

APPENDIX A
Groundsure Reports



Excal Ltd	GroundSure Reference:	HMD-142-1562457
Capel Hendre, Capel Hendre Ind Est, Ammanford, SA18 3SJ	Your Reference:	234-02-01
	Report Date	15 Jul 2014
	Report Delivery Method:	Email - pdf

GroundSure EnviroInsight

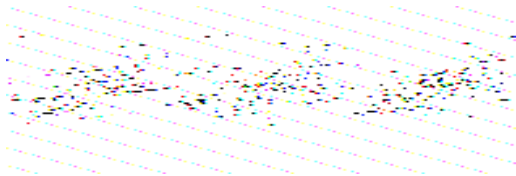
Address: ASSOCIATED BRITISH PORTS,DOCKS,BARRY, CF62 5QS

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 Envirolnsight

Address: ASSOCIATED BRITISH PORTS,DOCKS,BARRY, CF62 5QS
Date: 15 Jul 2014
Reference: HMD-142-1562457
Client: Excal Ltd

NW

N

NE

W

E



SW

S

SE

Aerial Photograph Capture date: 13-Sep-2009
Grid Reference: 312998,167344
Site Size: 31.86ha

Contents Page

Contents Page	3
Overview of Findings.....	5
Using this report.....	8
1. Environmental Permits, Incidents and Registers Map.....	9
1. Environmental Permits, Incidents and Registers.....	10
1.1 Industrial Sites Holding Licences and/or Authorisations.....	10
1.1.1 Records of historic IPC Authorisations within 500m of the study site:.....	10
1.1.2 Records of Part A(1) and IPPC Authorised Activities within 500m of the study site:.....	10
1.1.3 Records of Water Industry Referrals (potentially harmful discharges to the public sewer) within 500m of the study site:.....	11
1.1.4 Records of Red List Discharge Consents (potentially harmful discharges to controlled waters) within 500m of the study site:.....	11
1.1.5 Records of List 1 Dangerous Substances Inventory Sites within 500m of the study site:.....	11
1.1.6 Records of List 2 Dangerous Substance Inventory Sites within 500m of the study site:.....	11
1.1.7 Records of Part A(2) and Part B Activities and Enforcements within 500m of the study site:	12
1.1.8 Records of Category 3 or 4 Radioactive Substances Authorisations:.....	12
1.1.9 Records of Licensed Discharge Consents within 500m of the study site:.....	13
1.1.10 Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site:.....	18
1.2 Dangerous or Hazardous Sites.....	19
1.3 Environment Agency Recorded Pollution Incidents.....	19
1.3.1 Records of National Incidents Recording System, List 2 within 500m of the study site:.....	19
1.3.2 Records of National Incidents Recording System, List 1 within 500m of the study site:.....	21
1.4 Sites Determined as Contaminated Land under Part 2A EPA 1990.....	21
2. Landfill and Other Waste Sites Map.....	22
2. Landfill and Other Waste Sites.....	23
2.1 Landfill Sites.....	23
2.1.1 Records from Environment Agency landfill data within 1000m of the study site:	23
2.1.2 Records of Environment Agency historic landfill sites within 1500m of the study site:	23
2.1.3 Records of BGS/DoE non-operational landfill sites within 1500m of the study site:.....	25
2.1.4 Records of Local Authority landfill sites within 1500m of the study site:.....	25
2.2 Other Waste Sites.....	26
2.2.1 Records of waste treatment, transfer or disposal sites within 500m of the study site:	26
2.2.2 Records of Environment Agency licensed waste sites within 1500m of the study site:	27
3. Current Land Use Map.....	32
3. Current Land Uses.....	33
3.1 Current Industrial Data.....	33
3.2 Petrol and Fuel Sites.....	36
3.3 Underground High Pressure Oil and Gas Pipelines.....	36
4. Geology.....	37
4.1 Artificial Ground and Made Ground.....	37
4.2 Superficial Ground and Drift Geology	37
4.3 Bedrock and Solid Geology	37
5. Hydrogeology and Hydrology.....	38
5a. Aquifer Within Superficial Geology.....	38
5b. Aquifer Within Bedrock Geology and Abstraction Licenses.....	39
5c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licenses.....	40
5d. Hydrology – Detailed River Network and River Quality.....	41
5. Hydrogeology and Hydrology.....	42
5.1 Aquifer within Superficial Deposits.....	42
5.2 Aquifer within Bedrock Deposits.....	43
5.3 Groundwater Abstraction Licences.....	43
5.4 Surface Water Abstraction Licences.....	44

5.5 Potable Water Abstraction Licences.....	45
5.6 Source Protection Zones.....	45
5.7 Groundwater Vulnerability and Soil Leaching Potential.....	45
5.8 River Quality.....	46
5.8.1 Biological Quality.....	46
5.8.2 Chemical Quality.....	46
5.9 Detailed River Network.....	47
5.10 Surface Water Features	47
6. Environment Agency Flood Map for planning (from rivers and the sea).....	48
6. Flooding.....	49
6.1 Zone 2 Flooding.....	49
6.2 Zone 3 Flooding.....	56
6.3 Flood Defences.....	61
6.4 Areas benefiting from Flood Defences.....	61
6.5 Areas benefiting from Flood Storage.....	61
6.6 Groundwater Flooding Susceptibility Areas.....	61
6.6.1 Are there any British Geological Survey groundwater flooding susceptibility areas within 50m of the boundary of the study site?.....	61
6.6.2 What is the highest susceptibility to groundwater flooding in the search area based on the underlying geological conditions?.....	61
6.7 Groundwater Flooding Confidence Areas.....	62
7. Designated Environmentally Sensitive Sites Map.....	63
7. Designated Environmentally Sensitive Sites.....	64
7.1 Records of Sites of Special Scientific Interest (SSSI) within 2000m of the study site:.....	64
7.2 Records of National Nature Reserves (NNR) within 2000m of the study site:.....	64
7.3 Records of Special Areas of Conservation (SAC) within 2000m of the study site:.....	64
7.4 Records of Special Protection Areas (SPA) within 2000m of the study site:.....	64
7.5 Records of Ramsar sites within 2000m of the study site:.....	64
7.6 Records of Ancient Woodland within 2000m of the study site:	65
7.7 Records of Local Nature Reserves (LNR) within 2000m of the study site:.....	65
7.8 Records of World Heritage Sites within 2000m of the study site:.....	65
7.9 Records of Environmentally Sensitive Areas within 2000m of the study site:	65
7.10 Records of Areas of Outstanding Natural Beauty (AONB) within 2000m of the study site:	65
7.11 Records of National Parks (NP) within 2000m of the study site:	65
7.12 Records of Nitrate Sensitive Areas within 2000m of the study site:.....	66
7.13 Records of Nitrate Vulnerable Zones within 2000m of the study site:.....	66
8. Natural Hazards	
Findings.....	67
8.1 Detailed BGS GeoSure Data.....	67
8.1.1 Shrink Swell.....	67
8.1.2 Landslides.....	67
8.1.3 Soluble Rocks.....	68
8.1.4 Compressible Ground.....	68
8.1.5 Collapsible Rocks.....	68
8.1.6 Running Sand.....	69
9. Mining.....	70
9.1 Coal Mining.....	70
9.2 Shallow Mining.....	70
9.3 Brine Affected Areas	70
Contact Details.....	71
Standard Terms and Conditions.....	72

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: Environmental Permits, Incidents and Registers		On-site	0-50m	51-250	251-500		
1.1 Industrial Sites Holding Environmental Permits and/or Authorisations							
1.1.1	Records of historic IPC Authorisations	0	0	0	0		
1.1.2	Records of Part A(1) and IPPC Authorised Activities	0	4	2	0		
1.1.3	Records of Water Industry Referrals (potentially harmful discharges to the public sewer)	0	0	0	0		
1.1.4	Records of Red List Discharge Consents (potentially harmful discharges to controlled waters)	0	0	0	0		
1.1.5	Records of List 1 Dangerous Substances Inventory sites	0	0	0	0		
1.1.6	Records of List 2 Dangerous Substances Inventory sites	0	2	0	0		
1.1.7	Records of Part A(2) and Part B Activities and Enforcements	6	0	0	0		
1.1.8	Records of Category 3 or 4 Radioactive Substances Authorisations	0	0	0	0		
1.1.9	Records of Licensed Discharge Consents	1	7	19	37		
1.1.10	Records of Planning Hazardous Substance Consents and Enforcements	0	0	0	0		
1.2	Records of COMAH and NIHHS sites	0	1	0	2		
1.3 Environment Agency Recorded Pollution Incidents							
1.3.1	National Incidents Recording System, List 2	1	5	2	7		
1.3.2	National Incidents Recording System, List 1	0	2	0	0		
1.4	Sites Determined as Contaminated Land under Part 2A EPA 1990	0	0	0	0		
Section 2: Landfill and Other Waste Sites		On-site	0-50m	51-250	251-500	501-1000	1000-5000
2.1 Landfill Sites							
2.1.1	Environment Agency Registered Landfill Sites	0	0	0	1	0	Not searched
2.1.2	Environment Agency Historic Landfill Sites	5	0	1	1	3	2
2.1.3	BGS/DoE Landfill Site Survey	0	0	0	0	0	0
2.1.4	GroundSure Local Authority Landfill Sites Data	6	0	0	1	3	0
2.2 Landfill and Other Waste Sites Findings							
2.2.1	Operational and Non-Operational Waste Treatment, Transfer and Disposal Sites	3	2	3	0	Not searched	Not searched
2.2.2	Environment Agency Licensed Waste Sites	3	1	0	6	3	9

Section 3: Current Land Use	On-site	0-50m	51-250	251-500
3.1 Current Industrial Sites Data	15	15	38	Not searched
3.2 Records of Petrol and Fuel Sites	0	0	0	0
3.3 Underground High Pressure Oil and Gas Pipelines	0	0	0	0

Section 4: Geology

4.1 Are there any records of Artificial Ground and Made Ground present beneath the study site?	Yes
4.2 Are there any records of Superficial Ground and Drift Geology present beneath the study site?	Yes
4.3 For records of Bedrock and Solid Geology beneath the study site see the detailed findings section.	

Section 5: Hydrogeology and Hydrology

	0-500m
5.1 Are there any records of Strata Classification in the Superficial Geology within 500m of the study site?	Yes
5.2 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
5.3 Groundwater Abstraction Licences (within 2000m of the study site)	0	0	0	0	2	0
5.4 Surface Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	4
5.5 Potable Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	0
5.6 Source Protection Zones (within 500m of the study site)	0	0	0	0	Not searched	Not searched
5.7 Groundwater Vulnerability and Soil Leaching Potential (within 500m of the study site)	2	1	1	1	Not searched	Not searched

	On-site	0-50m	51-250	251-500	501-1000	1000-1500
5.8 Is there any Environment Agency information on river quality within 1500m of the study site?	No	No	No	No	No	Yes
5.9 Detailed River Network entries within 500m of the site	1	1	0	3	Not searched	Not searched
5.10 Surface water features within 250m of the study site	Yes	Yes	Yes	Not searched	Not searched	Not searched

Section 6: Flooding

6.1 Are there any Environment Agency Zone 2 floodplains within 250m of the study site?	Yes
6.2 Are there any Environment Agency Zone 3 floodplains within 250m of the study site?	Yes
6.3 Are there any Flood Defences within 250m of the study site?	No
6.4 Are there any areas benefiting from Flood Defences within 250m of the study site?	No
6.5 Are there any areas used for Flood Storage within 250m of the study site?	No
6.6 What is the maximum BGS Groundwater Flooding susceptibility within 50m of the study site?	Potential at Surface
6.7 What is the BGS confidence rating for the Groundwater Flooding susceptibility areas?	High

Section 7: Designated Environmentally Sensitive Sites

	On-site	0-50m	51-250	251-500	501-1000	1000-2000
7.1 Records of Sites of Special Scientific Interest (SSSI)	0	1	0	0	1	0
7.2 Records of National Nature Reserves (NNR)	0	0	0	0	0	0
7.3 Records of Special Areas of Conservation (SAC)	0	0	0	0	0	0
7.4 Records of Special Protection Areas (SPA)	0	0	0	0	0	0
7.5 Records of Ramsar sites	0	0	0	0	0	0
7.6 Records of Ancient Woodlands	0	0	0	1	0	0
7.7 Records of Local Nature Reserves (LNR)	0	0	0	0	0	0
7.8 Records of World Heritage Sites	0	0	0	0	0	0
7.9 Records of Environmentally Sensitive Areas	0	0	0	0	0	0
7.10 Records of Areas of Outstanding Natural Beauty (AONB)	0	0	0	0	0	0
7.11 Records of National Parks	0	0	0	0	0	0
7.12 Records of Nitrate Sensitive Areas	0	0	0	0	0	0
7.13 Records of Nitrate Vulnerable Zones	0	0	0	0	0	0

Section 8: Natural Hazards

8.1 What is the maximum risk of natural ground subsidence?

Moderate

Section 9: Mining

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

No

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

Negligible

9.3 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. 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.

2. Landfills and Other Waste Sites

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

3. Current Land Uses

Provides information on 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 underground oil and gas pipelines.

4. Geology

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

5. 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.

6. Flooding

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

7. 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.

8. 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.

9. Mining

Provides information on areas of coal and shallow mining.

10. Contacts

This section of the report provides contact points for statutory bodies and data providers that may be able to provide further information on issues raised within this report. Alternatively, GroundSure provide a free Technical Helpline (08444 159000) for further information and guidance.

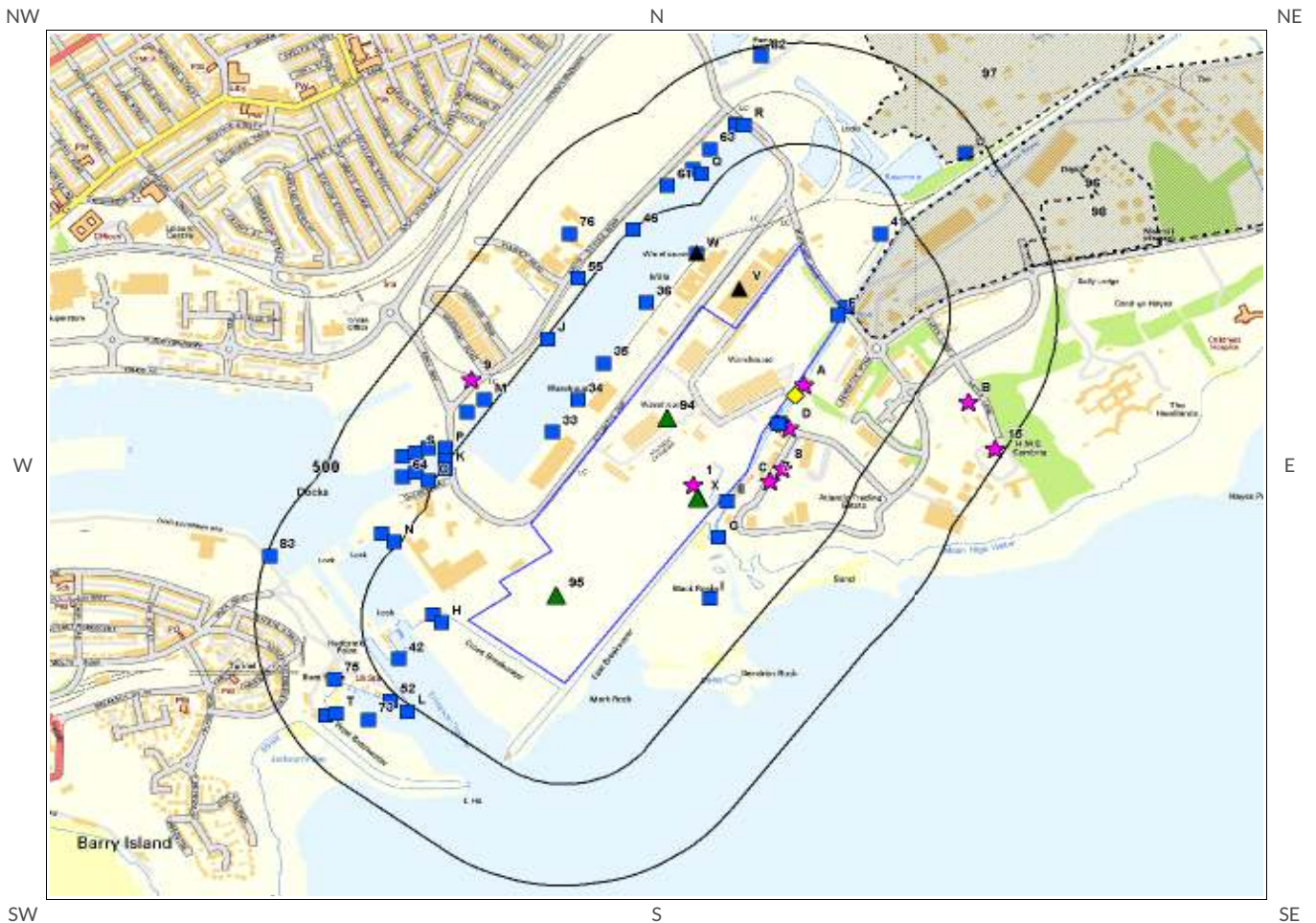
Note: Maps

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. Environmental Permits, Incidents and Registers Map



Environmental Permits,
Incidents and Registers Legend



© Crown copyright and database rights 2013.
Ordnance Survey license 100035207.

- | | | | | | |
|---|-------------------------------|---|--|---|---|
|  | 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 / NIIHS Sites |
|  | Search Buffers (m) |  | Licensed Discharge Consents |  | Sites Determined as Contaminated Land |
| | |  | Red List Discharge Consents |  | Hazardous Substance Consents and Enforcements |



1. Environmental Permits, Incidents and Registers

1.1 Industrial Sites Holding Licences and/or Authorisations

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

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

0

Database searched and no data found.

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

6

The following Part A(1) and IPPC Authorised Activities are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance	Direction	NGR		Details
99V	49.0	NW	313170 167760	Operator: Alembic Manufacturing Ltd Installation Name: Barry Aluminium Chlorohydrate Plant Process: ASSOCIATED PROCESS	Permit Number: LP3638ZP Original Permit Number: MP3431SP EPR Reference: - Issue Date: 28/2/2013 Effective Date: 28/2/2013 Last date noted as effective: 2014-04-01 Status: Effective
100V	49.0	NW	313170 167760	Operator: Alembic Manufacturing Ltd Installation Name: Barry Aluminium Chlorohydrate Plant Process: INORGANIC CHEMICALS; GASES EG AMMONIA,	Permit Number: LP3638ZP Original Permit Number: MP3431SP EPR Reference: - Issue Date: 28/2/2013 Effective Date: 28/2/2013 Last date noted as effective: 2014-04-01 Status: Effective
101V	49.0	NW	313170 167760	Operator: Alembic Manufacturing Ltd Installation Name: Barry Aluminium Chlorohydrate Plant Process: INORGANIC CHEMICALS; GASES EG AMMONIA,	Permit Number: MP3431SP Original Permit Number: MP3431SP EPR Reference: - Issue Date: 7/11/2005 Effective Date: 7/11/2005 Last date noted as effective: 2014-04-01 Status: Superseded
102V	49.0	NW	313170 167760	Operator: Alembic Manufacturing Ltd Installation Name: Barry Aluminium Chlorohydrate Plant Process: ASSOCIATED PROCESS	Permit Number: MP3431SP Original Permit Number: MP3431SP EPR Reference: - Issue Date: 7/11/2005 Effective Date: 7/11/2005 Last date noted as effective: 2014-04-01 Status: Superseded

ID	Distance	Direction	NGR	Details	
103W	128.0	N	313070 167850	Operator: Premier Foods Group Ltd Installation Name: Barry Flour Mill Process: ANIMAL VEGETABLE AND FOOD; TREATING ETC VEGETABLE RAW MATERIALS FOR FOOD >300T/D	Permit Number: KP3735XW Original Permit Number: KP3735XW EPR Reference: - Issue Date: 25/2/2008 Effective Date: 25/2/2008 Last date noted as effective: 2014-04-01 Status: Transfer Effective
104W	128.0	N	313070 167850	Operator: Rank Hovis Limited Installation Name: Barry Flour Mill Process: ANIMAL VEGETABLE AND FOOD; TREATING ETC VEGETABLE RAW MATERIALS FOR FOOD >300T/D	Permit Number: BP3376IE Original Permit Number: BP3376IE EPR Reference: - Issue Date: 17/8/2005 Effective Date: 17/8/2005 Last date noted as effective: 2014-04-01 Status: Superseded

1.1.3 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.

1.1.4 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.

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

0

Database searched and no data found.

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

2

The following List 2 Dangerous Substance Inventory Site records are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance	Direction	NGR	Details	
18A	13.0	SE	313300 167500	Name: Small Batch Polishing, 2 Arcade Workshops, Atlantic Trading Status: Not Active Receiving Water: -	Authorised Substances: Chromium, Copper, Lead, Nickel, Zinc

ID	Distance	Direction	NGR	Details	
19D	19.0	SE	313260 167430	Name: Atlantic Tankclean Barry Limited, Hayes Road, Barry, Status: Not Active Receiving Water: -	Authorised Substances: Chromium, Copper, Lead, Nickel, Zinc, Total metals (non-ferrous)

1.1.7 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	Direction	NGR	Details	
90X	0.0	On Site	312977 167320	Address: Evans Reid, Coal Yard, Off Atlantic Way, No. 2 Dock, Barry, CF63 3RA Process: Coal and Coke Handling Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
91X	0.0	On Site	312977 167320	Address: Hargreaves c/o Maxibrite Ltd, Coal Yard, Off Atlantic Way, No.2 Dock, Barry, South Wales, CF63 3RA Process: Coal and Coke Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
92X	0.0	On Site	312977 167320	Address: Associated British Ports, No. 2 Dock, Barry, South Glamorgan, CF63 4JF Process: Coal, Cement Batching Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
93X	0.0	On Site	312978 167320	Address: Apex Coal Ltd, Coal Yard, No. 2 Dock, Off Atlantic Way, Barry Docks, Barry, South Glamorgan, CF63 3RA Process: Coal Handling Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
94	0.0	On Site	312906 167519	Address: Hanson Building Material Europe Limited, Atlantic Trading Estate, Wimborne Road, Barry Docks, Barry Process: Cement Batching Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
95	0.0	On Site	312646 167081	Address: Associated British Ports, No. 2 Dock, Barry Docks, Barry, CF63 4J Process: Coal And Cement Loading Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified

1.1.8 Records of Category 3 or 4 Radioactive Substances Authorisations:

0

Database searched and no data found.

