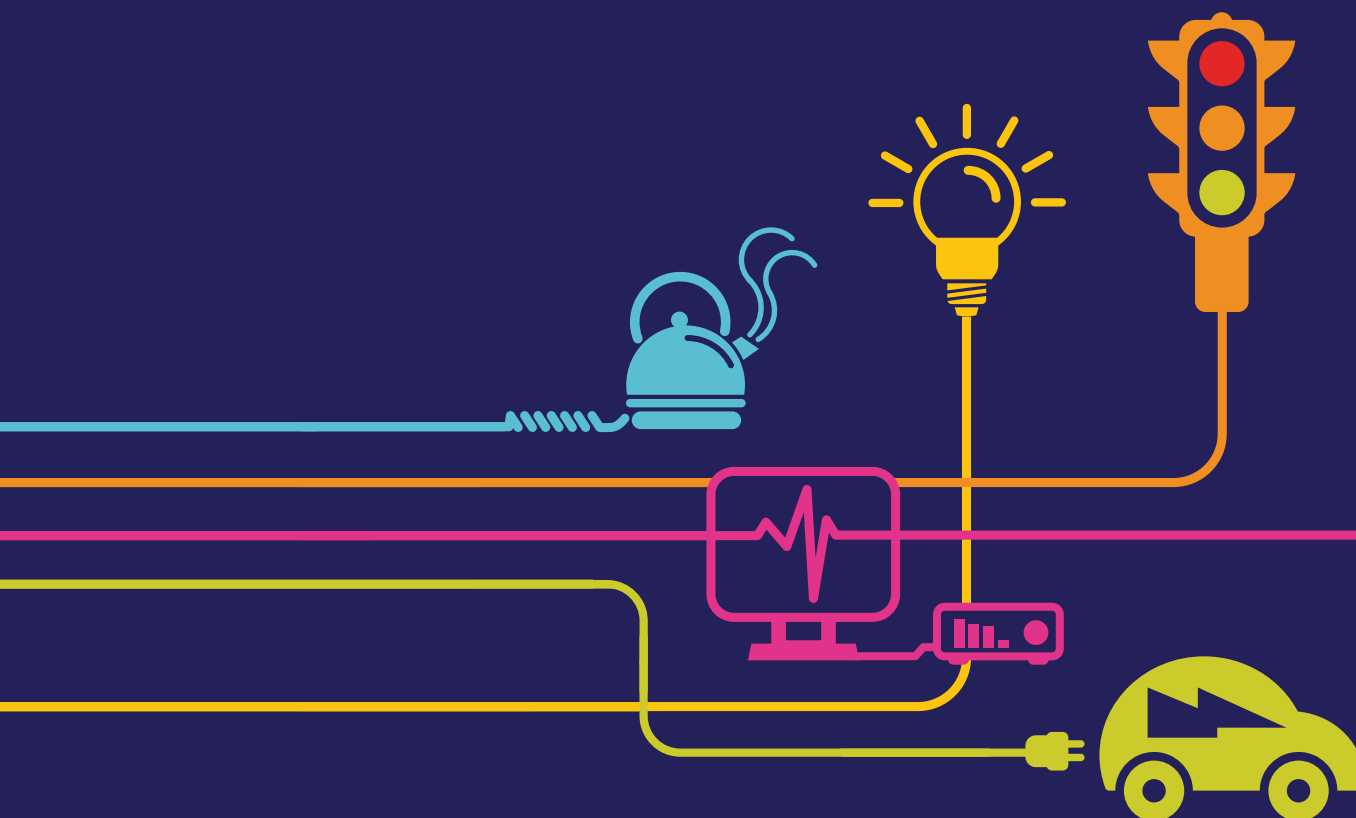


Environmental Statement Ground Environment Appendix 9G Part 1

Hinkley Point C Connection Project

*Regulation 5(2)(a) of the Infrastructure Planning
(Applications: Prescribed Forms and Procedure)
Regulations 2009*



Environmental Statement

Hinkley Point C Connection Project

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9K	Factual Report on Ground Investigation on New Electricity Substation at Sandford, Somerset

