BRE). There is a possible increase in construction cost to reduce potential shrink-swell problems. For existing property, there is a possible increase in insurance risk, especially during droughts or where vegetation with high moisture demands is present.

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.
2	0.0	On Site	Very Low	Significant soluble rocks are present. Problems unlikely except with considerable surface or subsurface water flow. No special actions required to avoid problems due to soluble rocks. No special ground investigation required or increased construction costs are likely. An increase in financial risk due to potential problems with soluble rocks is unlikely.

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:

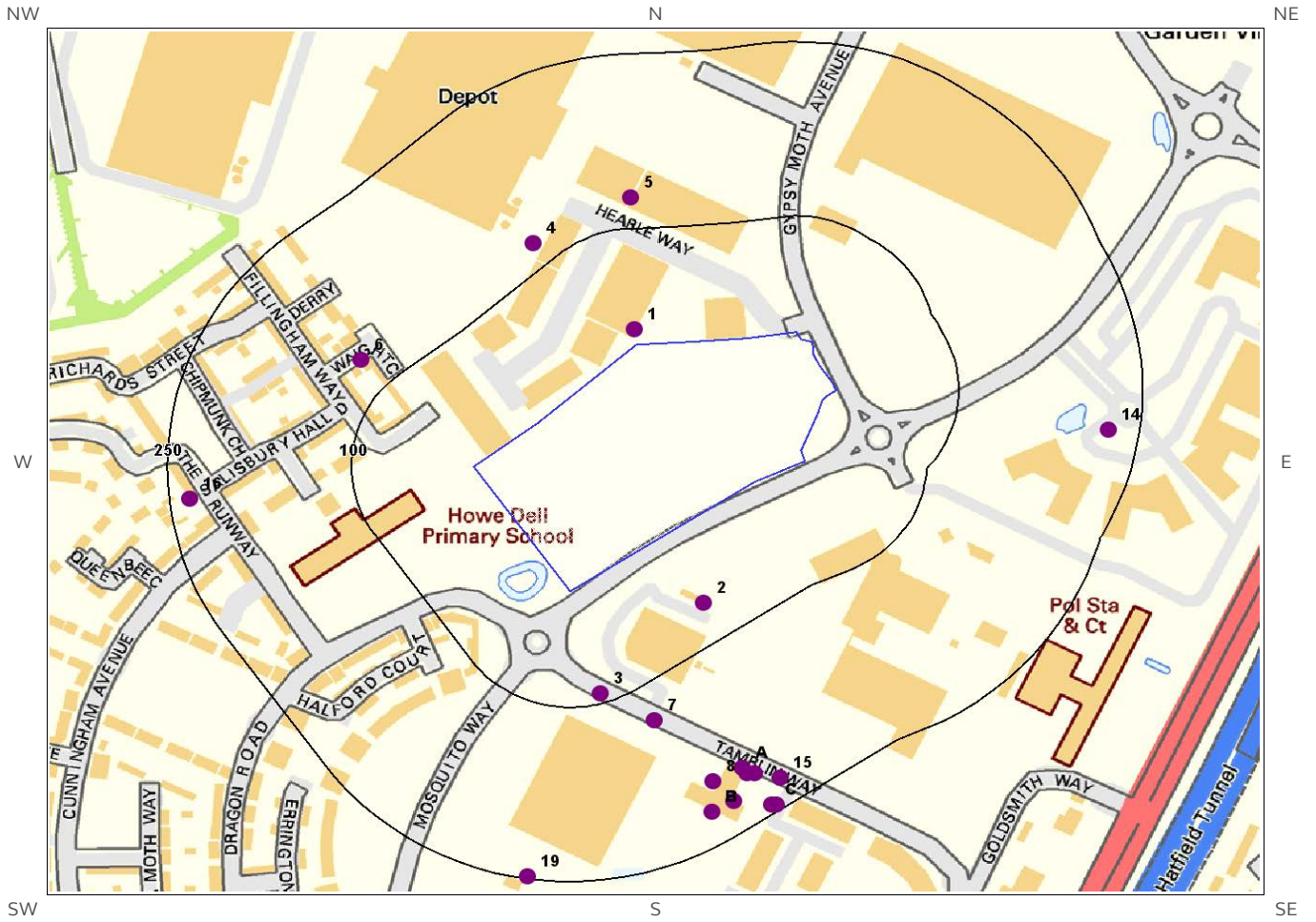
ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Very Low	Deposits with potential to collapse when loaded and saturated are unlikely to be present. No special ground investigation required or increased construction costs or increased financial risk due to potential problems with collapsible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

