

APPENDIX D

6

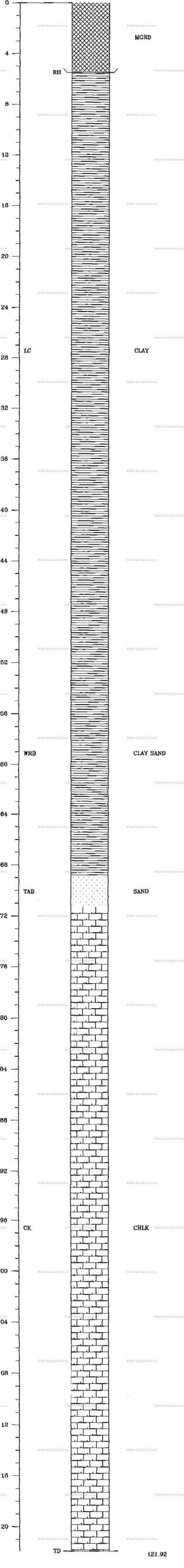
TQ28SE

6

N-L.K.W.R. CAMDEN ST

Grid Reference: 28190 84159

Scale: Ordnance Datum:
1:200 30.48



RECORD OF SHAFT OR BORE FOR MINERALS

Name of Shaft or Bore given by Geological Survey:

TQ28SE/6

Name and Number given by owner:

L.X.W.R. Camden St.

Nat. Grid Reference

28190.84159

For whom made

Town or Village St Pancras County London

1" N.S. Map No.

1" O.S. Map No.

Confidential or not

Exact site

Attach a tracing from a map, or a sketch-map, if possible.

256

Purpose for which made water

Ground Level at shaft bore relative to O.D.

If not ground level give O.D. of beginning of shaft bore

Made by

Date of sinking

Information from

Date received

Examined by

SPECIMEN NUMBERS AND ADDITIONAL NOTES

(For Survey use only)

GEOLOGICAL CLASSIFICATION

DESCRIPTION OF STRATA

THICKNESS

DEPTH

Ft.

IN.

Ft.

IN.

London memoir II p.87

CAMDEN Station, London and North Western Railway.

SWINDLELL and BURNELL, " *Redimentary Treatise on Well-Digging, &c.*" Ed. 4, p. 70.

About 100 feet above Ordnance Datum. (30.42)

Sunk 180 feet, the rest bored. (54.86)

Water rose to a height of 150 feet below the ground. (45.72)

	THICKNESS	DEPTH
	(Ft.)	(Ft.)
[? All made ground.]	Made ground - (2.70) 9	9
	Loam and gravel (1.25) 6	15
	Black-earth - (0.97) 3	18
Blue [London] Clay	- (43.24) 144	162
	Mottled clay - (10.77) 36	198
[Reading Beds, 64 ft.]	Green sand - (0.20) 1	199
	Pebbles - (0.67) 2	201
(19.76)	Mottled clay - (2.44) 8	209
	Plastic clay - (5.18) 17	226
[Thames Sand, 8 ft.]	Loam and sand (1.02) 3	231
(2.44)	Pebbles and sand (0.66) 1	234
Chalk	Flints - (0.36) 1	235
	- (0.36) 1	236
	- (0.36) 1	237
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	- (0.36) 1	299
	- (0.36) 1	300

For an analysis, by R. PHILLIPS, of the kind matter in the water from this well see *Proc. Inst. Civ. Eng.*, vol. viii, p. 173. (1849.)

900 121.92

256/395

TQ 28/52

256/395

Made ground

London Clay

Woburn + Reading Beds (Reading Type)

Thanet Sand

Upper Chalk

ft. m

18 0

144 0

64 0

8 0

166 0

Switton 1976

GROUND LEVEL: 126.7 A.O.D. 28.61m
 NOMINAL B.H. DIA.: 6" Casing to 20ft
 DATE OF BORING: 11 March '50

BOREHOLE No. 28

GROUNDWATER		SAMPLE DEPTH	B.H. DEPTH	R.L.	DESCRIPTION OF STRATA & Termination
LEVEL	DATE				
			0'-0" +126.8 5'-8" +126.2 1'-6" +126.2 0.46m +34.16m		Hardcore
			15'-0" +111.7 4.57m +34.05m		Soft (becoming firm at 9ft) brown mottled clay probably fill to 9ft.
			20'-0" +106.7 6.10m +32.53m		Firm brown & blue clay
			41'-0" +95.7 12.50m +26.13m		Firm becoming stiff fissured brown clay
			43'-0" +93.7 13.11m +25.52m		Stiff dark brown & blue clay
			24'-08" +14.54m 78'-0" +47.7		Stiff grey-blue fissured clay

REMARKS: Water seeping from clay 103ft to 104ft.

SAMPLES
 Undisturbed
 Disturbed

SCALE: 1/8" to 1'-0"

METROPOLITAN WATER BOARD.
 MAIN IN TUNNEL BETWEEN THAMES AND
 LEA VALLEYS.

SOILS No. S/371
 DRWG. No. S/R/527

279-242 2 of 2 256 TQ28 SE/410

GROUND LEVEL: 126.7 A.O.D. 38.61m N.G.M. 2795.8400
 NOMINAL B.H. DIA.: 8" Casing to 20ft
 DATE OF BORING: 1 March to 7 March '50 **BOREHOLE No. 28**
 (Contd.)

GROUNDWATER		SAMPLE DEPTH	B.H.	DEPTH	R.L.	DESCRIPTION OF STRATA	
LEVEL	DATE						
				24'-0" = 7.31m	73'-0" = 22.25m	Stiff dark grey-blue fissured silty clay	
		32'-6" to 33'-11"					
		100'-6" to 102'-0"		103'-0" = 31.40m	23.7 = 7.3m 22.7 = 6.92m		Soft becoming firm dark grey silty clay
							Stiff dark grey-blue fissured silty clay
				130'-0" = 39.62m	-3.3 = -0.98m	Stiff brown-grey fissured silty clay	
						Stiff dark grey-green clay	
				136'-0" = 41.45m	-3.3 = -2.87m		
				138'-0" = 42.06m	-11.3 = -3.42m	Stiff dark brown-grey silty clay	
				143'-0" = 43.59m	-16.3 = -4.94m	Bottom of borehole	

REMARKS:
 SAMPLES
 Undisturbed
 Disturbed
 SCALE:
 $\frac{1}{8}$ " to 1'-0"

METROPOLITAN WATER BOARD.
 MAIN IN TUNNEL BETWEEN THAMES AND
 LEA VALLEYS.

SOILS No. S/371
 DRWG. No. S/R/527

TERRESEARCH LIMITED

BOREHOLE NO. 1

2747
8435

Contract Name Idelais Road, Report No. S. 475/12
 Client N. E. J. Budgen & Partners, Site Address Idelais Road,
 Address 54, Queen Anne Street, Hampstead
London, W.1.
For Hampstead Borough Council

Standing Water Level _____ Diameter 8"
 Water Struck None Method of Boring Shell/Auger
 Ground Level _____ Start 31.10.62 Finish 2.11.62

Remarks:

Description of Strata	Thickness	Depth	Disturbed Samples	'U' Core and 'N' P. Test
Made Ground	4'6"	4'6"	J4901 4'6"	
Light brown clay	5'6"	10'0"	J4902 7'6" J4904 12'6" J4905 15'0"	U4903 10'0"
Light brown clay with blue mottles	7'0"	17'0"	J4906 17'6" J4908 22'6" J4909 25'0" J4910 27'6"	U4907 20'0"
Brown clay	16'0"	33'0"	J4912 32'6" J4913 35'0" J4914 37'6" J4916 42'6" J4917 45'0" J4918 47'6" J4920 52'6" J4921 55'0"	U4915 40'0" U4919 50'0"
London Blue clay	49'0"	80'0"	J4922 57'6" J4924 62'0" J4925 65'0" J4926 67'6" J4928 72'6" J4929 75'0" J4930 76'6"	U4923 60'0" U4927 70'0" U4931 80'0"
TOTALS	80'0"	80'0"		

Notes: 1. Descriptions are given in accordance with the B.S. Civil Engineering Code of Practice C.P.301 "Site Investigations".
 2. J indicates Jar Samples.
 B " Bulk Samples.
 W " Water Samples.
 U " Undisturbed Core Samples. These are nominal 4 in. diam. and 18 in. long. Depth shown are top of sample.
 N " Number of Blows per ft. penetration with Standard Penetration Test.

Norwest Holst Soil Engineering Ltd.

Borehole No.

1

Contract No. ER715
 Location Elworthy Road
 Client Norwest Holst Project Services Ltd
 Method of Boring Cable Percussion
 Diameter of Borehole 150mm

BOREHOLE LOG

Sheet 1 of 2
 Chainage.....
 Ground Level..... m.A.O.D.
 Date 15/2/90

Description of Strata	Legend	Depth Below G.L. (m)	O.D. Level (m)	Casing Depth at Sampling	Sampling and Casing	"N"/R.O.D.%	Daily Progress
TOPSOIL		0.40		150mm to 1.00m			15/2
Firm to locally soft, brown mottled orange brown and grey CLAY with occasional selenite crystals ...becoming fissured with depth					1.00 (40) 2.00 (43)		
Firm brown fissured silty CLAY with orange brown staining and some selenite crystals		3.00			3.00 (45) 4.00 (45) 5.00 (50) 6.50 (50) 8.00 (55)		
Firm to stiff brown grey laminated fissured CLAY		9.80			9.50 (60)		

Type of Sample

- Is S.P.T. Undisturbed
 Ic C.P.T. Vane
 O Jar Water
 Bulk Piezometer

Remarks (Observations of Ground Water etc.) - U100 blows
 Groundwater not encountered

Water levels are subject to seasonal or tidal variations and should not be taken as constant

Norwest Holst Soil Engineering Ltd.

Borehole No.

1

 Contract No. FB715 **BOREHOLE LOG**

 Location Elsworth Road

 Sheet 2 of 2

 Client Norwest Holst Project Services Ltd

Chainage.....

 Method of Boring Cable Percussion

 Ground Level..... m.A.O.D.

 Diameter of Borehole 150mm

 Date 15/2/90

Description of Strata	Legend	Depth Below G.L. (m)	O.D. Level (m)	Casing Depth at Sampling	Sampling and Coring	"N"/R.Q.D.%	Daily Progress
Firm to stiff brown grey laminated fissured CLAY							
					11.00 (60)		
					12.50 (60)		
					14.00 (60)		
					15.50 (65)		
			17.00 (65)				
			18.50 (65)				
Borehole complete at 20.00m		20.00					15/2

Type of Sample

- Is S.P.T. ■ Undisturbed
 Ic C.P.T. X Vane
 0 Jar △ Water
 ● Bulk ▨ Piezometer

Remarks (Observations of Ground Water etc.)

(This area is reserved for handwritten remarks and observations regarding ground water levels and other site-specific findings.)

Water levels are subject to seasonal or tidal variations and should not be taken as constant

APPENDIX E



Groundsure

LOCATION INTELLIGENCE

Chelmer Site Investigation Laboratories Ltd
TOWER BRIDGE BUSINESS CENTRE,46-48,
EAST SMITHFIELD,
LONDON, E1W 1AW

Groundsure Reference: GS-3437484

Your Reference: 7806_-_7366

Report Date 9 Nov 2016

Report Delivery Method: Email - pdf

Groundsure Enviro Insight

Address: 34A, KING HENRYS ROAD, LONDON, NW3 3RP

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 159000 quoting the above Groundsure reference number.

Yours faithfully,

Managing Director
Groundsure Limited

Enc.
Groundsure Enviroinsight

Groundsure Enviro Insight

Address: 34A, KING HENRYS ROAD, LONDON, NW3 3RP
Date: 9 Nov 2016
Reference: GS-3437484
Client: Chelmer Site Investigation Laboratories Ltd

NW

N

NE



W

E

SW

S

SE

Aerial Photograph Capture date: 04-May-2014
Grid Reference: 527774,184252
Site Size: 0.03ha

Report Reference: GS-3437484
Client Reference: 7806_-_7366

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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	4	9	18	47
1.2 Additional Information – Historical Tank Database	0	0	0	7
1.3 Additional Information – Historical Energy Features Database	0	0	19	31
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	10	20
1.6 Potentially Infilled Land	0	4	13	3

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	2	4
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 Recorded Pollution Incidents				
2.3.1 National Incidents Recording System, List 2	0	0	0	0
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 Registered Landfill Sites	0	0	0	0	0	Not searched
3.1.2 Environment Agency Historic Landfill Sites	0	0	0	0	0	0
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 Licensed Waste Sites	0	0	0	0	2	4

Section 4: Current Land Use	On-site	0-50m	51-250	251-500
4.1 Current Industrial Sites Data	0	1	18	Not searched
4.2 Records of Petrol and Fuel Sites	0	0	0	1
4.3 National Grid Underground Electricity Cables	0	0	14	16
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	5	10
6.4 Surface Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	2	1
6.5 Potable Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	3	4
6.6 Source Protection Zones (within 500m of the study site)	0	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)	0	0	0	0	Not searched	Not searched
	On-site	0-50m	51-250	251-500	501-1000	1000-1500

Section 6: Hydrogeology and Hydrology

0-500m

6.9 Is there any Environment Agency 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	0	0	Not searched	Not searched
6.11 Surface water features within 250m of the study site	No	No	No	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 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?	Not Prone
7.8 What is the BGS confidence rating for the Groundwater Flooding susceptibility areas?	Not Applicable

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	0
8.7 Records of Local Nature Reserves (LNR)	0	0	0	0	1	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
8.10 Records of Areas of Outstanding Natural Beauty (AONB)	0	0	0	0	0	0

Section 8: Designated Environmentally Sensitive Sites	On-site	0-50m	51-250	251-500	501-1000	1000-2000
8.11 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	0	0	0	0	0	0
8.14 Records of Green Belt land	0	0	0	0	0	0

Section 9: Natural Hazards	
9.1 What is the maximum risk of natural ground subsidence?	Moderate
9.1.1 What is the maximum Shrink-Swell hazard rating identified on the study site?	Moderate
9.1.2 What is the maximum Landslides hazard rating identified on the study site?	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?	Negligible
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 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 Are there any coal mining areas within 75m of the study site?	No
10.2 Are there any Non-Coal Mining areas within 50m of the study site boundary?	No
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.

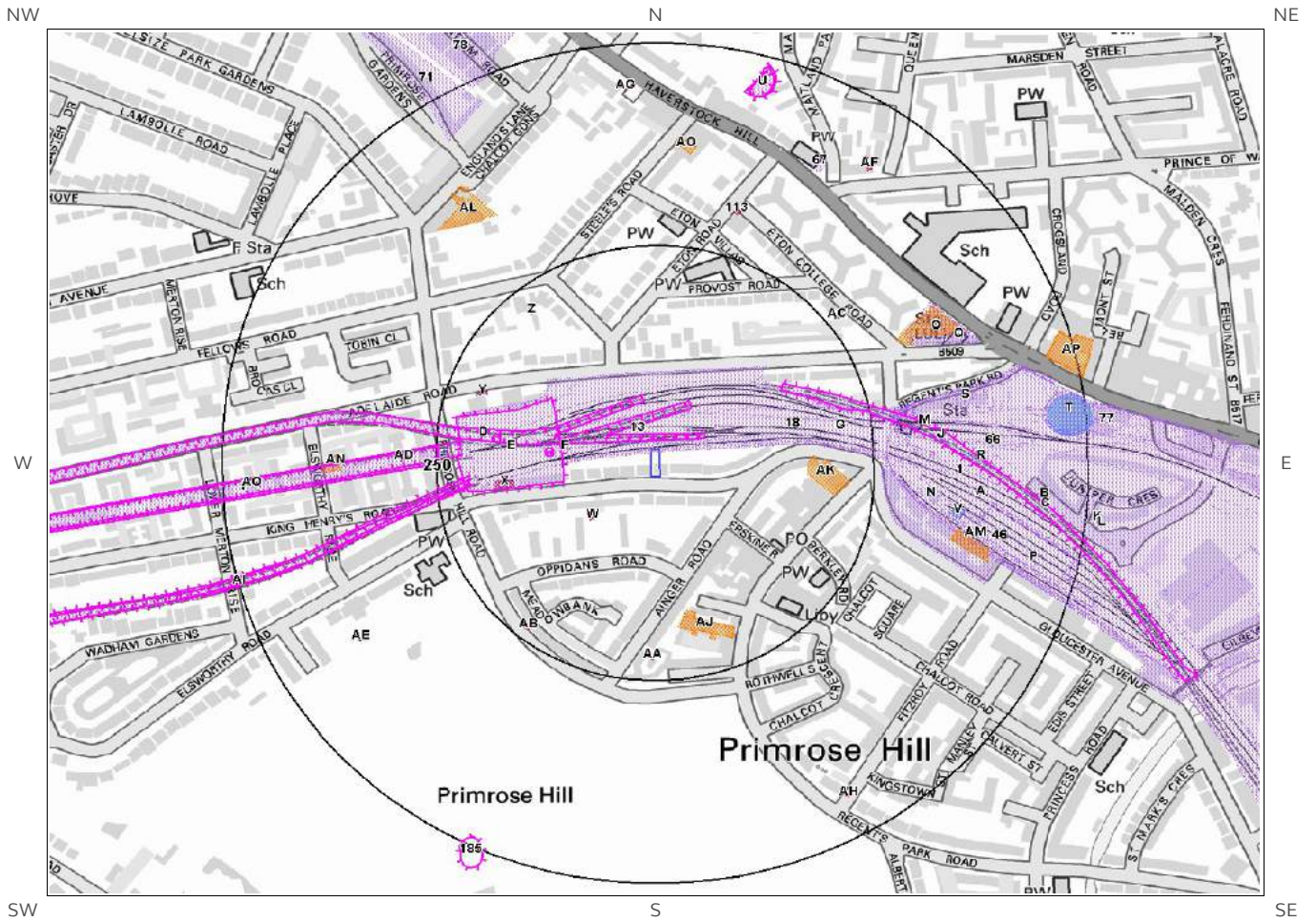
Note: Maps

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).

