



Groundsure

LOCATION INTELLIGENCE

Ove Arup & Partners International Ltd
13, FITZROY STREET,
LONDON, W1T 4BQ

Groundsure Reference: GS-2723730

Your Reference: 247776

Report Date 5 Feb 2016

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Groundsure Enviroinsight

Address: BARNES HOSPITAL, SOUTH WORPLE WAY, LONDON, SW14 8SU

Dear Sir/ Madam,

Thank you for placing your order with Groundsure. Please find enclosed the **Groundsure Enviroinsight** 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 Envirosight

Address: BARNES HOSPITAL, SOUTH WORPLE WAY, LONDON, SW14 8SU
Date: 5 Feb 2016
Reference: GS-2723730
Client: Ove Arup & Partners International Ltd

NW

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NE



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SW

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SE

Aerial Photograph Capture date: 20-Apr-2013
Grid Reference: 521182,175673
Site Size: 1.47ha

Report Reference: GS-2723730
Client Reference: 247776

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	13
1.3 Additional Information – Historical Energy Features Database	14
1.4 Additional Information – Historical Petrol and Fuel Site Database	16
1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database	16
1.6 Potentially Infilled Land	17
2. Environmental Permits, Incidents and Registers Map	18
2. Environmental Permits, Incidents and Registers	19
2.1 Industrial Sites Holding Licences and/or Authorisations	19
2.1.1 Records of historic IPC Authorisations within 500m of the study site	19
2.1.2 Records of Part A(1) and IPPC Authorised Activities within 500m of the study site	19
2.1.3 Records of Red List Discharge Consents (potentially harmful discharges to controlled waters) within 500m of the study site	19
2.1.4 Records of List 1 Dangerous Substances Inventory Sites within 500m of the study site	19
2.1.5 Records of List 2 Dangerous Substance Inventory Sites within 500m of the study site	19
2.1.6 Records of Part A(2) and Part B Activities and Enforcements within 500m of the study site	19
2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations	20
2.1.8 Records of Licensed Discharge Consents within 500m of the study site	20
2.1.9 Records of Water Industry Referrals (potentially harmful discharges to the public sewer) within 500m of the study site	22
2.1.10 Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site	22
2.2 Dangerous or Hazardous Sites	22
2.3 Environment Agency Recorded Pollution Incidents	22
2.3.1 Records of National Incidents Recording System, List 2 within 500m of the study site	22
2.3.2 Records of National Incidents Recording System, List 1 within 500m of the study site	22
2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990	23
3. Landfill and Other Waste Sites Map	24
3. Landfill and Other Waste Sites	25
3.1 Landfill Sites	25
3.1.1 Records from Environment Agency landfill data within 1000m of the study site	25
3.1.2 Records of Environment Agency historic landfill sites within 1500m of the study site	25
3.1.3 Records of BGS/DoE non-operational landfill sites within 1500m of the study site	26
3.1.4 Records of Landfills from Local Authority and Historical Mapping Records within 1500m of the study site	26
3.2 Other Waste Sites	26
3.2.1 Records of waste treatment, transfer or disposal sites within 500m of the study site	26
3.2.2 Records of Environment Agency licensed waste sites within 1500m of the study site	27
4. Current Land Use Map	29
4. Current Land Uses	30
4.1 Current Industrial Data	30
4.2 Petrol and Fuel Sites	31
4.3 National Grid High Voltage Underground Electricity Transmission Cables	31
4.4 National Grid High Pressure Gas Transmission Pipelines	32
5. Geology	33
5.1 Artificial Ground and Made Ground	33