6.6 Running Sands

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



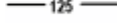

ID	Distance (m)	Direction	Hazard Rating	Details
1	0.0	On Site	Very Low	Very low potential for running sand problems if water table rises or if sandy strata are exposed to water. No special actions required, to avoid problems due to running sand. No special ground investigation required, and increased 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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-  Site Outline
-  Borehole Locations
-  125 Search Buffers (m)
-  250 Search Buffers (m)

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:

19

ID	Distance (m)	Direction	NGR	BGS Reference	Drilled Length	Borehole Name
1	12.0	N	521323 209246	TL20NW501	15.2	HATFIELD AERODROME UNIVERSITY SITE BH 7
2	66.0	SE	521379 209011	TL20NW500	22.0	HATFIELD AERODROME UNIVERSITY SITE BH 11
3	91.0	S	521295 208933	TL20NW315	2.5	COMET SQUARE HATFIELD TP24
4	121.0	NW	521240 209320	TL20NW2	1.52	HATFIELD RUNWAY 2
5	126.0	N	521320 209360	TL20NW1	2.28	HATFIELD RUNWAY 1
6	130.0	NW	521100 209220	TL20NW3	1.21	HATFIELD RUNWAY 3
7	131.0	SE	521339 208910	TL20NW316	3.0	COMET SQUARE HATFIELD TP25
8	201.0	SE	521387 208857	TL20NW276	11.6	COMET SQUARE HATFIELD 1
9A	203.0	SE	521411 208869	TL20NW345	3.2	COMET SQUARE HATFIELD TP55
10A	210.0	SE	521415 208864	TL20NW344	0.8	COMET SQUARE HATFIELD TP54
11A	213.0	SE	521421 208864	TL20NW343	3.3	COMET SQUARE HATFIELD TP53
12B	222.0	SE	521386 208831	TL20NW291	3.3	COMET SQUARE HATFIELD TP1
13B	224.0	SE	521404 208840	TL20NW292	2.9	COMET SQUARE HATFIELD TP2
14	225.0	E	521710 209160	TL20NW443	10.0	TIME DEVELOPMENT HATFIELD PHASE II 1
15	228.0	SE	521442 208860	TL20NW318	3.3	COMET SQUARE HATFIELD TP27
16	234.0	W	520960 209100	TL20NW4	1.52	HATFIELD RUNWAY 4
17C	243.0	SE	521435 208837	TL20NW277	0.8	COMET SQUARE HATFIELD 2
18C	245.0	SE	521439 208837	TL20NW278	14.0	COMET SQUARE HATFIELD 2A
19	249.0	S	521236 208775	TL20NW312	2.5	COMET SQUARE HATFIELD TP21

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.

- #1: scans.bgs.ac.uk/sobi_scans/boreholes/8930574
 - #2: scans.bgs.ac.uk/sobi_scans/boreholes/8930573
 - #3: scans.bgs.ac.uk/sobi_scans/boreholes/7283100
 - #4: scans.bgs.ac.uk/sobi_scans/boreholes/532456
 - #5: scans.bgs.ac.uk/sobi_scans/boreholes/532455
 - #6: scans.bgs.ac.uk/sobi_scans/boreholes/532457
 - #7: scans.bgs.ac.uk/sobi_scans/boreholes/7283101
 - #8: scans.bgs.ac.uk/sobi_scans/boreholes/7282966
 - #9A: scans.bgs.ac.uk/sobi_scans/boreholes/7283155
 - #10A: scans.bgs.ac.uk/sobi_scans/boreholes/7283154
 - #11A: scans.bgs.ac.uk/sobi_scans/boreholes/7283153
 - #12B: scans.bgs.ac.uk/sobi_scans/boreholes/7283014
 - #13B: scans.bgs.ac.uk/sobi_scans/boreholes/7283017
 - #14: scans.bgs.ac.uk/sobi_scans/boreholes/8411927
 - #15: scans.bgs.ac.uk/sobi_scans/boreholes/7283103
 - #16: scans.bgs.ac.uk/sobi_scans/boreholes/532458
 - #17C: scans.bgs.ac.uk/sobi_scans/boreholes/7282969
 - #18C: scans.bgs.ac.uk/sobi_scans/boreholes/7282971
 - #19: scans.bgs.ac.uk/sobi_scans/boreholes/7283096
-