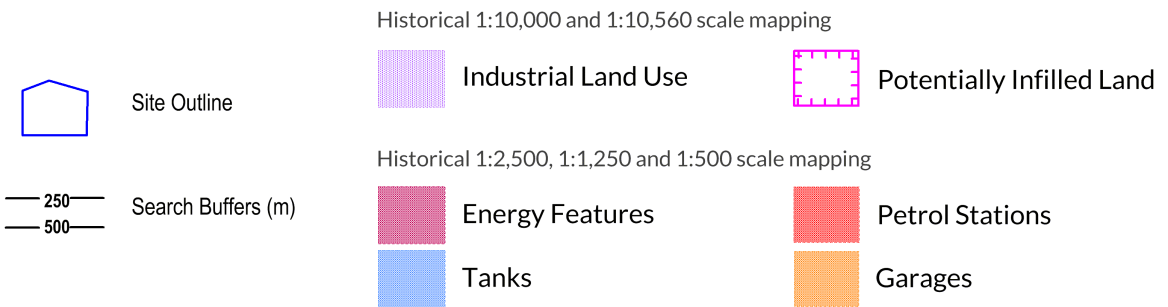
Where a feature is reported in the data tables to a distance greater than the map area, it is noted in the data table as "Not Shown".

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: 78

ID	Distance [m]	Direction	Use	Date
1	0	On Site	Railway Sidings	1989
2A	0	On Site	Railway Sidings	1973
3A	0	On Site	Railway Sidings	1968
4A	0	On Site	Railway Sidings	1957
5C	1	N	Railway Sidings	1948
6B	6	N	Railway Sidings	1894
7B	8	N	Railway Sidings	1911
8C	10	N	Railway Sidings	1882
9D	11	N	Tunnel	1968
10D	11	N	Tunnel	1989
11D	11	N	Tunnel	1957
12D	11	N	Tunnel	1973
13	24	NW	Railway Building	1948
14F	94	W	Railway Building	1948
15E	102	W	Cuttings	1968
16E	102	W	Cuttings	1957
17F	113	W	Air Shafts	1989
18	153	E	Railway Building	1948
19A	160	NE	Tunnel	1989
20G	168	E	Railway Sidings	1920
21G	168	E	Railway Sidings	1938
22E	175	W	Air Shafts	1989
23H	211	W	Tunnel	1973
24H	211	W	Tunnel	1989
25H	211	W	Tunnel	1968
26H	212	W	Tunnels	1957
27AQ	221	W	Tunnels	1957
28P	225	E	Railway Sidings	1911
29I	247	W	Tunnel	1973
30I	247	W	Tunnel	1989
31I	247	W	Tunnel	1968
32AM	258	E	Goods Station	1957
33L	262	E	Railway Land	1911
34J	263	E	Railway Station	1920

35J	263	E	Railway Station	1938
36K	263	E	Railway Sidings	1938
37K	263	E	Railway Sidings	1920
38L	265	E	Goods Depot	1882
39J	268	E	Railway Station	1948
40J	271	E	Railway Station	1894
41M	272	E	Railway Station	1957
42J	272	E	Railway Station	1911
43M	277	E	Railway Station	1989
44M	277	E	Railway Station	1973
45M	277	E	Railway Station	1968
46	304	E	Goods Station	1968
47N	307	E	Railway Building	1989
48N	307	E	Railway Building	1973
49O	316	NE	Unspecified Station	1938
50O	320	NE	Unspecified Station	1957
51O	320	NE	Electricity Railway Station	1948
52P	331	E	Engine Shed	1882
53P	331	E	Railway Building	1894
54P	334	E	Railway Building	1911
55P	349	E	Engine Shed	1920
56P	349	E	Engine Shed	1938
57Q	349	E	Unspecified Station	1920
58Q	352	E	London Transport Station	1973
59Q	352	E	London Transport Station	1989
60Q	352	E	London Transport Station	1968
61P	352	E	Engine Shed	1948
62S	352	E	Railway Building	1894
63R	355	E	Railway Buildings	1948
64R	365	E	Railway Building	1957
65S	374	E	Railway Building	1894
66	375	E	Railway Station	1882
67	388	NE	Unspecified Tanks	1973
68T	433	E	Railway Building	1973
69T	433	E	Railway Building	1968
70U	448	N	Unspecified Heap	1938
71	448	NW	Nursery	1894
72U	448	N	Unspecified Heap	1948
73T	451	E	Unspecified Warehouse	1938
74T	451	E	Unspecified Warehouse	1920
75T	452	E	Unspecified Tank	1882
76T	456	E	Railway Building	1894
77	456	E	Unspecified Warehouses	1948
78	492	NW	Nursery	1866

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:

7

ID	Distance (m)	Direction	Use	Date
79V	342	E	Unspecified Tank	1952
80V	342	E	Unspecified Tank	1952
81V	342	E	Unspecified Tank	1952
82R	359	E	Unspecified Tank	1952
83R	359	E	Unspecified Tank	1952
84R	359	E	Unspecified Tank	1952
85T	455	E	Unspecified Tank	1896

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:

50

ID	Distance (m)	Direction	Use	Date
86W	82	SW	Electricity Substation	1953
87W	82	SW	Electricity Substation	1952
88X	161	W	Electricity Substation	1994
89X	161	W	Electricity Substation	1972
90X	162	W	Electricity Substation	1991
91X	162	W	Electricity Substation	1983
92Y	202	W	Electricity Substation	1972
93Y	203	W	Electricity Substation	1983
94Z	216	NW	Electricity Substation	1972
95Z	217	NW	Electricity Substation	1991
96Z	217	NW	Electricity Substation	1983
97AA	220	S	Electricity Substation	1994
98AA	220	S	Electricity Substation	1983
99AA	220	S	Electricity Substation	1991
100Z	221	NW	Electricity Substation	1994
101AA	221	S	Electricity Substation	1972
102AB	232	SW	Electricity Substation	1972
103AB	232	SW	Electricity Substation	1991
104AB	232	SW	Electricity Substation	1983

105AC	260	NE	Electricity Substation	1983
106AC	260	NE	Electricity Substation	1991
107AC	260	NE	Electricity Substation	1972
108AC	261	NE	Electricity Substation	1994
109AD	287	W	Electricity Substation	1972
110AD	287	W	Electricity Substation	1987
111AD	288	W	Electricity Substation	1985
112AD	288	W	Electricity Substation	1991
113	302	N	Electricity Substation	1973
114AE	392	SW	Electricity Substation	1985
115AE	392	SW	Electricity Substation	1991
116AE	392	SW	Electricity Substation	1987
117AE	392	SW	Electricity Substation	1972
118AF	420	NE	Electricity Substation	1982
119AF	421	NE	Electricity Substation	1975
120AF	429	NE	Electricity Substation	1991
121AG	443	N	Electricity Substation	1973
122AG	443	N	Electricity Substation	1991
123AG	443	N	Electricity Substation	1991
124AG	444	N	Electricity Substation	1995
125AG	444	N	Electricity Substation	1991
126AG	444	N	Electricity Substation	1995
127AH	447	SE	Electricity Substation	1952
128AH	447	SE	Electricity Substation	1952
129AH	447	SE	Electricity Substation	1952
130AH	447	SE	Electricity Substation	1969
131AH	447	SE	Electricity Substation	1991
132AI	497	W	Electricity Substation	1985
133AI	497	W	Electricity Substation	1991
134AI	497	W	Electricity Substation	1972
135AI	497	W	Electricity Substation	1987

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
136AJ	166	S	Garage	1991
137AJ	166	S	Garage	1983
138AJ	168	S	Garage	1972
139AK	172	E	Garages	1953
140AJ	173	S	Garage	1963
141AJ	173	S	Garages	1952
142AJ	174	S	Garages	1953
143AK	178	E	Garage	1972
144AK	178	E	Garages	1952
145AK	178	E	Garage	1963
146O	308	NE	Garages	1952
147O	329	NE	Garage	1952
148O	329	NE	Garage	1952
149AL	341	NW	Garage	1953
150AL	344	NW	Garage	1952
151AM	347	E	Garage	1952
152AM	347	E	Garage	1952
153AM	348	E	Garage	1952
154AN	362	W	Garage	1953
155AN	363	W	Garage	1953
156AN	363	W	Garage	1966
157AO	365	N	Garage	1952
158AO	365	N	Garage	1953
159AP	465	E	Garage	1982
160AP	465	E	Garage	1991
161AP	465	E	Garage	1987
162AP	465	E	Garage	1991
163AP	466	E	Garage	1968
164AP	466	E	Garage	1965
165AP	467	E	Garage	1970

1.6 Potentially Infilled Land

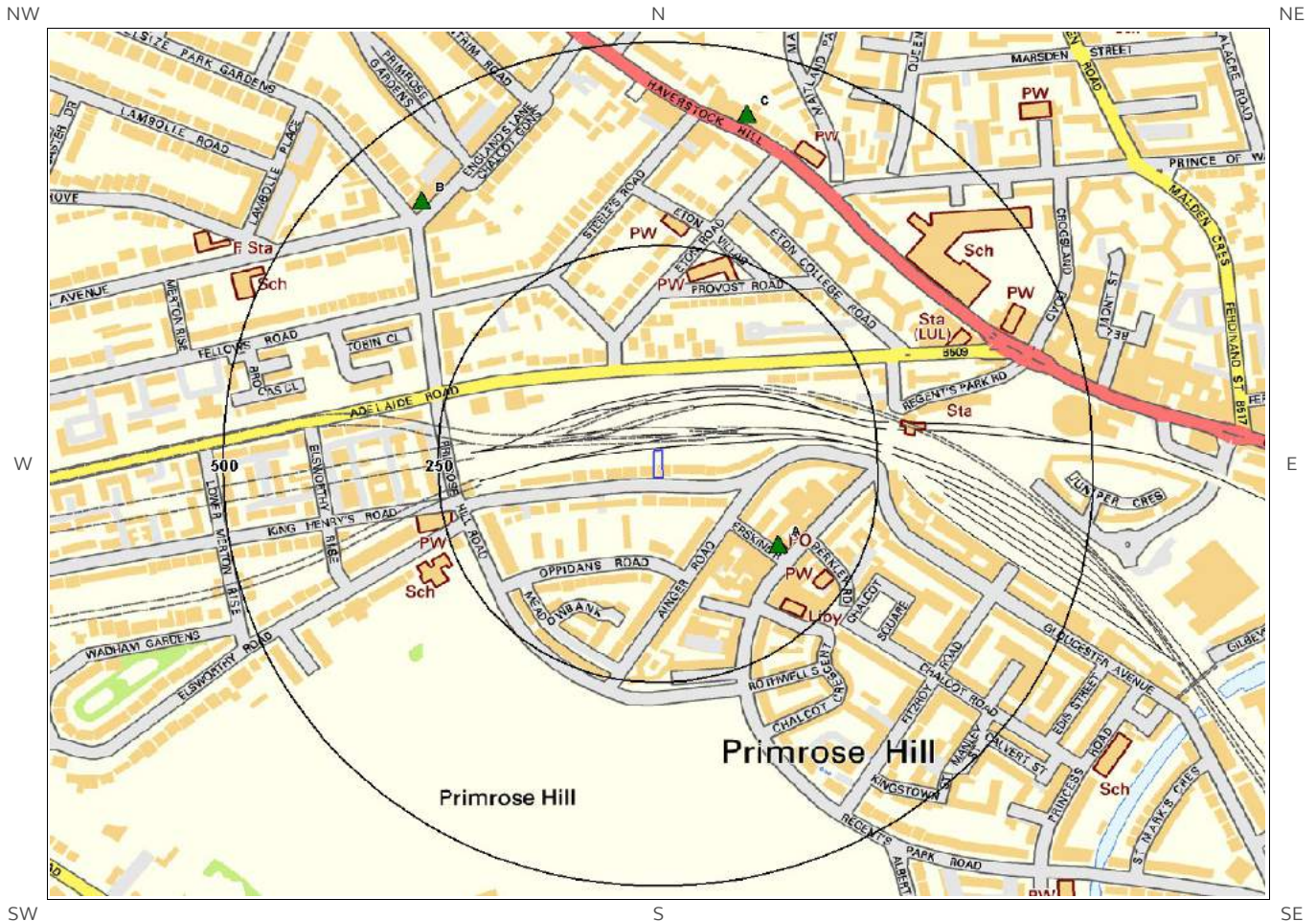
Records of Potentially Infilled Features from 1:10,000 scale mapping within 500m of the study site: 20

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















ID	Distance(m)	Direction	Use	Date
166D	11	N	Tunnel	1957
167D	11	N	Tunnel	1973

168D	11	N	Tunnel	1968
169D	11	N	Tunnel	1989
170E	102	W	Cuttings	1957
171E	102	W	Cuttings	1968
172F	113	W	Air Shafts	1989
173A	160	NE	Tunnel	1989
174E	175	W	Air Shafts	1989
175H	211	W	Tunnel	1973
176H	211	W	Tunnel	1968
177H	211	W	Tunnel	1989
178H	212	W	Tunnels	1957
179AQ	221	W	Tunnels	1957
180AQ	247	W	Tunnel	1973
181AQ	247	W	Tunnel	1968
182AQ	247	W	Tunnel	1989
183U	448	N	Unspecified Heap	1938
184U	448	N	Unspecified Heap	1948
185	490	SW	Covered Reservoir	1894

2. Environmental Permits, Incidents and Registers Map



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

6

The following Part A(2) and Part B Activities are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR		Details
1A	158	SE	527913 184157	Address: Primrose Valet, 91a Regents Park Road, NW1 8UR Process: Dry Cleaning Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
2A	158	SE	527913 184157	Address: Primrose Valet, 91a Regents Park Road, NW1 8UR Process: Dry Cleaning Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
3B	407	NW	527498 184579	Address: Chequers Textile Care Ltd, 48 Englands Lane, NW3 4UE Process: Dry Cleaning Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
4B	407	NW	527498 184579	Address: Chequers Textile Care Ltd, 48 Englands Lane, NW3 4UE Process: Dry Cleaning Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
5C	422	N	527876 184685	Address: The Dry Cleaners of Hampstead, 80 Haverstock Hill, NW3 2BE Process: Dry Cleaning Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
6C	422	N	527876 184685	Address: The Dry Cleaners of Hampstead, 80 Haverstock Hill, NW3 2BE Process: Dry Cleaning Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified

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 Recorded Pollution Incidents

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

0

Database searched and no data found.

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

0

Database searched and no data found.