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

64

The following Licensed Discharge Consents records are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance	Direction	NGR	Details	
20 F	0.0	On Site	313400 167700	Address: Atlantic Trading Estate Barry, Atlantic Trading Estate, Barry, Vale Of Glamorgan, Wales Effluent Type: Trade Discharges - Unspecified Permit Number: AF4010801 Permit Version: 1	Receiving Water: River Cadoxton Status: Revoked (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 10/7/1974 Effective Date: 10/7/1974 Revocation Date: 9/7/2009
21 E	10.0	SE	313140 167240	Address: Bp Chemicals Ltd Sully, Bp Chemicals Ltd Sully Effluent Type: Unspecified Permit Number: AN0049101 Permit Version: 1	Receiving Water: Bristol Channel Status: Revoked - Unspecified Issue date: - Effective Date: - Revocation Date: 15/1/1990
22 E	10.0	SE	313140 167240	Address: Bp Chemicals Ltd Sully, Bp Chemicals Ltd Sully Effluent Type: Trade Discharges - Unspecified Permit Number: AN0049101 Permit Version: 2	Receiving Water: Bristol Channel Status: Revoked - Unspecified Issue date: 16/1/1990 Effective Date: 16/1/1990 Revocation Date: -
23 E	10.0	SE	313140 167240	Address: Bp Chemicals Ltd Sully, Bp Chemicals Ltd Sully Effluent Type: Trade Discharges - Unspecified Permit Number: AN0049101 Permit Version: 3	Receiving Water: Bristol Channel Status: Consent Expired - Time Limit Issue date: 16/1/1991 Effective Date: - Revocation Date: 10/1/1994
24 F	11.0	NE	313420 167720	Address: Barry Docks Cadaxton River Bridge W, Barry Docks Cadaxton River Bridg, Cadaxton River Bridge Wimbourne, Wimbourne Road ... Effluent Type: Unspecified Permit Number: AN0033240 Permit Version: 1	Receiving Water: Severn Estuary Status: Consent Expired - Time Limit Issue date: 10/9/1987 Effective Date: 10/9/1987 Revocation Date: 16/1/1995
25 D	19.0	SE	313260 167430	Address: Atlantic Trading Est Ps Barry , Atlantic Trading Est Ps Barry , Barry , Barry , Effluent Type: Sewage Discharges - Pumping Station - Water Company Permit Number: AN0243401 Permit Version: 2	Receiving Water: River Cadoxton Status: New Consent, By Application (wra 91, Section 88) Issue date: 13/6/1995 Effective Date: 1/4/1997 Revocation Date: 20/2/2008
26 D	19.0	SE	313260 167430	Address: Atlantic Trading Est Ps Barry , Atlantic Trading Est Ps Barry , Barry , Barry , Barry , Effluent Type: Unspecified Permit Number: AN0243401 Permit Version: 1	Receiving Water: River Cadoxton Status: Revoked - Unspecified Issue date: 14/6/1994 Effective Date: 1/7/1995 Revocation Date: 31/3/1997
27 D	20.0	SE	313264 167433	Address: Atlantic Trading Est Ps Barry , Atlantic Trading Est Ps Barry , Barry , Barry , Barry , Effluent Type: Sewage Discharges - Pumping Station - Water Company Permit Number: AN0243401 Permit Version: 3	Receiving Water: River Cadoxton Status: Varied By Application - (wra 91 Sched 10 - As Amended By Env Act 1995) Issue date: 21/2/2008 Effective Date: 21/2/2008 Revocation Date: -
28 G	55.0	SE	313120 167150	Address: Bendricks New Outfall, Bendricks New Outfall Effluent Type: Unspecified Permit Number: AN0037401 Permit Version: 1	Receiving Water: Bristol Channel Status: Revoked - Unspecified Issue date: - Effective Date: - Revocation Date: 12/1/1993
29 G	55.0	SE	313120 167150	Address: Bendricks New Outfall, Bendricks New Outfall Effluent Type: Sewerage System Discharge Permit Number: AN0037401 Permit Version: 3	Receiving Water: Bristol Channel Status: Consent Expired - Time Limit Issue date: 13/6/1995 Effective Date: 13/6/1995 Revocation Date: 1/4/1997

ID	Distance	Direction	NGR	Details	
30 G	55.0	SE	313120 167150	Address: Bendricks New Outfall, Bendricks New Outfall Effluent Type: Sewerage System Discharge Permit Number: AN0037401 Permit Version: 2	Receiving Water: Bristol Channel Status: Revoked - Unspecified Issue date: - Effective Date: 13/1/1993 Revocation Date: 12/6/1995
31 H	65.0	W	312470 166940	Address: Windward Terminal Port Of Barry Ba, Windward Terminal Port Of Barry, Port Of Barry Barry , Barry , Barry , Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: AN0274201 Permit Version: 1	Receiving Water: Bristol Channel Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 14/7/1997 Effective Date: 14/7/1997 Revocation Date: -
32 H	86.0	W	312450 166960	Address: Barry Docks, Barry Docks Effluent Type: Unspecified Permit Number: AN0033233 Permit Version: 1	Receiving Water: Severn Estuary Status: Consent Expired - Time Limit Issue date: 10/9/1987 Effective Date: 10/9/1987 Revocation Date: 23/9/1992
33	97.0	NW	312730 167410	Address: Barry Docks , Barry Docks , , Effluent Type: Unspecified Permit Number: AN0033201 Permit Version: 1	Receiving Water: Severn Estuary Status: Consent Expired - Time Limit Issue date: 10/9/1987 Effective Date: 10/9/1987 Revocation Date: 11/1/1993
34	97.0	NW	312790 167490	Address: Barry Docks, Barry Docks Effluent Type: Unspecified Permit Number: AN0033202 Permit Version: 1	Receiving Water: Severn Estuary Status: Consent Expired - Time Limit Issue date: 10/9/1987 Effective Date: 10/9/1987 Revocation Date: 11/1/1993
35	103.0	NW	312850 167580	Address: Barry Docks - No 4 Berth . . . , Barry Docks - No 4 Berth Effluent Type: Unspecified Permit Number: AN0033203 Permit Version: 1	Receiving Water: Severn Estuary Status: Consent Expired - Time Limit Issue date: 10/9/1987 Effective Date: 10/9/1987 Revocation Date: 16/1/1995
36	111.0	NW	312950 167730	Address: Barry Docks, Barry Docks Effluent Type: Unspecified Permit Number: AN0033204 Permit Version: 1	Receiving Water: Severn Estuary Status: Consent Expired - Time Limit Issue date: 10/9/1987 Effective Date: 10/9/1987 Revocation Date: 23/9/1992
37 W	128.0	N	313070 167850	Address: Rank Hovis Ltd Atlantic Mills Barry, Rank Hovis Limted, Atlantic Mills Atlantic Way, No2 Dock Barry, Valoe Of Glamorgan, CF63 3RA Effluent Type: Trade Discharges - Boiler Blowdown Effluent Permit Number: AN0324001 Permit Version: 1	Receiving Water: Groundwater Via Soakaway Status: Revoked (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 30/8/2002 Effective Date: 30/8/2002 Revocation Date: -
38I	134.0	SE	313100 167000	Address: Bendricks Old Outfall Barry East, Bendricks Old Outfall Barry East, Barry East Effluent Type: Unspecified Permit Number: AN0037501 Permit Version: 1	Receiving Water: Bristol Channel Status: Revoked - Unspecified Issue date: - Effective Date: - Revocation Date: 12/1/1993
39I	134.0	SE	313100 167000	Address: Bendricks Old Outfall Barry East, Bendricks Old Outfall Barry East, Barry East Effluent Type: Unspecified Permit Number: AN0037501 Permit Version: 3	Receiving Water: Bristol Channel Status: Consent Expired - Time Limit Issue date: 18/9/1995 Effective Date: 19/9/1995 Revocation Date: 1/4/1997
40I	134.0	SE	313100 167000	Address: Bendricks Old Outfall Barry East, Bendricks Old Outfall Barry East, Barry East Effluent Type: Unspecified Permit Number: AN0037501 Permit Version: 2	Receiving Water: Bristol Channel Status: Revoked - Unspecified Issue date: - Effective Date: 13/1/1993 Revocation Date: 18/9/1995
41	181.0	NE	313500 167900	Address: Barry Wimbourne Road Ici Rail Sidin, Barry Wimbourne Road Ici Rail Si, Wimbourne Road Ici Rail Sidings, Ici Rail Sidings Effluent Type: Unspecified Permit Number: AN0069001 Permit Version: 1	Receiving Water: Soakaway Status: Consent Expired - Time Limit Issue date: 23/5/1988 Effective Date: 23/5/1988 Revocation Date: 17/8/1992

ID	Distance	Direction	NGR	Details	
42	191.0	SW	312370 166850	Address: Barry Docks .., Barry Docks	Receiving Water: Severn Estuary Status: Consent Expired - Time Limit Issue date: 10/9/1987 Effective Date: 10/9/1987 Revocation Date: 9/10/1992
43 K	243.0	NW	312480 167320	Address: Barry Docks S.s. Junction Cut, Outf, Barry Docks S.s. Junction Cut, O, S.s. Junction Cut, Outfall 38 Qu, Cut, Outfall 38 Queens Way .., Queens Way .	Receiving Water: Severn Estuary Status: Consent Expired - Time Limit Issue date: 10/9/1987 Effective Date: 10/9/1987 Revocation Date: 16/1/1995
44J	243.0	NW	312720 167640	Address: Fisher Containers David Davies Road, Fisher Containers David Davies R, David Davies Road Barry Dock Bar, Barry Dock Barry , Barry ,	Receiving Water: Barry Docks Status: Lapsed Under Schedule 23 Environment Act 1995 Issue date: 10/7/1992 Effective Date: - Revocation Date: -
45J	243.0	NW	312720 167640	Address: Fisher Containers David Davies Road, Fisher Containers David Davies R, David Davies Road Barry Dock Bar, Barry Dock Barry , Barry ,	Receiving Water: Barry Docks Status: Revoked - Unspecified Issue date: 10/9/1987 Effective Date: 10/9/1987 Revocation Date: 9/10/1992
46	247.0	NW	312920 167910	Address: Barry Docks .., Barry Docks	Receiving Water: Severn Estuary Status: Consent Expired - Time Limit Issue date: 10/9/1987 Effective Date: 10/9/1987 Revocation Date: 9/10/1992
47 K	255.0	NW	312480 167340	Address: Barry Docks .., Barry Docks	Receiving Water: Severn Estuary Status: Consent Expired - Time Limit Issue date: 10/9/1987 Effective Date: 10/9/1987 Revocation Date: 9/10/1992
48 N	261.0	NW	312360 167140	Address: Barry Docks Windward Terminal Outfa, Barry Docks Windward Terminal Ou, Windward Terminal Outfall 34 ...	Receiving Water: Severn Estuary Status: Consent Expired - Time Limit Issue date: 10/9/1987 Effective Date: 10/9/1987 Revocation Date: 16/1/1995
49 O	264.0	NW	312440 167290	Address: Brt International Ltd, No3 Dock, Barry Docks, CF63 3RA	Receiving Water: Barry Docks Status: Lapsed Under Schedule 23 Environment Act 1995 Issue date: 9/7/1996 Effective Date: 10/7/1996 Revocation Date: 29/4/2007
50 L	268.0	SW	312390 166720	Address: Premises At Port Of Barry .., Premises At Port Of Barry	Receiving Water: Barry Outer Harbour Status: Consent Expired - Time Limit Issue date: 10/7/1992 Effective Date: 10/7/1992 Revocation Date: 11/8/1992
51 L	268.0	SW	312390 166720	Address: Premises At Port Of Barry .., Premises At Port Of Barry	Receiving Water: Barry Outer Harbour Status: Revoked - Unspecified Issue date: 10/9/1987 Effective Date: 10/9/1987 Revocation Date: 9/10/1992
52	272.0	SW	312350 166747	Address: Stp Serving Barry Pilots Lodge, Dock Road, Barry, Vale Of Glamorgan, CF62 5QS	Receiving Water: Barry Outer Harbour Status: New Issued Under Epr 2010 Issue date: 29/6/2011 Effective Date: 29/6/2011 Revocation Date: -

ID	Distance	Direction	NGR	Details	
53 P	273.0	NW	312480 167370	Address: Barry Docks North Side Of Junction, Barry Docks North Side Of Juncti, North Side Of Junction Cut Outfa, Cut Outfall 7... Effluent Type: Unspecified Permit Number: AN0033207 Permit Version: 1	Receiving Water: Severn Estuary Status: Consent Expired - Time Limit Issue date: 10/9/1987 Effective Date: 10/9/1987 Revocation Date: 9/10/1992
54 M	273.0	NW	312570 167490	Address: Barry Docks ..., Barry Docks Effluent Type: Unspecified Permit Number: AN0033242 Permit Version: 1	Receiving Water: Severn Estuary Status: Consent Expired - Time Limit Issue date: 10/9/1987 Effective Date: 10/9/1987 Revocation Date: 9/10/1992
55	276.0	NW	312790 167790	Address: Barry Docks Outlet 43 No 26 Hoist ., Barry Docks Outlet 43 No 26 Hois, Outlet 43 No 26 Hoist . ., No 26 Hoist ... Effluent Type: Unspecified Permit Number: AN0033243 Permit Version: 1	Receiving Water: Severn Estuary Status: Consent Expired - Time Limit Issue date: 10/9/1987 Effective Date: 10/9/1987 Revocation Date: 31/3/1995
56 M	287.0	NW	312530 167460	Address: Barry Docks ..., Barry Docks Effluent Type: Unspecified Permit Number: AN0033241 Permit Version: 1	Receiving Water: Severn Estuary Status: Consent Expired - Time Limit Issue date: 10/9/1987 Effective Date: 10/9/1987 Revocation Date: 9/10/1992
57 Q	292.0	NW	313080 168050	Address: Barry Docks ..., Barry Docks Effluent Type: Unspecified Permit Number: AN0033247 Permit Version: 1	Receiving Water: Severn Estuary Status: Consent Expired - Time Limit Issue date: 10/9/1987 Effective Date: 10/9/1987 Revocation Date: 9/10/1992
58 N	296.0	NW	312330 167160	Address: Barry Docks ..., Barry Docks Effluent Type: Unspecified Permit Number: AN0033235 Permit Version: 1	Receiving Water: Severn Estuary Status: Consent Expired - Time Limit Issue date: 10/9/1987 Effective Date: 10/9/1987 Revocation Date: 9/10/1992
59 O	299.0	NW	312410 167310	Address: Brt International Ltd, No3 Dock, Barry Docks, CF63 3RA Effluent Type: Unspecified Permit Number: AN0033237 Permit Version: 1	Receiving Water: Barry Docks Status: Revoked - Unspecified Issue date: 10/9/1987 Effective Date: 10/9/1987 Revocation Date: 9/7/1996
60 P	305.0	NW	312440 167370	Address: Barry Docks North Side Of Junction, Barry Docks North Side Of Juncti, North Side Of Junction Cut D, Da, Cut D, Davies Way ... Effluent Type: Unspecified Permit Number: AN0033208 Permit Version: 1	Receiving Water: Severn Estuary Status: Consent Expired - Time Limit Issue date: 10/9/1987 Effective Date: 10/9/1987 Revocation Date: 16/1/1995
61	308.0	N	313000 168020	Address: Barry Docks Outlet 45 No 29 Base , Barry Docks Outlet 45 No 29 Base, Outlet 45 No 29 Base , No 29 Base , , Effluent Type: Unspecified Permit Number: AN0033245 Permit Version: 1	Receiving Water: Severn Estuary Status: Consent Expired - Time Limit Issue date: 10/9/1987 Effective Date: 10/9/1987 Revocation Date: 9/10/1992
62 Q	314.0	NW	313060 168060	Address: Barry Docks ..., Barry Docks Effluent Type: Unspecified Permit Number: AN0033246 Permit Version: 1	Receiving Water: Severn Estuary Status: Consent Expired - Time Limit Issue date: 10/9/1987 Effective Date: 10/9/1987 Revocation Date: 9/10/1992
63	318.0	NW	313100 168110	Address: Barry Docks ..., Barry Docks Effluent Type: Unspecified Permit Number: AN0033248 Permit Version: 1	Receiving Water: Severn Estuary Status: Consent Expired - Time Limit Issue date: 10/9/1987 Effective Date: 10/9/1987 Revocation Date: 9/10/1992
64	323.0	W	312380 167300	Address: Barry Docks, Barry Docks Effluent Type: Unspecified Permit Number: AN0033236 Permit Version: 1	Receiving Water: Severn Estuary Status: Consent Expired - Time Limit Issue date: 10/9/1987 Effective Date: 10/9/1987 Revocation Date: 31/3/1995

ID	Distance	Direction	NGR	Details	
65 S	323.0	NW	312410 167360	Address: Barry Docks . . . , Barry Docks Effluent Type: Unspecified Permit Number: AN0033209 Permit Version: 1	Receiving Water: Severn Estuary Status: Consent Expired - Time Limit Issue date: 10/9/1987 Effective Date: 10/9/1987 Revocation Date: 9/10/1992
66 R	325.0	NW	313180 168170	Address: Barry Docks, Barry Docks Effluent Type: Unspecified Permit Number: AN0033205 Permit Version: 1	Receiving Water: Severn Estuary Status: Consent Expired - Time Limit Issue date: 10/9/1987 Effective Date: 10/9/1987 Revocation Date: 5/8/1992
67 R	334.0	NW	313160 168170	Address: Barry Docks Ps Cso Off Wimbourne Rd, Wimbourne Road, Barry Docks (no.2 Dock), Barry, Vale Of Glamorgan Effluent Type: Sewage Discharges - Pumping Station - Water Company Permit Number: AN0037801 Permit Version: 4	Receiving Water: The North West Corner Of Barry Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 26/4/2005 Effective Date: 31/3/2007 Revocation Date: 11/3/2008
68 R	334.0	NW	313160 168170	Address: Barry Docks Ps Cso Off Wimbourne Rd, Wimbourne Road, Barry Docks (no.2 Dock), Barry, Vale Of Glamorgan Effluent Type: Unspecified Permit Number: AN0033249 Permit Version: 1	Receiving Water: Severn Estuary Status: Consent Expired - Time Limit Issue date: 10/9/1987 Effective Date: 10/9/1987 Revocation Date: 9/10/1992
69 R	334.0	NW	313160 168170	Address: Barry Docks Ps Cso Off Wimbourne Rd, Wimbourne Road, Barry Docks (no.2 Dock), Barry, Vale Of Glamorgan Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: AN0037801 Permit Version: 3	Receiving Water: The North West Corner Of Barry Status: Varied By Application - (wra 91 Sched 10 - As Amended By Env Act 1995) Issue date: 14/4/1997 Effective Date: 31/8/1997 Revocation Date: 30/3/2007
70 R	334.0	NW	313160 168170	Address: Barry Docks Ps Cso Off Wimbourne Rd, Wimbourne Road, Barry Docks (no.2 Dock), Barry, Vale Of Glamorgan Effluent Type: Unspecified Permit Number: AN0037801 Permit Version: 1	Receiving Water: The North West Corner Of Barry Status: Revoked - Unspecified Issue date: - Effective Date: - Revocation Date: 21/3/1994
71 R	334.0	NW	313160 168170	Address: Barry Docks Ps Cso Off Wimbourne Rd, Wimbourne Road, Barry Docks (no.2 Dock), Barry, Vale Of Glamorgan Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: AN0037801 Permit Version: 2	Receiving Water: The North West Corner Of Barry Status: Revoked - Unspecified Issue date: - Effective Date: 22/3/1994 Revocation Date: 30/8/1997
72 R	335.0	NW	313161 168172	Address: Barry Docks Ps Cso Off Wimbourne Rd, Wimbourne Road, Barry Docks (no.2 Dock), Barry, Vale Of Glamorgan Effluent Type: Sewage Discharges - Pumping Station - Water Company Permit Number: AN0037801 Permit Version: 5	Receiving Water: The North West Corner Of Barry Status: Varied By Application - (wra 91 Sched 10 - As Amended By Env Act 1995) Issue date: 12/3/2008 Effective Date: 12/3/2008 Revocation Date: -
73	340.0	SW	312300 166700	Address: Barry Yacht Club The Pierhead Barry, Barry Yacht Club The Pierhead Ba, The Pierhead Barry Docks, Barry Docks Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: AN0215401 Permit Version: 1	Receiving Water: Barry Outer Harbour Status: New Consent, By Application (wra 91, Section 88) Issue date: 17/5/1990 Effective Date: 17/5/1990 Revocation Date: 31/7/2014
74 S	344.0	NW	312380 167350	Address: Barry Docks . . . , Barry Docks Effluent Type: Unspecified Permit Number: AN0033210 Permit Version: 1	Receiving Water: Severn Estuary Status: Consent Expired - Time Limit Issue date: 10/9/1987 Effective Date: 10/9/1987 Revocation Date: 9/10/1992
75	347.0	SW	312220 166800	Address: Barry Docks . . , Barry Docks . . . Effluent Type: Unspecified Permit Number: AN0033231 Permit Version: 1	Receiving Water: Severn Estuary Status: Consent Expired - Time Limit Issue date: 10/9/1987 Effective Date: 10/9/1987 Revocation Date: 9/10/1992

ID	Distance	Direction	NGR	Details	
76	357.0	NW	312770 167900	Address: Factory At David Davies Road Barry, Factory At David Davies Road, Barry Docks, Barry, Vale Of Glamorgan Effluent Type: Unspecified Permit Number: AN0238001 Permit Version: 1	Receiving Water: Barry Docks Status: New Consent, By Application (wra 91, Section 88) Issue date: - Effective Date: - Revocation Date: -
77 T	386.0	SW	312225 166716	Address: Barry Yacht Club The Pierhead Barry, Barry Yacht Club The Pierhead Ba, The Pierhead Barry Docks, Barry Docks Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: AN0215401 Permit Version: 2	Receiving Water: Barry Outer Harbour Status: Varied Under Epr 2010 Issue date: 5/2/2014 Effective Date: 1/8/2014 Revocation Date: -
78 T	410.0	SW	312200 166710	Address: Barry Docks . . . , Barry Docks Effluent Type: Unspecified Permit Number: AN0033251 Permit Version: 1	Receiving Water: Severn Estuary Status: Consent Expired - Time Limit Issue date: 10/9/1987 Effective Date: 10/9/1987 Revocation Date: 9/10/1992
79 U	450.0	NE	313700 168100	Address: Windmill Site Hayes Road Barry, Windmill Site, Hayes Road, Barry, Vale Of Glamorgan, CF64 5YB Effluent Type: Trade Discharges - Site Drainage Permit Number: AN028010101 Permit Version: 2	Receiving Water: River Cadoxton Status: Modified - (wra 91 Sched 10 - As Amended By Env Act 1995) Issue date: 22/1/2001 Effective Date: 23/1/2001 Revocation Date: 26/9/2005
80 U	450.0	NE	313700 168100	Address: Windmill Site Hayes Road Barry, Windmill Site, Hayes Road, Barry, Vale Of Glamorgan, CF64 5YB Effluent Type: Trade Discharges - Site Drainage Permit Number: AN028010101 Permit Version: 3	Receiving Water: River Cadoxton Status: Revoked (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 26/9/2005 Effective Date: 27/9/2005 Revocation Date: 7/9/2006
81 U	450.0	NE	313700 168100	Address: Windmill Site Hayes Road Barry, Windmill Site, Hayes Road, Barry, Vale Of Glamorgan, CF64 5YB Effluent Type: Trade Discharges - Unspecified Permit Number: AN028010101 Permit Version: 1	Receiving Water: River Cadoxton Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 27/4/1998 Effective Date: 27/4/1998 Revocation Date: 22/1/2001
82	476.0	N	313220 168340	Address: Barry Docks Storm Ps Barry, Barry Docks Storm Ps Barry, Barry, Barry, Barry, BARRY Effluent Type: Unspecified Permit Number: AN0088801 Permit Version: 1	Receiving Water: Barry Dock Number 2 Status: Consent Expired - Time Limit Issue date: - Effective Date: - Revocation Date: 9/2/1994
83	493.0	W	312068 167105	Address: A Combined Sewer Overflow Dyfrig St, A Combined Sewer Overflow, Dyfrig Street Cso, Barry Island, Barry Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: AN0382401 Permit Version: 1	Receiving Water: Barry Dock No1 Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 30/3/2005 Effective Date: 31/3/2005 Revocation Date: -

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

0

Database searched and no data found.