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Appendix 9G – Preliminary Risk Assessment - Section G



National Grid

Hinkley Point C to Seabank Grid Connection Project

Preliminary Risk Assessment – Section G Avonmouth

312318 – R7 (02)

MARCH 2014

RSK



RSK GENERAL NOTES

Project No.: 312318 – R7 (02)

Title: Hinkley Point C to Seabank Grid Connection Project, Section G Avonmouth, Preliminary Risk Assessment

Client: National Grid

Date: March 2014

Office: The Old School, Stillhouse Lane, Bedminster, Bristol, BS49 4AH

Status: Final

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Date: March 2014

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Date: March 2014

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Date: March 2014

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Date: March 2014

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Where field investigations have been carried out, these have been restricted to a level of detail required to achieve the stated objectives of the work.

This work has been undertaken in accordance with the quality management system of RSK Environment Ltd.

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EXECUTIVE SUMMARY

Site description and Proposed Development	The Proposed Development within Section G Avonmouth is to comprise: • Construction of a 400kV overhead line; • The removal of part of the G Route 132kV overhead line; • Construction of 132kV underground cables and CSEPP (G Route, BW Route, DA Route); • The BW Route (Option A - proposed route); • Extension to Seabank 400kV Substation; and • Modifications to Seabank 132kV Substation. Temporary 132kV overhead line diversions. At present, the final 400kV OHL route alignment through Royal Portbury Docks has not been determined. As such, two proposed routes have been considered, as an 'alternative' and 'preferred' option. This is restricted to the western bank of the River Avon Section G Avonmouth comprises the areas between Royal Portbury Docks in the west, west of the River Avon and the Seabank 400/132kV substation at Avonmouth in the east. The area comprises generally flat lying ground between 6m and 8m above Ordnance Datum (aOD). This is located between the M5/M49 motorways to the south and the Severn Estuary to the north. The River Avon is located within the western part of the development corridor. The development corridor is predominantly located within a commercial and industrial setting, including the port of Royal Portbury and Avonmouth. Avonmouth is a heavily industrialised zone with numerous manufacturing and process industries, marine port and docks, depots and works and incorporates the coastline between Avonmouth and Severn Beach. Hallen and Crook's marshes generally comprise low-lying fields used for agricultural purposes. The main population centres within this section of the route alignment include Portbury, Easton in Gordano, Pill, Shirehampton, Lawrence Weston, Avonmouth Village and Hallen.
Purpose of assessment	In accordance with the information provided at tender stage, this assessment was undertaken to provide an initial assessment of potential contamination on site and determine potentially complete pollutant linkages, if present. The report can be used as a technical baseline in support of a preliminary environmental impact (PEI) report and subsequent environmental statement (ES).
PRELIMINARY RISK ASSESSMENT	
Site walkover	A site walkover inspection was undertaken by RSK on 5 June 2013. The alignment of the G and BW routes and the proposed 400kV OHL trend approximately west to east towards Avonmouth and the Avonmouth 132/33kV substation. These cross industrial areas of Royal Portbury Docks and Avonmouth and are bounded to the south by the M5 motorway. The OHL's cross the River Avon and over-sail residential properties at Avonmouth Village.