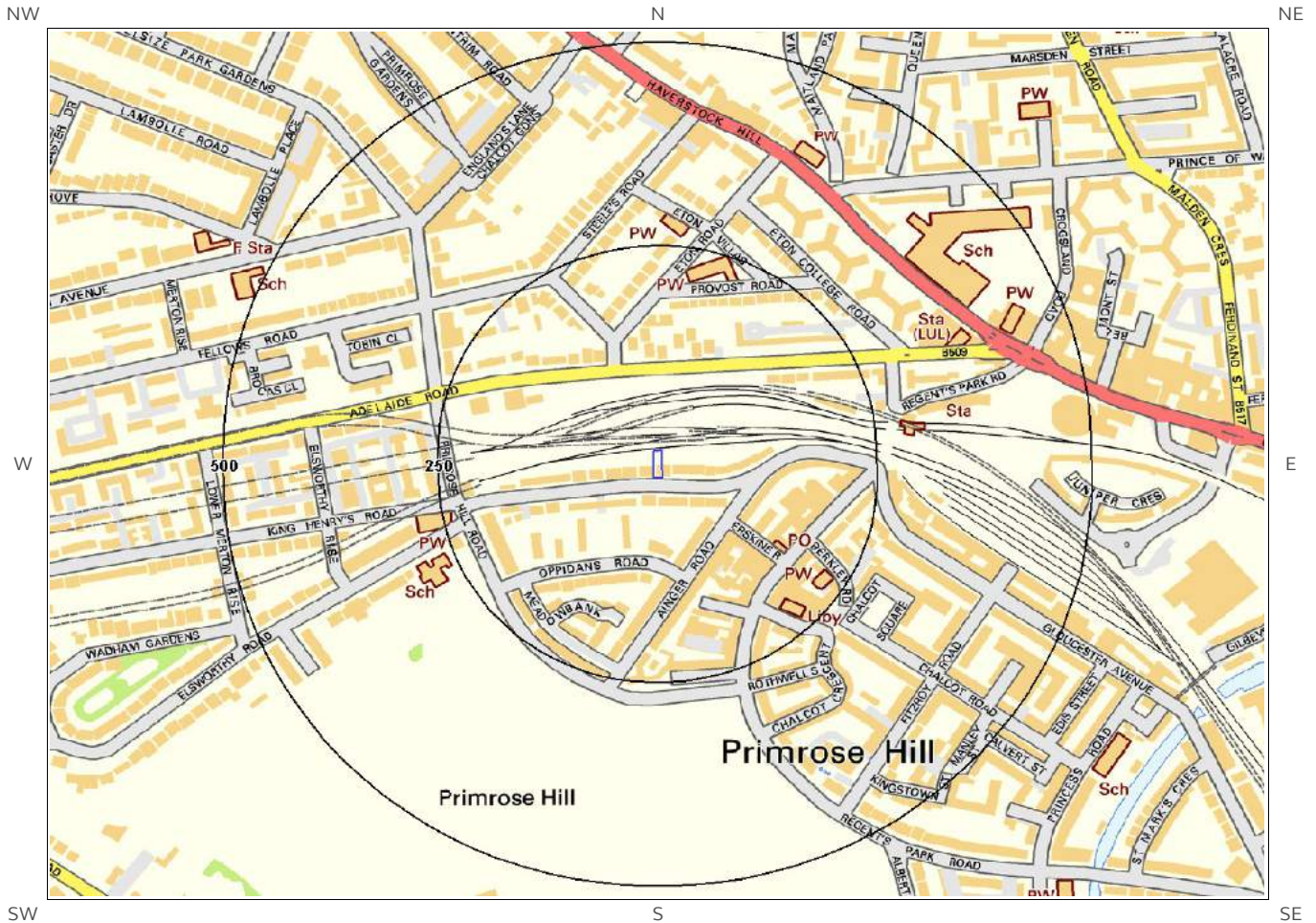
2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990

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 |  | E.A. Active Landfill |  | Historic and Planned Waste Sites |
|  | 250 Search Buffers (m) |  | E.A. Historic Landfill |  | E.A. 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 landfill data within 1000m of the study site:

0

Database searched and no data found.

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

0

Database searched and no data found.

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 licensed waste sites within 1500m of the study site:

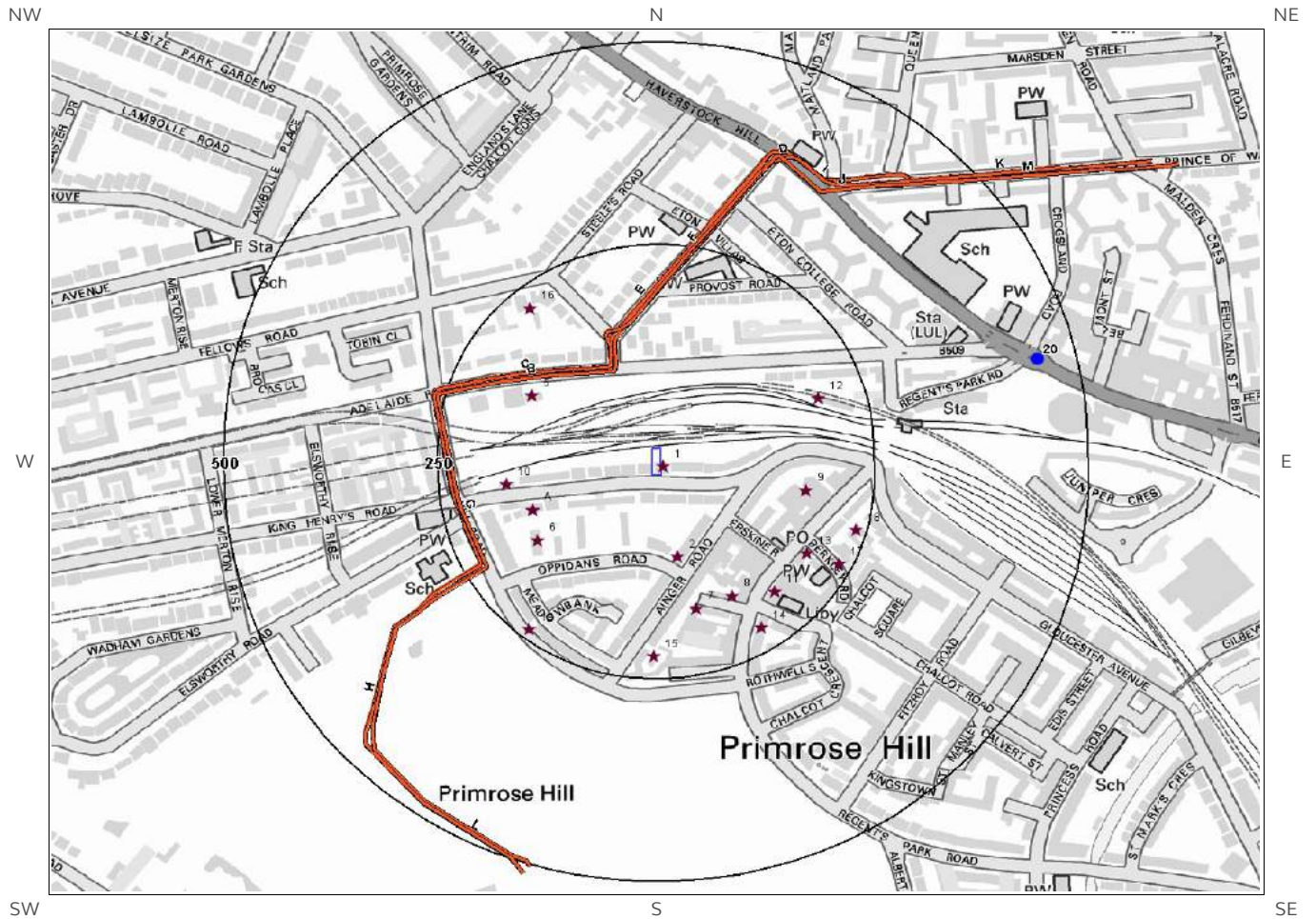
6

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
Not shown	911	E	528667 184035	<p>Site Address: - Type: Household Waste Amenity Site Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: CAM003 EPR reference: - Operator: Camden London Borough Council Waste Management licence No: 80482 Annual Tonnage: 0.0</p> <p>Issue Date: 15/10/1994 Effective Date: - Modified: - Surrendered Date: 25/07/1997 Expiry Date: - Cancelled Date: - Status: Surrendered Site Name: Jamestown Road Ca Site Correspondence Address: Camden LB Council, Town Hall Extension, Argyle Street, London, WC1H 8EQ</p>
Not shown	911	E	528667 184035	<p>Site Address: - Type: Household Waste Amenity Site Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CAM003 EPR reference: EA/EPR/UP3697NB/S002 Operator: Camden London Borough Council Waste Management licence No: 80482 Annual Tonnage: 20000.0</p> <p>Issue Date: 15/10/1994 Effective Date: - Modified: - Surrendered Date: 25/07/1997 Expiry Date: - Cancelled Date: - Status: Surrendered Site Name: Jamestown Road CA Site Correspondence Address: -</p>
Not shown	1137	S	527519 183131	<p>Site Address: Regents Park Office, The Store Yard, Inner Circle, Regents Park, London, NW1 4NR Type: Composting Facility Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ROY003 EPR reference: EA/EPR/CB3106XV/A001 Operator: The Royal Parks Waste Management licence No: 401853 Annual Tonnage: 575.0</p> <p>Issue Date: 24/02/2015 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Regents Park Leaf Yard Correspondence Address: -</p>
Not shown	1292	NE	528740 185138	<p>Site Address: Camden London Borough Council, Recycling Centre, Regis Road, Kentish Town, London, NW5 3EP Type: Household Waste Amenity Site Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: LWL001 EPR reference: EA/EPR/GB3230DW/T001 Operator: Londonwaste Limited Waste Management licence No: 80349 Annual Tonnage: 7793.0</p> <p>Issue Date: 10/12/1996 Effective Date: 11/05/2012 Modified: 25/01/2002 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred Site Name: Regis Road Recycling Centre Correspondence Address: -</p>
Not shown	1292	NE	528740 185138	<p>Site Address: Camden London Borough Council, Recycling Centre, Regis Road, Kentish Town, London, NW5 3EP Type: Household Waste Amenity Site Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: LWL001 EPR reference: EA/EPR/GB3230DW/T001 Operator: LondonWaste Ltd Waste Management licence No: 80349 Annual Tonnage: 7793.0</p> <p>Issue Date: 10/12/1996 Effective Date: 11/05/2012 Modified: 25/01/2002 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred Site Name: Regis Road Recycling Centre Correspondence Address: -</p>

ID	Distance (m)	Direction	NGR	Details	
Not shown	1292	NE	528740 185138	Site Address: Camden London Borough Council, Recycling Centre, Regis Road, Kentish Town, London, NW5 3EP Type: Household Waste Amenity Site Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CAM001 EPR reference: EA/EPR/DP3091NK/V003 Operator: Camden London Borough Council Waste Management licence No: 80349 Annual Tonnage: 7793.0	Issue Date: 10/12/1996 Effective Date: - Modified: 25/01/2002 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: Regis Road Recycling Centre Correspondence Address: -

4. Current Land Use Map



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-  Site Outline
-  Current Industrial Sites
-  Electricity Transmission Cables
-  Search Buffers (m)
-  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:

19

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

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
1	3	E	The Health Store	527781 184252	Flat A-e 32, King Henrys Road, London, NW3 3RP	Disability and Mobility Equipment	Consumer Products
2	101	S	Cork & Bottle Wines Ltd	527797 184140	47, Ainger Road, London, NW3 3AH	Packaging	Industrial Products
3A	146	W	Beverly Hills Bakery	527628 184198	77e, King Henrys Road, London, NW3 3QU	Giftware	Consumer Products
4A	146	W	Komodo	527628 184198	77c, King Henrys Road, London, NW3 3QU	Clothing, Components and Accessories	Consumer Products
5	154	NW	Modern Motors Ltd	527628 184339	95, Adelaide Road, London, NW3 3XX	Vehicle Repair, Testing and Servicing	Repair and Servicing
6	156	SW	Cameron Design House	527634 184161	Unit 2 Primrose Hill Workshops, Oppidans Road, London, NW3 3AG	Lampshades and Lighting	Consumer Products
7	168	S	Ecos Maclean	527819 184077	8, Chamberlain Street, London, NW1 8XB	Structural Engineers	Engineering Services
8	169	SE	Andrew Moor Associates	527861 184092	14, Chamberlain Street, London, NW1 8XB	Glass	Industrial Products
9	170	E	Works	527948 184223	NW1	Unspecified Works Or Factories	Industrial Features
10	171	W	Electricity Sub Station	527598 184230	NW3	Electrical Features	Infrastructure and Facilities
11	194	SE	Backyard Recordings	527911 184098	150, Regents Park Road, London, NW1 8XN	Recording Studios and Record Companies	IT, Advertising, Marketing and Media Services
12	195	E	Carlin Music Corporation	527962 184336	Unit 1-4 Iron Bridge House 3, Bridge Approach, London, NW1 8BD	Recording Studios and Record Companies	IT, Advertising, Marketing and Media Services
13	195	SE	Bottle Apostle	527949 184145	172, Regents Park Road, Primrose Hill, London, NW1 8XN	Hobby, Sports and Pastime Products	Consumer Products
14	220	SE	Sweet Things	527895 184053	138, Regents Park Road, London, NW1 8XL	Baking and Confectionery	Foodstuffs
15	222	S	Electricity Sub Station	527770 184018	NW3	Electrical Features	Infrastructure and Facilities
16	224	NW	Electricity Sub Station	527625 184447	NW3	Electrical Features	Infrastructure and Facilities
17	234	SE	Electricity Sub Station	527987 184132	NW1	Electrical Features	Infrastructure and Facilities
18	237	E	Factory	528007 184174	NW1	Unspecified Works Or Factories	Industrial Features

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
19	238	SW	Electricity Sub Station	527624 184051	NW3	Electrical Features	Infrastructure and Facilities

4.2 Petrol and Fuel Sites

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

1

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

ID	Distance (m)	Direction	NGR	Company	Address	LPG	Status
20	454	E	528219 184384	Texaco	Star Chalk Farm, Chalk Farm Road, Chalk Farm, London, Greater London, NW1 8AR	Not Applicable	Obsolete

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:

30

The following Underground Electricity Transmission Cable records are represented as linear features on the Current Land Use map:

ID	Distance (m)	Direction	Details	
21B	106	NW	Cable Set: CABLE SECT 56 Cable Route: ST JOHNS WOOD - TOTTENHAM 2 Cable Make: BICC 275KV OIL FILLED PB SHEATH CABLE	Cable Type: A/C Operating Voltage (kV): 275 Year of installation: 1965 Cable in tunnel: -
22B	106	NW	Cable Set: - Cable Route: - Cable Make: -	Cable Type: PILOT Operating Voltage (kV): - Year of installation: - Cable in tunnel: -
23C	113	NW	Cable Set: - Cable Route: - Cable Make: -	Cable Type: PILOT Operating Voltage (kV): - Year of installation: - Cable in tunnel: -
24C	114	NW	Cable Set: CABLE SECT 56 Cable Route: ST JOHNS WOOD - TOTTENHAM 1 Cable Make: BICC 275KV OIL FILLED PB SHEATH CABLE	Cable Type: A/C Operating Voltage (kV): 275 Year of installation: 1965 Cable in tunnel: -

ID	Distance (m)	Direction	Details	
25D	121	NW	Cable Set: - Cable Route: - Cable Make: -	Cable Type: PILOT Operating Voltage (kV): - Year of installation: - Cable in tunnel: -
26D	121	NW	Cable Set: CABLE SECT T3 Cable Route: ST JOHNS WOOD - TOTTENHAM 1 Cable Make: BICC 275KV (OIL) CABLE S/CORE AL SHEATH	Cable Type: A/C Operating Voltage (kV): 275 Year of installation: 2001 Cable in tunnel: Y
27E	140	N	Cable Set: - Cable Route: - Cable Make: -	Cable Type: DECOMMISSIONED Operating Voltage (kV): - Year of installation: - Cable in tunnel: -
28E	140	N	Cable Set: - Cable Route: - Cable Make: -	Cable Type: DECOMMISSIONED Operating Voltage (kV): 275 Year of installation: - Cable in tunnel: -
29F	148	N	Cable Set: CABLE SECT 55 Cable Route: ST JOHNS WOOD - TOTTENHAM 2 Cable Make: BICC 275KV OIL FILLED PB SHEATH CABLE	Cable Type: A/C Operating Voltage (kV): 275 Year of installation: 1965 Cable in tunnel: -
30F	149	N	Cable Set: - Cable Route: - Cable Make: -	Cable Type: PILOT Operating Voltage (kV): - Year of installation: - Cable in tunnel: -
31G	222	SW	Cable Set: CABLE SECT 57 Cable Route: ST JOHNS WOOD - TOTTENHAM 2 Cable Make: BICC 275KV OIL FILLED PB SHEATH CABLE	Cable Type: A/C Operating Voltage (kV): 275 Year of installation: 1965 Cable in tunnel: -
32G	223	SW	Cable Set: - Cable Route: - Cable Make: -	Cable Type: PILOT Operating Voltage (kV): - Year of installation: - Cable in tunnel: -
33G	227	SW	Cable Set: - Cable Route: - Cable Make: -	Cable Type: PILOT Operating Voltage (kV): - Year of installation: - Cable in tunnel: -
34G	227	SW	Cable Set: CABLE SECT 57 Cable Route: ST JOHNS WOOD - TOTTENHAM 1 Cable Make: BICC 275KV OIL FILLED PB SHEATH CABLE	Cable Type: A/C Operating Voltage (kV): 275 Year of installation: 1965 Cable in tunnel: -
35H	280	SW	Cable Set: CABLE SECT 58 Cable Route: ST JOHNS WOOD - TOTTENHAM 2 Cable Make: BICC 275KV OIL FILLED PB SHEATH CABLE	Cable Type: A/C Operating Voltage (kV): 275 Year of installation: 1965 Cable in tunnel: -
36H	280	SW	Cable Set: - Cable Route: - Cable Make: -	Cable Type: PILOT Operating Voltage (kV): - Year of installation: - Cable in tunnel: -
37H	280	SW	Cable Set: - Cable Route: - Cable Make: -	Cable Type: PILOT Operating Voltage (kV): - Year of installation: - Cable in tunnel: -
38H	280	SW	Cable Set: CABLE SECT 58 Cable Route: ST JOHNS WOOD - TOTTENHAM 1 Cable Make: BICC 275KV OIL FILLED PB SHEATH CABLE	Cable Type: A/C Operating Voltage (kV): 275 Year of installation: 1965 Cable in tunnel: -
39I	332	N	Cable Set: - Cable Route: - Cable Make: -	Cable Type: DECOMMISSIONED Operating Voltage (kV): - Year of installation: - Cable in tunnel: -