8 Estimated Background Soil Chemistry

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

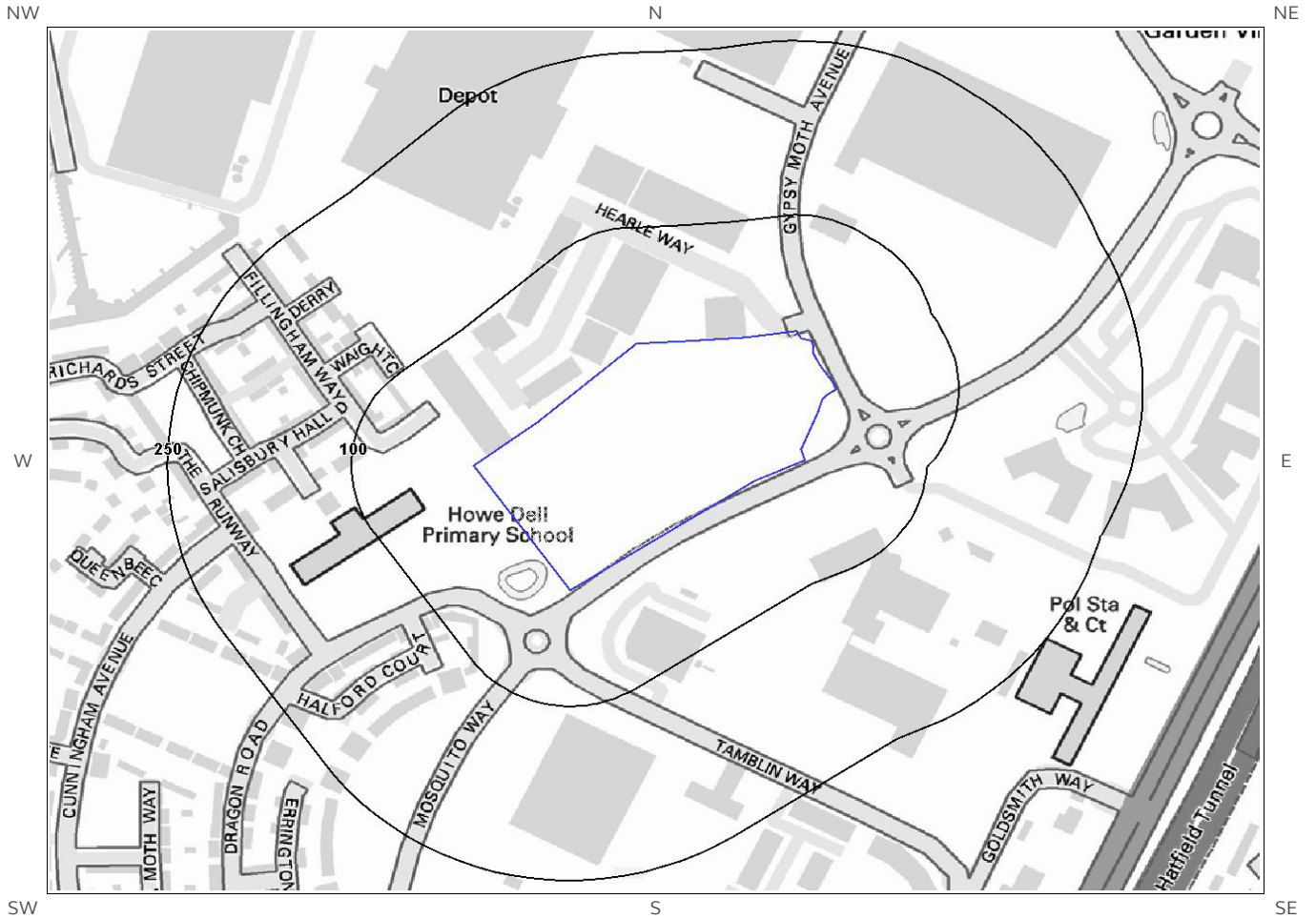
4

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 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	100 - 200 mg/kg
12.0	E	RuralSoil	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	100 - 200 mg/kg
21.0	S	RuralSoil	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	100 - 200 mg/kg
21.0	S	RuralSoil	<15 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	100 - 200 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)
	250 Search Buffers (m)		Railway Tunnel (OS Mapping)		High Speed 2
	500 Search Buffers (m)		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.