	The proposed 400kV OHL would proceed around the perimeter of Avonmouth Docks, crossing wharfs, an aboveground conveyor belt before trending towards Hallen Marshes, north east of junction 18 of the M5/M49 motorways. The Avonmouth substation is located within a commercial./industrial setting with depots and warehouses in close proximity. The G and BW routes exit the substation along the eastern boundary and proceed over warehouses to Hallen and Crook's marshes before trending north to the Seabank 400/132kV substation. The route alignment crosses predominantly industrial land use with residential areas. On the marshes, the land use is dominated by agriculture. No Japanese Knotweed was identified in growth during the site walkover.
History of site and surrounding area	The remained largely un-developed since prior to the 1880 until circa the 1950s. The area comprise agricultural field with isolated farms and small population centres. Avonmouth Docks was present prior to the 1880 and continued development and expanding until present. This included the excavation of two docks and land reclamation from the Severn estuary. The surrounding area was developed with residential and commercial/industrial land uses between the 1950s and the 1980s. The area has been dominated by port activities.
Geology, hydrogeology and hydrology	Superficial deposits predominately comprise Tidal Flat Deposits across the majority of the development corridor. Small areas of Head Deposits, River Terrace Deposits 1 and peat are also located along the route corridor. The are generally classed as unproductive strata, secondary B aquifer. The River Terrace Deposits are designated as secondary A aquifer. Bedrock comprises the Mercia Mudstone Group consisting of mudstone and is designated a secondary B aquifer. No groundwater SPZ or potable water abstractions are located close to Section G. The River Avon crosses the development corridor and the Severn Estuary is located north of the development.
Potentially contaminative uses on site and in surrounding area	Several historic and current landfills are located in the vicinity of the development corridor. The Proposed Development crosses several of these landfills, which generally received inert, commercial and industrial waste. The proposed underground cable, east of the Avonmouth substation crosses through the former T Farm Landfill. Numerous commercial, light and heavy industrial activities have historically and are currently active within the development corridor. This includes petroleum bulk storage, chemical manufacture, mineral processing and many other heavy industrial processes. Previous intrusive investigations in the vicinity of the Proposed Development corridor have identified historic ground and groundwater contamination.
Conceptual model	No potentially complete pollutant linkages have been identified.
CONCLUSIONS AND RECOMMENDATIONS	
Environmental assessment	Potential risks to both controlled waters and human health from the Proposed Development are considered to be low.

	There is potential requirement to undertake ecological surveys owing to the rural setting of the site. There is the potential requirement to undertake flood risk assessment. There is the requirement to undertake a hydrological risk assessment. It is also recommended that during any geotechnical investigations consideration be given to undertaking contamination testing, sampling, monitoring to confirm the low to moderate risk rating. Suitable mitigation measures should be implemented to prevent ingress of surface water runoff or sediment arising through construction activity to the surface water drains and rhynes. Construction activities should additionally take other ecological constraints/considerations into account and implement appropriate mitigation measures for the protection of ecological receptors. An emergency response plan might be required to document procedures should an incident occur. Before any site operations are carried out the site should be inspected by an individual experienced in the recognition of Japanese Knotweed. If Japanese Knotweed is found to be present, adequate precautions must be employed to prevent its spread, in particular along water courses during construction and demolition activities.
Geotechnical assessment	Geotechnical desk studies of site ground conditions were undertaken by LSTC during November 2012 and by Card Geotechnics during January 2010. The geotechnical desk study reports should be read for further site-specific information. A geotechnical assessment of ground conditions was not undertaken as part of the RSK's scope of work. There may be the requirement for intrusive ground works to collect appropriate data to support concrete design for foundations of towers and other structures located along the development route, and in particular will be required to confirm ground stability issues associated with compressible ground hazards owing to the presence of soft strata along the Proposed Development route. It is also recommended that during such investigations consideration be given to undertaking contamination testing, sampling, monitoring to confirm the low to moderate risk rating in particular where construction may overlap with landfills. Risks from UXO are present within Section G Avonmouth. Potential risks should be considered during construction activities.
<i>The information given in this summary is necessarily incomplete, and is provided for initial briefing purposes only. The summary must not be used as a substitute for the full text of the report.</i>	

1 INTRODUCTION

RSK Environment Limited (RSK) was commissioned by TEP Limited (TEP), on behalf of National Grid (NG), to produce a preliminary risk assessment (PRA) relating to the ground environment. The PRA is in support of a preliminary environmental impact report (PEIR) and subsequent environmental statement (ES) relating to the Proposed Development of a grid connection between Hinkley Point C and Seabank substation.

The Proposed Development is to comprise the removal of an existing 132kV overhead line (OHL) between Bridgwater substation and Avonmouth substation, and the construction of a new 400kV connection, of approximately 54.4km length, between the proposed Hinkley Point C nuclear power facility and the existing Seabank substation, using a combination of OHL and underground cables. The Proposed Development includes modifications to existing OHL infrastructure and the construction of new substations / compounds and ancillary work, as detailed within Section 1.1.