ID	Distance (m)	Direction	Details	
40I	332	N	Cable Set: - Cable Route: - Cable Make: -	Cable Type: DECOMMISSIONED Operating Voltage (kV): 275 Year of installation: - Cable in tunnel: -
41J	362	N	Cable Set: CABLE SECT 54 Cable Route: ST JOHNS WOOD - TOTTENHAM 2 Cable Make: BICC 275KV OIL FILLED PB SHEATH CABLE	Cable Type: A/C Operating Voltage (kV): 275 Year of installation: 1965 Cable in tunnel: -
42J	362	N	Cable Set: - Cable Route: - Cable Make: -	Cable Type: PILOT Operating Voltage (kV): - Year of installation: - Cable in tunnel: -
43K	455	NE	Cable Set: - Cable Route: - Cable Make: -	Cable Type: DECOMMISSIONED Operating Voltage (kV): - Year of installation: - Cable in tunnel: -
44K	455	NE	Cable Set: - Cable Route: - Cable Make: -	Cable Type: DECOMMISSIONED Operating Voltage (kV): 275 Year of installation: - Cable in tunnel: -
45L	472	SW	Cable Set: - Cable Route: - Cable Make: -	Cable Type: PILOT Operating Voltage (kV): - Year of installation: - Cable in tunnel: -
46L	472	SW	Cable Set: CABLE SECT 59 Cable Route: ST JOHNS WOOD - TOTTENHAM 1 Cable Make: BICC 275KV OIL FILLED PB SHEATH CABLE	Cable Type: A/C Operating Voltage (kV): 275 Year of installation: 1965 Cable in tunnel: -
47L	473	SW	Cable Set: CABLE SECT 59 Cable Route: ST JOHNS WOOD - TOTTENHAM 2 Cable Make: BICC 275KV OIL FILLED PB SHEATH CABLE	Cable Type: A/C Operating Voltage (kV): 275 Year of installation: 1965 Cable in tunnel: -
48L	473	SW	Cable Set: - Cable Route: - Cable Make: -	Cable Type: PILOT Operating Voltage (kV): - Year of installation: - Cable in tunnel: -
49M	479	NE	Cable Set: CABLE SECT 53 Cable Route: ST JOHNS WOOD - TOTTENHAM 2 Cable Make: BICC 275KV OIL FILLED PB SHEATH CABLE	Cable Type: A/C Operating Voltage (kV): 275 Year of installation: 1965 Cable in tunnel: -
50M	479	NE	Cable Set: - Cable Route: - Cable Make: -	Cable Type: PILOT Operating Voltage (kV): - Year of installation: - Cable in tunnel: -

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

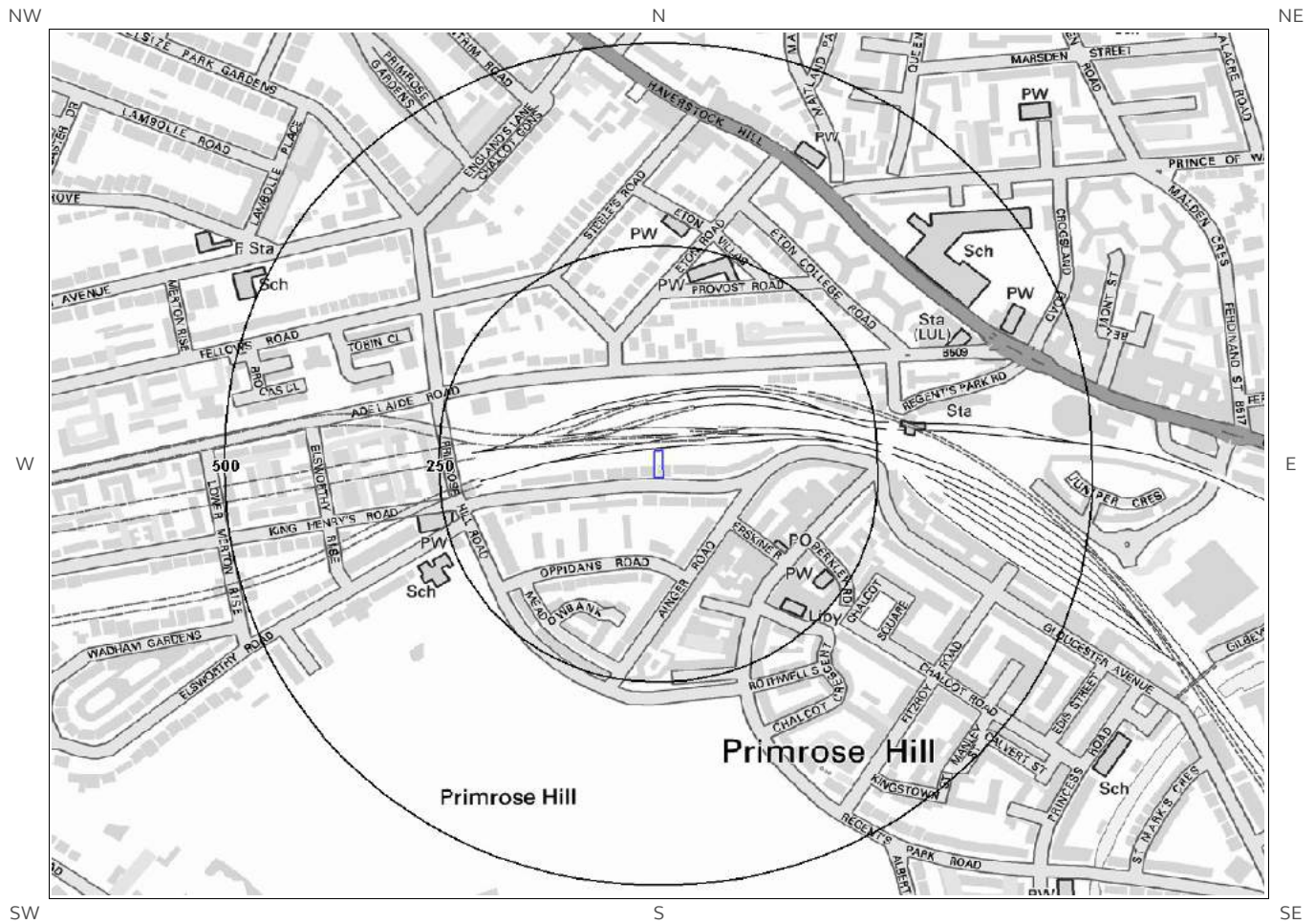
The database has been searched on site, including a 50m buffer.

Lex Code	Description	Rock Type
LC-CLSISA	LONDON CLAY FORMATION	CLAY, SILT AND SAND

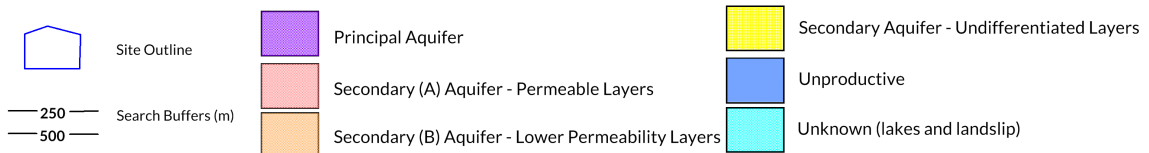
(Derived from the BGS 1:50,000 Digital Geological Map of Great Britain)

6 Hydrogeology and Hydrology

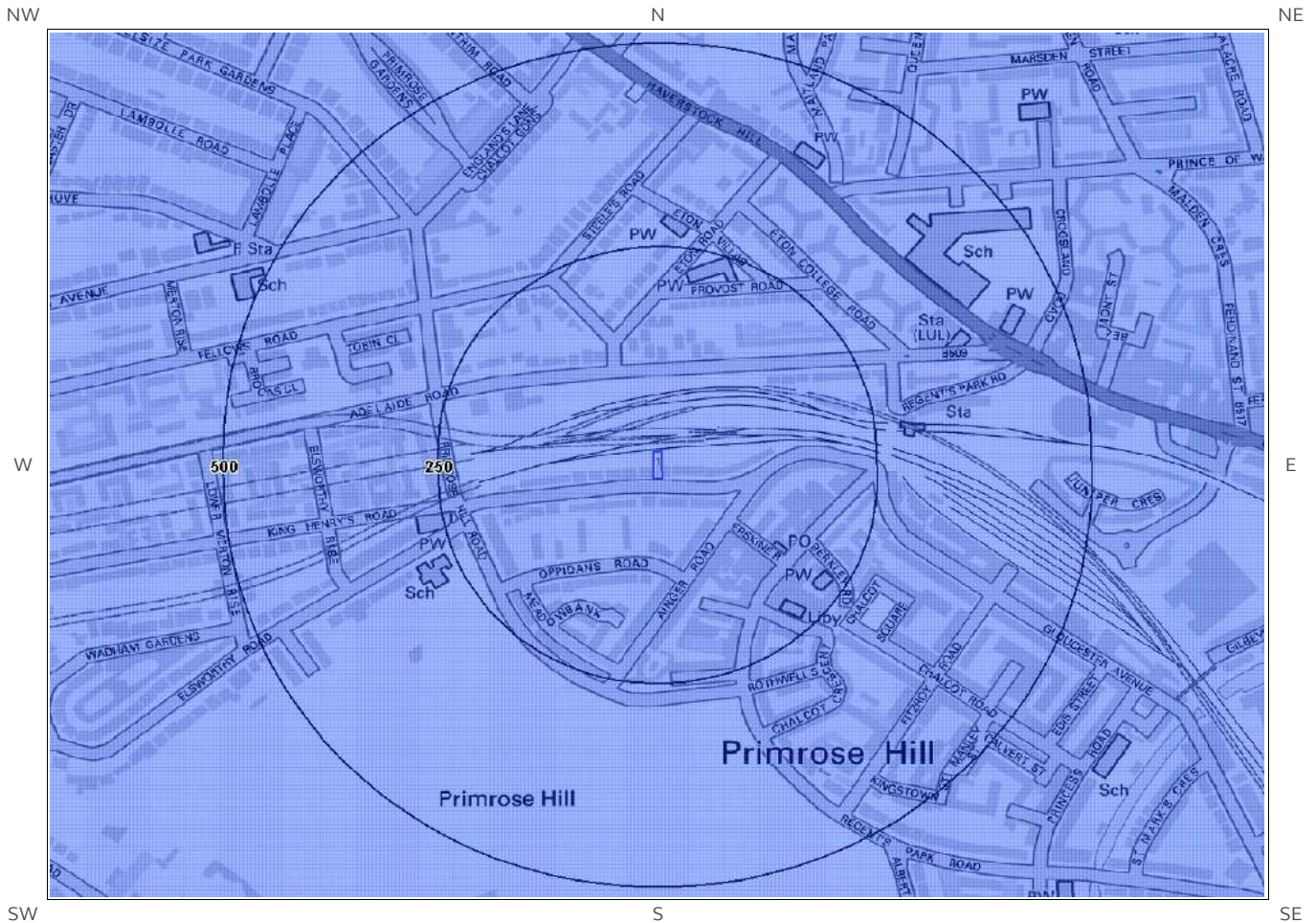
6a. Aquifer Within Superficial Geology



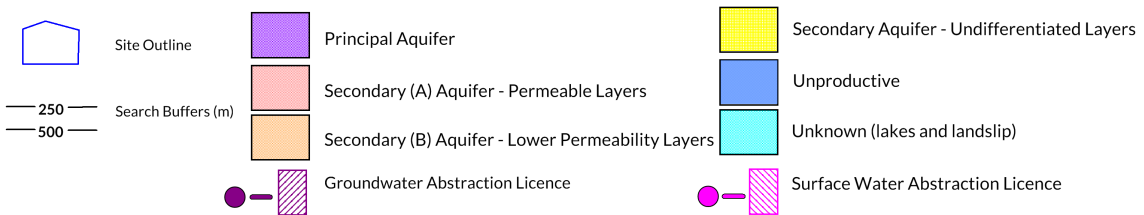
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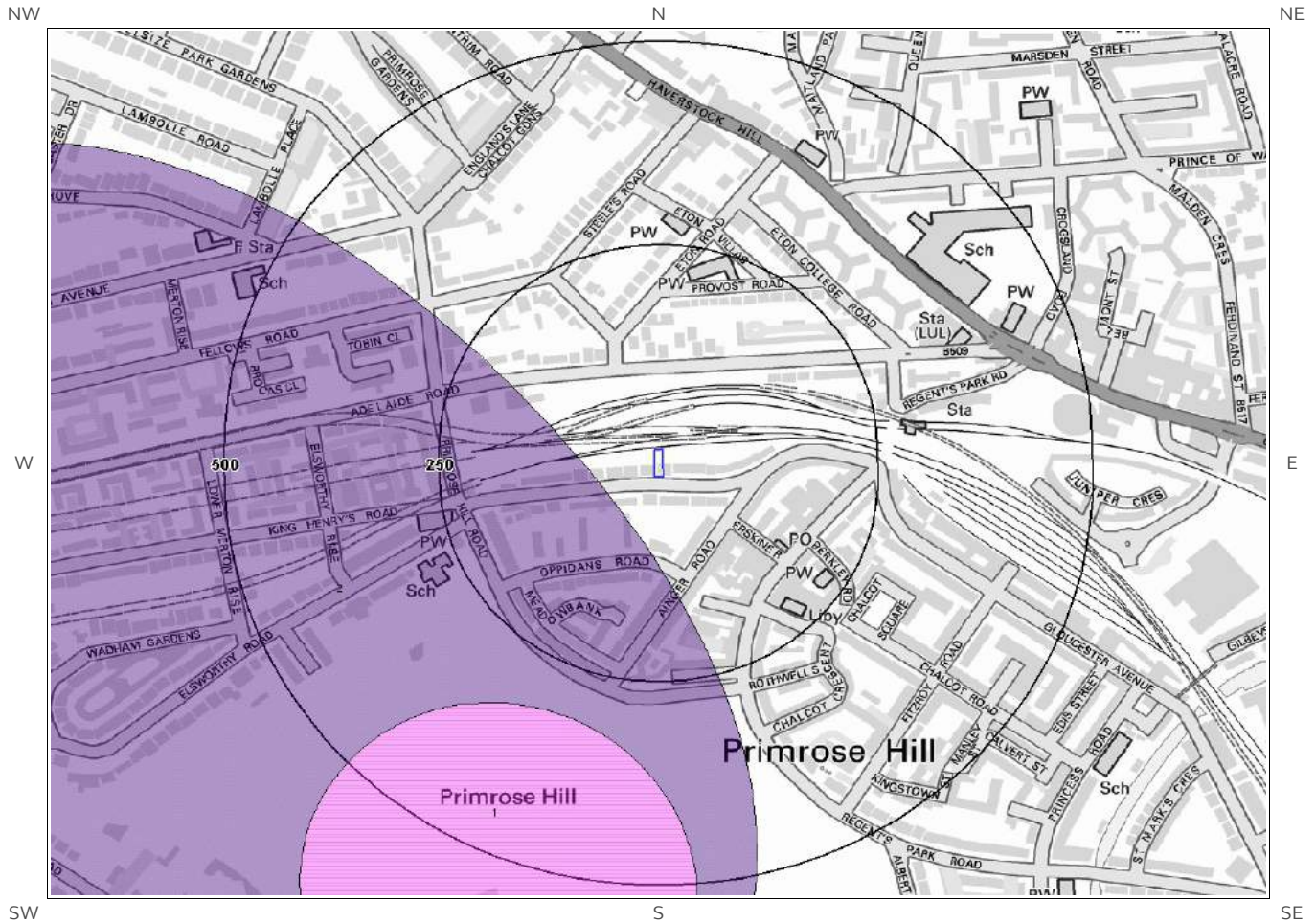
6b. Aquifer Within Bedrock Geology and Abstraction Licenses