1.2 Dangerous or Hazardous Sites

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

3

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

ID	Distance	Direction	Company	Address	Operational Status	Tier
96	16.0	NE	Europe Ltd (zeon)	Europe Ltd (zeon Chemicals International), Hayes Road, Sully, Cf64 5yu	Historical NIHHS Site	-
97	328.0	NE	Dow Corning Ltd	Dow Corning Ltd, Barry, Cardiff Road, Barry, Vale Of Glamorgan, Cf63 2yl	Current COMAH Site	COMAH Top Tier Operator
98	454.0	E	Vopak Terminal Windmill Ltd	Vopak Terminal Windmill Ltd, Windmill Site, Vopak Terminal Windmill Ltd, Hayes Road, Penarth, Vale Of Glamorgan, Cf64 5rz	Current COMAH Site	COMAH Top Tier Operator

1.3 Environment Agency Recorded Pollution Incidents

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

15

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

ID	Distance	Direction	NGR	Details
1	0.0	On Site	313060 167280	Incident Date: 06/11/2001 Incident Identification: 42387 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
2A	15.0	SE	313321 167528	Incident Date: 22/09/2001 Incident Identification: 34174 Pollutant: Organic Chemicals/Products Pollutant Description: Phenols and Creosote Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
3A	15.0	SE	313321 167528	Incident Date: 22/09/2001 Incident Identification: 34174 Pollutant: Organic Chemicals/Products Pollutant Description: Surfactants and Detergents Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
4A	15.0	SE	313321 167528	Incident Date: 22/09/2001 Incident Identification: 34174 Pollutant: Organic Chemicals/Products:Organic Chemicals/Products Pollutant Description: Alcohols/Aldehydes:Phenols and Creosote:Surfactants and Detergents Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
5A	15.0	SE	313321 167528	Incident Date: 22/09/2001 Incident Identification: 34174 Pollutant: Organic Chemicals/Products Pollutant Description: Alcohols/Aldehydes Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
6D	44.0	SE	313284 167420	Incident Date: 15/04/2002 Incident Identification: 71841 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)

ID	Distance	Direction	NGR	Details	
7	57.0	SE	313240 167290	Incident Date: 10/01/2002 Incident Identification: 51735 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
8	75.0	E	313270 167320	Incident Date: 13/11/2001 Incident Identification: 42570 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
9	327.0	NW	312540 167540	Incident Date: 16/12/2002 Incident Identification: 126244 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
10B	364.0	SE	313707 167485	Incident Date: 10/01/2003 Incident Identification: 193772 Pollutant: Specific Waste Materials Pollutant Description: Smoke Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 2 (Significant)
11B	364.0	SE	313707 167485	Incident Date: 01/10/2003 Incident Identification: 193772 Pollutant: Atmospheric Pollutants and Effects: Specific Waste Materials Pollutant Description: Smoke: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 2 (Significant)
12B	364.0	SE	313707 167485	Incident Date: 10/01/2003 Incident Identification: 193772 Pollutant: Atmospheric Pollutants and Effects : Specific Waste Materials Pollutant Description: Smoke : Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 2 (Significant)
13B	364.0	SE	313707 167485	Incident Date: 01/10/2003 Incident Identification: 193772 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 2 (Significant)
14B	364.0	SE	313707 167485	Incident Date: 01/10/2003 Incident Identification: 193772 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 2 (Significant)
15	479.0	SE	313770 167370	Incident Date: 19/11/2001 Incident Identification: 43793 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

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

2

The following NIRS List 1 records are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance	Direction	NGR	Details	
16C	18.0	SE	313200 167300	Incident Date: 03-Jul-1999 Incident Identification: 3213.0 Catchments Name: RIVER CADOXTON Water Description: RIVER STRETCH (FRESHWATER) Water Course: RIVER CADOXTON Incident Substantiated: Yes	Priority Description: Immediate (2 Hours) Waste Description: Not Available Water Impact: No Impact Land Impact: No Impact Air Impact: Significant Impact Pollutant:
17C	18.0	SE	313200 167300	Incident Date: 02-Jul-1999 Incident Identification: 3201.0 Catchments Name: RIVER CADOXTON Water Description: RIVER STRETCH (FRESHWATER) Water Course: RIVER CADOXTON Incident Substantiated: Yes	Priority Description: Immediate (2 Hours) Waste Description: Not Available Water Impact: No Impact Land Impact: No Impact Air Impact: Significant Impact Pollutant:

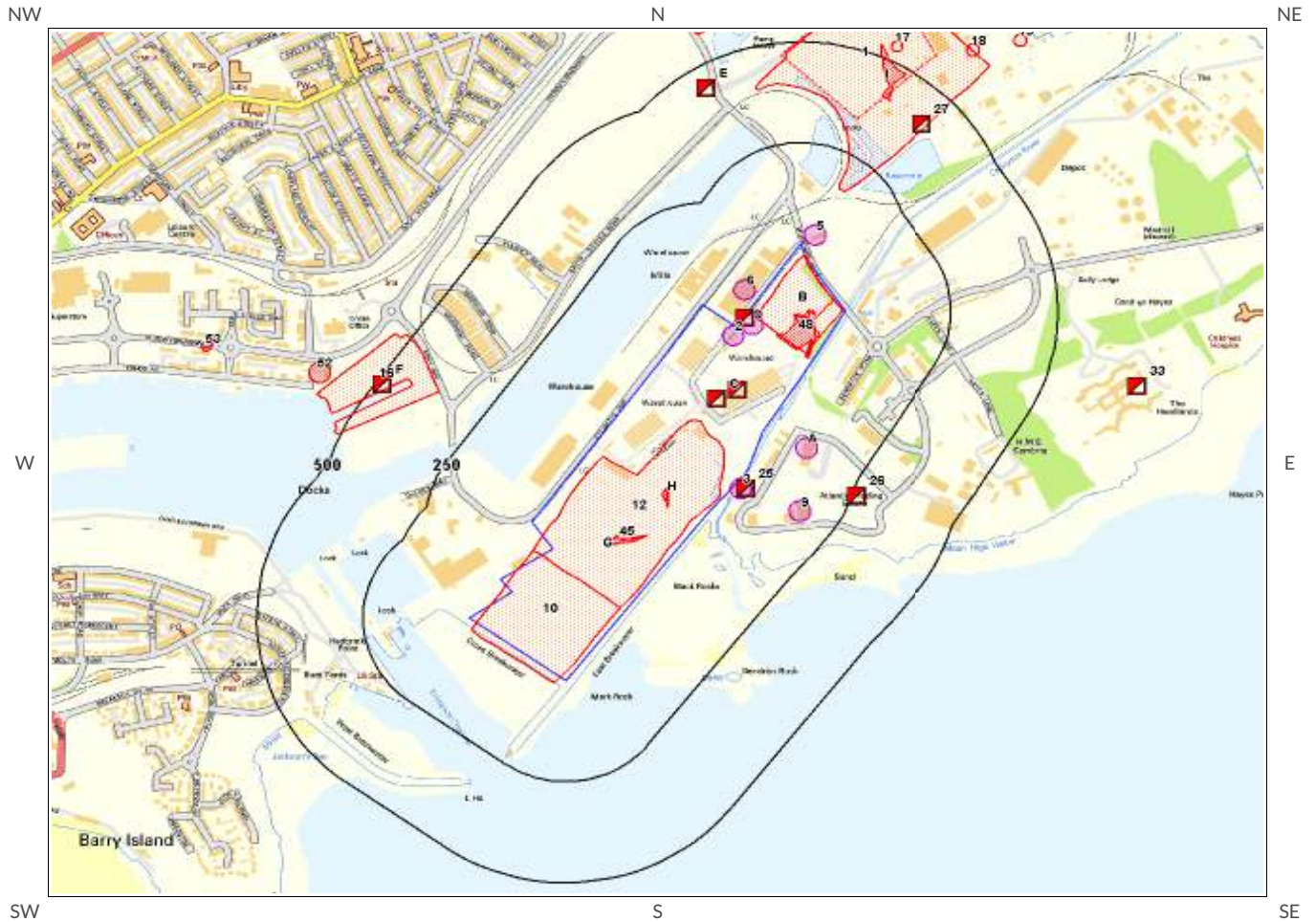
1.4 Sites Determined as Contaminated Land under Part 2A EPA 1990

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.









2. Landfill and Other Waste Sites Map



Landfill and Other Waste Sites Legend



© Crown copyright and database rights 2013.
Ordnance Survey license 100035207.

- | | | | | | |
|---|--------------------|---|--------------------------|---|----------------------------------|
|  | Site Outline |  | E.A. Active Landfill |  | Historic and Planned Waste Sites |
|  | Search Buffers (m) |  | E.A. Historic Landfill |  | E.A. Licensed Waste Site |
| | |  | Local Authority Landfill |  | BGS / DoE Survey Landfill |



2. Landfill and Other Waste Sites

2.1 Landfill Sites

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

1

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

ID	Distance (m)	Direction	NGR	Details
1	337.0	NE	313530 168521	<p>Address: Dow Corning Landfill, Cardiff Road, Barry, Glamorgan, CF63 2YL Landfill Reference: 30043.0 Environmental Permitting Regulations (Waste) Reference: DOW001 Landfill Type: A7 : Industrial Waste Landfill (Factory curtilage)</p> <p>Operator: Dow Corning Ltd Status: Issued IPPC Reference: EPR Reference:</p>

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

12

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

ID	Distance (m)	Direction	NGR	Details
10	0.0	On Site	312700 166900	<p>Site Address: Barry Docks Area B, Atlantic Trading Estate, Atlantic Crescent, Barry, South Glamorgan Waste Licence: Yes Site Reference: 8 Waste Type: Industrial Environmental Permitting Regulations (Waste) Reference: -</p> <p>Licence Issue: 27-Feb-1978 Licence Surrendered: 31-Dec-1978 Licence Hold Address: - Operator: BP Chemicals Limited</p>
11G	0.0	On Site	312800 167100	<p>Site Address: Barry Docks Area A and B, Atlantic Trading Estate, Atlantic Crescent, Barry, South Glamorgan Waste Licence: Yes Site Reference: 16 Waste Type: Inert, Industrial, Commercial, Household, Special, Environmental Permitting Regulations (Waste) Reference: -</p> <p>Licence Issue: 15-Mar-1979 Licence Surrendered: Licence Hold Address: - Operator: BP Chemicals Limited</p>

ID	Distance (m)	Direction	NGR	Details
12	0.0	On Site	312900 167200	<p>Site Address: Barry Docks Area A, Atlantic Trading Estate, Atlantic Crescent, Barry, South Glamorgan</p> <p>Waste Licence: Yes</p> <p>Site Reference: 4</p> <p>Waste Type: Industrial, Special, Liquid sludge, Environmental Permitting Regulations</p> <p>(Waste) Reference: -</p> <p>Licence Issue: 26-Oct-1977 Licence Surrendered: 31-Dec-1978 Licence Hold Address: - Operator: BP Chemicals Limited</p>
13B	0.0	On Site	313300 167700	<p>Site Address: Atlantic Trading Estate, Barry Dock No 2, Wimbourne Road, Barry, South Glamorgan</p> <p>Waste Licence: -</p> <p>Site Reference: 6950/0060</p> <p>Waste Type: Inert, Industrial, Household, Special, Environmental Permitting Regulations</p> <p>(Waste) Reference: -</p> <p>Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: Penarth Contractor</p>
14B	0.0	On Site	313300 167700	<p>Site Address: Barry Dock No.1, Atlantic Trading Estate, Wimbourne Road, Barry, South Glamorgan</p> <p>Waste Licence: Yes</p> <p>Site Reference: 6, 6950/0025</p> <p>Waste Type: Inert, Industrial, Household, Environmental Permitting Regulations</p> <p>(Waste) Reference: -</p> <p>Licence Issue: 02-Nov-1977 Licence Surrendered: 31-Dec-1978 Licence Hold Address: - Operator: F J H Brackett</p>
15I	163.0	NE	313500 168200	<p>Site Address: Barry Factory Salt Water Pond, Wimbourne Road, Barry, South Glamorgan</p> <p>Waste Licence: Yes</p> <p>Site Reference: 22A</p> <p>Waste Type: Inert, Industrial, Household, Special, Liquid sludge, Environmental Permitting Regulations</p> <p>(Waste) Reference: -</p> <p>Licence Issue: 19-Dec-1980 Licence Surrendered: Licence Hold Address: - Operator: Dow Corning Limited</p>
16	368.0	NW	312300 167500	<p>Site Address: Barry Graving Dock, Off Cory Way, Barry, Vale Of Glamorgan</p> <p>Waste Licence: Yes</p> <p>Site Reference: 61</p> <p>Waste Type: Industrial, Household, Special, Environmental Permitting Regulations</p> <p>(Waste) Reference: WU1/L/ASS001</p> <p>Licence Issue: 11-Oct-1994 Licence Surrendered: 16-Jan-2006 Licence Hold Address: 150 Holborn, London Operator: Associated British Ports</p>
17	525.0	NE	313700 168300	<p>Site Address: Barry Factory Ponds A, B and C, Wimbourne Road, Barry, South Glamorgan</p> <p>Waste Licence: Yes</p> <p>Site Reference: 9</p> <p>Waste Type: Industrial</p> <p>Environmental Permitting Regulations</p> <p>(Waste) Reference: -</p> <p>Licence Issue: 06-Apr-1978 Licence Surrendered: Licence Hold Address: - Operator: Dow Corning Limited</p>
18	613.0	NE	313700 168300	<p>Site Address: Barry Factory Ponds A, B and C, Wimbourne Road, Barry, South Glamorgan</p> <p>Waste Licence: Yes</p> <p>Site Reference: 9</p> <p>Waste Type: Industrial</p> <p>Environmental Permitting Regulations</p> <p>(Waste) Reference: -</p> <p>Licence Issue: 06-Apr-1978 Licence Surrendered: Licence Hold Address: - Operator: Dow Corning Limited</p>
19	706.0	NE	313700 168300	<p>Site Address: Barry Factory Ponds A, B and C, Wimbourne Road, Barry, South Glamorgan</p> <p>Waste Licence: Yes</p> <p>Site Reference: 9</p> <p>Waste Type: Industrial</p> <p>Environmental Permitting Regulations</p> <p>(Waste) Reference: -</p> <p>Licence Issue: 06-Apr-1978 Licence Surrendered: Licence Hold Address: - Operator: Dow Corning Limited</p>
Not shown	1043.0	E	314600 167900	<p>Site Address: Ministry of Defence Site, Barry, South Glamorganshire</p> <p>Waste Licence: -</p> <p>Site Reference: -</p> <p>Waste Type: Industrial, Household, Environmental Permitting Regulations</p> <p>(Waste) Reference: -</p> <p>Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: Ministry of Defence</p>

ID	Distance (m)	Direction	NGR	Details
Not shown	1307.0	W	311100 167000	Site Address: West Pond, Barry, South Glamorgan Waste Licence: - Site Reference: - Waste Type: Inert, Industrial, Commercial, Household, Special, Environmental Permitting Regulations (Waste) Reference: - Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: -

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

0

Database searched and no data found.

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

10

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

ID	Distance (m)	Direction	NGR	Site Address	Source	Data Type
44G	0.0	On Site		Refuse Tip	1987 mapping	Polygon
45	0.0	On Site		Refuse Tip	1971 mapping	Polygon
46H	0.0	On Site		Refuse Tip	1987 mapping	Polygon
47H	0.0	On Site		Refuse Tip	1971 mapping	Polygon
48	0.0	On Site		Refuse Tip	1972 mapping	Polygon
49B	0.0	On Site		Refuse Tip	1963 mapping	Polygon
50I	408.0	NE		Refuse Tip	1988 mapping	Polygon
51	571.0	NW		Refuse Tip	1972 mapping	Polygon
52	596.0	NW		Barry Graving Dock, The Waterfront, Barry	Vale of Glamorgan Council	Point
53	868.0	NW		Refuse Tip	1971 mapping	Polygon

2.2 Other Waste Sites

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

8

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	
2	0.0	On Site	313153 167645	Type of Site: Waste Transfer Station Site Address: Atlantic Way, Barry Dock, BARRY, South Glamorgan, CF63 3RA Planning Application Reference: 96/00939/FUL Date: -	Further Details: Scheme proposes an inert waste recycling centre. An application (ref: 96/00939/FUL) for Detailed Planning permission was submitted to Vale Of Glamorgan B.C. on 9th August 1996. Data Source: Historic Planning Application Data Type: Point
3	0.0	On Site	313170 167266	Type of Site: Waste Transfer Station (Conversion) Site Address: Unit 14d, Atlantic Trading Estate, Benricks, CARDIFF, South Glamorgan, CF63 3RF Planning Application Reference: 97/00571/FUL Date: -	Further Details: An application (ref: 97/00571/FUL) for Detailed Planning permission was submitted to Vale Of Glamorgan B.C. on 17th May 1997. Data Source: Historic Planning Application Data Type: Point
4D	0.0	On Site	313198 167673	Type of Site: Recycling Centre (Change Of Use) Site Address: Phase 2, Green Circle Recycling Centre, Atlantic Way Docks, BARRY, South Glamorgan, Planning Application Reference: 97/00748/FUL Date: -	Further Details: An application (ref: 97/00748/FUL) for Detailed Planning permission was submitted to Vale Of Glamorgan B.C. on 8th July 1997. Data Source: Historic Planning Application Data Type: Point
5	15.0	NE	313345 167894	Type of Site: Waste Transfer Station Site Address: Wimborne Road, BARRY, South Glamorgan, CF63 3DH Planning Application Reference: 00/00349/FUL Date: -	Further Details: Provision of a skip waste transfer station and recycling facility for inert and construction materials. Scheme includes 2 portable office buildings and construction of a steel framed workshop building of 162 sqm with 3 roller shutter doors. Construction-roller shutter doors; steel frame. An application (ref: 00/00349/FUL) for Detailed Planning permission was submitted to Vale Of Glamorgan B.C. on 10th December 1999. Data Source: Historic Planning Application Data Type: Point
6	15.0	NW	313179 167759	Type of Site: Waste Transfer Station (Conversion) Site Address: Atlantic Way, BARRY, South Glamorgan, CF63 3RA Planning Application Reference: 2009/00021/FUL Date: -	Further Details: Scheme comprises change of use from B2 - general industrial use to sui generis - waste use which would include operational development in the form of the construction of a gasification waste to energy plant for non-hazardous waste. An application (009/00021/FUL) for detailed planning permission was submitted to Vale Of Glamorgan B.C. Data Source: Historic Planning Application Data Type: Point