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BGS Geological Hazards Reports and general geological enquiries



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<https://www.groundsure.com/terms-and-conditions-feb11-2019>



EmapSite

Masdar House, 1 Reading Road,
Eversley, RG27 0RP

Groundsure Reference: EMS-529016_711475

Your Reference: EMS_529016_711475

Report Date 25 Feb 2019

Report Delivery Method: Email - pdf

Enviro Insight

Address: Hatfield Business Park Plot 5100,

Dear Sir/ Madam,

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

If you would like further assistance regarding this report then please contact the emapsite customer services team on 0118 9736883 quoting the above report reference number.

Yours faithfully,

emapsite customer services team

Enc.
Groundsure Enviroinsight

Address: Hatfield Business Park Plot 5100,
Date: 25 Feb 2019
Reference: EMS-529016_711475
Client: EmapSite

NW

N

NE



W

E

SW

S

SE

Aerial Photograph Capture date: 23-Jul-2016
Grid Reference: 521341,209146
Site Size: 3.6223ha

Report Reference: EMS-529016_711475
Client Reference: EMS_529016_711475

Contents Page

Contents Page	3
Overview of Findings	6
Using this report	10
1. Historical Land Use	11
1. Historical Industrial Sites	12
1.1 Potentially Contaminative Uses identified from 1:10,000 scale Mapping	12
1.2 Additional Information – Historical Tank Database	12
1.3 Additional Information – Historical Energy Features Database	13
1.4 Additional Information – Historical Petrol and Fuel Site Database	14
1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database	14
1.6 Historical military sites	15
1.7 Potentially Infilled Land	15
2. Environmental Permits, Incidents and Registers Map	16
2. Environmental Permits, Incidents and Registers	17
2.1 Industrial Sites Holding Licences and/or Authorisations	17
2.1.1 Records of historic IPC Authorisations within 500m of the study site	17
2.1.2 Records of Part A(1) and IPPC Authorised Activities within 500m of the study site	17
2.1.3 Records of Red List Discharge Consents (potentially harmful discharges to controlled waters) within 500m of the study site	17
2.1.4 Records of List 1 Dangerous Substances Inventory Sites within 500m of the study site	17
2.1.5 Records of List 2 Dangerous Substance Inventory Sites within 500m of the study site	17
2.1.6 Records of Part A(2) and Part B Activities and Enforcements within 500m of the study site	18
2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations	18
2.1.8 Records of Licensed Discharge Consents within 500m of the study site	18
2.1.9 Records of Water Industry Referrals (potentially harmful discharges to the public sewer) within 500m of the study site	19
2.1.10 Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site	19
2.2 Dangerous or Hazardous Sites	19
2.3 Environment Agency/Natural Resources Wales Recorded Pollution Incidents	19
2.3.1 Records of National Incidents Recording System, List 2 within 500m of the study site	19
2.3.2 Records of National Incidents Recording System, List 1 within 500m of the study site	20
2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990	20
3. Landfill and Other Waste Sites Map	21
3. Landfill and Other Waste Sites	22
3.1 Landfill Sites	22
3.1.1 Records from Environment Agency/Natural Resources Wales landfill data within 1000m of the study site	22
3.1.2 Records of Environment Agency/Natural Resources Wales historic landfill sites within 1500m of the study site	22
3.1.3 Records of BGS/DoE non-operational landfill sites within 1500m of the study site	23
3.1.4 Records of Landfills from Local Authority and Historical Mapping Records within 1500m of the study site	23
3.2 Other Waste Sites	23
3.2.1 Records of waste treatment, transfer or disposal sites within 500m of the study site	23
3.2.2 Records of Environment Agency/Natural Resources Wales licensed waste sites within 1500m of the study site	23
4. Current Land Use Map	26
4. Current Land Uses	27
4.1 Current Industrial Data	27
4.2 Petrol and Fuel Sites	28
4.3 National Grid High Voltage Underground Electricity Transmission Cables	28
4.4 National Grid High Pressure Gas Transmission Pipelines	29