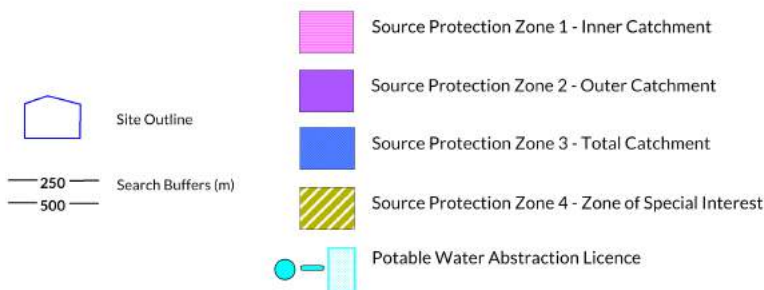
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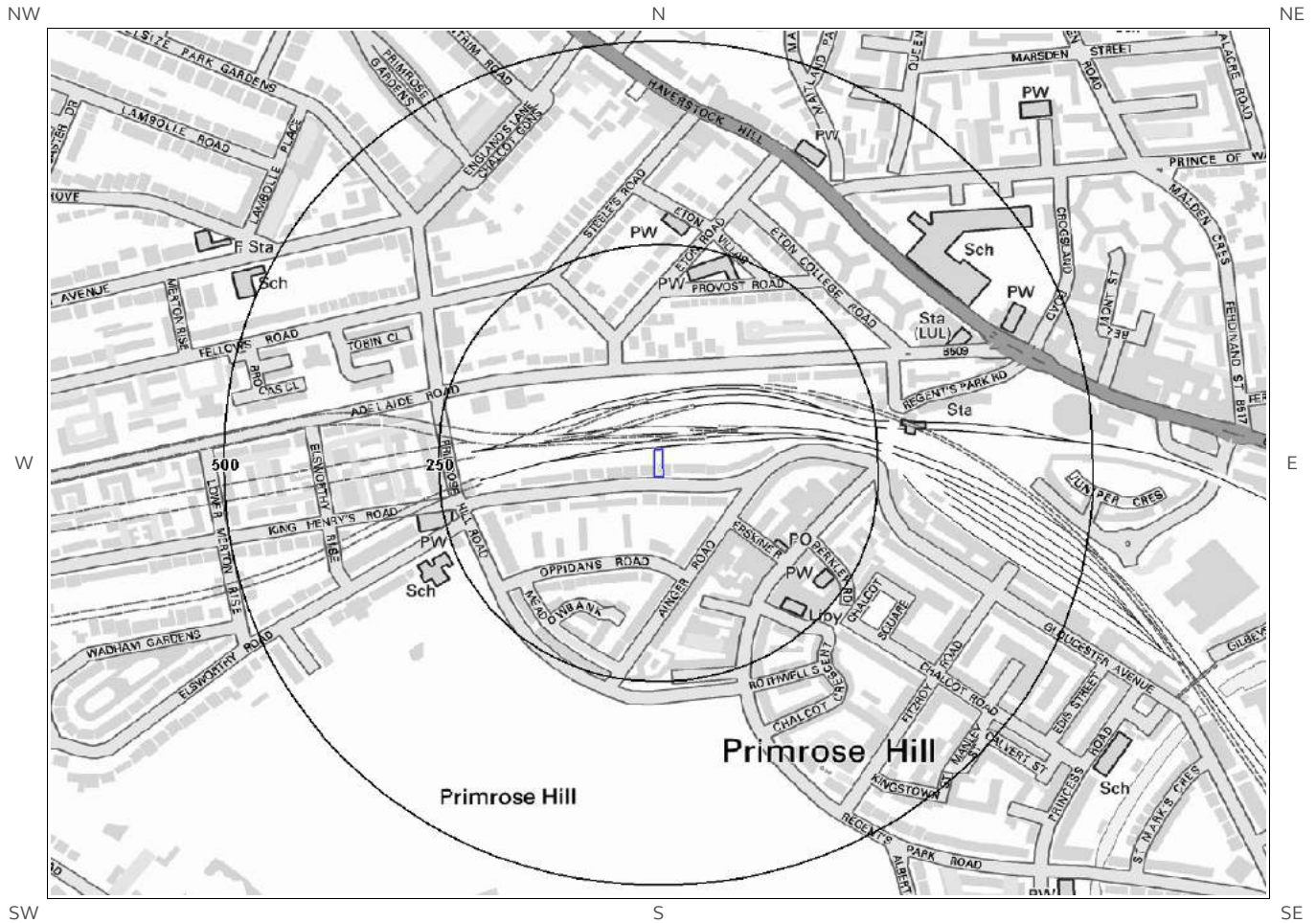
6c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licenses



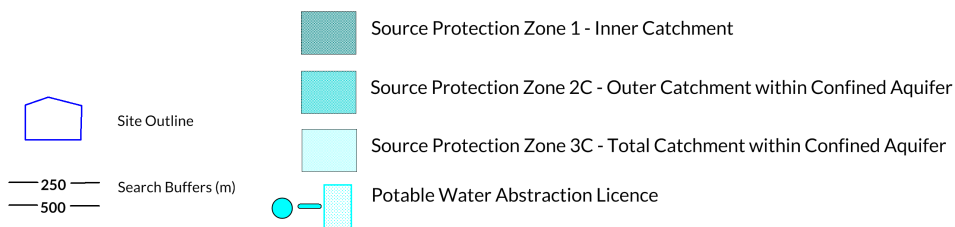
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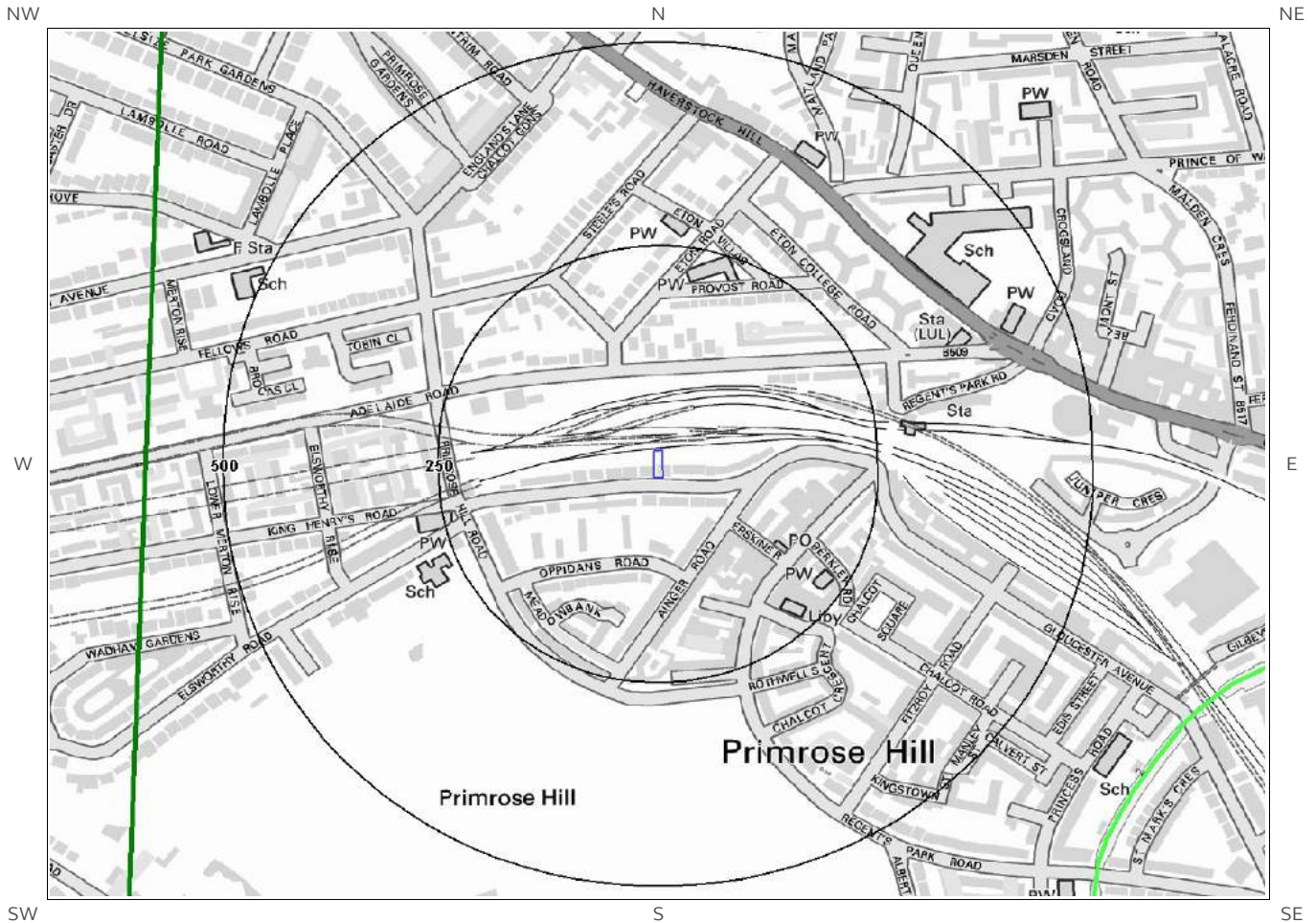
6d. Hydrogeology – Source Protection Zones within confined aquifer



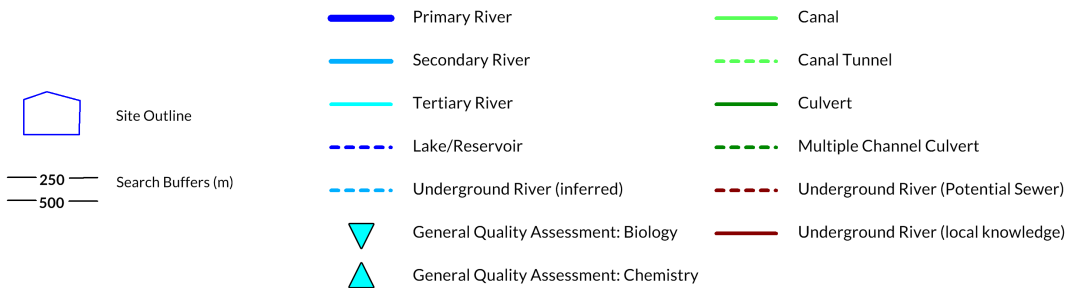
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6e. Hydrology – Detailed River Network and River Quality



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6. Hydrogeology and Hydrology

6.1 Aquifer within Superficial Deposits

Are there records of strata classification within the superficial geology at or in proximity to the property? No

Database searched and no data found.

From 1 April 2010, the Environment Agency's Groundwater Protection Policy has been using aquifer designations consistent with the Water Framework Directive. For further details on the designation and interpretation of this information, please refer to the Groundsure Enviro Insight User Guide.

6.2 Aquifer within Bedrock Deposits

Are there records of strata classification within the bedrock geology at or in proximity to the property? Yes

From 1 April 2010, the Environment Agency's Groundwater Protection Policy has been using aquifer designations consistent with the Water Framework Directive. For further details on the designation and interpretation of this information, please refer to the Groundsure Enviro Insight User Guide.

The following aquifer records are shown on the Aquifer within Bedrock Geology Map (6b):

ID	Distance (m)	Direction	Designation	Description
1	0	On Site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

6.3 Groundwater Abstraction Licences

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

The following Abstraction Licences records are represented as points, lines and regions on the Aquifer within Bedrock Geology Map (6b):

ID	Distance (m)	Direction	NGR	Details
Not shown	559	S	527636 183697	Status: Historical Licence No: TH/039/0039/058 Details: Potable Water Supply - Direct Direct Source: Thames Groundwater Point: Borehole At Barrow Hill Data Type: Point Name: THAMES WATER UTILITIES LTD Annual Volume (m ³): 631000 Max Daily Volume (m ³): 2000 Original Application No: NPS/WR/009229 Original Start Date: 1/4/2013 Expiry Date: 31/3/2025 Issue No: 1 Version Start Date: 1/4/2013 Version End Date:

ID	Distance (m)	Direction	NGR	Details
Not shown	565	S	527640 183690	<p>Status: Historical Licence No: 28/39/39/0231 Details: Potable Water Supply - Direct Direct Source: Thames Groundwater Point: Barrow Hill Pumping Station - Borehole Data Type: Point Name: THAMES WATER UTILITIES LTD</p> <p>Annual Volume (m³): 631000 Max Daily Volume (m³): 2000 Original Application No: WRA/R/1026 Original Start Date: 1/4/2007 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: 1/4/2007 Version End Date:</p>
Not shown	565	S	527640 183690	<p>Status: Historical Licence No: 28/39/39/0202 Details: Potable Water Supply - Direct Direct Source: Thames Groundwater Point: Barrow Hill Pumping Station - Borehole Data Type: Point Name: THAMES WATER UTILITIES LTD</p> <p>Annual Volume (m³): 631000 Max Daily Volume (m³): 2000 Original Application No: WRA/2/2(24) Original Start Date: 26/9/2002 Expiry Date: 31/3/2007 Issue No: 1 Version Start Date: 26/9/2002 Version End Date:</p>
Not shown	869	S	528000 183400	<p>Status: Historical Licence No: 28/39/39/0035 Details: Animal Watering & General Use in non Farming situations Direct Source: Thames Groundwater Point: Borehole At Regent's Park, London Nw1 Data Type: Point Name: ZOOLOGICAL SOCIETY OF LONDON</p> <p>Annual Volume (m³): 681.9 Max Daily Volume (m³): 59 Original Application No: - Original Start Date: 4/4/1966 Expiry Date: - Issue No: 100 Version Start Date: 4/4/1966 Version End Date:</p>
Not shown	968	W	526800 184280	<p>Status: Historical Licence No: 28/39/39/0219 Details: Spray Irrigation - Direct Direct Source: Thames Groundwater Point: Swiss Cottage Open Space- Borehole Data Type: Point Name: LONDON BOROUGH OF CAMDEN</p> <p>Annual Volume (m³): 10512 Max Daily Volume (m³): 28.8 Original Application No: WRA/N/1407 Original Start Date: 12/8/2005 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: 1/4/2008 Version End Date:</p>
Not shown	1018	W	526750 184261	<p>Status: Historical Licence No: TH/039/0039/087 Details: General Washing/Process Washing Direct Source: Thames Groundwater Point: Swiss Cottage Open Space- Borehole Data Type: Point Name: LONDON BOROUGH OF CAMDEN</p> <p>Annual Volume (m³): 10512 Max Daily Volume (m³): 28.8 Original Application No: NPS/WR/014567 Original Start Date: 5/12/2013 Expiry Date: 31/3/2025 Issue No: 1 Version Start Date: 5/12/2013 Version End Date:</p>
Not shown	1018	W	526750 184261	<p>Status: Historical Licence No: TH/039/0039/087 Details: Spray Irrigation - Direct Direct Source: Thames Groundwater Point: Swiss Cottage Open Space- Borehole Data Type: Point Name: LONDON BOROUGH OF CAMDEN</p> <p>Annual Volume (m³): 10512 Max Daily Volume (m³): 28.8 Original Application No: NPS/WR/014567 Original Start Date: 5/12/2013 Expiry Date: 31/3/2025 Issue No: 1 Version Start Date: 5/12/2013 Version End Date:</p>
Not shown	1018	W	526750 184261	<p>Status: Historical Licence No: TH/039/0039/087 Details: Lake & Pond Throughflow Direct Source: Thames Groundwater Point: Swiss Cottage Open Space- Borehole Data Type: Point Name: LONDON BOROUGH OF CAMDEN</p> <p>Annual Volume (m³): 10512 Max Daily Volume (m³): 28.8 Original Application No: NPS/WR/014567 Original Start Date: 5/12/2013 Expiry Date: 31/3/2025 Issue No: 1 Version Start Date: 5/12/2013 Version End Date:</p>