This report is subject to the RSK service constraints given in Appendix A.

1.1 Background

On 16 April 2013, the Secretary of State (SoS) received a scoping report submitted by NG (the Applicant) under Regulation 8 of the Infrastructure Planning (Environmental Impact Assessment) Regulations 2009 (SI2263) (as amended) (the EIA Regulations) in order to request a scoping opinion for the Proposed Development. The applicant notified the SoS under Regulation 6(1)(b) of the EIA Regulations that it proposes to provide an ES in respect of the Proposed Development. In accordance with Regulation 4(2)(a) of the EIA Regulations, the Proposed Development requires an EIA.

The components of the development are summarised within Table 1.

Table 1: Proposed Development components

Proposed Development Component	Section(s)
400kV Overhead Line Construction of a new 400kV overhead line of approximately 4.5km from the existing Hinkley to Bridgwater 275kV overhead line on Horsey Level (which would be uprated to 400kV operation) to the existing Hinkley to Melksham 400kV overhead line north of Woolavington. Construction of a new 400kV overhead line of approximately 12.75km from the existing Hinkley to Melksham 400kV overhead line north of Woolavington to a proposed CSE compound south of the Mendip Hills and the River Axe.	A and B

Proposed Development Component	Section(s)
400kV Overhead Line Construction of a 400kV overhead line from the proposed Sandford Substation to Seabank Substation. In the Portishead/Portbury area two options are included within the Development Consent Order (DCO) application: National Grid's preferred route (Option A); and an alternative route (Option B). The total length of the preferred route is approximately 29.8km (Option A) and the alternative route is 31.2km (Option B).	D, E, F and G
Modifications to the Overhead Lines at Hinkley Point	H
CSE Compounds Two single circuit CSE compounds of approximately 34m by 30m are proposed on Horsey Level, north of Bridgwater. A double circuit CSE compound of approximately 65m by 40m is proposed adjacent and east of the M5 motorway to the south of the Mendip Hills and the River Axe.	A (Horsey Level) B (South of Mendip Hills)
400kV Underground Cables These comprise approximately 300m of underground cables between two single circuit CSE compounds on Horsey Level, north of Bridgwater and approximately 8.5km of underground cables between a CSE compound south of the Mendip Hills and the proposed Sandford Substation.	A (Horsey Level) B, C and D (between CSE compound and Sandford Substation)
Removal of Existing 132kV Overhead Lines - Approximately 53.2km of the existing overhead line (F and G Route) between Bridgwater and Avonmouth substations. - Approximately 8.7km of the existing overhead line (W Route) between Nailsea and Portishead Substation (to be replaced with 132kV underground cables). - Approximately 1.1km of the existing overhead line (AT Route) to the south of Puxton. - Approximately 400m of the existing overhead line (N Route) near Mead Lane, Sandford. - A short section of the existing overhead line (BW Route) between Portishead and Avonmouth to achieve a crossing of electrical circuits (to be replaced with 132kV underground cables). - Approximately 1.7km of existing overhead line (G Route) from the existing Avonmouth Substation northwards (to be replaced with 132kV underground cables). - A short section of three existing 132kV overhead lines (G, DA and BW Routes) in the vicinity of Seabank Substation to achieve a crossing of electrical circuits (to be replaced with 132kV underground cables).	A, B, C, D, E, F and G (F and G Route) D, E and F (W Route) D (AT and N Route) F and G (BW Routes) G (G Route) G (G, DA and BW Routes at Seabank)