5. Geology	30
5.1 Artificial Ground and Made Ground.....	30
5.2 Superficial Ground and Drift Geology	30
5.3 Bedrock and Solid Geology	30
6 Hydrogeology and Hydrology	31
6a. Aquifer Within Superficial Geology	31
6b. Aquifer Within Bedrock Geology and Abstraction Licences	32
6c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licences	33
6d. Hydrogeology – Source Protection Zones within confined aquifer	34
6e. Hydrology – Watercourse Network and River Quality	35
6.Hydrogeology and Hydrology	36
6.1 Aquifer within Superficial Deposits.....	36
6.2 Aquifer within Bedrock Deposits.....	36
6.3 Groundwater Abstraction Licences.....	37
6.4 Surface Water Abstraction Licences.....	39
6.5 Potable Water Abstraction Licences.....	40
6.6 Source Protection Zones.....	41
6.7 Source Protection Zones within Confined Aquifer.....	41
6.8 Groundwater Vulnerability and Soil Leaching Potential.....	41
6.9 River Quality.....	41
6.9.1 Biological Quality:.....	42
6.9.2 Chemical Quality:.....	42
6.10 Ordnance Survey MasterMap Water Network.....	42
6.11 Surface Water Features.....	42
7a. Environment Agency/Natural Resources Wales Flood Map for Planning (from rivers and the sea)	43
7b. Environment Agency/Natural Resources Wales Risk of Flooding from Rivers and the Sea (RoFRaS)	44
Map	44
7 Flooding	45
7.1 River and Coastal Zone 2 Flooding.....	45
7.2 River and Coastal Zone 3 Flooding.....	45
7.3 Risk of Flooding from Rivers and the Sea (RoFRaS) Flood Rating.....	45
7.4 Flood Defences.....	45
7.5 Areas benefiting from Flood Defences.....	45
7.6 Areas benefiting from Flood Storage.....	46
7.7 Groundwater Flooding Susceptibility Areas.....	46
7.8 Groundwater Flooding Confidence Areas.....	46
8. Designated Environmentally Sensitive Sites Map	47
8. Designated Environmentally Sensitive Sites	48
8.1 Records of Sites of Special Scientific Interest (SSSI) within 2000m of the study site:.....	48
8.2 Records of National Nature Reserves (NNR) within 2000m of the study site:.....	48
8.3 Records of Special Areas of Conservation (SAC) within 2000m of the study site:.....	48
8.4 Records of Special Protection Areas (SPA) within 2000m of the study site:.....	48
8.5 Records of Ramsar sites within 2000m of the study site:.....	48
8.6 Records of Ancient Woodland within 2000m of the study site:	49
8.7 Records of Local Nature Reserves (LNR) within 2000m of the study site:.....	49
8.8 Records of World Heritage Sites within 2000m of the study site:.....	49
8.9 Records of Environmentally Sensitive Areas within 2000m of the study site:	49
8.10 Records of Areas of Outstanding Natural Beauty (AONB) within 2000m of the study site:	49
8.11 Records of National Parks (NP) within 2000m of the study site:	50
8.12 Records of Nitrate Sensitive Areas within 2000m of the study site:.....	50
8.13 Records of Nitrate Vulnerable Zones within 2000m of the study site:.....	50



8.14 Records of Green Belt land within 2000m of the study site:.....	50
9. Natural Hazards Findings.....	52
9.1 Detailed BGS GeoSure Data.....	52
9.1.1 Shrink Swell.....	52
9.1.2 Landslides.....	52
9.1.3 Soluble Rocks.....	52
9.1.4 Compressible Ground.....	53
9.1.5 Collapsible Rocks.....	53
9.1.6 Running Sand.....	53
9.2 Radon.....	54
9.2.1 Radon Affected Areas.....	54
9.2.2 Radon Protection.....	54
10. Mining.....	55
10.1 Coal Mining.....	55
10.2 Non-Coal Mining.....	55
10.3 Brine Affected Areas	55
Contact Details.....	56
Standard Terms and Conditions.....	58

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	4	2	0	8
1.2 Additional Information – Historical Tank Database	0	0	13	21
1.3 Additional Information – Historical Energy Features Database	0	1	3	13
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	8	6	16
1.6 Historical military sites	0	0	0	0
1.7 Potentially Infilled Land	0	0	0	5
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	2
2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations	0	0	1	0
2.1.8 Records of Licensed Discharge Consents	0	0	0	2
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	8
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	1	Not searched
3.1.2 Environment Agency/Natural Resources Wales Historic Landfill Sites	0	0	0	0	0	2
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	1	0	0	7

Section 4: Current Land Use	On-site	0-50m	51-250	251-500
4.1 Current Industrial Sites Data	0	4	21	Not searched
4.2 Records of Petrol and Fuel Sites	0	0	0	1
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	0-500m
5.1 Records of Artificial Ground and Made Ground present beneath the study site	None identified
5.2 Records of Superficial Ground and Drift Geology present beneath the study site	Identified
5.3 For records of Bedrock and Solid Geology beneath the study site see the detailed findings section.	