ID	Distance (m)	Direction	NGR	Details
Not shown	1107	NE	528800 184700	<p>Status: Historical Licence No: 28/39/39/0091 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Two Bores At Kentish Town Sports Centre, Prince Of Wales St Data Type: Point Name: GREENWICH LEISURE LTD</p> <p>Annual Volume (m³): 94506 Max Daily Volume (m³): 1813.8 Original Application No: NPS/WR/010565 Original Start Date: 13/6/1966 Expiry Date: - Issue No: 101 Version Start Date: 5/4/2012 Version End Date:</p>
Not shown	1107	NE	528800 184700	<p>Status: Historical Licence No: 28/39/39/0091 Details: Process Water Direct Source: Thames Groundwater Point: Kentish Town Sports Centre, Prince Of Wales St Data Type: Point Name: GREENWICH LEISURE LIMITED</p> <p>Annual Volume (m³): 17997 Max Daily Volume (m³): 604.6 Original Application No: NPS/WR/010565 Original Start Date: 13/6/1966 Expiry Date: - Issue No: 101 Version Start Date: 25/5/2012 Version End Date:</p>
Not shown	1107	NE	528800 184700	<p>Status: Historical Licence No: 28/39/39/0091 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Kentish Town Sports Centre, Prince Of Wales St Data Type: Point Name: GREENWICH LEISURE LIMITED</p> <p>Annual Volume (m³): 17997 Max Daily Volume (m³): 604.6 Original Application No: NPS/WR/010565 Original Start Date: 13/6/1966 Expiry Date: - Issue No: 101 Version Start Date: 25/5/2012 Version End Date:</p>
Not shown	1107	NE	528800 184700	<p>Status: Historical Licence No: 28/39/39/0091 Details: Laundry Use Direct Source: Thames Groundwater Point: Two Bores At Kentish Town Sports Centre, Prince Of Wales St Data Type: Point Name: GREENWICH LEISURE LTD</p> <p>Annual Volume (m³): 94506 Max Daily Volume (m³): 1813.8 Original Application No: NPS/WR/010565 Original Start Date: 13/6/1966 Expiry Date: - Issue No: 101 Version Start Date: 5/4/2012 Version End Date:</p>
Not shown	1107	NE	528800 184700	<p>Status: Historical Licence No: 28/39/39/0091 Details: Process Water Direct Source: Thames Groundwater Point: Two Bores At Kentish Town Sports Centre, Prince Of Wales St Data Type: Point Name: GREENWICH LEISURE LTD</p> <p>Annual Volume (m³): 94506 Max Daily Volume (m³): 1813.8 Original Application No: NPS/WR/010565 Original Start Date: 13/6/1966 Expiry Date: - Issue No: 101 Version Start Date: 5/4/2012 Version End Date:</p>
Not shown	1657	S	527420 182620	<p>Status: Historical Licence No: 28/39/39/0115 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Thames Groundwater Point: Abbey Lodge, Park Road, London Nw8-two Boreholes Data Type: Point Name: ABBEY LODGE RTM COMPANY LIMITED</p> <p>Annual Volume (m³): 28640 Max Daily Volume (m³): 100 Original Application No: - Original Start Date: 5/9/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/6/2006 Version End Date:</p>
Not shown	1657	S	527420 182620	<p>Status: Historical Licence No: 28/39/39/0115 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Thames Groundwater Point: Two Boreholes At Abbey Lodge, Park Road, London Nw8 Data Type: Point Name: WOOD MANAGEMENT TRUSTEES LTD</p> <p>Annual Volume (m³): 28640 Max Daily Volume (m³): 100 Original Application No: - Original Start Date: 5/9/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/11/1991 Version End Date:</p>

6.4 Surface Water Abstraction Licences

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

Yes

The following Surface Water Abstraction Licences records are represented as points, lines and regions on the Aquifer within Bedrock Geology Map (6b):

ID	Distance (m)	Direction	NGR	Details
Not shown	744	E	528490 184020	Status: Historical Licence No: 28/39/39/0173 Details: Non-Evaporative Cooling Direct Source: Thames Surface Water - Non Tidal Point: Oval Road, Camden - Grand Union Regents Canal Data Type: Point Name: BRITISH WATERWAYS BOARD Annual Volume (m ³): - Max Daily Volume (m ³): - Application No: - Original Start Date: 8/12/1994 Expiry Date: - Issue No: 100 Version Start Date: 8/12/1994 Version End Date:
Not shown	754	E	528500 184020	Status: Active Licence No: 28/39/39/0164 Details: Non-Evaporative Cooling Direct Source: Thames Surface Water - Non Tidal Point: Southampton Bridge, London, Nw8 - Regents Canal Data Type: Point Name: Canal and River Trust Annual Volume (m ³): 7010000 Max Daily Volume (m ³): 19520 Application No: - Original Start Date: 18/7/1980 Expiry Date: - Issue No: 101 Version Start Date: 17/12/2007 Version End Date:
Not shown	1920	S	527050 182460	Status: Active Licence No: 28/39/39/0164 Details: Non-Evaporative Cooling Direct Source: Thames Surface Water - Non Tidal Point: St John's Wood, London - Regents Canal Data Type: Point Name: Canal and River Trust Annual Volume (m ³): 7010000 Max Daily Volume (m ³): 19520 Application No: - Original Start Date: 18/7/1980 Expiry Date: - Issue No: 101 Version Start Date: 17/12/2007 Version End Date:

6.5 Potable Water Abstraction Licences

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

Yes

The following Potable Water Abstraction Licences records are represented as points, lines and regions on the SPZ and Potable Water Abstraction Licences Map (6c):

ID	Distance (m)	Direction	NGR	Details
Not shown	559	S	527636 183697	Status: Active Licence No: TH/039/0039/058 Details: Potable Water Supply - Direct Direct Source: Thames Groundwater Point: Borehole At Barrow Hill Data Type: Point Name: THAMES WATER UTILITIES LTD Annual Volume (m ³): 631000 Max Daily Volume (m ³): 2000 Original Application No: NPS/WR/009229 Original Start Date: 1/4/2013 Expiry Date: 31/3/2025 Issue No: 1 Version Start Date: Version End Date:
Not shown	565	S	527640 183690	Status: Historical Licence No: 28/39/39/0231 Details: Potable Water Supply - Direct Direct Source: Thames Groundwater Point: Barrow Hill Pumping Station - Borehole Data Type: Point Name: THAMES WATER UTILITIES LTD Annual Volume (m ³): 631000 Max Daily Volume (m ³): 2000 Original Application No: WRA/R/1026 Original Start Date: 1/4/2007 Expiry Date: 31/3/2013 Issue No: 1 Version Start Date: Version End Date:

ID	Distance (m)	Direction	NGR	Details
Not shown	565	S	527640 183690	<p>Status: Historical Licence No: 28/39/39/0202 Details: Potable Water Supply - Direct Direct Source: Thames Groundwater Point: Barrow Hill Pumping Station - Borehole Data Type: Point Name: THAMES WATER UTILITIES LTD</p> <p>Annual Volume (m³): 631000 Max Daily Volume (m³): 2000 Original Application No: WRA/2/2(24) Original Start Date: 26/9/2002 Expiry Date: 31/3/2007 Issue No: 1 Version Start Date: Version End Date:</p>
Not shown	1107	NE	528800 184700	<p>Status: Historical Licence No: 28/39/39/0091 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Two Bores At Kentish Town Sports Centre, Prince Of Wales St Data Type: Point Name: GREENWICH LEISURE LTD</p> <p>Annual Volume (m³): 94506 Max Daily Volume (m³): 1813.8 Original Application No: NPS/WR/010565 Original Start Date: 13/6/1966 Expiry Date: - Issue No: 101 Version Start Date: Version End Date:</p>
Not shown	1107	NE	528800 184700	<p>Status: Active Licence No: 28/39/39/0091 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Thames Groundwater Point: Kentish Town Sports Centre, Prince Of Wales St Data Type: Point Name: GREENWICH LEISURE LIMITED</p> <p>Annual Volume (m³): 17997 Max Daily Volume (m³): 604.6 Original Application No: NPS/WR/010565 Original Start Date: 13/6/1966 Expiry Date: - Issue No: 101 Version Start Date: Version End Date:</p>
Not shown	1657	S	527420 182620	<p>Status: Historical Licence No: 28/39/39/0115 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Thames Groundwater Point: Two Boreholes At Abbey Lodge, Park Road, London Nw8 Data Type: Point Name: WOOD MANAGEMENT TRUSTEES LTD</p> <p>Annual Volume (m³): 28640 Max Daily Volume (m³): 100 Original Application No: - Original Start Date: 5/9/1966 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:</p>
Not shown	1657	S	527420 182620	<p>Status: Active Licence No: 28/39/39/0115 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Thames Groundwater Point: Abbey Lodge, Park Road, London Nw8- two Boreholes Data Type: Point Name: ABBEY LODGE RTM COMPANY LIMITED</p> <p>Annual Volume (m³): 28640 Max Daily Volume (m³): 100 Original Application No: - Original Start Date: 5/9/1966 Expiry Date: - Issue No: 101 Version Start Date: Version End Date:</p>

6.6 Source Protection Zones

Are there any Source Protection Zones within 500m of the study site?

Yes

The following Source Protection Zones records are represented on the SPZ and Potable Water Abstraction Map (6c):

ID	Distance (m)	Direction	Zone	Description
2	56	SW	2	Outer catchment
1	311	S	1	Inner catchment

6.7 Source Protection Zones within Confined Aquifer

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

Historically, Source Protection Zone maps have been focused on regulation of activities which occur at or near the ground surface, such as prevention of point source pollution and bacterial contamination of water supplies. Sources in confined aquifers were often considered to be protected from these surface pressures due to the presence of a low permeability confining layer (e.g. glacial till, clay). The increased interest in subsurface activities such as onshore oil and gas exploration, ground source heating and cooling requires protection zones for confined sources to be marked on SPZ maps where this has not already been done.

Database searched and no data found.

6.8 Groundwater Vulnerability and Soil Leaching Potential

Is there any Environment Agency information on groundwater vulnerability and soil leaching potential within 500m of the study site? No

Database searched and no data found.

6.9 River Quality

Is there any Environment Agency information on river quality within 1500m of the study site? Yes

6.9.1 Biological Quality:

Biological Quality data describes water quality in terms of 83 groups of macroinvertebrates, some of which are pollution sensitive. The results are graded from A ('Very Good') to F ('Bad').

The following Biological Quality records are shown on the Hydrology Map (6e):

ID	Distance (m)	Direction	NGR	River Quality Grade	Biological Quality Grade				
					2005	2006	2007	2008	2009
Not shown	1378	E	529150 184100	River Name: Grand Union Canal (paddington Arm) Reach: Canal Feeder - Camden Road End/Start of Stretch: End of Stretch NGR	F	F	F	F	E

6.9.2 Chemical Quality:

Database searched and no data found.

6.10 Detailed River Network

Are there any Detailed River Network entries within 500m of the study site?

No

Database searched and no data found.

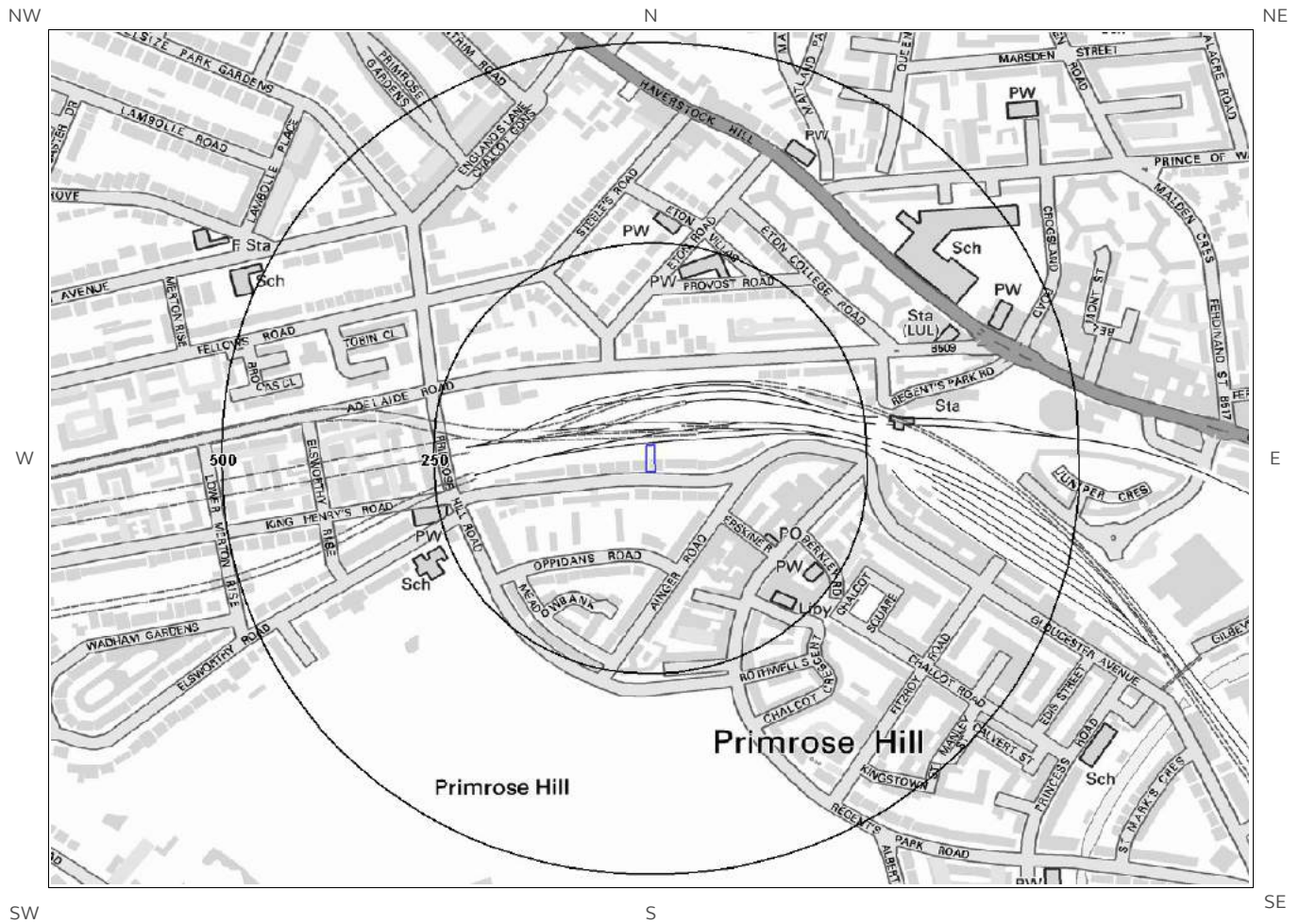
6.11 Surface Water Features

Are there any surface water features within 250m of the study site?

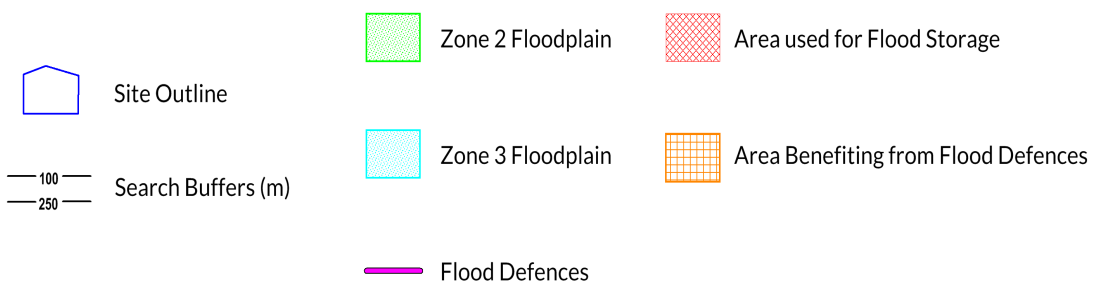
No

Database searched and no data found.