ID	Distance (m)	Direction	NGR	Details	
7A	83.0	SE	313325 167367	Type of Site: Waste Recycling Centre Site Address: Plot 6, Atlantic Trading Estate, BARRY, South Glamorgan, CF63 3	Planning Application Reference: 06/00055/REG3 Date: - Further Details: Scheme comprises construction of a household waste recycling centre of 220 sqm with 160 sqm of storage floorspace and 60 sqm of office floorspace. Scheme includes associated works. An application (ref: 06/00055/REG3) for detailed planning permission was granted by Vale Of Glamorgan B.C. Planning decision obtained Data Source: Historic Planning Application Data Type: Point
8A	83.0	SE	313325 167367	Type of Site: Waste Recycling Centre Site Address: Plot 6, Atlantic Trading Estate, BARRY, South Glamorgan, CF63 3	Planning Application Reference: 06/00055/REG3 Date: - Further Details: Scheme comprises construction of a household waste recycling centre of 220 sqm with 160 sqm of storage floorspace and 60 sqm of office floorspace. Scheme includes associated works. An application (ref: 06/00055/REG3) for detailed planning permission was granted by Vale Of Glamorgan B.C. Planning decision obtained Data Source: Historic Planning Application Data Type: Point
9	135.0	SE	313309 167210	Type of Site: Waste Transfer Station Site Address: Atlantic Trading Estate, Unit 15, BARRY, South Glamorgan, CF63 3RF	Planning Application Reference: 04/00209/FUL Date: - Further Details: Scheme comprises construction of a waste transfer station of 142 sqm. Scheme provides a vehicle workshop of 70 sqm a two storey portable offices totalling 72 sqm. Scheme includes a roller shutter door and associated works. Construction - walls; steecladding roof; roller shutter doors; steel frame. An application (ref: 04/00209/FUL) for Detailed Planning permission was submitted to Vale Of Glamorgan B.C. on 2nd February 2004. Data Source: Historic Planning Application Data Type: Point

2.2.2 Records of Environment Agency licensed waste sites within 1500m of the study site:

22

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	
22C	0.0	On Site	313114 167490	Site Address: Sub Unit 1, 19, Atlantic Crescent, Barry Docks, Barry, Glamorgan, CF63 3RG Type: ELV Facility Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: LEV001 EPR reference: EA/EPR/WP3595FZ/A001 Operator: Levics Len Waste Management licence No: 30362 Annual Tonnage: 2499.0	Issue Date: 14/06/2005 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Levics Vehicle Dismantlers Correspondence Address: -, -

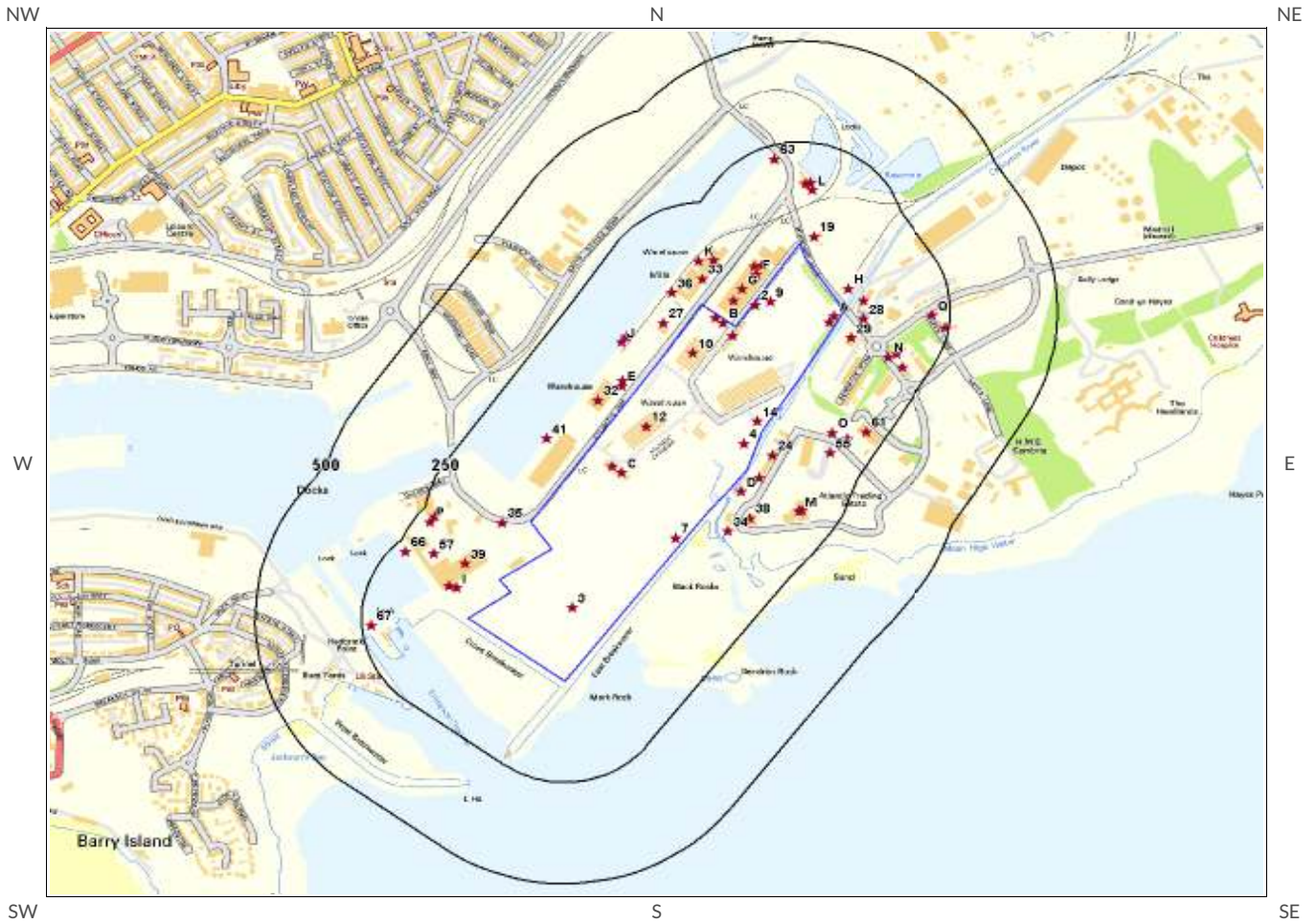
ID	Distance (m)	Direction	NGR	Details	
23C	0.0	On Site	313162 167511	Site Address: Sub Unit 1, 19, Atlantic Crescent, Barry Docks, Barry, South Glam, CF63 3RF Type: ELV Facility Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: LEV001 EPR reference: - Operator: Levics Len Waste Management licence No: 30362 Annual Tonnage: 0.0	Issue Date: 14/06/2005 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Levics Vehicle Dismantlers Correspondence Address: Len Levics, Sub Unit 1, 19, Atlantic Crescent, Barry Docks, Barry, South Glam, CF63 3RF
24D	0.0	NW	313180 167691	Site Address: Atlantic Salvage Company, 22, Atlantic Business Park, Barry Docks, Barry, Glamorgan, CF63 3RF Type: ELV Facility Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: COM003 EPR reference: EA/EPR/VP3495FH/A001 Operator: Comerford David John Waste Management licence No: 30354 Annual Tonnage: 2499.0	Issue Date: 29/09/2005 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Atlantic Salvage Company Correspondence Address: -, -
25	25.0	SE	313183 167268	Site Address: Unit 14e, Atlantic Trading Estate, Barry, Glamorgan, CF63 3RF Type: ELV Facility Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: AND003 EPR reference: EA/EPR/AP3095FU/A001 Operator: Andrew Brown & Lee Walter Peacock Waste Management licence No: 30372 Annual Tonnage: 2499.0	Issue Date: 26/01/2006 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: A & L Scrap Metal Merchants Correspondence Address: -, -
26	262.0	E	313443 167249	Site Address: Plot 6, Atlantic Trading Estate, Barry, South Glamorgan, CF63 3RF Type: Household Waste Amenity Site Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BIF099 EPR reference: EA/EPR/UP3395VQ/A001 Operator: Biffa Waste Services Ltd Waste Management licence No: 102487 Annual Tonnage: 24999.0	Issue Date: 06/07/2011 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Atlantic H W R C Correspondence Address: -, -
27	411.0	NE	313595 168171	Site Address: Dow Corning Waste Transfer Station, Cardiff Road, Barry, Glamorgan, CF63 2YL Type: Material Recycling Treatment Facility Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: DOW003 EPR reference: EA/EPR/AP3495FZ/A001 Operator: Dow Corning Ltd Waste Management licence No: 30376 Annual Tonnage: 4999.0	Issue Date: 29/12/2005 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Dow Corning Waste Transfer Station Correspondence Address: -, -
28E	446.0	NW	313090 168260	Site Address: Berth 31, Wimbourne Road, Barry Dock, Barry, Glamorgan, CF63 3DH Type: Metal Recycling Site (mixed MRS's) Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SIM125 EPR reference: EA/EPR/ZP3692EF/S003 Operator: Sims Group U K Ltd Waste Management licence No: 100571 Annual Tonnage: 0.0	Issue Date: 11/10/2010 Effective Date: 12/07/2011 Modified: - Surrendered Date: 07/02/2014 Expiry Date: - Cancelled Date: - Status: Surrendered Site Name: Site At Berth 31 Correspondence Address: -, -

ID	Distance (m)	Direction	NGR	Details
29E	446.0	NW	313090 168260	<p>Site Address: Berth 31, Wimbourne Road, Barry Dock, Barry, Glamorgan, CF63 3DH Type: Metal Recycling Site (mixed MRS's) Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: DUN030 EPR reference: EA/EPR/BP3693SL/A001 Operator: Dunn Bros (1995) Ltd Waste Management licence No: 100571 Annual Tonnage: 149999.0</p> <p>Issue Date: 11/10/2010 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Dunn Brothers (1995) Ltd Correspondence Address: -, -</p>
30F	486.0	NW	312329 167525	<p>Site Address: Graving Docks Landfill, 1 & 2 Dock, Off Cory Way, Barry Docks, Barry, Glamorgan, CF1 7QB Type: Other Landfill Site taking Special Waste Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ASS001 EPR reference: EA/EPR/QP3399FF/S002 Operator: Associated British Ports Waste Management licence No: 30147 Annual Tonnage: 300000.0</p> <p>Issue Date: 11/10/1994 Effective Date: - Modified: - Surrendered Date: 16/01/2006 Expiry Date: - Cancelled Date: - Status: Surrendered Site Name: Graving Dock Correspondence Address: -, -</p>
31F	486.0	NW	312329 167525	<p>Site Address: Graving Docks Landfill, 1 & 2 Dock, Off Cory Way, Barry Docks, Barry, Vale Of Glam, CF1 7QB Type: Other Landfill Site taking Special Waste Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ASS001 EPR reference: - Operator: Associated British Ports Waste Management licence No: 30147 Annual Tonnage: 0.0</p> <p>Issue Date: 11/10/1994 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Graving Dock Correspondence Address: -</p>
Not shown	684.0	N	313530 168521	<p>Site Address: Dow Corning Landfill, Cardiff Road, Barry, Glamorgan, CF63 2YL Type: Industrial Waste Landfill (Factory curtilage) Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: DOW001 EPR reference: EA/EPR/ZP3599FP/A001 Operator: Dow Corning Ltd Waste Management licence No: 30043 Annual Tonnage: 18250.0</p> <p>Issue Date: 09/04/1991 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Dow Corning Ltd Correspondence Address: -, -</p>
33	708.0	E	314100 167522	<p>Site Address: Sully Hospital Transfer Stn, Hayes Road, Sully, Glamorgan, CF64 5YA Type: Clinical Waste Transfer Station Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: LLA002 EPR reference: EA/EPR/EP3899FT/S002 Operator: Cardiff & Vale N H S Trust Waste Management licence No: 30065 Annual Tonnage: 1346.0</p> <p>Issue Date: 01/07/1992 Effective Date: - Modified: - Surrendered Date: 21/12/2004 Expiry Date: - Cancelled Date: - Status: Surrendered Site Name: Sully Hospital Transfer Station Correspondence Address: -, -</p>
Not shown	800.0	N	313293 168673	<p>Site Address: Unit 7, Cardiff Road, Barry, Sth Glamorgan, CF63 2QW Type: Vehicle Depollution Facility <5000 tps Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: SBS007 EPR reference: EA/EPR/PB3530RJ/A001 Operator: S B S Salvage Limited Waste Management licence No: 400205 Annual Tonnage: 4999.0</p> <p>Issue Date: 20/08/2013 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Unit 7 Correspondence Address: -, -</p>

ID	Distance (m)	Direction	NGR	Details	
Not shown	1234.0	NW	312323 168696	Site Address: Court Road C/ A Site, Court Road, Barry, Vale Of Glam, CF31 3XT Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ECO002 EPR reference: - Operator: Ecovert Ltd Waste Management licence No: 30076 Annual Tonnage: 24999.0	Issue Date: 22/12/1992 Effective Date: - Modified: 29/03/1999 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Court Road Civic Amenity Site Correspondence Address: -, Stormy West Transfer Station, Stormy Down, Pyle, Bridgend, Vale Of Glam, CF32 ONP
Not shown	1259.0	NW	312290 168702	Site Address: Court Road C A Site, Court Road, Barry, Glamorgan, CF63 1ET Type: Household Waste Amenity Site Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ECO002 EPR reference: EA/EPR/VP3599FD/A001 Operator: Ecovert Ltd Waste Management licence No: 30076 Annual Tonnage: 24999.0	Issue Date: 22/12/1992 Effective Date: - Modified: 29/03/1999 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Court Road Civic Amenity Site Correspondence Address: -, -
Not shown	1259.0	NW	312290 168702	Site Address: Court Road C A Site, Court Road, Barry, South Glamorgan, CF63 1ET Type: Household Waste Amenity Site Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: GLA045 EPR reference: EA/EPR/JB3535RS/T001 Operator: Vale Of Glamorgan Council Waste Management licence No: 30076 Annual Tonnage: 24999.0	Issue Date: 22/12/1992 Effective Date: 31/07/2012 Modified: 29/03/1999 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred Site Name: Court Road Civic Amenity Site Correspondence Address: -, -
Not shown	1377.0	E	314733 168107	Site Address: Hayes Road, Sully, Penarth, Glamorgan, CF64 5YA Type: Special Waste Transfer Station Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BIF075 EPR reference: - Operator: Biffa Waste Services Ltd Waste Management licence No: 30089 Annual Tonnage: 24999.0	Issue Date: 16/03/1993 Effective Date: 01/04/2008 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred Site Name: Hayes Road Civic Amenity Site Correspondence Address: -, Coronation Road, Cressex, High Wycombe, Buckinghamshire, HP12 3TZ
Not shown	1377.0	E	314733 168107	Site Address: Hayes Road, Sully, Penarth, Vale Of Glam, CF64 5YA Type: Special Waste Transfer Station Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ENV020 EPR reference: - Operator: Environmental Waste Controls Plc Waste Management licence No: 30089 Annual Tonnage: 24999.0	Issue Date: 16/03/1993 Effective Date: 22/06/2005 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred Site Name: Hayes Road Civic Amenity Site Correspondence Address: -, E W C House, 298, Hale Road, Widnes, Cheshire, WA8 8PX
Not shown	1377.0	E	314733 168107	Site Address: Hayes Road Civic Amenity Site, Hayes Road, Sully, Penarth, Glamorgan, CF64 5YA Type: Household Waste Amenity Site Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BIF075 EPR reference: EA/EPR/WP3899FL/S003 Operator: Biffa Waste Services Ltd Waste Management licence No: 30089 Annual Tonnage: 0.0	Issue Date: 16/03/1993 Effective Date: 01/04/2008 Modified: - Surrendered Date: 19/12/2012 Expiry Date: - Cancelled Date: - Status: Surrendered Site Name: Hayes Road Civic Amenity Site Correspondence Address: -, -

ID	Distance (m)	Direction	NGR	Details	
Not shown	1475.0	E	314805 168201	Site Address: Civic Amenity Site, Hayes Road, Sully, Vale Of Glam, CF64 5YA Type: Special Waste Transfer Station Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ENV020 EPR reference: - Operator: Environmental Waste Controls Ltd Waste Management licence No: 30089 Annual Tonnage: 24999.0	Issue Date: 16/03/1993 Effective Date: 22/06/2005 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred Site Name: Hayes Road Civic Amenity Site Correspondence Address: Mr William Edwards, 298, Hale Road, Widnes, Cheshire, WA8 8PX
Not shown	1475.0	E	314805 168201	Site Address: Hayes Rd Civic Amenity Site, Hayes Road, Sully, Vale Of Glam, CF64 5YA Type: Special Waste Transfer Station Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 3CN001 EPR reference: - Operator: Ecovert Ltd Waste Management licence No: 30089 Annual Tonnage: 24999.0	Issue Date: 16/03/1993 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Hayes Road Civic Amenity Site Correspondence Address: -, Stormy West Transfer Stn, Stormy Down, Pyle, Bridgend, Vale Of Glam, CF32 0NP
Not shown	1475.0	E	314805 168201	Site Address: Hayes Rd Civic Amenity Site, Hayes Road, Sully, Vale Of Glam, CF64 5YA Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 3CN001 EPR reference: - Operator: Ecovert Ltd Waste Management licence No: 30089 Annual Tonnage: 24999.0	Issue Date: 16/03/1993 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: Hayes Road Civic Amenity Site Correspondence Address: -, Stormy West Transfer Stn, Stormy Down, Pile, Bridgend, Vale Of Glam, CF32 0NP



3. Current Land Use Map



Current Land Use Legend



© Crown copyright and database rights 2013.
Ordnance Survey license 100035207.

-  Site Out 10
-  Current Industrial Sites
-  Petrol & Fuel Sites
-  Underground - High Pressure Oil & Fuel Pipelines
-  Search Buffers (m)



3. Current Land Uses

3.1 Current Industrial Data

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

68

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

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
1B	0.0	On Site	A Stitch in Time	313130 167675	Atlantic Way, Barry, CF63 3RA	Textiles, Fabrics, Silk and Machinery	Industrial Products
2	0.0	On Site	Atlantic Salvage	313206 167720	Unit 22, Atlantic Trading Estate, Barry, CF63 3RF	Scrap Metal Merchants	Recycling Services
3	0.0	On Site	Refuse Tip	312778 166972	CF63	Refuse Disposal Facilities	Infrastructure and Facilities
4	0.0	On Site	Sand Pit	313181 167378	CF63	Sand, Gravel and Clay Extraction and Merchants	Extractive Industries
5C	0.0	On Site	Tank	312894 167306	CF63	Tanks (Generic)	Industrial Features
6A	0.0	On Site	Conveyor	313392 167693	CF63	Conveyors	Industrial Features
7	0.0	On Site	Refuse Tip	313020 167145	CF63	Refuse Disposal Facilities	Infrastructure and Facilities
8A	0.0	On Site	Conveyor	313379 167677	CF63	Conveyors	Industrial Features
9	0.0	On Site	Scrap Yard	313243 167728	CF63	Scrap Metal Merchants	Recycling Services
10	0.0	On Site	Warehouse	313059 167602	CF63	Container and Storage	Transport, Storage and Delivery
11B	0.0	On Site	Warehouse	313153 167644	CF63	Container and Storage	Transport, Storage and Delivery
12	0.0	On Site	Warehouse	312950 167420	CF63	Container and Storage	Transport, Storage and Delivery
13B	0.0	On Site	B R T International Ltd	313113 167689	Atlantic Way, Barry, CF63 3RA	Vehicle Repair, Testing and Servicing	Repair and Servicing
14	0.0	On Site	Spartan Engine & Plant Repairs Ltd	313210 167432	Unit 16, Atlantic Trading Estate, Barry, CF63 3RF	Construction and Tool Hire	Hire Services
15C	0.0	On Site	Leisure Solutions Ltd	312870 167322	Unit 1, Atlantic Crescent, Barry, CF63 3RG	Furniture	Consumer Products
16D	22.0	SE	A & L Vehicle Recycling & Scrap Metals	313172 167259	Unit 14e, Atlantic Trading Estate, Barry, CF63 3RF	Scrap Metal Merchants	Recycling Services
17E	32.0	NW	Tank	312894 167520	CF63	Tanks (Generic)	Industrial Features
18D	35.0	SE	Ace Site Services UK Ltd	313215 167292	Unit 14d, Atlantic Trading Estate, Barry, CF63 3RF	Construction and Tool Hire	Hire Services

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
19	37.0	NE	Scafftag	313345 167888	Scafftag House, Wimborne Road, Barry, CF63 3DH	Stationery, Stamps, Tags and Labels	Industrial Products
20H	38.0	NE	Tank	313424 167760	CF63	Tanks (Generic)	Industrial Features
21F	39.0	NW	Welsh Car & Van Specialist	313209 167796	Unit 10 Wimbourne Buildings, Atlantic Way, Barry, CF63 3RA	Vehicle Repair, Testing and Servicing	Repair and Servicing
22E	39.0	NW	Conveyors	312895 167533	CF63	Conveyors	Industrial Features
23F	40.0	NW	Dragon Windcreens	313223 167818	Unit 12 Wimbourne Buildings, Atlantic Way, Barry, CF63 3RA	Vehicle Repair, Testing and Servicing	Repair and Servicing
24	42.0	E	A K Car & Commercial Repair	313245 167349	Unit 14b, Atlantic Trading Estate, Barry, CF63 3RF	Vehicle Repair, Testing and Servicing	Repair and Servicing
25G	44.0	NW	Alembic Ltd	313176 167759	Unit 6 Wimbourne Buildings, Atlantic Way, Barry, CF63 3RA	Colours, Chemicals and Water Softeners and Supplies	Industrial Products
26G	44.0	NW	Woodland Garden Products Ltd	313154 167730	Unit 3 Wimbourne Buildings, Atlantic Way, Barry, CF63 3RA	Fences, Gates and Railings	Industrial Products
27	46.0	NW	Electricity Sub Station	312992 167676	CF63	Electrical Features	Infrastructure and Facilities
28	48.0	SE	Darren Evans Flooring	313459 167686	Unit 8, Wimborne Road, Barry, CF63 3DH	Construction Completion Services	Construction Services
29	49.0	SE	T J Williams Ltd	313431 167639	Wimborne Road, Barry, CF63 3DH	Instrumentation Engineers	Engineering Services
30H	50.0	NE	Window Cleaning Warehouse	313459 167731	Unit 7, Wimborne Road, Barry, CF63 3DH	Cleaning Equipment and Supplies	Industrial Products
31F	53.0	NW	R & N Spraying	313204 167815	Unit 11 Wimbourne Buildings, Atlantic Way, Barry, CF63 3RA	Vehicle Repair, Testing and Servicing	Repair and Servicing
32	57.0	NW	Warehouse	312837 167485	CF63	Container and Storage	Transport, Storage and Delivery
33	62.0	N	Conveyor	313083 167785	CF63	Conveyors	Industrial Features
34	66.0	SE	Pipeline	313142 167161	CF63	Pipelines	Industrial Features
35	69.0	W	Electricity Sub Station	312613 167183	CF63	Electrical Features	Infrastructure and Facilities
36	73.0	NW	Electricity Sub Station	313011 167750	CF63	Electrical Features	Infrastructure and Facilities
37I	79.0	NW	Electricity Sub Station	312506 167021	CF63	Electrical Features	Infrastructure and Facilities
38	80.0	SE	A P C Panels Ltd	313193 167194	Atlantic Trading Estate, Barry, CF63 3RF	General Construction Supplies	Industrial Products
39	90.0	NW	Graypen Ltd	312527 167080	Atlantic Way, Barry, CF63 3RA	Distribution and Haulage	Transport, Storage and Delivery
40I	92.0	NW	Electricity Sub Station	312489 167026	CF63	Electrical Features	Infrastructure and Facilities
41	94.0	NW	Travelling Cranes	312718 167390	CF63	Travelling Cranes and Gantries	Industrial Features
42J	97.0	NW	Travelling Crane	312894 167628	CF63	Travelling Cranes and Gantries	Industrial Features
43J	97.0	NW	Cranes	312904 167642	CF63	Travelling Cranes and Gantries	Industrial Features
44K	106.0	N	Silo	313073 167829	CF63	Hoppers and Silos	Farming