Proposed Development Component	Section(s)
Sandford Substation	D
Construction of 132kV Overhead Lines 132kV overhead line connections are required between the proposed Sandford Substation and the existing overhead lines feeding Weston-super-Mare (AT Route) (2.3km) and Churchill (N Route) (285m) and between Churchill Substation and an existing overhead line that currently passes by the substation (264m).	D
Construction of 132kV Underground Cables - A short section of approximately 250m of underground cable (Y Route) to connect Churchill Substation with an existing overhead line that currently passes by the substation. - Approximately 700m of underground cables (AT Route) in the vicinity of the proposed Sandford substation. - Approximately 10km of underground cables (W Route) between Nailsea and Portishead Substation. - Approximately 2.3km of underground cables (G Route) between the existing Avonmouth substation and just south of the Bristol to Avonmouth railway line. - A short section of approximately 150m for Option A and 650m for Option B of underground cable (BW Route) to allow the 400kV overhead line to cross an existing 132kV overhead line to the north east of Portishead. - Three short sections of underground cable (G, DA and BW Routes) of between 150m and 300m to allow the 400kV overhead line to cross three existing 132kV overhead lines in the vicinity of Seabank Substation.	D (Y and AT Routes) D, E and F (W Route) F and G (BW Routes) G (G Route) G (G, DA and BW Routes at Seabank)
Seabank 400kV Substation Extension	G
Extensions/Modifications to Existing 132kV Substations Modifications are required to existing 132kV substations at Churchill, Portishead, Avonmouth and Seabank.	D (Churchill) F (Portishead) G (Avonmouth and Seabank)
Associated Works These include temporary masts and supports for overhead line construction, temporary and permanent access roads, modifications to the highway network and construction storage and working areas.	A, B, C, D, E, F, G and H

The proposed route for the new grid connection and associated work has been subdivided into nine sections. This report assesses the Proposed Development within Section G, defined as the grid connection between Portbury and the Seabank 400kV substation; the latter is the northernmost extent of the proposed route. Within Section G Avonmouth, west of the River Avon, there is both a preferred route and an alternative route for the proposed 400kV OHL. At the time of reporting no decision on the actual route had been made, although both routes have been assessed in this report.

All other Sections of the development are covered in separate standalone reports.

A summary of the proposed components within Section G Avonmouth are as follows:

- Construction of a 400kV overhead line;
- The removal of part of the G Route 132kV overhead line;
- Construction of 132kV underground cables and CSEPP (G Route, BW Route, DA Route);
- The BW Route (Option A - proposed route);
- Extension to Seabank 400kV Substation; and
- Modifications to Seabank 132kV Substation. Temporary 132kV overhead line diversions.

Two previous ground investigation reports have been made available to RSK for review. The primary purpose of these investigations was to identify ground conditions for geotechnical purposes and to provide an unexploded ordnance (UXO) survey. A summary of these investigations is presented within Section 2.3.

1.2 Objective and aims

The objective of the work is to provide an indication of potential contamination issues and other ground related constraints at the site.

The aim of this work is to undertake an assessment of the site and surrounding area in terms of history, environmental setting and potential sources of contamination, from which an initial conceptual site model (ICSM) can be produced. This report and ICSM are to be utilised as a baseline technical report for the PEIR and ES.

1.3 Scope

The scope of the investigation and layout of this report has been designed with consideration of CLR11 (Environment Agency, 2004a), BS 10175: 2011 (BSI, 2011), and National Planning Policy Framework (DCLG, 2012), plus guidance on land contamination reports issued by the Environment Agency (2010a). A summary of relevant legislation is included in Appendix B.

The project was carried out to an agreed brief, as set out in RSK's proposal (reference 110574, dated March 2013). The scope of works for the environmental assessment included:

- A preliminary risk assessment (PRA), to include a review of existing reports (if available), geological, hydrogeological and hydrological information, a commercially available environmental database and historical plans, correspondence with regulatory authorities, and a site walkover; this information is used to develop an

initial conceptual site model (ICSM) to consider any potentially complete pollutant linkages and/or development constraints;

- A review of published geological data to assess ground stability;
- Consultation with the following organisations:
 - Environment Agency (EA); and
 - Bristol City Council; and
- Presentation of the baseline data in a standalone technical report, along with a PRA for the site, including an ICSM. It is intended that the PRA and ICSM will form the basis of an environmental statement (ES) chapter.