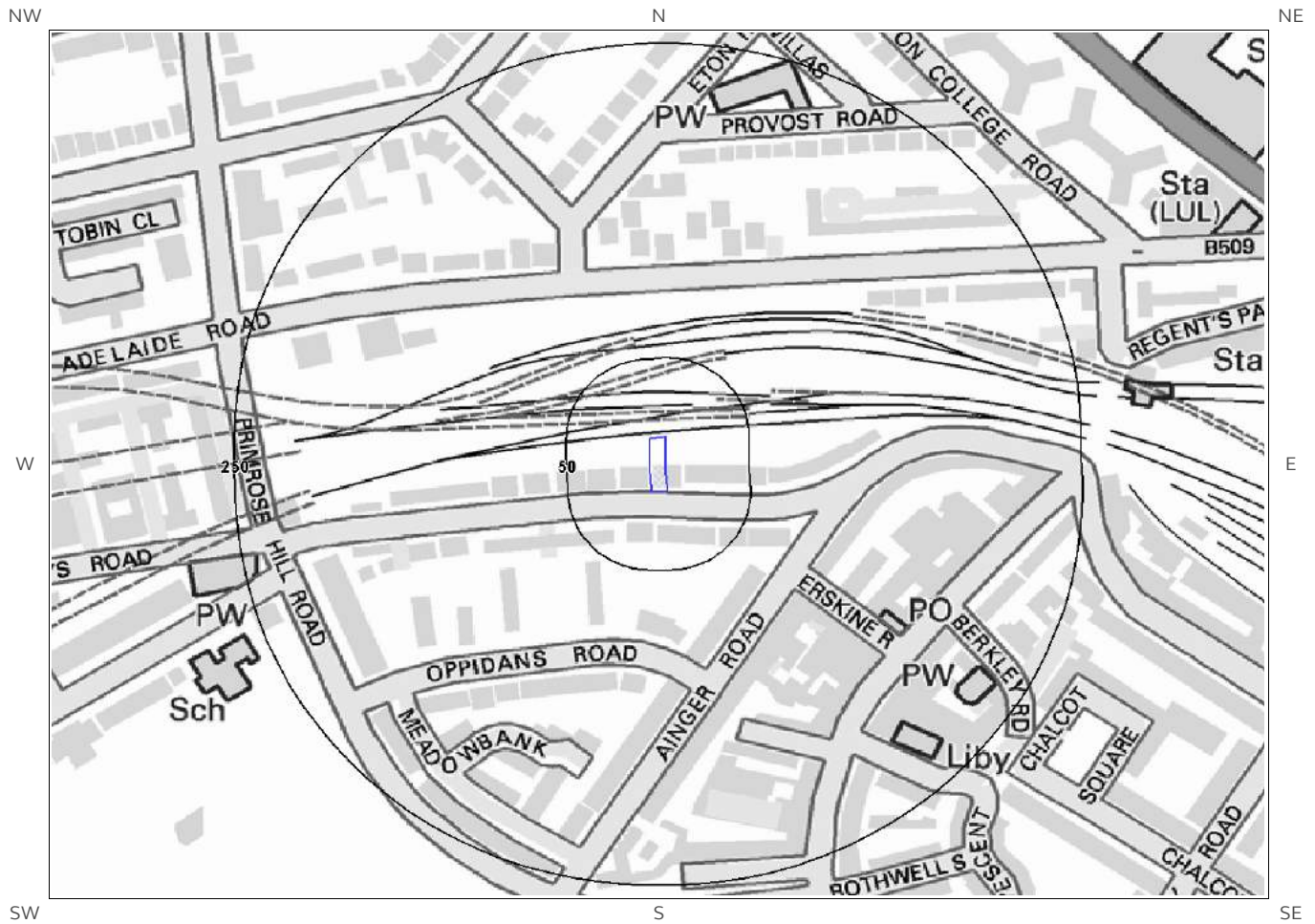
7a. Environment Agency Flood Map for Planning (from rivers and the sea)



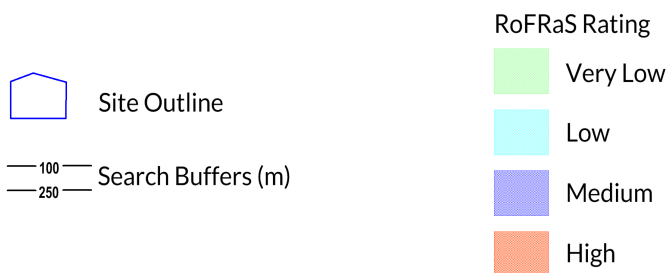
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7b. Environment Agency Risk of Flooding from Rivers and the Sea (RoFRaS) Map



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7 Flooding

7.1 River and Coastal Zone 2 Flooding

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

Environment Agency Zone 2 floodplains estimate the annual probability of flooding as between 1 in 1000 (0.1%) and 1 in 100 (1%) from rivers and between 1 in 1000 (0.1%) and 1 in 200 (0.5%) from the sea. Any relevant data is represented on Map 7a – Flood Map for Planning:

Database searched and no data found.

7.2 River and Coastal Zone 3 Flooding

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

Zone 3 shows the extent of a river flood with a 1 in 100 (1%) or greater chance of occurring in any year or a sea flood with a 1 in 200 (0.5%) or greater chance of occurring in any year. Any relevant data is represented on Map 7a – Flood Map for Planning.

Database searched and no data found.

7.3 Risk of Flooding from Rivers and the Sea (RoFRaS) Flood Rating

What is the highest risk of flooding onsite? Very Low

The Environment Agency RoFRaS database provides an indication of river and coastal flood risk at a national level on a 50m grid with the flood rating at the centre of the grid calculated and given above. The data considers the probability that the flood defences will overtop or breach by considering their location, type, condition and standard of protection.

RoFRaS data for the study site indicates the property is in an area with a Very Low (less than 1 in 1000) chance of flooding in any given year.

7.4 Flood Defences

Are there any Flood Defences within 250m of the study site? No
Database searched and no data found.

7.5 Areas benefiting from Flood Defences

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

7.6 Areas benefiting from Flood Storage

Are there any areas used for Flood Storage within 250m of the study site?

No

7.7 Groundwater Flooding Susceptibility Areas

7.7.1 Are there any British Geological Survey groundwater flooding susceptibility areas within 50m of the boundary of the study site? No

Notes: Groundwater flooding may either be associated with shallow unconsolidated sedimentary aquifers which overlie unproductive aquifers (Superficial Deposits Flooding), or with unconfined aquifers (Clearwater Flooding).

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

Not Prone

The area is not considered to be prone to groundwater flooding based on rock type.

7.8 Groundwater Flooding Confidence Areas

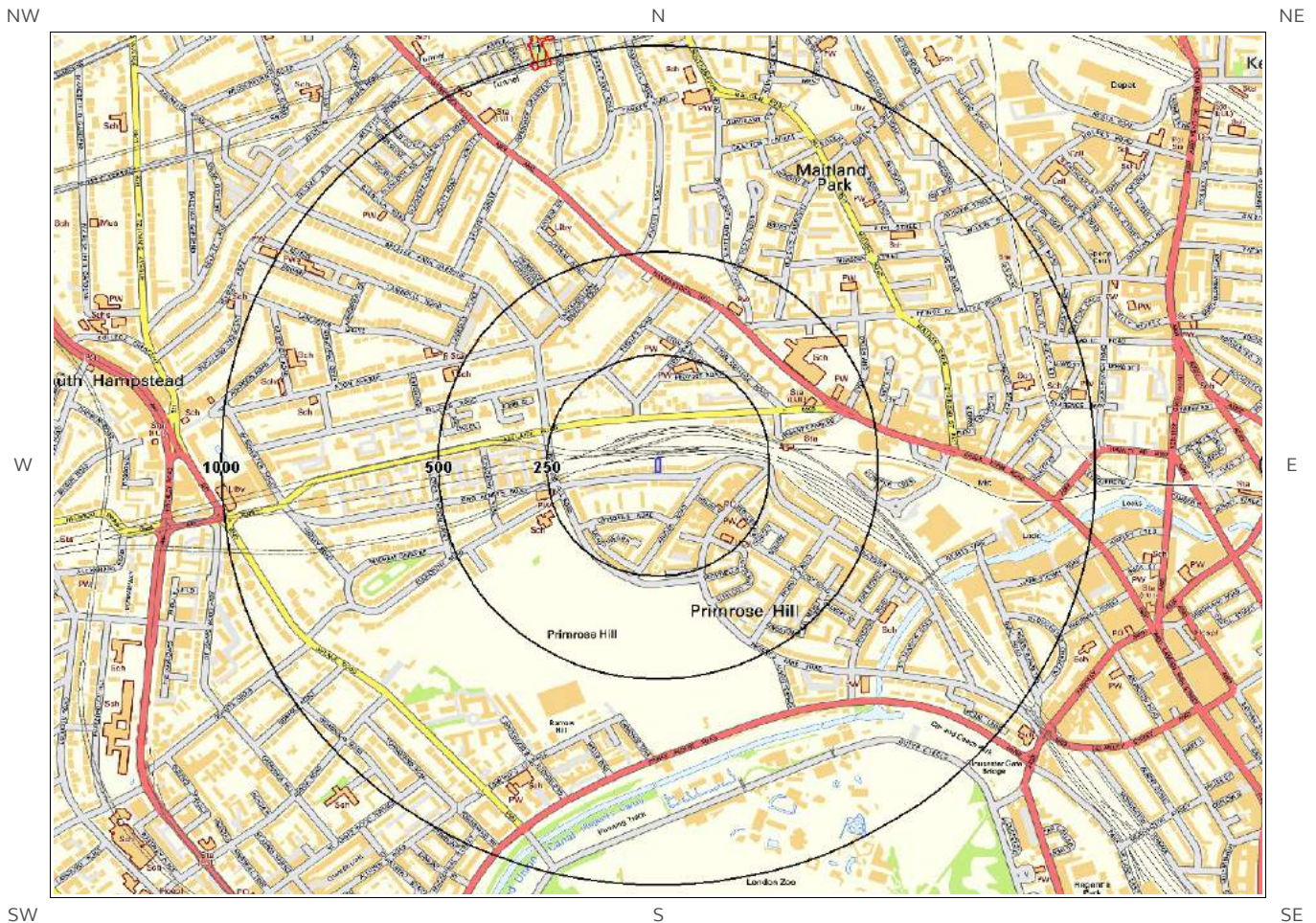
What is the British Geological Survey confidence rating in this result?

Not Applicable

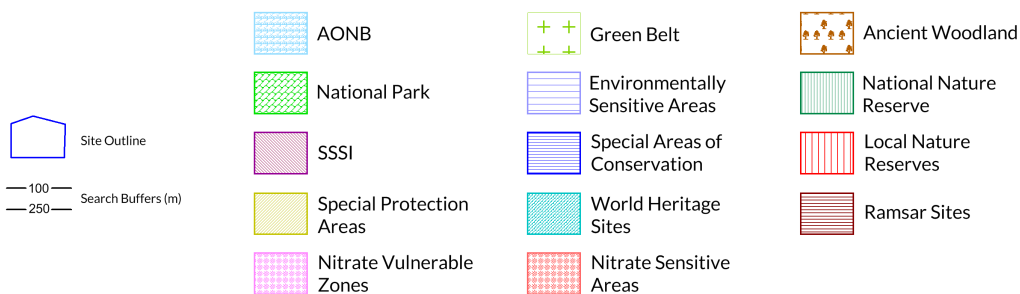
Notes: Groundwater flooding is defined as the emergence of groundwater at the ground surface or the rising of groundwater into man-made ground under conditions where the normal range of groundwater levels is exceeded.

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

8. Designated Environmentally Sensitive Sites Map



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8. Designated Environmentally Sensitive Sites

Presence of Designated Environmentally Sensitive Sites within 2000m of the study site? Yes

8.1 Records of Sites of Special Scientific Interest (SSSI) within 2000m of the study site:

0

Database searched and no data found.

8.2 Records of National Nature Reserves (NNR) within 2000m of the study site:

0

Database searched and no data found.

8.3 Records of Special Areas of Conservation (SAC) within 2000m of the study site:

0

Database searched and no data found.

8.4 Records of Special Protection Areas (SPA) within 2000m of the study site:

0

Database searched and no data found.

8.5 Records of Ramsar sites within 2000m of the study site:

0

Database searched and no data found.

8.6 Records of Ancient Woodland within 2000m of the study site:

0

Database searched and no data found.

8.7 Records of Local Nature Reserves (LNR) within 2000m of the study site:

2

The following Local Nature Reserve (LNR) records provided by Natural England/Natural Resources Wales are represented as polygons on the Designated Environmentally Sensitive Sites Map:

ID	Distance (m)	Direction	LNR Name	Data Source
1	980	N	Belsize Wood	Natural England
Not shown	1365	SW	St John's Wood Church Grounds	Natural England

8.8 Records of World Heritage Sites within 2000m of the study site:

0

Database searched and no data found.

8.9 Records of Environmentally Sensitive Areas within 2000m of the study site:

0

Database searched and no data found.

8.10 Records of Areas of Outstanding Natural Beauty (AONB) within 2000m of the study site:

0

Database searched and no data found.

8.11 Records of National Parks (NP) within 2000m of the study site:

0

Database searched and no data found.

8.12 Records of Nitrate Sensitive Areas within 2000m of the study site:

0

Database searched and no data found.

8.13 Records of Nitrate Vulnerable Zones within 2000m of the study site:

0

Database searched and no data found.

8.14 Records of Green Belt land within 2000m of the study site:

0

Database searched and no data found.

9. Natural Hazards Findings

9.1 Detailed BGS GeoSure Data

BGS GeoSure Data has been searched to 50m. The data is included in tabular format. If you require further information on geology and ground stability, please obtain a **Groundsure Geo Insight**, available from our [website](#). The following information has been found:

9.1.1 Shrink Swell

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

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Ground conditions predominantly high plasticity. Do not plant or remove trees or shrubs near to buildings without expert advice about their effect and management. 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 probable increase in construction cost to reduce potential shrink-swell problems. For existing property, there is a probable increase in insurance risk during droughts or where vegetation with high moisture demands is present.

9.1.2 Landslides

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

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Possibility of slope instability problems after major changes in ground conditions. Consideration should be given to stability if changes to drainage or excavations take place. Possible increase in construction cost to reduce potential slope stability problems. Existing property no significant increase in insurance risk due to natural slope instability problems.

9.1.3 Soluble Rocks

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

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
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.

* This indicates an automatically generated 50m buffer and site.

9.1.4 Compressible Ground

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

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard

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.

9.1.5 Collapsible Rocks

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

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard

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.

9.1.6 Running Sand

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

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard

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.

9.2 Radon

9.2.1 Radon Affected Areas

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 not in a Radon Affected Area, as less than 1% of properties are above the Action Level.

* This indicates an automatically generated 50m buffer and site.

9.2.2 Radon Protection

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.

10. Mining

10.1 Coal Mining

Are there any coal mining areas within 75m of the study site? No

Database searched and no data found.

10.2 Non-Coal Mining

Are there any Non-Coal Mining areas within 50m of the study site boundary? No

Database searched and no data found.

10.3 Brine Affected Areas

Are there any brine affected areas within 75m of the study site? No
Guidance: No Guidance Required.

Contact Details

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info@groundsure.com

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Keyworth, Nottingham NG12 5GG
Tel: 0115 936 3143.
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Email:

Web:www.bgs.ac.uk

BGS Geological Hazards Reports and general geological enquiries:
enquiries@bgs.ac.uk

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Rotherham, S60 1BY
Tel: 08708 506 506

Web:www.environment-agency.gov.uk

Email:enquiries@environment-agency.gov.uk

Public Health England

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www.gov.uk/phe

Email:enquiries@phe.gov.uk

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Local Authority

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Phone: 020 7974 4444

Web: <http://www.camden.gov.uk/>

Address: Camden Town Hall, Judd Street, London, WC1H 9JE

Gemapping PLC

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Tel: 01252 845444



Acknowledgements: Site of Special Scientific Interest, National Nature Reserve, Ramsar Site, Special Protection Area, Special Area of Conservation data is provided by, and used with the permission of, Natural England who retain the Copyright and Intellectual Property Rights for the data.

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<https://www.groundsure.com/terms-and-conditions-sept-2016>



Groundsure

LOCATION INTELLIGENCE

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Groundsure Reference: GS-3437485
Your Reference: 7806_-_7366
Report Date: 9 Nov 2016
Report Delivery Method: Email - pdf

Groundsure Geo Insight

Address: 34A, KING HENRYS ROAD, LONDON, NW3 3RP

Dear Sir/ Madam,

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

If you need any further assistance, please do not hesitate to contact our helpline on 08444 159000 quoting the above Groundsure reference number.