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
45K	110.0	N	Warehouse	313108 167830	CF63	Container and Storage	Transport, Storage and Delivery
46L	134.0	N	Tank	313340 168004	CF63	Tanks (Generic)	Industrial Features
47O	138.0	SE	Install Skip Hire Ltd	313386 167404	Unit 12e, Atlantic Trading Estate, Barry, CF63 3RF	Construction and Tool Hire	Hire Services
48N	148.0	SE	Electricity Sub Station	313519 167592	CF63	Electrical Features	Infrastructure and Facilities
49L	148.0	N	Depot	313324 168021	CF63	Container and Storage	Transport, Storage and Delivery
50L	152.0	N	C J Contract Travel Services Ltd	313336 168023	Wimborne Road, Barry, CF63 3DH	Disability and Mobility Equipment	Consumer Products
51L	152.0	N	John T Evans Haulage Contractors	313336 168023	Atlantic Way, Barry, CF63 3RA	Distribution and Haulage	Transport, Storage and Delivery
52M	160.0	SE	S H S Scaffolding	313309 167210	Unit 15, Atlantic Trading Estate, Barry, CF63 3RF	Construction and Tool Hire	Hire Services
53M	160.0	SE	Forklift Specialist	313309 167210	Unit 15, Atlantic Trading Estate, Barry, CF63 3RF	New Vehicles	Motoring
54N	160.0	SE	J S Bowsher Ltd	313538 167598	Unit 3a, Atlantic Trading Estate, Barry, CF63 3RF	General Construction Supplies	Industrial Products
55	162.0	SE	Electricity Sub Station	313383 167355	CF63	Electrical Features	Infrastructure and Facilities
56M	162.0	SE	Cass Hire & Sales Ltd	313315 167213	Unit 15a, Atlantic Trading Estate, Barry, CF63 3RF	Construction and Tool Hire	Hire Services
57	168.0	W	Depot	312453 167106	CF63	Container and Storage	Transport, Storage and Delivery
58O	177.0	SE	Techni Flow UK Ltd	313422 167387	Unit 8e, Atlantic Trading Estate, Barry, CF63 3RF	Industrial Repairs and Servicing	Repair and Servicing
59O	177.0	SE	Atlantic Vehicle Repairs	313422 167387	Unit 12a, Atlantic Trading Estate, Barry, CF63 3RF	Vehicle Repair, Testing and Servicing	Repair and Servicing
60N	189.0	SE	J & E Hall Ltd	313551 167566	Unit D1, Atlantic Trading Estate, Barry, CF63 3RF	Construction Completion Services	Construction Services
61	204.0	SE	Western Welding & Engineering Co Ltd	313467 167407	Unit 9, Atlantic Trading Estate, Barry, CF63 3XA	Industrial Engineers	Engineering Services
62Q	207.0	E	Air Road Express	313622 167694	2, Hayes Road, Sully, Penarth, CF64 5SE	Airlines and Airline Services	Transport, Storage and Delivery
63	217.0	N	Electricity Sub Station	313251 168081	CF63	Electrical Features	Infrastructure and Facilities
64P	217.0	NW	Depot	312445 167185	CF63	Container and Storage	Transport, Storage and Delivery
65P	218.0	NW	Tank	312455 167197	CF63	Tanks (Generic)	Industrial Features
66	222.0	NW	Travelling Cranes	312386 167111	CF63	Travelling Cranes and Gantries	Industrial Features
67	230.0	W	Electricity Sub Station	312306 166929	CF63	Electrical Features	Infrastructure and Facilities
68Q	241.0	E	D R Harris	313653 167664	1a, Hayes Lane, Sully, Penarth, CF64 5SF	Distribution and Haulage	Transport, Storage and Delivery

3.2 Petrol and Fuel Sites

Records of petrol or fuel sites within 500m of the study site: 0

Database searched and no data found.

3.3 Underground High Pressure Oil and Gas Pipelines

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

Database searched and no data found.



4. Geology

4.1 Artificial Ground and Made Ground

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

Lex Code	Description	Rock Type
MGR-MGRD	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

4.2 Superficial Ground and Drift Geology

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

Lex Code	Description	Rock Type
TFD-CLSS	TIDAL FLAT DEPOSITS	CLAY, SILT AND SAND
BSA-SAND	BLOWN SAND	SAND
TFD-CLSS	TIDAL FLAT DEPOSITS	CLAY, SILT AND SAND

4.3 Bedrock and Solid Geology

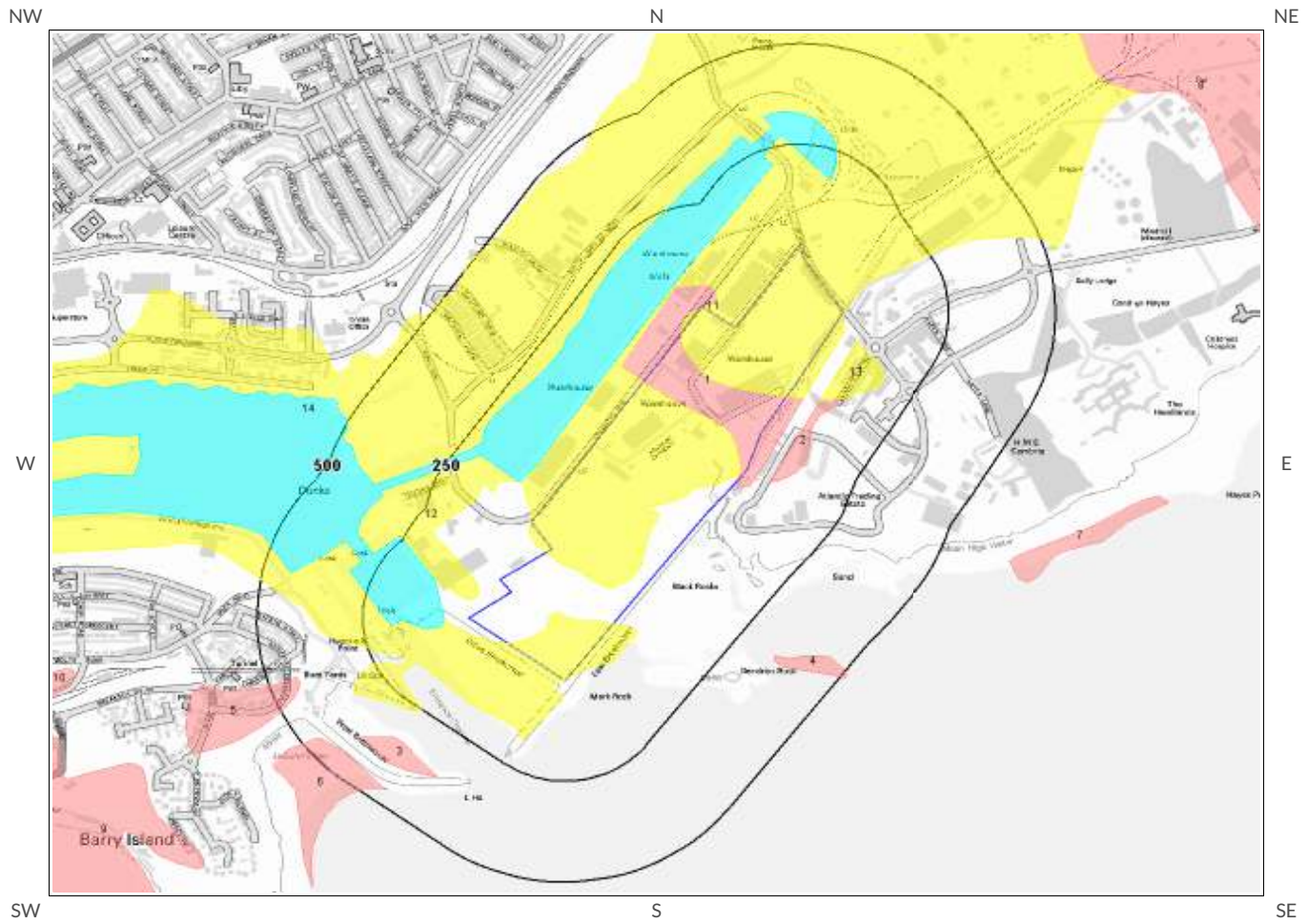
The database has been searched on site, including a 50m buffer.

Lex Code	Description	Rock Type
BAN-MDST	BLUE ANCHOR FORMATION	MUDSTONE
MMG-MDST	MERCIA MUDSTONE GROUP	MUDSTONE
MMMFC-CONG	MERCIA MUDSTONE GROUP (MARGINAL FACIES)	CONGLOMERATE
QCG-SCON	QUARTZ CONGLOMERATE GROUP (SOUTH WALES)	INTERBEDDED SANDSTONE AND CONGLOMERATE
MMG-MDST	MERCIA MUDSTONE GROUP	MUDSTONE
BHL-LMST	BARRY HARBOUR LIMESTONE FORMATION	LIMESTONE
FPL-LMST	FRIARS POINT LIMESTONE FORMATION	LIMESTONE
MMG-MDST	MERCIA MUDSTONE GROUP	MUDSTONE
MMMFC-CONG	MERCIA MUDSTONE GROUP (MARGINAL FACIES)	CONGLOMERATE
AVO-LSMD	AVON GROUP	INTERBEDDED LIMESTONE AND MUDSTONE

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

5. Hydrogeology and Hydrology









5a. Aquifer Within Superficial Geology



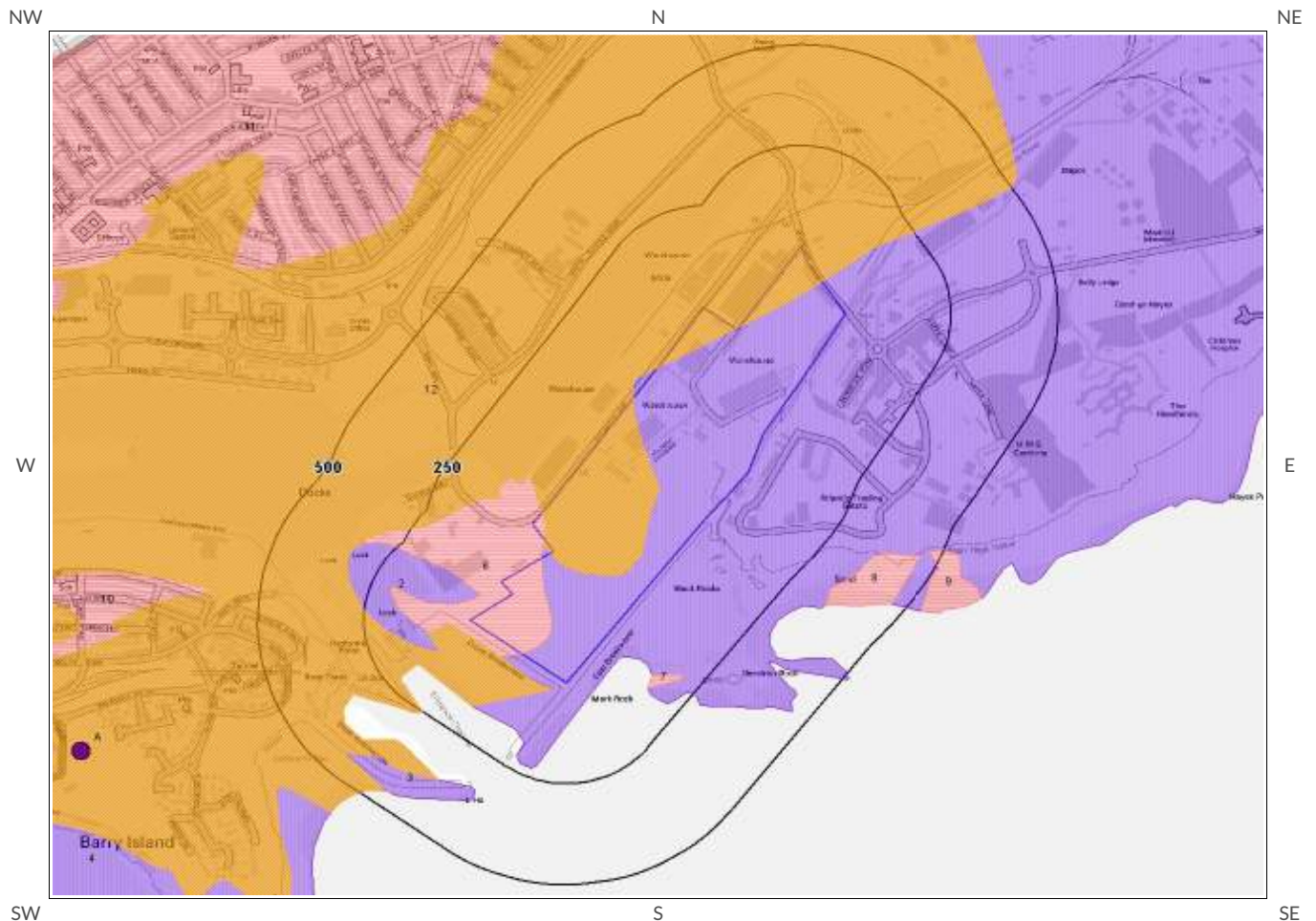
Map Legend

Mapping sourced from 

© Crown copyright and database rights 2013. Ordnance Survey license 100035207.

-  Site Outline
-  Principal Aquifer
-  Secondary Aquifer - Undifferentiated Layers
-  Secondary (A) Aquifer - Permeable Layers
-  Impervious
-  Search Buffer (m)
-  Secondary (H) Aquifer - Lower Permeability Layers
-  Unknown (lakes and landfills)

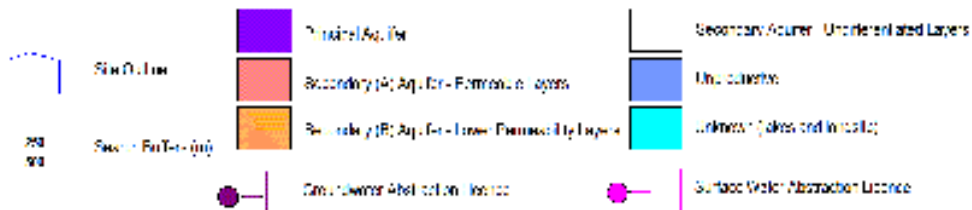
5b. Aquifer Within Bedrock Geology and Abstraction Licenses



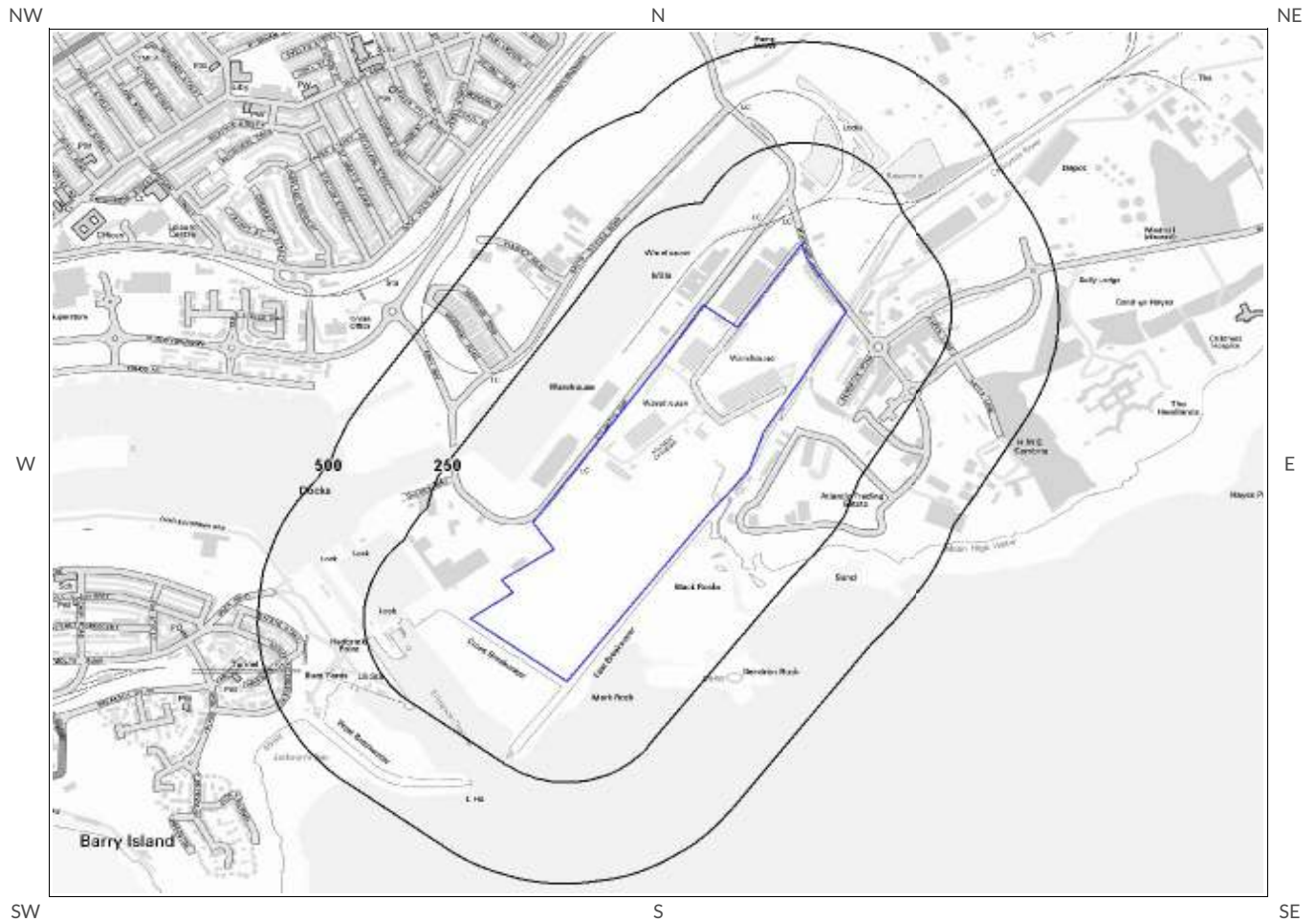
Map Legend

Mapping sourced from 

© Crown copyright and database rights 2013.
Ordnance Survey license 100035207.











5c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licenses



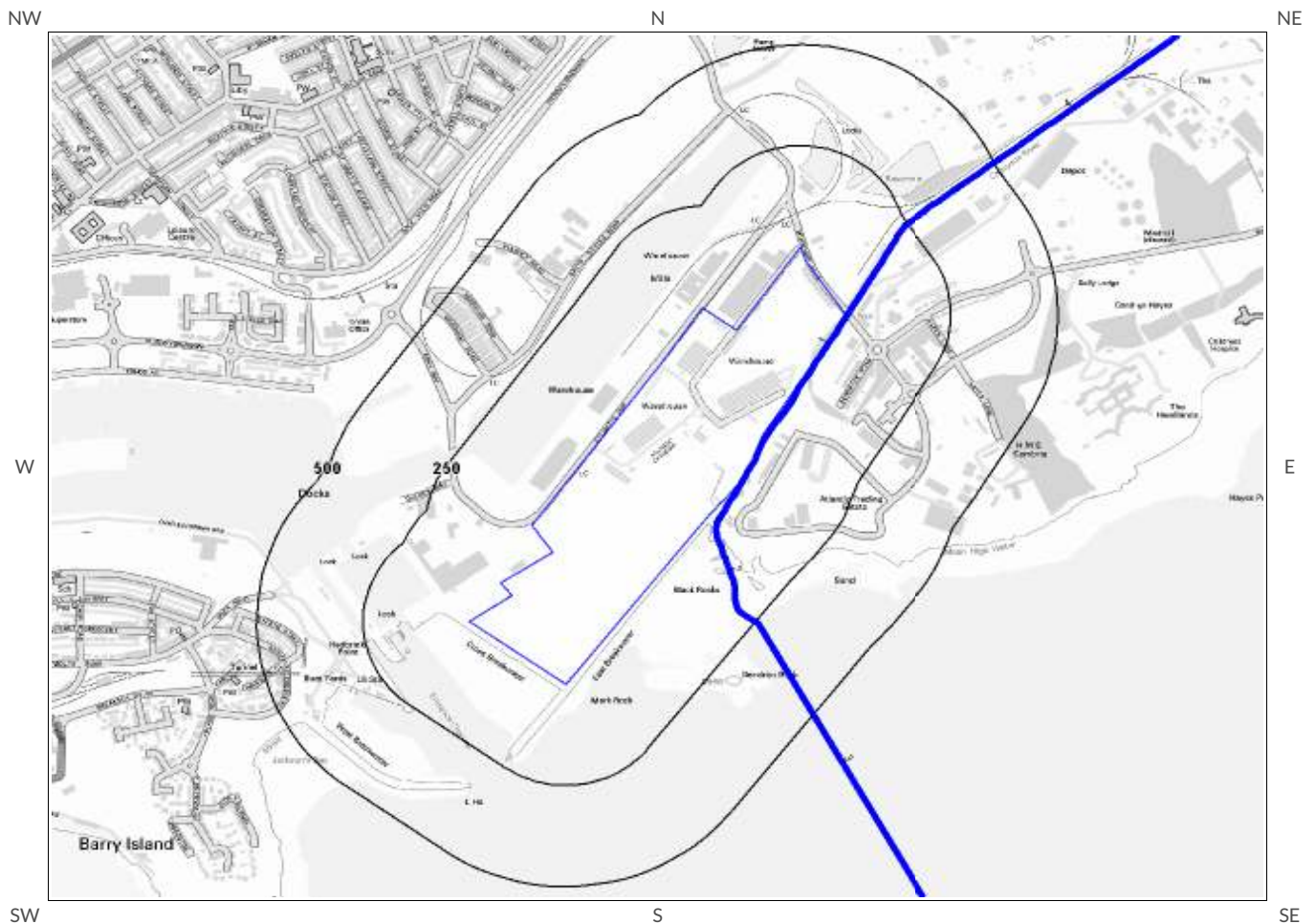
Map Legend



© Crown copyright and database rights 2013. Ordnance Survey license 100035207.