Section 6: Hydrogeology and Hydrology	On-site	0-50m	51-250	251-500	501-1000	1000-2000
0-500m						
6.1 Records of Strata Classification in the Superficial Geology within 500m of the study site				Identified		
6.2 Records of Strata Classification in the Bedrock Geology within 500m of the study site				Identified		
6.3 Groundwater Abstraction Licences (within 2000m of the study site)	0	0	0	0	10	8
6.4 Surface Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	1
6.5 Potable Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	2	2
6.6 Source Protection Zones (within 500m of the study site)	1	0	1	1	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)	2	0	0	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 Environment Agency/Natural Resources Wales information on river quality within 1500m of the study site	No	No	No	No	No	No
6.10 Ordnance Survey MasterMap Water Network entries within 500m of the site	0	0	0	0	Not searched	Not searched
6.11 Surface water features within 250m of the study site	No	Yes	No	Not searched	Not searched	Not searched

Section 7: Flooding

7.1 Environment Agency Zone 2 floodplains within 250m of the study site	None identified					
7.2 Environment Agency/Natural Resources Wales Zone 3 floodplains within 250m of the study site	None identified					
7.3 Risk of flooding from Rivers and the Sea (RoFRaS) rating for the study site	Very Low					
7.4 Flood Defences within 250m of the study site	None identified					
7.5 Areas benefiting from Flood Defences within 250m of the study site	None identified					
7.6 Areas used for Flood Storage within 250m of the study site	None identified					
7.7 Maximum BGS Groundwater Flooding susceptibility within 50m of the study site	Limited potential					
7.8 BGS confidence rating for the Groundwater Flooding susceptibility areas	High					

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	2
8.7 Records of Local Nature Reserves (LNR)	0	0	0	0	0	2
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	2	0	1	0	3	5
8.14 Records of Green Belt land	0	0	0	1	3	6

Section 9: Natural Hazards

9.1 Maximum risk of natural ground subsidence	Low
9.1.1 Maximum Shrink-Swell hazard rating identified on the study site	Low
9.1.2 Maximum Landslides hazard rating identified on the study site	Very Low
9.1.3 Maximum Soluble Rocks hazard rating identified on the study site	Very Low
9.1.4 Maximum Compressible Ground hazard rating identified on the study site	Negligible
9.1.5 Maximum Collapsible Rocks hazard rating identified on the study site	Very Low
9.1.6 Maximum Running Sand hazard rating identified on the study site	Very 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 site is not in a Radon Affected Area, as less than 1% 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?	No radon protective measures are necessary.

Section 10: Mining

10.1 Coal mining areas within 75m of the study site	None identified
10.2 Non-Coal Mining areas within 50m of the study site boundary	Identified
10.3 Brine affected areas within 75m of the study site	None identified

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 licences, 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.