Yours faithfully,

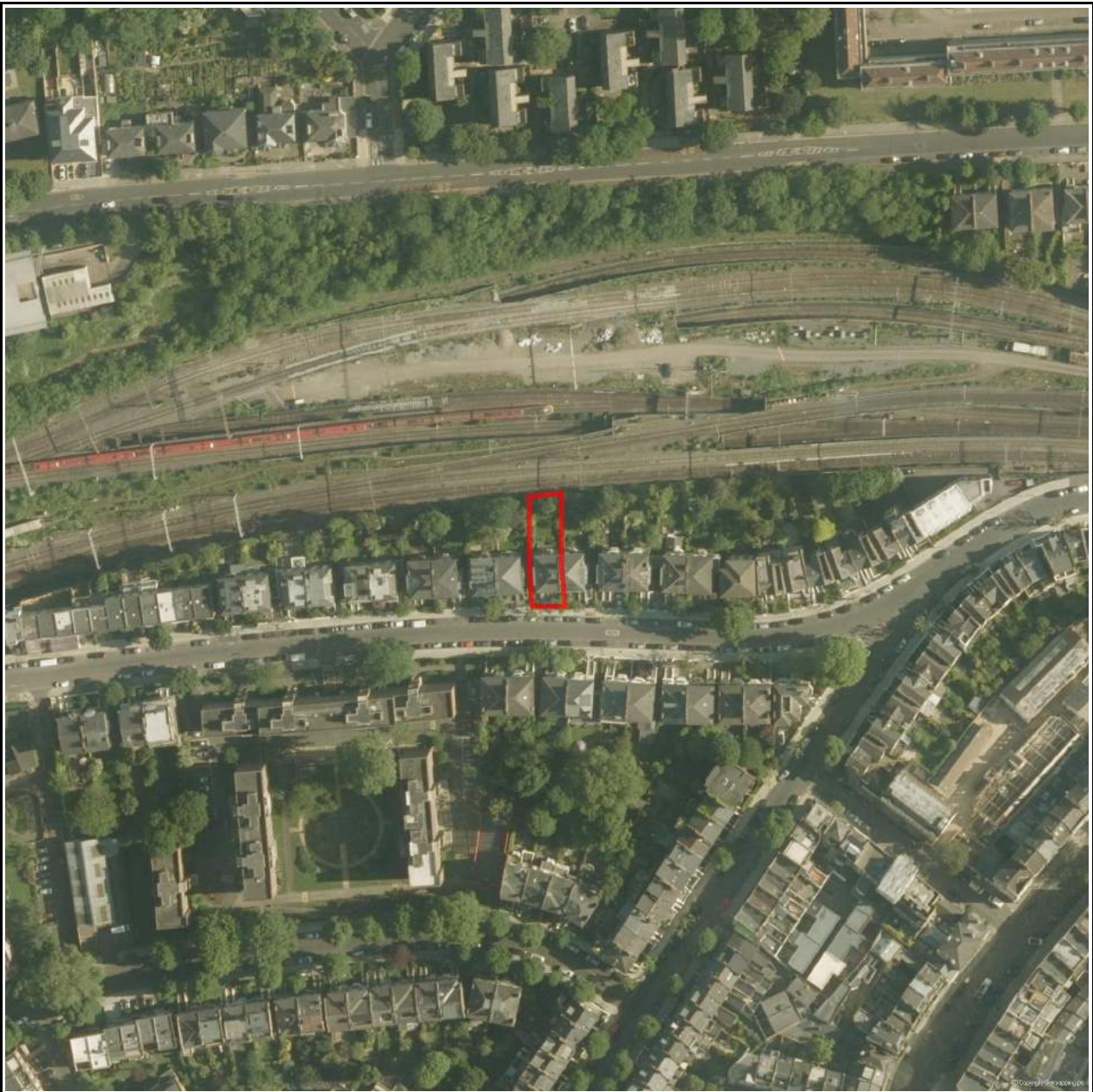
Managing Director
Groundsure Limited

Enc.
Groundsure Geoinsight

Groundsure Geo Insight

Address: 34A, KING HENRYS ROAD, LONDON, NW3 3RP
Date: 9 Nov 2016
Reference: GS-3437485
Client: Chelmer Site Investigation Laboratories Ltd

NW N NE



SW S SE

Aerial Photograph Capture date: 04-May-2014
Grid Reference: 527774,184252
Site Size: 0.03ha

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Overview of Findings

The Groundsure Geo Insight provides high quality geo-environmental information that allows geo-environmental professionals and their clients to make informed decisions and be forewarned of potential ground instability problems that may affect the ground investigation, foundation design and possibly remediation options that could lead to possible additional costs.

The report is based on the BGS 1:50,000 Digital Geological Map of Great Britain, BGS Geosure data; BRITPITS database; Shallow Mining data and Borehole Records, Coal Authority data including brine extraction areas, PBA non-coal mining and natural cavities database, Johnson Poole and Bloomer mining data and Groundsure's unique database including historical surface ground and underground workings.

For further details on each dataset, please refer to each individual section in the 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:Geology

1.1 Artificial Ground	1.1.1 Is there any Artificial Ground/ Made Ground present beneath the study site?	No
	1.1.2 Are there any records relating to permeability of artificial ground within the study site* boundary?	No
1.2 Superficial Geology and Landslips	1.2.1 Is there any Superficial Ground/Drift Geology present beneath the study site?	No
	1.2.2 Are there any records relating to permeability of superficial geology within the study site boundary?	No
	1.2.3 Are there any records of landslip within 500m of the study site boundary?	No
	1.2.4 Are there any records relating to permeability of landslips within the study site boundary?	No
1.3 Bedrock, Solid Geology & Faults	1.3.1 For records of Bedrock and Solid Geology beneath the study site* see the detailed findings section.	
	1.3.2 Are there any records relating to permeability of bedrock within the study site boundary?	Yes
	1.3.3 Are there any records of faults within 500m of the study site boundary?	No
1.4 Radon data	1.4.1 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 not in a Radon Affected Area, as less than 1% of properties are above the Action Level
	1.4.2 Is the property in an area where Radon Protection Measures 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

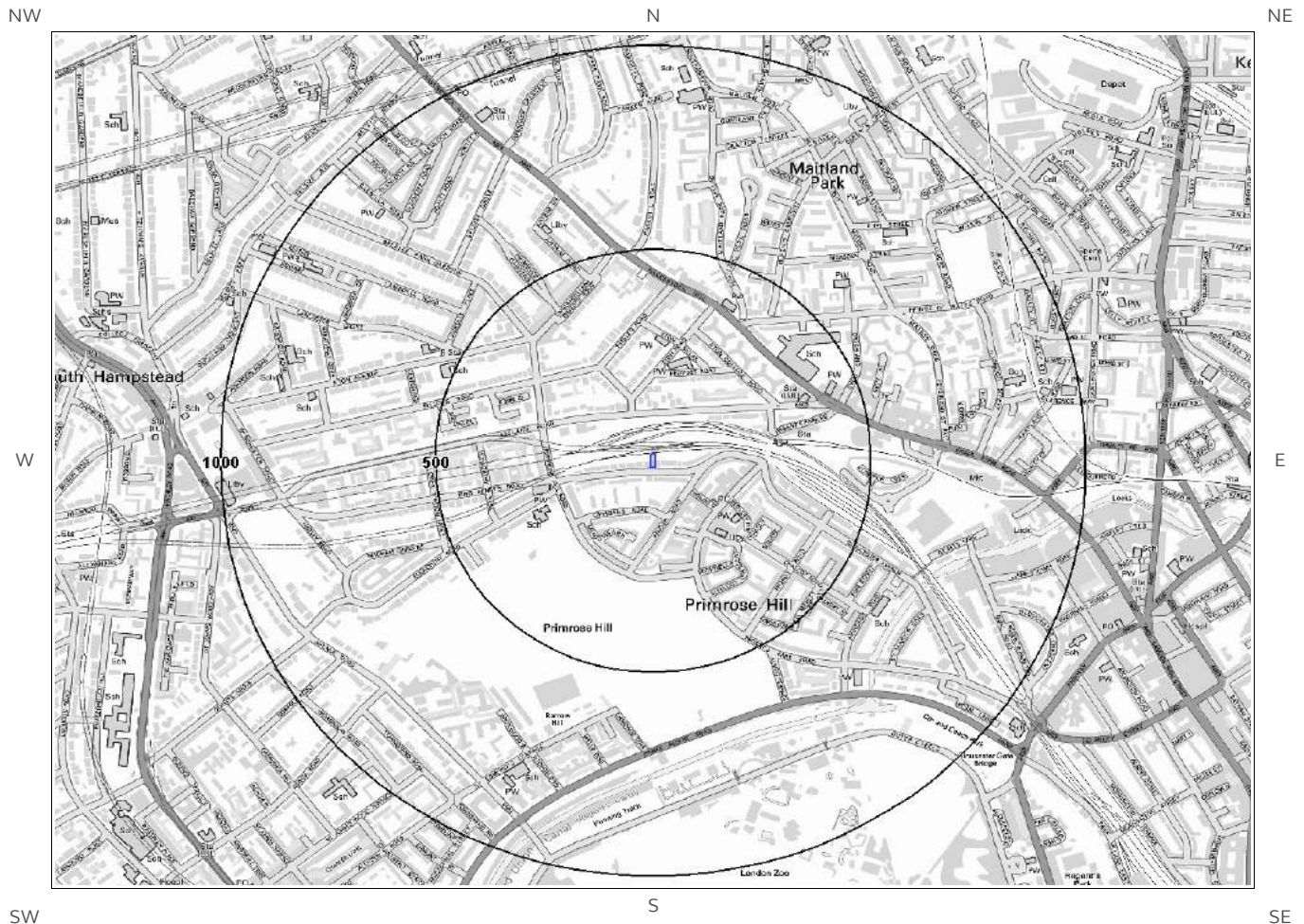
Section 2:Ground Workings	On-site	0-50m	51-250	251-500	501-1000
2.1 Historical Surface Ground Working Features from Small Scale Mapping	0	0	2	Not Searched	Not Searched
2.2 Historical Underground Workings from Small Scale Mapping	0	4	11	0	19
2.3 Current Ground Workings	0	0	0	0	0

Section 3: Mining, Extraction & Natural Cavities	On-site	0-50m	51-250	251-500	501-1000
3.1 Historical Mining	0	0	2	0	7
3.2 Coal Mining	0	0	0	0	0
3.3 Johnson Poole and Bloomer Mining Area	0	0	0	0	0
3.4 Non-Coal Mining	0	0	0	0	0
3.5 Non-Coal Mining Cavities	0	0	0	0	0
3.6 Natural Cavities	0	0	0	0	0
3.7 Brine Extraction	0	0	0	0	0
3.8 Gypsum Extraction	0	0	0	0	0
3.9 Tin Mining	0	0	0	0	0
3.10 Clay Mining	0	0	0	0	0
Section 4: Natural Ground Subsidence	On-site				
4.1 Shrink Swell Clay	Moderate				
4.2 Landslides	Low				
4.3 Ground Dissolution of Soluble Rocks	Negligible				
4.4 Compressible Deposits	Negligible				
4.5 Collapsible Deposits	Very Low				
4.6 Running Sand	Negligible				
Section 5: Borehole Records	On-site	0-50m	51-250		
5 BGS Recorded Boreholes	0	0	2		
Section 6: Estimated Background Soil Chemistry	On-site	0-50m	51-250		
6 Records of Background Soil Chemistry	1	0	4		
Section 7: Railways and Tunnels	On-site	0-50m	51-250	251-500	
7.1 Tunnels	0	2	6	Not Searched	
7.2 Historical Railway and Tunnel Features	9	22	61	Not Searched	
7.3 Historical Railways	0	1	3	Not Searched	
7.4 Active Railways	0	12	24	Not Searched	

Section 7:Railways and Tunnels	On-site	0-50m	51-250	251-500
7.5 Railway Projects	0	1	0	0

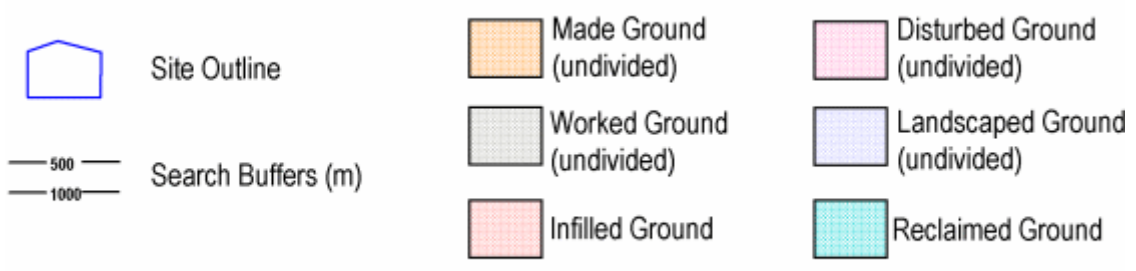
1 Geology

1.1 Artificial Ground Map



Artificial Ground Legend

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1 Geology

1.1 Artificial Ground

1.1.1 Artificial/ Made Ground

The following geological information represented on the mapping is derived from 1:50,000 scale BGS Geological mapping, Sheet No:256

Are there any records of Artificial/Made Ground within 500m of the study site boundary? No

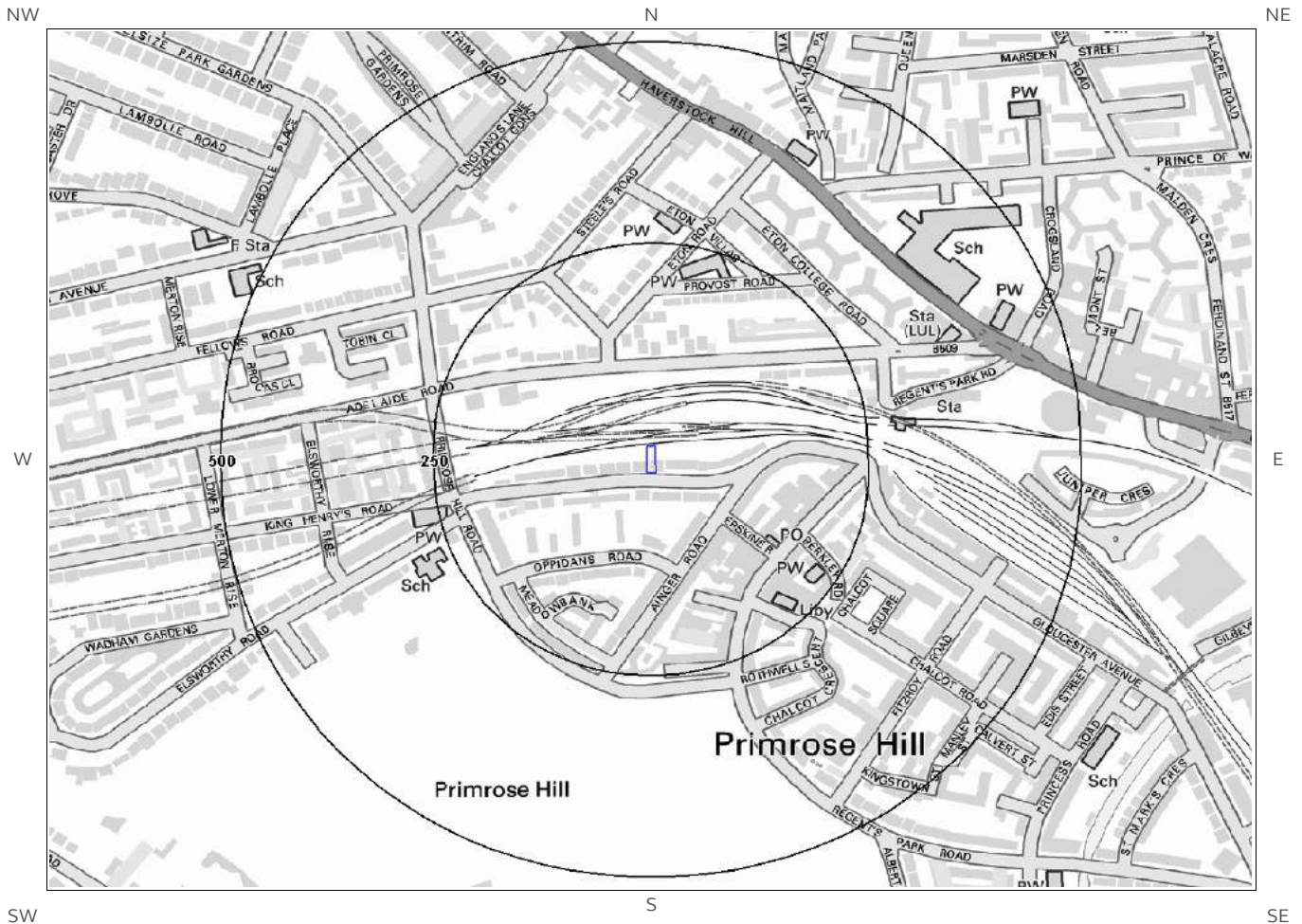
Database searched and no data found.

1.1.2 Permeability of Artificial Ground

Are there any records relating to permeability of artificial ground within the study site boundary? No

Database searched and no data found.

1.2 Superficial Deposits and Landslips Map

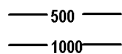


Superficial Deposits and Landslips Legend

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Site Outline



Search Buffers (m)

1.2 Superficial Deposits and Landslips

1.2.1 Superficial Deposits/ Drift Geology

Are there any records of Superficial Deposits/ Drift Geology within 500m of the study site boundary? No

Database searched and no data found.

1.2.2 Permeability of Superficial Ground

Are there any records relating to permeability of superficial ground within the study site boundary? No

Database searched and no data found.

1.2.3 Landslip

Are there any records of Landslip within 500m of the study site boundary? No

Database searched and no data found.

This Geology shows the main components as discrete layers, these are: Artificial / Made Ground, Superficial / Drift Geology and Landslips. These are all displayed with the BGS Lexicon code for the rock unit and BGS sheet number. Not all of the main geological components have nationwide coverage.

1.2.4 Landslip Permeability

Are there any records relating to permeability of landslips within the study site** boundary? No

Database searched and no data found.


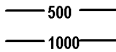
* This includes an automatically generated 50m buffer zone around the site

1.3 Bedrock and Faults Map



Bedrock and Faults Legend

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-  Site Outline
-  Search Buffers (m)