5.2 Superficial Ground and Drift Geology	33
5.3 Bedrock and Solid Geology	33
6 Hydrogeology and Hydrology	34
6a. Aquifer Within Superficial Geology	34
6b. Aquifer Within Bedrock Geology and Abstraction Licenses	35
6c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licenses	36
6d. Hydrogeology – Source Protection Zones within confined aquifer	37
6e. Hydrology – Detailed River Network and River Quality	38
6.Hydrogeology and Hydrology	39
6.1 Aquifer within Superficial Deposits.....	39
6.2 Aquifer within Bedrock Deposits.....	39
6.3 Groundwater Abstraction Licences.....	40
6.4 Surface Water Abstraction Licences.....	40
6.5 Potable Water Abstraction Licences.....	40
6.6 Source Protection Zones.....	40
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:.....	41
6.9.2 Chemical Quality:.....	42
6.10 Detailed River Network.....	42
6.11 Surface Water Features.....	43
7a. Environment Agency Flood Map for Planning (from rivers and the sea)	44
7b. Environment Agency Risk of Flooding from Rivers and the Sea (RoFRaS) Map	45
7 Flooding	46
7.1 River and Coastal Zone 2 Flooding.....	46
7.2 River and Coastal Zone 3 Flooding.....	46
7.3 Risk of Flooding from Rivers and the Sea (RoFRaS) Flood Rating.....	47
7.4 Flood Defences.....	47
7.5 Areas benefiting from Flood Defences.....	47
7.6 Areas benefiting from Flood Storage.....	47
7.7 Groundwater Flooding Susceptibility Areas.....	47
7.7.1 Are there any British Geological Survey groundwater flooding susceptibility areas within 50m of the boundary of the study site? Yes.....	47
7.7.2 What is the highest susceptibility to groundwater flooding in the search area based on the underlying geological conditions?.....	48
7.8 Groundwater Flooding Confidence Areas.....	48
8. Designated Environmentally Sensitive Sites Map	49
8. Designated Environmentally Sensitive Sites	50
8.1 Records of Sites of Special Scientific Interest (SSSI) within 2000m of the study site:.....	50
8.2 Records of National Nature Reserves (NNR) within 2000m of the study site:.....	50
8.3 Records of Special Areas of Conservation (SAC) within 2000m of the study site:.....	51
8.4 Records of Special Protection Areas (SPA) within 2000m of the study site:.....	51
8.5 Records of Ramsar sites within 2000m of the study site:.....	51
8.6 Records of Ancient Woodland within 2000m of the study site:	51
8.7 Records of Local Nature Reserves (LNR) within 2000m of the study site:.....	51
8.8 Records of World Heritage Sites within 2000m of the study site:.....	52
8.9 Records of Environmentally Sensitive Areas within 2000m of the study site:	52
8.10 Records of Areas of Outstanding Natural Beauty (AONB) within 2000m of the study site:	52
8.11 Records of National Parks (NP) within 2000m of the study site:	52
8.12 Records of Nitrate Sensitive Areas within 2000m of the study site:.....	52
8.13 Records of Nitrate Vulnerable Zones within 2000m of the study site:.....	53

8.14 Records of Green Belt land within 2000m of the study site:.....	53
9. Natural Hazards Findings	54
9.1 Detailed BGS GeoSure Data.....	54
9.1.1 Shrink Swell.....	54
9.1.2 Landslides.....	54
9.1.3 Soluble Rocks.....	54
9.1.4 Compressible Ground.....	55
9.1.5 Collapsible Rocks.....	55
9.1.6 Running Sand.....	55
9.2 Radon.....	55
9.2.1 Radon Affected Areas.....	55
9.2.2 Radon Protection.....	56
10. Mining	57
10.1 Coal Mining.....	57
10.2 Non-Coal Mining.....	57
10.3 Brine Affected Areas	57
Contact Details	58
Standard Terms and Conditions	60

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	18	13	7	32
1.2 Additional Information – Historical Tank Database	0	0	1	3
1.3 Additional Information – Historical Energy Features Database	4	0	10	60
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	5	2	15	18
1.6 Potentially Infilled Land	3	13	1	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	1	2
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	6	4
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	1	0	5
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	0	7

Section 4: Current Land Use	On-site	0-50m	51-250	251-500
4.1 Current Industrial Sites Data	1	2	19	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	
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?	Yes
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?	Yes					
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	2	0
6.4 Surface Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	0
6.5 Potable Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	0
6.6 Source Protection Zones (within 500m of the study site)	0	0	0	0	Not searched	Not searched
6.7 Source Protection Zones within Confined Aquifer	0	0	0	0	Not searched	Not searched
6.8 Groundwater Vulnerability and Soil Leaching Potential (within 500m of the study site)	1	0	0	2	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	No
6.10 Detailed River Network entries within 500m of the site	0	0	5	9	Not searched	Not searched
6.11 Surface water features within 250m of the study site	No	No	Yes	Not searched	Not searched	Not searched

Section 7: Flooding

7.1 Are there any Environment Agency Zone 2 floodplains within 250m of the study site?	Yes
7.2 Are there any Environment Agency Zone 3 floodplains within 250m of the study site	Yes
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?	Yes
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?	Potential at Surface
7.8 What is the BGS confidence rating for the Groundwater Flooding susceptibility areas?	Moderate

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	5
8.2 Records of National Nature Reserves (NNR)	0	0	0	0	0	2
8.3 Records of Special Areas of Conservation (SAC)	0	0	0	0	0	1
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	1	6	3
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	1	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?	Very Low
9.1.1 What is the maximum Shrink-Swell hazard rating identified on the study site?	Negligible
9.1.2 What is the maximum Landslides hazard rating identified on the study site?	Very Low
9.1.3 What is the maximum Soluble Rocks hazard rating identified on the study site?	Negligible
9.1.4 What is the maximum Compressible Ground hazard rating identified on the study site?	Negligible
9.1.5 What is the maximum Collapsible Rocks hazard rating identified on the study site?	Very Low
9.1.6 What is the maximum Running Sand hazard rating identified on the study site?	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 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