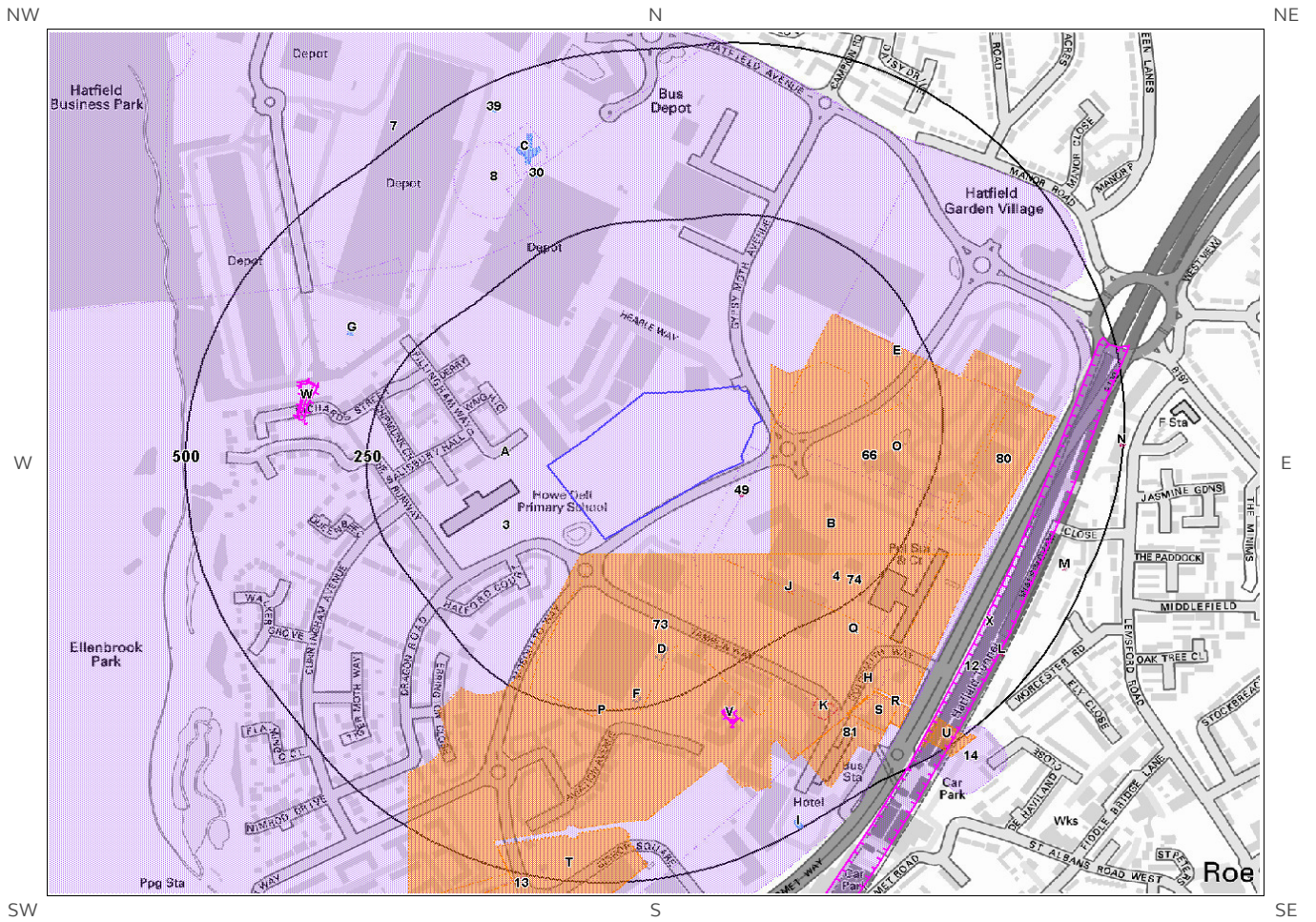
Note: Maps

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).

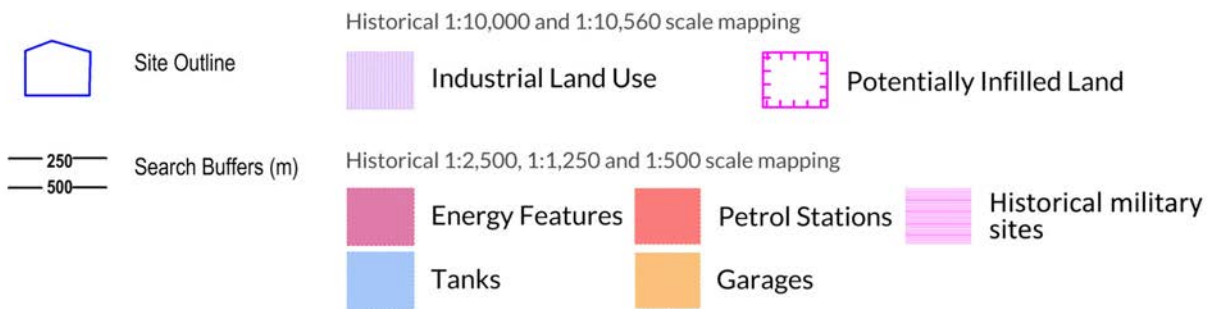
Where a feature is reported in the data tables to a distance greater than the map area, it is noted in the data table as "Not Shown".

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: 14

ID	Distance [m]	Direction	Use	Date
1A	0	On Site	Aerodrome	1973
2A	0	On Site	Aerodrome	1988
3	0	On Site	Aerodrome	1971
4	0	On Site	Unspecified Commercial/Industrial	1938
5B	12	SE	Aircraft Works	1988
6B	12	SE	Aircraft Works	1973
7	275	NW	Unspecified Works	1971
8	318	NW	Rifle Range	1938
9C	359	NW	Unspecified Tank	1988
10C	359	NW	Unspecified Tank	1973
11X	397	E	Tunnel	1988
12	428	SE	Unspecified Tank	1973
13	480	S	Aircraft Works	1988
14	494	SE	Pumping Station	1938

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: 34

ID	Distance (m)	Direction	Use	Date
15D	173	SE	Tanks	1976
16D	173	SE	Tanks	1993
17D	174	SE	Tanks	1976
18D	180	SE	Tanks	1988
19E	206	NE	Unspecified Tank	1988
20E	206	NE	Unspecified Tank	1988
21E	206	NE	Unspecified Tank	1988
22E	206	NE	Unspecified Tank	1990
23E	207	NE	Unspecified Tank	1976