1.4 Existing reports

Whilst no intrusive investigations have been undertaken specifically in relation to the Proposed Development, a multitude of non-related ground investigation reports have been identified, which may provide some information pertaining to the proposed route. In addition, two geotechnical desk studies have been carried out along the existing, proposed and alternative routes.

The following reports were made available to RSK for review, summaries of which are presented within Section 2.3. Reports are numbered for subsequent reference on figures:

1. No named author, 2001. *Contamination Investigation Report, Area 2 Avonmouth Way, Avonmouth, Bristol; AF0037.021*. Birmingham: WS Atkins;
2. Monks, R., 2001. *An Investigation into the Pollution at the Former Texaco Site, Severn Road, Avonmouth; no reference (BCC's (Bristol City Council's) reference: R548)*. Bristol: Bristol City Council's Pollution Control Unit;
3. McCarthy, J., 2002. *Ground Investigation: Severn Valley Brickworks, Avonmouth, Bristol; 17106/JMC*. Knottingley: Structural Soils Ltd.;
4. No named author, 2003. *St Andrew's Trading Estate, Third Way, Avonmouth; PO146*. Draft. No named place of publication: C.J. Associates;
5. Williams, C. and Fisher, A., 2004. *Desk Study and Ground Investigation at Gloucester Road, Avonmouth: Final Report; R/04276/002*. Bristol: Hydrock Consultants;
6. No named author, 2006. *Avonmouth Wind Power Project: Environmental Impact Assessment – Preliminary Scoping Report; no reference (BCC's reference: R341)*. Bristol: The Landmark Practice;
7. Williamson, J.J. and Dainton, C.F., 2006. *Phase 2 Site Investigation: Plot 4, Cabot Park, Avonmouth, Bristol, JW/0594/061002/P2*. Draft. Sheffield: ECUS Ltd.;
8. Pearce, A., no date (revision Or; presumed 2006). *Report on Land Gas Protection Measures for Proposed Warehouse, Plot P4, Cabot Park, Avonmouth; 06-0924*. Solihull: Cameron Taylor;

9. Anstey, W., 2007. *Phase II Environmental Site Assessment: Land at King Road Avenue, Avonmouth, Bristol, BS11 7HR; 67C12341*. Issue 2 (Final). Leeds: Environ UK Limited;
10. Davies, J., 2007. *Land at King Road Avenue – Results of Supplementary Environmental Investigation; SLB/JD/L67-C12341_1*. Leeds: Environ;
11. Hazlehurst, M. and Bullock, C., 2007. *King Road Avenue, Avonmouth: Land Remedial Works; SLB/MH/L67C12341-1 BCC*. Leeds: Environ;
12. No named author, 2008. *Land at Avonmouth: Phase 1 Contamination Due Diligence Report; 416.0036.00353*. Bradford-on-Avon: SLR Consulting Ltd.;
13. No named author, 2008. *Sevalco 'North' Site, Severn Road, Chittering, Avonmouth, BS11 OYU: Phase 2 Due Diligence Land Quality Assessment; 416.0036.00353 R02 LQA*. Bradford-on-Avon: SLR Consulting Ltd.;
14. Hazlehurst, M. and Bullock, C., 2009. *Validation of Remedial Works: King Road Avenue, Avonmouth; UK16-14074*. Issue 1 (Final). Leeds: Environ;
15. No named author, 2009. *Green Energy Plant, Former Sevalco Site, Junction Chitening Road – Severn Road, Avonmouth: Planning Statement; no reference (BCC's reference: R708A)*. No named place of publication: Bryan Smith Associates;
16. No named author, 2009. *Severn Road Resource Recovery Centre, Statutory Instrument 1999 No.293, The Town and Country Planning (Environmental Impact Assessment) (England and Wales) Regulations 1999, Regulation 10: Request for a Scoping Opinion; 402.0036.00374*. Bradford-on-Avon: SLR Consulting Ltd.;
17. No named author, 2009. *Severn Road Resource Recovery Centre, Environmental Statement, Chapter 9 – Geology, Hydrology and Hydrogeology; 402.0036.00374*. Bradford-on-Avon: SLR Consulting Ltd.;
18. No named author, 2009. *Severn Road Resource Recovery Centre, Environmental Statement, Chapter 10 – Land Quality; 402.0036.00374*. Bradford-on-Avon: SLR Consulting Ltd.;
19. No named author, 2009. *Severn Road Resource Recovery Centre, Severn Road, Chittering, Avonmouth, Bristol, BS11 OYU: Generic Land Quality Risk Assessment; 402.0036.00451-03*. Bradford-on-Avon: SLR Consulting Ltd.;
20. Clark, C., Pugh, A., and Flower, G., 2010. *Former Sevalco Site, Severn Road, Avonmouth: Phase 1 Geo-environmental Desk Study; 0001_DVR_GD04378-21_01*. Exeter: Hyder Consulting (UK) Limited;
21. Cummins, N., 2010. *Access 18 Avonmouth, Eastern Access Road; PI/HASM/250/026*. Cardiff: Halcrow Group Limited;
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2 THE SITE