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

















5d. Hydrology – Detailed River Network and River Quality



Map Legend

Mapping sourced from 

© Crown copyright and database rights 2013. Ordnance Survey license 100035207.

- | | | | | | |
|---|-------------------|---|---------------------------------|--|-------------------------------------|
|  | Site Outline |  | Primary River |  | Canal |
|  | Search Buffer (m) |  | Secondary River |  | Canal Tunnel |
|  | Search Buffer (m) |  | Tertiary River |  | Culvert |
| | |  | Trib-0-Stream |  | Multiple Channel Culvert |
| | |  | Underground River (known) |  | Underground River (Potable Sewer) |
| | |  | Green Quality Assessment (Good) |  | Underground River (Local Knowledge) |
| | |  | Green Quality Assessment (Poor) | | |



5. Hydrogeology and Hydrology

5.1 Aquifer within Superficial Deposits

Are there records of strata classification within the superficial 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 Enviroinsight User Guide.

The following aquifer records are shown on the Aquifer within Superficial Geology Map (5a):

ID	Distance (m)	Direction	Designation	Description
1	0.0	On Site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
11	0.0	On Site	Secondary (undifferentiated)	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
12	35.0	NW	Secondary (undifferentiated)	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
14	58.0	W	Unknown	Unknown
2	60.0	SE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
13	64.0	SE	Secondary (undifferentiated)	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
3	342.0	SW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
4	347.0	SE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
5	428.0	W	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
6	443.0	SW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

5.2 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 Enviroinsight User Guide.

The following aquifer records are shown on the Aquifer within Bedrock Geology Map (5b):

ID	Distance (m)	Direction	Designation	Description
1	0.0	On Site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
6	0.0	On Site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
12	0.0	On Site	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers
2	40.0	NW	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
7	144.0	SE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
8	333.0	SE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
3	339.0	SW	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
9	470.0	SE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

5.3 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 (5b):

ID	Distance (m)	Direction	NGR	Details
13A	971.0	W	311620 166620	Licence No: 21/58/31/0030 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Eaw Groundwater Point: Borehole At Barry Island Pleasure Park Data Type: Point Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 21/3/1997 Expiry Date: 21/03/2002 Issue No: 100 Version Start Date: 21/3/1997 Version End Date:

ID	Distance (m)	Direction	NGR	Details
14A	971.0	W	311620 166620	Licence No: 21/58/31/0031 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Eaw Groundwater Point: Borehole At Barry Island Pleasure Park Data Type: Point Annual Volume (m ³): 41172 Max Daily Volume (m ³): 112.8 Original Application No: - Original Start Date: 31/5/2002 Expiry Date: 31/3/2018 Issue No: 1 Version Start Date: 21/5/2004 Version End Date:

5.4 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 (5b):

ID	Distance (m)	Direction	NGR	Details
Not shown	1024.0	NE	314190 168400	Licence No: 21/58/11/0003 Details: General Use Relating To Secondary Category (High Loss) Direct Source: Eaw Surface Water Point: River Cadoxton At Dow Corning Data Type: Point Annual Volume (m ³): 1458175 Max Daily Volume (m ³): 3995 Application No: - Original Start Date: 10/2/1966 Expiry Date: - Issue No: 102 Version Start Date: 25/7/2002 Version End Date:
Not shown	1024.0	NE	314190 168400	Licence No: 21/58/11/0003 Details: Evaporative Cooling Direct Source: Eaw Surface Water Point: River Cadoxton At Dow Corning Data Type: Point Annual Volume (m ³): - Max Daily Volume (m ³): - Application No: - Original Start Date: 10/2/1966 Expiry Date: - Issue No: 100 Version Start Date: 5/9/1997 Version End Date:
Not shown	1024.0	NE	314190 168400	Licence No: 21/58/11/0003 Details: Process water Direct Source: Eaw Surface Water Point: River Cadoxton At Dow Corning Data Type: Point Annual Volume (m ³): - Max Daily Volume (m ³): - Application No: - Original Start Date: 10/2/1966 Expiry Date: - Issue No: 100 Version Start Date: 5/9/1997 Version End Date:
Not shown	1024.0	NE	314190 168400	Licence No: 21/58/11/0003 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Eaw Surface Water Point: River Cadoxton At Dow Corning Data Type: Point Annual Volume (m ³): - Max Daily Volume (m ³): - Application No: - Original Start Date: 10/2/1966 Expiry Date: - Issue No: 100 Version Start Date: 5/9/1997 Version End Date:

5.5 Potable Water Abstraction Licences

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

No

Database searched and no data found.

5.6 Source Protection Zones

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

No

Database searched and no data found.

5.7 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?

Yes

Distance (m)	Direction	Classification	Soil Vulnerability Category	Description
0	On Site	Minor Aquifer/High Leaching Potential	HU	Soil information for urban areas and restored mineral workings. These soils are therefore assumed to be highly permeable in the absence of site-specific information.
0	On Site	Major Aquifer/High Leaching Potential	HU	Soil information for urban areas and restored mineral workings. These soils are therefore assumed to be highly permeable in the absence of site-specific information.
39	NW	Major Aquifer/High Leaching Potential	HU	Soil information for urban areas and restored mineral workings. These soils are therefore assumed to be highly permeable in the absence of site-specific information.
220	E	Major Aquifer/High Leaching Potential	H1	Soils which readily transmit liquid discharges because they are shallow or susceptible to rapid flow directly to rock, gravel or groundwater.
336	SW	Major Aquifer/High Leaching Potential	HU	Soil information for urban areas and restored mineral workings. These soils are therefore assumed to be highly permeable in the absence of site-specific information.

5.8 River Quality

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

5.8.1 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 (5d):

ID	Distance (m)	Direction	NGR	River Quality Grade	Biological Quality Grade				
					2005	2006	2007	2008	2009
Not shown	1033.0	NE	314200 168400	River Name: Cadoxton Reach: Tidal Limit - Conf.cold Bk. End/Start of Stretch: End of Stretch NGR	C	C	C	C	B

5.8.2 Chemical Quality:

Chemical quality data is based on the General Quality Assessment Headline Indicators scheme (GQAH). In England, each chemical sample is measured for ammonia and dissolved oxygen. In Wales, the samples are measured for biological oxygen demand (BOD), ammonia and dissolved oxygen. The results are graded from A ('Very Good') to F ('Bad').

The following Chemical Quality records are shown on the Hydrology Map (5d):

ID	Distance (m)	Direction	NGR	River Quality Grade	Chemical Quality Grade				
					2005	2006	2007	2008	2009
Not shown	1033.0	NE	314200 168400	River Name: Cadoxton Reach: Tidal Limit - Conf.cold Bk. End/Start of Stretch: End of Stretch NGR	C	C	C	B	-

5.9 Detailed River Network

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

Yes

The following Detailed River Network records are represented on the Hydrology Map (5d):

ID	Distance (m)	Direction	Details
1	0.0	On Site	River Name: Cadoxton River Welsh River Name: - Alternative Name: - River Type: Primary River Main River Status: Currently Undefined
2	10.0	SE	River Name: - Welsh River Name: - Alternative Name: - River Type: Primary River Main River Status: Currently Undefined
3	262.0	SE	River Name: - Welsh River Name: - Alternative Name: - River Type: Primary River Main River Status: Currently Undefined
4	384.0	E	River Name: Cadoxton River Welsh River Name: - Alternative Name: - River Type: Primary River Main River Status: Currently Undefined
5	384.0	E	River Name: Drain Welsh River Name: - Alternative Name: - River Type: Tertiary River Main River Status: Currently Undefined

5.10 Surface Water Features

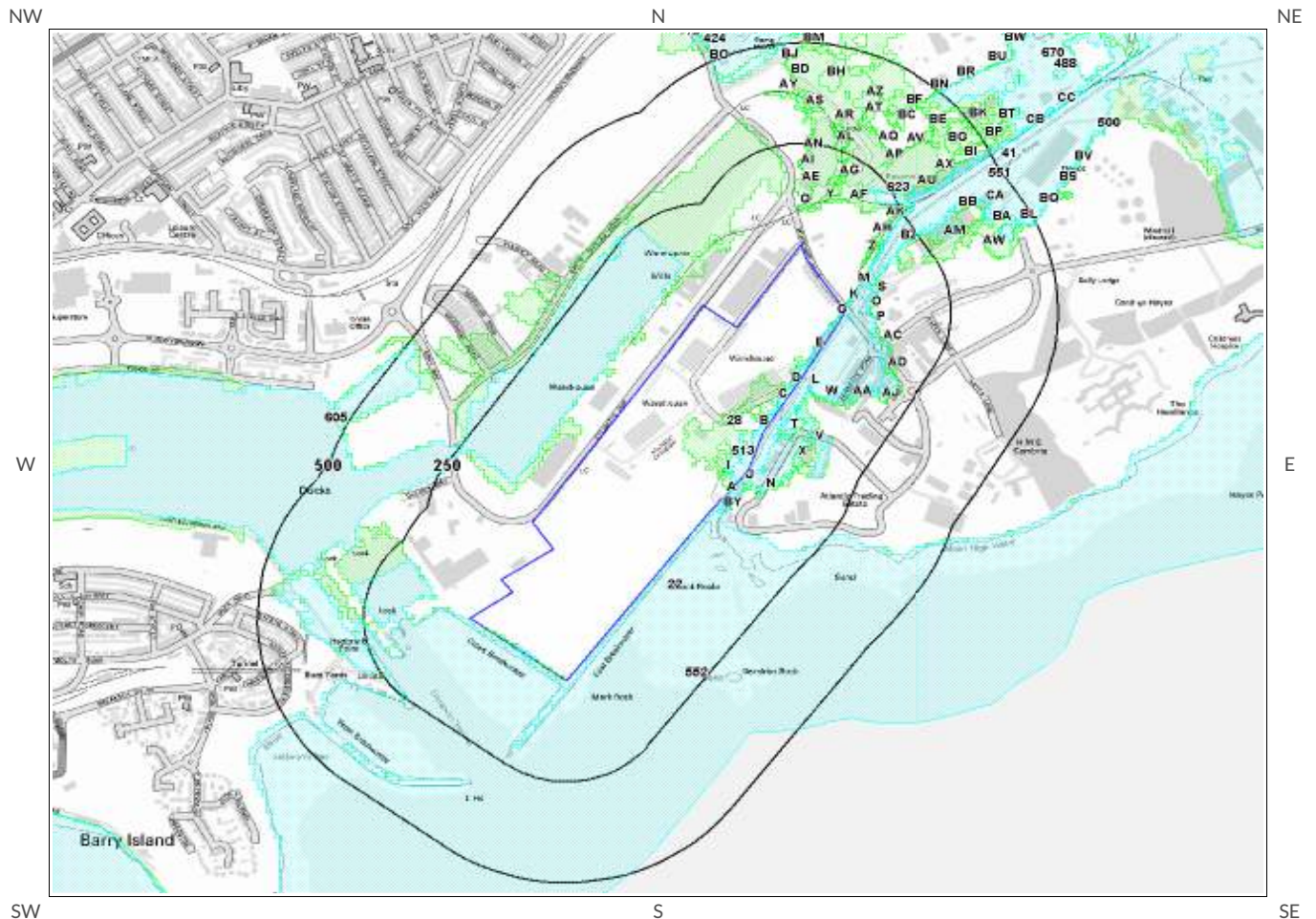
Are there any surface water features within 250m of the study site?

Yes

The following surface water records are not represented on mapping:

Distance (m)	Direction
7.0	SE
0.0	On Site
0.0	On Site
9.0	NE
54.0	NE
96.0	NW
152.0	N
182.0	NE
197.0	NE
217.0	NE



6. Environment Agency Flood Map for planning (from rivers and the sea)



Map Legend



© Crown copyright and database rights 2013.
Ordnance Survey license 100035207.

-  500m Search Buffer (m)
-  250m Search Buffer (m)
-  Zone 2 Floodplain
-  Zone 1 Floodplain
-  Flood Storage Area
-  Area Deriving from Flood Defenses
-  Flood Defenses



6. Flooding

6.1 Zone 2 Flooding

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 1 – Environment Agency Flood Map for Planning:

Is the site within 250m of an Environment Agency Zone 2 floodplain? Yes

The following floodplain records are represented as green shading on the Flood Map:

ID	Distance (m)	Direction	Update	Type
1A	0.0	On Site	10-Jun-2014	Zone 2 - (Fluvial Models)
2A	0.0	On Site	10-Jun-2014	Zone 2 - (Fluvial Models)
3I	0.0	On Site	10-Jun-2014	Zone 2 - (Fluvial Models)
4B	0.0	On Site	10-Jun-2014	Zone 2 - (Fluvial Models)
5B	0.0	On Site	10-Jun-2014	Zone 2 - (Fluvial Models)
6C	0.0	On Site	10-Jun-2014	Zone 2 - (Fluvial Models)
7C	0.0	On Site	10-Jun-2014	Zone 2 - (Fluvial Models)
8D	0.0	On Site	10-Jun-2014	Zone 2 - (Fluvial Models)
9D	0.0	On Site	10-Jun-2014	Zone 2 - (Fluvial Models)
10D	0.0	On Site	10-Jun-2014	Zone 2 - (Fluvial Models)
11H	0.0	On Site	10-Jun-2014	Zone 2 - (Fluvial Models)
12E	0.0	On Site	10-Jun-2014	Zone 2 - (Fluvial Models)
13E	0.0	On Site	10-Jun-2014	Zone 2 - (Fluvial Models)
14F	0.0	On Site	10-Jun-2014	Zone 2 - (Fluvial Models)
15F	0.0	On Site	10-Jun-2014	Zone 2 - (Fluvial Models)
16F	0.0	On Site	10-Jun-2014	Zone 2 - (Fluvial Models)
17G	0.0	On Site	10-Jun-2014	Zone 2 - (Fluvial Models)
18G	0.0	On Site	10-Jun-2014	Zone 2 - (Fluvial Models)
19B	0.0	On Site	10-Jun-2014	Zone 2 - (Fluvial Models)
20B	0.0	On Site	10-Jun-2014	Zone 2 - (Fluvial Models)

ID	Distance (m)	Direction	Update	Type
21D	0.0	On Site	10-Jun-2014	Zone 2 - (Fluvial Models)
22	0.0	On Site	10-Jun-2014	Zone 2 - (Tidal Models)
23B	0.0	On Site	10-Jun-2014	Zone 2 - (Tidal Models)
24B	0.0	On Site	10-Jun-2014	Zone 2 - (Tidal Models)
25D	0.0	On Site	10-Jun-2014	Zone 2 - (Tidal Models)
26D	0.0	On Site	10-Jun-2014	Zone 2 - (Tidal Models)
27D	0.0	On Site	10-Jun-2014	Zone 2 - (Tidal Models)
28	0.0	On Site	10-Jun-2014	Zone 2 - (Tidal Models)
29H	0.0	On Site	10-Jun-2014	Zone 2 - (Tidal Models)
30E	0.0	On Site	10-Jun-2014	Zone 2 - (Tidal Models)
31E	0.0	On Site	10-Jun-2014	Zone 2 - (Tidal Models)
32F	0.0	On Site	10-Jun-2014	Zone 2 - (Tidal Models)
33F	0.0	On Site	10-Jun-2014	Zone 2 - (Tidal Models)
34F	0.0	On Site	10-Jun-2014	Zone 2 - (Tidal Models)
35G	0.0	On Site	10-Jun-2014	Zone 2 - (Tidal Models)
36B	0.0	On Site	10-Jun-2014	Zone 2 - (Tidal Models)
37I	0.0	On Site	10-Jun-2014	Zone 2 - (Tidal Models)
38A	0.0	On Site	10-Jun-2014	Zone 2 - (Tidal Models)
39A	0.0	On Site	10-Jun-2014	Zone 2 - (Tidal Models)
40D	0.0	On Site	10-Jun-2014	Zone 2 - (Tidal Models)
41	0.0	On Site	10-Jun-2014	Zone 2 - (Fluvial / Tidal Models)
42A	0.0	SE	10-Jun-2014	Zone 2 - (Fluvial Models)
43A	1.0	SE	10-Jun-2014	Zone 2 - (Tidal Models)
44A	6.0	SE	10-Jun-2014	Zone 2 - (Fluvial Models)
45G	8.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
46J	10.0	SE	10-Jun-2014	Zone 2 - (Fluvial Models)
47K	13.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
48J	15.0	SE	10-Jun-2014	Zone 2 - (Tidal Models)
49J	16.0	SE	10-Jun-2014	Zone 2 - (Tidal Models)
50J	17.0	SE	10-Jun-2014	Zone 2 - (Fluvial Models)
51A	19.0	SE	10-Jun-2014	Zone 2 - (Fluvial Models)

ID	Distance (m)	Direction	Update	Type
52J	21.0	SE	10-Jun-2014	Zone 2 - (Fluvial Models)
53L	21.0	SE	10-Jun-2014	Zone 2 - (Fluvial Models)
54J	22.0	SE	10-Jun-2014	Zone 2 - (Tidal Models)
55J	23.0	SE	10-Jun-2014	Zone 2 - (Tidal Models)
56K	24.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
57J	24.0	SE	10-Jun-2014	Zone 2 - (Fluvial Models)
58D	24.0	SE	10-Jun-2014	Zone 2 - (Fluvial Models)
59J	25.0	SE	10-Jun-2014	Zone 2 - (Tidal Models)
60BY	25.0	SE	10-Jun-2014	Zone 2 - (Fluvial Models)
61L	26.0	SE	10-Jun-2014	Zone 2 - (Tidal Models)
62A	27.0	SE	10-Jun-2014	Zone 2 - (Tidal Models)
63T	30.0	SE	10-Jun-2014	Zone 2 - (Tidal Models)
64V	32.0	SE	10-Jun-2014	Zone 2 - (Tidal Models)
65K	33.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
66K	38.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
67L	39.0	SE	10-Jun-2014	Zone 2 - (Tidal Models)
68K	41.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
69O	48.0	E	10-Jun-2014	Zone 2 - (Fluvial Models)
70M	57.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
71M	60.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
72M	61.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
73N	61.0	SE	10-Jun-2014	Zone 2 - (Fluvial Models)
74N	63.0	SE	10-Jun-2014	Zone 2 - (Fluvial Models)
75L	63.0	SE	10-Jun-2014	Zone 2 - (Fluvial Models)
76N	63.0	SE	10-Jun-2014	Zone 2 - (Tidal Models)
77R	65.0	SE	10-Jun-2014	Zone 2 - (Tidal Models)
78M	67.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
79O	70.0	E	10-Jun-2014	Zone 2 - (Fluvial Models)
80O	70.0	E	10-Jun-2014	Zone 2 - (Tidal Models)
81W	73.0	SE	10-Jun-2014	Zone 2 - (Tidal Models)
82O	73.0	E	10-Jun-2014	Zone 2 - (Tidal Models)

ID	Distance (m)	Direction	Update	Type
83O	73.0	E	10-Jun-2014	Zone 2 - (Fluvial Models)
84O	73.0	E	10-Jun-2014	Zone 2 - (Tidal Models)
85S	73.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
86AB	74.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
87P	76.0	SE	10-Jun-2014	Zone 2 - (Tidal Models)
88P	77.0	SE	10-Jun-2014	Zone 2 - (Fluvial Models)
89M	77.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
90M	80.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
91P	80.0	SE	10-Jun-2014	Zone 2 - (Tidal Models)
92M	81.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
93Q	81.0	N	10-Jun-2014	Zone 2 - (Tidal Models)
94Q	83.0	N	10-Jun-2014	Zone 2 - (Tidal Models)
95X	85.0	E	10-Jun-2014	Zone 2 - (Tidal Models)
96R	86.0	E	10-Jun-2014	Zone 2 - (Fluvial Models)
97U	87.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
98Q	87.0	N	10-Jun-2014	Zone 2 - (Fluvial Models)
99Q	88.0	N	10-Jun-2014	Zone 2 - (Fluvial Models)
100R	88.0	E	10-Jun-2014	Zone 2 - (Fluvial / Tidal Models)
101S	88.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
102T	91.0	SE	10-Jun-2014	Zone 2 - (Tidal Models)
103U	91.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
104V	91.0	SE	10-Jun-2014	Zone 2 - (Fluvial Models)
105S	92.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
106S	92.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
107Q	92.0	N	10-Jun-2014	Zone 2 - (Tidal Models)
108W	92.0	SE	10-Jun-2014	Zone 2 - (Fluvial Models)
109V	93.0	E	10-Jun-2014	Zone 2 - (Fluvial Models)
110W	95.0	SE	10-Jun-2014	Zone 2 - (Tidal Models)
111Q	95.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
112P	96.0	SE	10-Jun-2014	Zone 2 - (Fluvial Models)
113X	97.0	E	10-Jun-2014	Zone 2 - (Tidal Models)