24F	230	S	Unspecified Tank	1993
25F	231	S	Unspecified Tank	1976
26F	231	S	Unspecified Tank	1988
27F	231	S	Unspecified Tank	1988
28G	329	NW	Unspecified Tank	1970
29G	330	NW	Unspecified Tank	1993
30	347	NW	Unspecified Tank	1970
31H	358	SE	Unspecified Tank	1988
32H	358	SE	Unspecified Tank	1992
33H	358	SE	Unspecified Tank	1986
34H	358	SE	Unspecified Tank	1988
35H	358	SE	Unspecified Tank	1988
36H	358	SE	Unspecified Tank	1990
37C	369	NW	Unspecified Tank	1994
38C	370	NW	Unspecified Tank	1970
39	458	NW	Unspecified Tank	1970
40I	486	SE	Tanks	1960
41I	486	SE	Tanks	1969
42I	486	SE	Tanks	1988
43I	486	SE	Tanks	1986
44I	486	SE	Tanks	1988
45I	486	SE	Tanks	1988
46I	486	SE	Tanks	1990
47I	486	SE	Tanks	1992
48I	486	SE	Tanks	1970

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:

17

ID	Distance (m)	Direction	Use	Date
49	37	SE	Electricity Substation	1992
50J	192	SE	Electricity Substation	1970
51J	192	SE	Electricity Substation	1969
52J	192	SE	Electricity Substation	1986
53K	352	SE	Electricity Substation	1969
54K	352	SE	Electricity Substation	1986
55K	359	SE	Electricity Substation	1970
56R	408	SE	Electricity Substation	1992
57L	447	SE	Electricity Substation	1986
58L	448	SE	Electricity Substation	1969

59L	448	SE	Electricity Substation	1970
60M	467	E	Electricity Substation	1992
61M	467	E	Electricity Substation	1990
62N	491	E	Electricity Substation	1988
63N	491	E	Electricity Substation	1988
64N	491	E	Electricity Substation	1988
65N	492	E	Electricity Substation	1976

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: 30

ID	Distance (m)	Direction	Use	Date
66	12	E	Aircraft Works	1976
67O	18	SE	Aircraft Works	1988
68O	18	SE	Aircraft Works	1990
69O	18	SE	Aircraft Works	1988
70P	21	S	Aircraft Works	1988
71P	21	S	Aircraft Works	1988
72P	21	S	Aircraft Works	1976
73	22	S	Aircraft Works	1976
74	98	SE	Aircraft Works	1970
75Q	137	SE	Aircraft Works	1969
76Q	137	SE	Aircraft Works	1988
77Q	137	SE	Aircraft Works	1990
78Q	137	SE	Aircraft Works	1988
79Q	137	SE	Aircraft Works	1986
80	295	SE	Aircraft Works	1976
81	378	SE	Garage	1960
82R	379	SE	Garage	1969
83R	379	SE	Garage	1970
84S	380	SE	Garage	1990

85S	380	SE	Garage	1988
86S	380	SE	Garage	1988
87S	380	SE	Garage	1988
88R	380	SE	Garage	1986
89S	380	SE	Garage	1992
90T	420	S	Aircraft Works	1988
91T	420	S	Aircraft Works	1988
92T	421	S	Aircraft Works	1976
93U	455	SE	Garage	1970
94U	463	SE	Garage	1969
95U	463	SE	Garage	1960

1.6 Historical military sites

Certain military installations were not noted on historic mapping for security reasons. Whilst not all military land is necessarily of concern, Groundsure has researched and digitised a number of Ordnance Factories and other military industrial features (e.g. Ordnance Depots, Munitions Testing Grounds) which may be of contaminative concern. This research was drawn from a number of different sources, and should not be regarded as a definitive or exhaustive database of potentially contaminative military installations. The boundaries of sites within this database have been estimated from the best evidence available to Groundsure at the time of compilation.

Records of historical military sites within 500m of the search boundary: 0

Database searched and no data found.

1.7 Potentially Infilled Land

Records of Potentially Infilled Features from 1:10,000 scale mapping within 500m of the study site: 5

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

ID	Distance(m)	Direction	Use	Date
96V	297	SE	Pool	1971
97V	301	SE	Pool	1938
98W	337	W	Pond	1879
99W	342	W	Pond	1896
100X	397	E	Tunnel	1988