ID	Distance (m)	Direction	Update	Type
114X	97.0	E	10-Jun-2014	Zone 2 - (Fluvial Models)
115A C	99.0	SE	10-Jun-2014	Zone 2 - (Tidal Models)
116X	100.0	E	10-Jun-2014	Zone 2 - (Tidal Models)
117Q	101.0	N	10-Jun-2014	Zone 2 - (Fluvial Models)
118X	101.0	E	10-Jun-2014	Zone 2 - (Fluvial Models)
119Q	103.0	N	10-Jun-2014	Zone 2 - (Tidal Models)
120Q	107.0	N	10-Jun-2014	Zone 2 - (Fluvial Models)
121X	107.0	E	10-Jun-2014	Zone 2 - (Fluvial / Tidal Models)
122Q	108.0	N	10-Jun-2014	Zone 2 - (Tidal Models)
123U	111.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
124Q	112.0	N	10-Jun-2014	Zone 2 - (Fluvial Models)
125Y	112.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
126U	114.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
127Y	114.0	N	10-Jun-2014	Zone 2 - (Tidal Models)
128U	115.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
129Q	119.0	N	10-Jun-2014	Zone 2 - (Fluvial Models)
130Y	119.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
131Z	120.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
132Z	120.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
133AE	121.0	N	10-Jun-2014	Zone 2 - (Tidal Models)
134Z	123.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
135Y	126.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
136Z	131.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
137Z	134.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
138A A	134.0	SE	10-Jun-2014	Zone 2 - (Tidal Models)
139A A	136.0	SE	10-Jun-2014	Zone 2 - (Fluvial Models)
140A A	137.0	SE	10-Jun-2014	Zone 2 - (Tidal Models)
141A B	138.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
142A A	139.0	SE	10-Jun-2014	Zone 2 - (Fluvial Models)
143Z	140.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
144Y	141.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)

ID	Distance (m)	Direction	Update	Type
145Y	142.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
146A A	142.0	SE	10-Jun-2014	Zone 2 - (Fluvial Models)
147Y	142.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
148A C	143.0	SE	10-Jun-2014	Zone 2 - (Fluvial Models)
149Z	143.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
150Z	143.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
151A A	144.0	SE	10-Jun-2014	Zone 2 - (Tidal Models)
152Z	145.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
153A C	147.0	SE	10-Jun-2014	Zone 2 - (Tidal Models)
154A C	148.0	SE	10-Jun-2014	Zone 2 - (Fluvial Models)
155Z	149.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
156Z	150.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
157AF	152.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
158A D	152.0	SE	10-Jun-2014	Zone 2 - (Tidal Models)
159A C	152.0	SE	10-Jun-2014	Zone 2 - (Tidal Models)
160A D	153.0	SE	10-Jun-2014	Zone 2 - (Tidal Models)
161A B	153.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
162A D	153.0	SE	10-Jun-2014	Zone 2 - (Fluvial Models)
163Y	155.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
164A B	156.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
165A A	157.0	SE	10-Jun-2014	Zone 2 - (Fluvial Models)
166AE	158.0	N	10-Jun-2014	Zone 2 - (Tidal Models)
167AF	158.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
168A G	159.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
169A D	159.0	SE	10-Jun-2014	Zone 2 - (Fluvial Models)
170A G	160.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
171A A	160.0	SE	10-Jun-2014	Zone 2 - (Tidal Models)
172AF	161.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
173A G	161.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
174AF	163.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
175A H	163.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)

ID	Distance (m)	Direction	Update	Type
176AF	164.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
177A H	169.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
178AF	170.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
179AF	173.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
180A G	175.0	NE	10-Jun-2014	Zone 2 - (Fluvial / Tidal Models)
181A A	175.0	SE	10-Jun-2014	Zone 2 - (Fluvial Models)
182AF	176.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
183A A	182.0	SE	10-Jun-2014	Zone 2 - (Tidal Models)
184AI	187.0	N	10-Jun-2014	Zone 2 - (Fluvial Models)
185A H	187.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
186A G	188.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
187A D	188.0	SE	10-Jun-2014	Zone 2 - (Fluvial Models)
188A H	190.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
189AI	192.0	N	10-Jun-2014	Zone 2 - (Tidal Models)
190A H	193.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
191AJ	193.0	SE	10-Jun-2014	Zone 2 - (Fluvial Models)
192AJ	195.0	SE	10-Jun-2014	Zone 2 - (Tidal Models)
193A H	196.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
194A H	197.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
195AJ	198.0	SE	10-Jun-2014	Zone 2 - (Fluvial Models)
196AJ	201.0	SE	10-Jun-2014	Zone 2 - (Tidal Models)
197AJ	202.0	SE	10-Jun-2014	Zone 2 - (Tidal Models)
198A H	203.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
199AJ	205.0	SE	10-Jun-2014	Zone 2 - (Fluvial Models)
200AJ	209.0	SE	10-Jun-2014	Zone 2 - (Tidal Models)
201AJ	209.0	SE	10-Jun-2014	Zone 2 - (Fluvial Models)
202A K	211.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
203AJ	212.0	SE	10-Jun-2014	Zone 2 - (Tidal Models)
204AJ	213.0	SE	10-Jun-2014	Zone 2 - (Fluvial Models)
205A K	217.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
206A M	219.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)

ID	Distance (m)	Direction	Update	Type
207AL	222.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
208A K	222.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
209A K	224.0	E	10-Jun-2014	Zone 2 - (Tidal Models)
210A K	225.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
211A N	227.0	N	10-Jun-2014	Zone 2 - (Fluvial Models)
212A K	229.0	E	10-Jun-2014	Zone 2 - (Fluvial Models)
213A K	232.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)
214AL	232.0	N	10-Jun-2014	Zone 2 - (Tidal Models)
215AL	237.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
216AL	247.0	NE	10-Jun-2014	Zone 2 - (Fluvial Models)
217AL	249.0	NE	10-Jun-2014	Zone 2 - (Tidal Models)

6.2 Zone 3 Flooding

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 1 – Environment Agency Flood Map for Planning.

Is the site within 250m of an Environment Agency Zone 3 floodplain?

Yes

The following floodplain records are represented as blue shading on the Flood Map:

ID	Distance (m)	Direction	Update	Type
501D	0.0	On Site	10-Jun-2014	Zone 3 - (Tidal Models)
502D	0.0	On Site	10-Jun-2014	Zone 3 - (Tidal Models)
503D	0.0	On Site	10-Jun-2014	Zone 3 - (Tidal Models)
504D	0.0	On Site	10-Jun-2014	Zone 3 - (Tidal Models)
505D	0.0	On Site	10-Jun-2014	Zone 3 - (Tidal Models)
506D	0.0	On Site	10-Jun-2014	Zone 3 - (Tidal Models)
507C	0.0	On Site	10-Jun-2014	Zone 3 - (Tidal Models)
508B	0.0	On Site	10-Jun-2014	Zone 3 - (Tidal Models)
509B	0.0	On Site	10-Jun-2014	Zone 3 - (Tidal Models)
510B	0.0	On Site	10-Jun-2014	Zone 3 - (Tidal Models)
511B	0.0	On Site	10-Jun-2014	Zone 3 - (Tidal Models)

ID	Distance (m)	Direction	Update	Type
512B	0.0	On Site	10-Jun-2014	Zone 3 - (Tidal Models)
513	0.0	On Site	10-Jun-2014	Zone 3 - (Tidal Models)
514B	0.0	On Site	10-Jun-2014	Zone 3 - (Tidal Models)
515A	0.0	On Site	10-Jun-2014	Zone 3 - (Tidal Models)
516BY	0.0	On Site	10-Jun-2014	Zone 3 - (Tidal Models)
517E	0.0	On Site	10-Jun-2014	Zone 3 - (Tidal Models)
518A	0.0	On Site	10-Jun-2014	Zone 3 - (Fluvial Models)
519B	0.0	On Site	10-Jun-2014	Zone 3 - (Fluvial Models)
520B	0.0	On Site	10-Jun-2014	Zone 3 - (Fluvial Models)
521B	0.0	On Site	10-Jun-2014	Zone 3 - (Fluvial Models)
522C	0.0	On Site	10-Jun-2014	Zone 3 - (Fluvial Models)
523C	0.0	On Site	10-Jun-2014	Zone 3 - (Fluvial Models)
524D	0.0	On Site	10-Jun-2014	Zone 3 - (Fluvial Models)
525D	0.0	On Site	10-Jun-2014	Zone 3 - (Fluvial Models)
526D	0.0	On Site	10-Jun-2014	Zone 3 - (Fluvial Models)
527D	0.0	On Site	10-Jun-2014	Zone 3 - (Fluvial Models)
528D	0.0	On Site	10-Jun-2014	Zone 3 - (Fluvial Models)
529H	0.0	On Site	10-Jun-2014	Zone 3 - (Fluvial Models)
530E	0.0	On Site	10-Jun-2014	Zone 3 - (Fluvial Models)
531E	0.0	On Site	10-Jun-2014	Zone 3 - (Fluvial Models)
532F	0.0	On Site	10-Jun-2014	Zone 3 - (Fluvial Models)
533G	0.0	On Site	10-Jun-2014	Zone 3 - (Fluvial Models)
534K	0.0	On Site	10-Jun-2014	Zone 3 - (Fluvial Models)
535B	0.0	On Site	10-Jun-2014	Zone 3 - (Fluvial Models)
536B	0.0	On Site	10-Jun-2014	Zone 3 - (Fluvial Models)
537B	0.0	On Site	10-Jun-2014	Zone 3 - (Fluvial Models)
538D	0.0	On Site	10-Jun-2014	Zone 3 - (Fluvial Models)
539E	0.0	On Site	10-Jun-2014	Zone 3 - (Fluvial Models)
540E	0.0	On Site	10-Jun-2014	Zone 3 - (Fluvial Models)
541K	0.0	On Site	10-Jun-2014	Zone 3 - (Fluvial Models)
542H	0.0	On Site	10-Jun-2014	Zone 3 - (Tidal Models)

ID	Distance (m)	Direction	Update	Type
543E	0.0	On Site	10-Jun-2014	Zone 3 - (Tidal Models)
544E	0.0	On Site	10-Jun-2014	Zone 3 - (Tidal Models)
545E	0.0	On Site	10-Jun-2014	Zone 3 - (Tidal Models)
546E	0.0	On Site	10-Jun-2014	Zone 3 - (Tidal Models)
547F	0.0	On Site	10-Jun-2014	Zone 3 - (Tidal Models)
548G	0.0	On Site	10-Jun-2014	Zone 3 - (Tidal Models)
549K	0.0	On Site	10-Jun-2014	Zone 3 - (Tidal Models)
550A	0.0	On Site	10-Jun-2014	Zone 3 - (Fluvial Models)
551	0.0	On Site	10-Jun-2014	Zone 3 - (Fluvial / Tidal Models)
552	0.0	On Site	10-Jun-2014	Zone 3 - (Tidal Models)
553A	0.0	SE	10-Jun-2014	Zone 3 - (Fluvial Models)
554A	1.0	SE	10-Jun-2014	Zone 3 - (Tidal Models)
555BY	6.0	SE	10-Jun-2014	Zone 3 - (Fluvial Models)
556A	10.0	SE	10-Jun-2014	Zone 3 - (Fluvial Models)
557G	10.0	E	10-Jun-2014	Zone 3 - (Fluvial Models)
558X	11.0	SE	10-Jun-2014	Zone 3 - (Tidal Models)
559BY	13.0	SE	10-Jun-2014	Zone 3 - (Fluvial Models)
560A	15.0	SE	10-Jun-2014	Zone 3 - (Tidal Models)
561A	17.0	SE	10-Jun-2014	Zone 3 - (Fluvial Models)
562K	18.0	NE	10-Jun-2014	Zone 3 - (Tidal Models)
563T	19.0	SE	10-Jun-2014	Zone 3 - (Fluvial Models)
564A	19.0	SE	10-Jun-2014	Zone 3 - (Tidal Models)
565M	21.0	NE	10-Jun-2014	Zone 3 - (Fluvial Models)
566W	21.0	SE	10-Jun-2014	Zone 3 - (Fluvial Models)
567A	22.0	SE	10-Jun-2014	Zone 3 - (Tidal Models)
568A	23.0	SE	10-Jun-2014	Zone 3 - (Fluvial Models)
569D	24.0	SE	10-Jun-2014	Zone 3 - (Fluvial Models)
570C	24.0	SE	10-Jun-2014	Zone 3 - (Fluvial Models)
571BY	25.0	SE	10-Jun-2014	Zone 3 - (Fluvial Models)
572W	26.0	SE	10-Jun-2014	Zone 3 - (Tidal Models)
573BY	27.0	SE	10-Jun-2014	Zone 3 - (Tidal Models)

ID	Distance (m)	Direction	Update	Type
574C	28.0	SE	10-Jun-2014	Zone 3 - (Fluvial / Tidal Models)
575C	29.0	SE	10-Jun-2014	Zone 3 - (Tidal Models)
576C	30.0	SE	10-Jun-2014	Zone 3 - (Fluvial Models)
577B	35.0	SE	10-Jun-2014	Zone 3 - (Tidal Models)
578B	35.0	E	10-Jun-2014	Zone 3 - (Fluvial Models)
579W	36.0	SE	10-Jun-2014	Zone 3 - (Tidal Models)
580O	48.0	E	10-Jun-2014	Zone 3 - (Fluvial Models)
581W	48.0	SE	10-Jun-2014	Zone 3 - (Fluvial Models)
582M	49.0	NE	10-Jun-2014	Zone 3 - (Fluvial Models)
583W	50.0	SE	10-Jun-2014	Zone 3 - (Tidal Models)
584P	54.0	E	10-Jun-2014	Zone 3 - (Tidal Models)
585P	58.0	E	10-Jun-2014	Zone 3 - (Fluvial Models)
586P	65.0	E	10-Jun-2014	Zone 3 - (Tidal Models)
587P	67.0	E	10-Jun-2014	Zone 3 - (Tidal Models)
588P	70.0	E	10-Jun-2014	Zone 3 - (Fluvial Models)
589M	70.0	NE	10-Jun-2014	Zone 3 - (Tidal Models)
590A C	73.0	SE	10-Jun-2014	Zone 3 - (Tidal Models)
591P	73.0	SE	10-Jun-2014	Zone 3 - (Fluvial Models)
592Z	74.0	NE	10-Jun-2014	Zone 3 - (Fluvial Models)
593W	74.0	SE	10-Jun-2014	Zone 3 - (Fluvial Models)
594P	74.0	SE	10-Jun-2014	Zone 3 - (Fluvial Models)
595P	76.0	SE	10-Jun-2014	Zone 3 - (Tidal Models)
596P	76.0	SE	10-Jun-2014	Zone 3 - (Tidal Models)
597M	76.0	NE	10-Jun-2014	Zone 3 - (Fluvial Models)
598P	77.0	SE	10-Jun-2014	Zone 3 - (Fluvial Models)
599M	77.0	NE	10-Jun-2014	Zone 3 - (Tidal Models)
600A A	78.0	SE	10-Jun-2014	Zone 3 - (Tidal Models)
601M	78.0	NE	10-Jun-2014	Zone 3 - (Fluvial Models)
602M	82.0	NE	10-Jun-2014	Zone 3 - (Tidal Models)
603A A	87.0	SE	10-Jun-2014	Zone 3 - (Fluvial Models)
604A A	89.0	SE	10-Jun-2014	Zone 3 - (Tidal Models)

ID	Distance (m)	Direction	Update	Type
605	91.0	NW	10-Jun-2014	Zone 3 - (Tidal Models)
606M	91.0	NE	10-Jun-2014	Zone 3 - (Tidal Models)
607M	94.0	NE	10-Jun-2014	Zone 3 - (Fluvial Models)
608M	95.0	NE	10-Jun-2014	Zone 3 - (Tidal Models)
609U	100.0	NE	10-Jun-2014	Zone 3 - (Fluvial Models)
610Z	111.0	NE	10-Jun-2014	Zone 3 - (Tidal Models)
611Z	120.0	NE	10-Jun-2014	Zone 3 - (Fluvial Models)
612A D	149.0	SE	10-Jun-2014	Zone 3 - (Fluvial Models)
613A D	151.0	SE	10-Jun-2014	Zone 3 - (Tidal Models)
614A A	152.0	SE	10-Jun-2014	Zone 3 - (Fluvial Models)
615A D	152.0	SE	10-Jun-2014	Zone 3 - (Fluvial Models)
616A A	155.0	SE	10-Jun-2014	Zone 3 - (Tidal Models)
617A D	156.0	SE	10-Jun-2014	Zone 3 - (Tidal Models)
618A A	162.0	SE	10-Jun-2014	Zone 3 - (Fluvial Models)
619Z	163.0	NE	10-Jun-2014	Zone 3 - (Fluvial Models)
620Z	164.0	NE	10-Jun-2014	Zone 3 - (Tidal Models)
621A K	180.0	NE	10-Jun-2014	Zone 3 - (Fluvial Models)
622A H	184.0	NE	10-Jun-2014	Zone 3 - (Tidal Models)
623	192.0	NE	10-Jun-2014	Zone 3 - (Fluvial Models)
624BZ	207.0	NE	10-Jun-2014	Zone 3 - (Tidal Models)
625BZ	210.0	NE	10-Jun-2014	Zone 3 - (Fluvial Models)
626A K	223.0	NE	10-Jun-2014	Zone 3 - (Tidal Models)
627A K	226.0	NE	10-Jun-2014	Zone 3 - (Fluvial Models)
628A K	227.0	NE	10-Jun-2014	Zone 3 - (Tidal Models)
629A K	233.0	NE	10-Jun-2014	Zone 3 - (Fluvial Models)
630A K	237.0	NE	10-Jun-2014	Zone 3 - (Tidal Models)
631A K	240.0	NE	10-Jun-2014	Zone 3 - (Fluvial Models)
632A K	241.0	NE	10-Jun-2014	Zone 3 - (Tidal Models)
633BZ	243.0	NE	10-Jun-2014	Zone 3 - (Tidal Models)
634BZ	246.0	NE	10-Jun-2014	Zone 3 - (Fluvial Models)
635A K	247.0	NE	10-Jun-2014	Zone 3 - (Fluvial Models)

6.3 Flood Defences

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

Database searched and no data found.

6.4 Areas benefiting from Flood Defences

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

6.5 Areas benefiting from Flood Storage

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

6.6 Groundwater Flooding Susceptibility Areas

6.6.1 Are there any British Geological Survey groundwater flooding susceptibility areas within 50m of the boundary of the study site?

Yes

Does this relate to Clearwater Flooding or Superficial Deposits Flooding? Superficial Deposits Flooding

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).

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

Potential at Surface

Where potential for groundwater flooding to occur at surface is indicated, this means that given the geological conditions in the area groundwater flooding hazard should be considered in all land-use planning decisions. It is recommended that other relevant information e.g. records of previous incidence of groundwater flooding, rainfall, property type, and land drainage information be investigated in order to establish relative, but not absolute, risk of groundwater flooding.

6.7 Groundwater Flooding Confidence Areas

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

High

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.















7. Designated Environmentally Sensitive Sites Map



Map Legend

Mapping sourced from 

© Crown copyright and database rights 2013. Ordnance Survey license 100035207.

-  Site Outline
-  SAC
-  SSSI
-  NNR
-  World Heritage Sites
-  Areas of Outstanding Natural Beauty
-  SPA
-  Ramsar
-  LNR
-  Environmentally Sensitive Areas
-  Nitrate Vulnerable Zones
-  Nitrate Sensitive Areas
-  National Parks
-  Ancient Woodlands



7. Designated Environmentally Sensitive Sites

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

7.1 Records of Sites of Special Scientific Interest (SSSI) within 2000m of the study site: 2

The following Site of Special Scientific Interest (SSSI) records provided by Natural England/Countryside Council for Wales and Scottish Natural Heritage are represented as polygons on the Designated Environmentally Sensitive Sites Map:

ID	Distance (m)	Direction	SSSI Name	Data Source
1	8.0	SE	Hayes Point To Bendrick Rock	Countryside Council for Wales
2	597.0	SW	Barry Island	Countryside Council for Wales

7.2 Records of National Nature Reserves (NNR) within 2000m of the study site: 0

Database searched and no data found.

7.3 Records of Special Areas of Conservation (SAC) within 2000m of the study site: 0

Database searched and no data found.

7.4 Records of Special Protection Areas (SPA) within 2000m of the study site: 0

Database searched and no data found.

7.5 Records of Ramsar sites within 2000m of the study site: 0

Database searched and no data found.

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

1

The following Ancient Woodland records are supplied by English Nature/Scottish Natural Heritage/Countryside Council for Wales and are represented as polygons on the Designated Environmentally Sensitive Sites Map:

ID	Distance (m)	Direction	Ancient Woodland Name	Data Source
3	344.0	SE	COED-YR-HAYES	Ancient and Semi-Natural Woodland

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.



8. Natural Hazards Findings

8.1 Detailed BGS GeoSure Data

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

8.1.1 Shrink Swell

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

Very Low

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

Hazard

Ground conditions predominantly low plasticity. No special actions required to avoid problems due to shrink-swell clays. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with shrink-swell clays.

8.1.2 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.

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

8.1.3 Soluble Rocks

What is the maximum Soluble Rocks* 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

Significant soluble rocks are present. Low possibility of subsidence occurring naturally, but may be possible in adverse conditions such as high surface or subsurface water flow. Consider implications for stability when changes to drainage or new construction are planned. For new build site investigation should consider potential for dissolution problems on the site and its surroundings. Care should be taken with local drainage into the bedrock. Some possibility groundwater pollution. For existing property possible increase in insurance risk due to soluble rocks.

8.1.4 Compressible Ground

What is the maximum Compressible Ground* 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

Significant potential for compressibility problems. Avoid large differential loadings of ground. Do not drain or de-water ground near the property without technical advice. For new build consider possibility of compressible ground in ground investigation, construction and building design. Consider effects of groundwater changes. Extra construction costs are likely. For existing property possible increase in insurance risk from compressibility, especially if water conditions or loading of the ground change significantly.

8.1.5 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.

8.1.6 Running Sand

What is the maximum Running Sand** 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

Significant potential for running sand problems with relatively small changes in ground conditions. Avoid large amounts of water entering the ground (for example through pipe leakage or soak-aways). Do not dig (deep) holes into saturated ground near the property without technical advice. For new build consider the consequences of soil and groundwater conditions during and after construction. For existing property possible increase in insurance risk from running sand, for example, due to water leakage, high rainfall events or flooding.

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



9. Mining

9.1 Coal Mining

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

No

Database searched and no data found.

9.2 Shallow Mining

What is the subsidence hazard relating to shallow mining on-site*?

Negligible

*Please note this data is searched with a 150m buffer.

9.3 Brine Affected Areas

Are there any brine affected areas within 75m of the study site?

No

Guidance: No Guidance Required.

Contact Details

GroundSure Helpline
Telephone: 08444 159 000
info@groundsure.com



British Geological Survey Enquiries

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

BGS Geological Hazards Reports and general geological enquiries



Environment Agency

National Customer Contact Centre, PO Box 544
Rotherham, S60 1BY
Tel: 08708 506 506

Web: www.environment-agency.gov.uk
Email: enquiries@environment-agency.gov.uk



Public Health England

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



The Coal Authority

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



Ordnance Survey

Adanac Drive, Southampton
SO16 0AS
Tel: 08456 050505



Local Authority

Authority: Vale of Glamorgan Council
Phone: 01446 700111
Web: www.valeofglamorgan.gov.uk
Address: Civic Offices, Holton Road, Barry, CF63 4RU

Gemapping PLC

Virginia Villas, High Street, Hartley Witney,
Hampshire RG27 8NW
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, English Nature who retain the Copyright and Intellectual Property Rights for the data. PointX © Database Right/Copyright, Thomson Directories Limited © Copyright Link Interchange Network Limited © Database Right/Copyright and Ordnance Survey © Crown Copyright and/or Database Right. All Rights Reserved. Licence Number [03421028].
This report has been prepared in accordance with the GroundSure Ltd standard Terms and Conditions of business for work of this nature.

Standard Terms and Conditions

1 Definitions

In these terms and conditions unless the context otherwise requires:

“Beneficiary” means the person or entity for whose benefit the Client has obtained the Services.

“Client” means the party or parties entering into a Contract with GroundSure.

“Commercial” means any building or property which is not Residential.

“Confidential Information” means the contents of this Contract and all information received from the Client as a result of, or in connection with, this Contract other than

- (i) information which the Client can prove was rightfully in its possession prior to disclosure by GroundSure and
- (ii) any information which is in the public domain (other than by virtue of a breach of this Contract).

“Support Services” means Support Services provided by GroundSure including, without limitation, interpreting third party and in-house environmental data, providing environmental support advice, undertaking environmental audits and assessments, Site investigation, Site monitoring and related items.

“Contract” means the contract between GroundSure and the Client for the provision of the Services, and which shall incorporate these terms and conditions, the Order, and the relevant User Guide.

“Third Party Data Provider” means any third party providing Third Party Content to GroundSure.

“Data Reports” means reports comprising factual data with no accompanying interpretation.

“Fees” has the meaning set out in clause 5.1.

“GroundSure” means GroundSure Limited, a company registered in England and Wales under number 03421028.

“GroundSure Materials” means all materials prepared by GroundSure and provided as part of the Services, including but not limited to Third Party Content, Data Reports, Mapping, and Risk Screening Reports.

“Intellectual Property” means any patent, copyright, design rights, trade or service mark, moral rights, data protection rights, know-how or trade mark in each case whether registered or not and including applications for the same or any other rights of a similar nature anywhere in the world.

“Mapping” means a map, map data or a combination of historical maps of various ages, time periods and scales.

“Order” means an electronic, written or other order form submitted by the Client requesting Services from GroundSure in respect of a specified Site.

“Ordnance Survey” means the Secretary of State for Business, Innovation and Skills, acting through Ordnance Survey, Adanac Drive, Southampton, SO16 0AS, UK.

“Order Website” means the online platform through which Orders may be placed by the Client and accepted by GroundSure.

“Report” means a Risk Screening Report or Data Report for Commercial or Residential property.

“Residential” means any building or property used as or intended to be used as a single dwelling.

“Risk Screening Report” means a risk screening report comprising factual data with an accompanying interpretation by GroundSure.

“Services” means any Report, Mapping and/or Support Services which GroundSure has agreed to provide by accepting an Order pursuant to clause 2.6.

“Site” means the area of land in respect of which the Client has requested GroundSure to provide the Services.

“Third Party Content” means data, database information or other information which is provided to GroundSure by a Third Party Data Provider.

“User Guide” means the user guide, as amended from time to time, available upon request from GroundSure and on the website (www.GroundSure.com) and forming part of this Contract.

2 Scope of Services, terms and conditions, requests for insurance and quotations

2.1 GroundSure agrees to provide the Services in accordance with the Contract.

2.2 GroundSure shall exercise reasonable skill and care in the provision of the Services.

2.3 Subject to clause 7.3 the Client acknowledges that it has not relied on any statement or representation made by or on behalf of GroundSure which is not set out and expressly agreed in writing in the Contract and all such statements and representations are hereby excluded to the fullest extent permitted by law.

2.4 The Client acknowledges that terms and conditions appearing on a Client's order form, printed stationery or other communication, or any terms or conditions

implied by custom, practice or course of dealing shall be of no effect, and that this Contract shall prevail over all others in relation to the Order.

2.5 If the Client or Beneficiary requests insurance in conjunction with or as a result of the Services, GroundSure shall use reasonable endeavours to recommend such insurance, but makes no warranty that such insurance shall be available from insurers or that it will be offered on reasonable terms. Any insurance purchased by the Client or Beneficiary shall be subject solely to the terms of the policy issued by insurers and GroundSure will have no liability therefor. In addition you acknowledge and agree that GroundSure does not act as an agent or broker for any insurance providers. The Client should take (and ensure that the Beneficiary takes) independent advice to ensure that the insurance policy requested or offered is suitable for its requirements.

2.6 GroundSure's quotations or proposals are valid for a period of 30 days only unless an alternative period of time is explicitly stipulated by GroundSure. GroundSure reserves the right to withdraw any quotation or proposal at any time before an Order is accepted by GroundSure. GroundSure's acceptance of an Order shall be binding only when made in writing and signed by GroundSure's authorised representative or when accepted through the Order Website.

3 The Client's obligations

3.1 The Client shall comply with the terms of this Contract and

- (i) procure that the Beneficiary or any third party relying on the Services complies with and acts as if it is bound by the Contract and
- (ii) be liable to GroundSure for the acts and omissions of the Beneficiary or any third party relying on the Services as if such acts and omissions were those of the Client.

3.2 The Client shall be solely responsible for ensuring that the Services are appropriate and suitable for its and/or the Beneficiary's needs.

3.3 The Client shall supply to GroundSure as soon as practicable and without charge all requisite information (and the Client warrants that such information is accurate, complete and appropriate), including without limitation any environmental information relating to the Site and shall give such assistance as GroundSure shall reasonably require in the provision of the Services including, without limitation, access to the Site, facilities and equipment.

3.4 Where the Client's approval or decision is required to enable GroundSure to carry out work in order to provide the Services, such approval or decision shall be given or procured in reasonable time and so as not to delay or disrupt the performance of the Services.

3.5 Save as expressly permitted by this Contract the Client shall not, and shall procure that the Beneficiary shall not, re-sell, alter, add to, or amend the GroundSure Materials, or use the GroundSure Materials in a manner for which they were not intended. The Client may make the GroundSure Materials available to a third party who is considering acquiring some or all of, or providing funding in relation to, the Site, but such third party cannot rely on the same unless expressly permitted under clause 4.

3.6 The Client is responsible for maintaining the confidentiality of its user name and password if using the Order Website and the Client acknowledges that GroundSure accepts no liability of any kind for any loss or damage suffered by the Client as a consequence of using the Order Website.

4 Reliance

4.1 The Client acknowledges that the Services provided by GroundSure consist of the presentation and analysis of Third Party Content and other content and that information obtained from a Third Party Data Provider cannot be guaranteed or warranted by GroundSure to be reliable.

4.2 In respect of Data Reports, Mapping and Risk Screening Reports, the following classes of person and no other are entitled to rely on their contents;

- (i) the Beneficiary,
- (ii) the Beneficiary's professional advisers, (iii) any person providing funding to the Beneficiary in relation to the Site (whether directly or as part of a lending syndicate),
- (iv) the first purchaser or first tenant of the Site, and
- (v) the professional advisers and lenders of the first purchaser or tenant of the Site.

4.3 In respect of Support Services, only the Client, Beneficiary and parties expressly named in a Report and no other parties are entitled to rely on its contents.

4.4 Save as set out in clauses 4.2 and 4.3 and unless otherwise expressly agreed in writing, no other person or entity of any kind is entitled to rely on any Services or Report issued or provided by GroundSure. Any party considering such Reports and Services does so at their own risk.

5 Fees and Disbursements

5.1 GroundSure shall charge and the Client shall pay fees at the rate and frequency specified in the written proposal, Order Website or Order acknowledgement form, plus (in the case of Support Services) all proper disbursements incurred by GroundSure. The Client shall in addition pay all value added tax or other tax payable on such fees and disbursements in relation to the provision of the Services (together “Fees”).

5.2 The Client shall pay all outstanding Fees to GroundSure in full without deduction, counterclaim or set off within 30 days of the date of GroundSure's invoice or such other period as may be agreed in writing between GroundSure and the Client ("Payment Date"). Interest on late payments will accrue on a daily basis from the Payment Date until the date of payment (whether before or after judgment) at the rate of 8% per annum.

5.3 The Client shall be deemed to have agreed the amount of any invoice unless an objection is made in writing within 28 days of the date of the invoice. As soon as reasonably practicable after being notified of an objection, without prejudice to clause 5.2 a member of GroundSure's management team will contact the Client and the parties shall then use all reasonable endeavours to resolve the dispute within 15 days.

6 Intellectual Property and Confidentiality

6.1 Subject to

(i) full payment of all relevant Fees and

(ii) compliance with this Contract, the Client is granted (and is permitted to sub-licence to the Beneficiary) a royalty-free, worldwide, non-assignable and (save to the extent set out in this Contract) non-transferable licence to make use of the GroundSure Materials.

6.2 All Intellectual Property in the GroundSure Materials are and shall remain owned by GroundSure or GroundSure's licensors (including without limitation the Third Party Data Providers) the Client acknowledges, and shall procure acknowledgement by the Beneficiary of, such ownership. Nothing in this Contract purports to transfer or assign any rights to the Client or the Beneficiary in respect of such Intellectual Property.

6.3 Third Party Data Providers may enforce any breach of clauses 6.1 and 6.2 against the Client or Beneficiary.

6.4 The Client shall, and shall procure that any recipients of the GroundSure Materials shall:

(i) not remove, suppress or modify any trade mark, copyright or other proprietary marking belonging to GroundSure or any third party from the Services;

(ii) use the information obtained as part of the Services in respect of the subject Site only, and shall not store or reuse any information obtained as part of the Services provided in respect of adjacent or nearby sites;

(iii) not create any product or report which is derived directly or indirectly from the Services (save that those acting in a professional capacity to the Beneficiary may provide advice based upon the Services);

(iv) not combine the Services with or incorporate such Services into any other information data or service;

(v) not reformat or otherwise change (whether by modification, addition or enhancement), the Services (save that those acting for the Beneficiary in a professional capacity shall not be in breach of this clause 6.4(v) where such reformatting is in the normal course of providing advice based upon the Services);

(vi) where a Report and/or Mapping contains material belonging to Ordnance Survey, acknowledge and agree that such content is protected by Crown Copyright and shall not use such content for any purpose outside of receiving the Services; and

(vii) not copy in whole or in part by any means any map prints or run-on copies containing content belonging to Ordnance Survey (other than that contained within Ordnance Survey's OS Street Map) without first being in possession of a valid Paper Map Copying Licence from Ordnance Survey,

6.5 Notwithstanding clause 6.4, the Client may make reasonable use of the GroundSure Materials in order to advise the Beneficiary in a professional capacity. However, GroundSure shall have no liability in respect of any advice, opinion or report given or provided to Beneficiaries by the Client.

6.6 The Client shall procure that any person to whom the Services are made available shall notify GroundSure of any request or requirement to disclose, publish or disseminate any information contained in the Services in accordance with the Freedom of Information Act 2000, the Environmental Information Regulations 2004 or any associated legislation or regulations in force from time to time.

7. Liability: Particular Attention Should Be Paid To This Clause

7.1 This Clause 7 sets out the entire liability of GroundSure, including any liability for the acts or omissions of its employees, agents, consultants, subcontractors and Third Party Content, in respect of:

(i) any breach of contract, including any deliberate breach of the Contract by GroundSure or its employees, agents or subcontractors;

(ii) any use made of the Reports, Services, Materials or any part of them; and

(iii) any representation, statement or tortious act or omission (including negligence) arising under or in connection with the Contract.

7.2 All warranties, conditions and other terms implied by statute or common law are, to the fullest extent permitted by law, excluded from the Contract.

7.3 Nothing in the Contract limits or excludes the liability of the Supplier for death

or personal injury resulting from negligence, or for any damage or liability incurred by the Client or Beneficiary as a result of fraud or fraudulent misrepresentation.

7.4 GroundSure shall not be liable for

(i) loss of profits;

(ii) loss of business;

(iii) depletion of goodwill and/or similar losses;

(iv) loss of anticipated savings;

(v) loss of goods;

(vi) loss of contract;

(vii) loss of use;

(viii) loss or corruption of data or information;

(ix) business interruption;

(x) any kind of special, indirect, consequential or pure economic loss, costs, damages, charges or expenses;

(xi) loss or damage that arise as a result of the use of all or part of the GroundSure Materials in breach of the Contract;

(xii) loss or damage arising as a result of any error, omission or inaccuracy in any part of the GroundSure Materials where such error, omission or inaccuracy is caused by any Third Party Content or any reasonable interpretation of Third Party Content;

(xiii) loss or damage to a computer, software, modem, telephone or other property; and

(xiv) loss or damage caused by a delay or loss of use of GroundSure's internet ordering service.

7.5 GroundSure's total liability in relation to or under the Contract shall be limited to £10 million for any claim or claims.

7.6 GroundSure shall procure that the Beneficiary shall be bound by limitations and exclusions of liability in favour of GroundSure which accord with those detailed in clauses 7.4 and 7.5 (subject to clause 7.3) in respect of all claims which the Beneficiary may bring against GroundSure in relation to the Services or other matters arising pursuant to the Contract.

8 GroundSure's right to suspend or terminate

8.1 If GroundSure reasonably believes that the Client or Beneficiary has not provided the information or assistance required to enable the proper provision of the Services, GroundSure shall be entitled to suspend all further performance of the Services until such time as any such deficiency has been made good.

8.2 GroundSure shall be entitled to terminate the Contract immediately on written notice in the event that:

(i) the Client fails to pay any sum due to GroundSure within 30 days of the Payment Date; or

(ii) the Client (being an individual) has a bankruptcy order made against him or (being a company) shall enter into liquidation whether compulsory or voluntary or have an administration order made against it or if a receiver shall be appointed over the whole or any part of its property assets or undertaking or if the Client is struck off the Register of Companies or dissolved; or

(iii) the Client being a company is unable to pay its debts within the meaning of Section 123 of the Insolvency Act 1986 or being an individual appears unable to pay his debts within the meaning of Section 268 of the Insolvency Act 1986 or if the Client shall enter into a composition or arrangement with the Client's creditors or shall suffer distress or execution to be levied on his goods; or

(iv) the Client or the Beneficiary breaches any term of the Contract (including, but not limited to, the obligations in clause 4) which is incapable of remedy or if remediable, is not remedied within five days of notice of the breach.

9. Client's Right to Terminate and Suspend

9.1 Subject to clause 10.1, the Client may at any time upon written notice terminate or suspend the provision of all or any of the Services.

9.2 In any event, where the Client is a consumer (and not a business) he/she hereby expressly acknowledges and agrees that:

(i) the supply of Services under this Contract (and therefore the performance of this Contract) commences immediately upon GroundSure's acceptance of the Order; and

(ii) the Reports and/or Mapping provided under this Contract are

(a) supplied to the Client's specification(s) and in any event

(b) by their nature cannot be returned.

10 Consequences of Withdrawal, Termination or Suspension

10.1 Upon termination of the Contract:

(i) GroundSure shall take steps to bring to an end the Services in an orderly manner, vacate any Site with all reasonable speed and shall deliver to the Client and/or Beneficiary any property of the Client and/or Beneficiary in

GroundSure's possession or control; and

(ii) the Client shall pay to GroundSure all and any Fees payable in respect of the performance of the Services up to the date of termination or suspension. In respect of any Support Services provided, the Client shall also pay GroundSure any additional costs incurred in relation to the termination or suspension of the Contract.

11 Anti-Bribery

11.1 The Client warrants that it shall:

(i) comply with all applicable laws, statutes and regulations relating to anti-bribery and anti-corruption including but not limited to the Bribery Act 2010;

(ii) comply with such of GroundSure's anti-bribery and anti-corruption policies as are notified to the Client from time to time; and

(iii) promptly report to GroundSure any request or demand for any undue financial or other advantage of any kind received by or on behalf of the Client in connection with the performance of this Contract.

11.2 Breach of this Clause 11 shall be deemed a material breach of this Contract.

12 General

12.1 The Mapping contained in the Services is protected by Crown copyright and must not be used for any purpose other than as part of the Services or as specifically provided in the Contract.

12.2 The Client shall be permitted to make one copy only of each Report or Mapping Order. Thereafter the Client shall be entitled to make unlimited copies of the Report or Mapping Order only in accordance with an Ordnance Survey paper map copy license available through GroundSure.

12.3 GroundSure reserves the right to amend or vary this Contract. No amendment or variation to this Contract shall be valid unless signed by an authorised representative of GroundSure.

12.4 No failure on the part of GroundSure to exercise, and no delay in exercising, any right, power or provision under this Contract shall operate as a waiver thereof.

12.5 Save as expressly provided in this Contract, no person other than the persons set out therein shall have any right under the Contract (Rights of Third Parties) Act 1999 to enforce any terms of the Contract.

12.6 The Secretary of State for Business, Innovation and Skills ("BIS") or BIS' successor body, as the case may be, acting through Ordnance Survey may enforce a breach of clause 6.4(vi) and clause 6.4(vii) of these terms and conditions against the Client in accordance with the provisions of the Contracts (Rights of Third Parties) Act 1999.

12.7 GroundSure shall not be liable to the Client if the provision of the Services is delayed or prevented by one or more of the following circumstances:

- (i) the Client or Beneficiary's failure to provide facilities, access or information;
- (ii) fire, storm, flood, tempest or epidemic;
- (iii) Acts of God or the public enemy;
- (iv) riot, civil commotion or war;
- (v) strikes, labour disputes or industrial action;
- (vi) acts or regulations of any governmental or other agency;
- (vii) suspension or delay of services at public registries by Third Party Data Providers;
- (viii) changes in law; or
- (ix) any other reason beyond GroundSure's reasonable control.

In the event that GroundSure is prevented from performing the Services (or any part thereof) in accordance with this clause 12.6 for a period of not less than 30 days then GroundSure shall be entitled to terminate this Contract immediately on written notice to the Client.

12.8 Any notice provided shall be in writing and shall be deemed to be properly given if delivered by hand or sent by first class post, facsimile or by email to the address, facsimile number or email address of the relevant party as may have been notified by each party to the other for such purpose or in the absence of such notification the last known address.

12.9 Such notice shall be deemed to have been received on the day of delivery if delivered by hand, facsimile or email (save to the extent such day is not a working day where it shall be deemed to have been delivered on the next working day) and on the second working day after the day of posting if sent by first class post.

12.10 The Contract constitutes the entire agreement between the parties and shall supersede all previous arrangements between the parties relating to the subject matter hereof.

12.11 Each of the provisions of the Contract is severable and distinct from the others and if one or more provisions is or should become invalid, illegal or unenforceable, the validity and enforceability of the remaining provisions shall not in any way be tainted or impaired.

12.12 This Contract shall be governed by and construed in accordance with English

law and any proceedings arising out of or connected with this Contract shall be subject to the exclusive jurisdiction of the English courts.

12.13 GroundSure is an executive member of the Council of Property Search Organisation (CoPSO) and has signed up to the Search Code administered by the Property Codes Compliance Board (PCCB). All Risk Screening Reports shall be supplied in accordance with the provisions of the Search Code.

12.14 If the Client or Beneficiary has a complaint about the Services, written notice should be given to the Compliance Officer at GroundSure who will respond in a timely manner.

12.15 The Client agrees that it shall, and shall procure that each Beneficiary shall, treat in confidence all Confidential Information and shall not, and shall procure that each Beneficiary shall not (i) disclose any Confidential Information to any third party other than in accordance with the terms of this Contract; and (ii) use Confidential Information for a purpose other than the exercise of its rights and obligations under this Contract. Subject to clause 6.6, nothing shall prevent the Client or any Beneficiary from disclosing Confidential Information to the extent required by law. © GroundSure Limited June 2013