2.1 Site location and description

The area defined as Section G Avonmouth is located between Royal Portbury Docks at approximate National Grid (NG) reference 350125, 175774 and the Seabank 400/132kV substation in Avonmouth at NG reference 353573, 182156.

The area comprises generally low-lying level ground at between 7m and 9m above Ordnance Datum (aOD). The land use within Section G Avonmouth predominantly comprises commercial and both light and heavy manufacturing industries. Both small and large-scale warehouses, works and depots are frequent, with the docks of Royal Portbury and Avonmouth dominating industrial activities.

The major population centres present within Section G Avonmouth include Pill, Easton in Gordano, Avonmouth Village, Shirehampton, Lawrence Weston and Hallen.

The M5 motorway passes through Section G Avonmouth, trending approximately south-west to north-east and forms the southern-most boundary of the Proposed Development area.

The River Avon crosses the development area, trending south-east to north-west, perpendicular to the M5 motorway. The mouth of the river is at Avonmouth, located on the Severn Estuary. The Severn Estuary is located to the north-west of the development area.

Primary water features include the River Avon, Drove Rhyne, Shirehampton Rhyne, Kings Weston Rhyne, Mere Bank Rhyne, Hallen Rhyne and Stuppil Rhyne.

A site location plan is presented as Figure 1 and the proposed redline boundary is presented as Figure 2.

2.2 Existing reports

The areas covered by each report listed in Section 1.4 are included and referenced in Figure 2. The environmental reports are available from Bristol City Council (BCC) upon request and have not been reproduced within the appendix of this report. The two previous geotechnical desk study reports are presented as Appendix G.

2.2.1 WS Atkins, contamination investigation report, 2001 (Report Ref. 1)

This interpretative report concerns the area known as Area 2, which is bounded by Avonmouth Way, Kings Weston Lane and Ballast Lane, and is located to the north of

Avonmouth substation. It covers the area in which towers LD118 and LD119 are proposed, and is adjacent to the proposed location of tower LD120.

The site's geology comprised made ground to between 0.10m and 0.30m bgl, underlain by clay to between 13.00m and 13.30m bgl, below which was Mercia Mudstone. Groundwater strikes were recorded between 2.50m and 3.00m bgl, with subsequent strikes at depth. During monitoring, a large range of water depths and groundwater flow directions was observed.

Low concentrations of total petroleum hydrocarbon (TPH) and total phenols were measured. Elevated concentrations of heavy metals (cadmium, copper, lead and zinc) were measured.

Potential risks to human health were identified from elevated concentrations of Cadmium and lead, however, overall risks were considered acceptable due to the industrial nature of the development including areas of hardstanding.

The strata beneath the site were classified as a non-aquifer. The potential for saline intrusion on groundwater was recorded. Concentrations of heavy metals were considered unlikely to pose a significant risk to groundwater, despite two industrial groundwater abstractions on site. Concentrations of total phenol were significantly elevated, and were considered to pose a potential risk to human health (via ingestion through potable water pipes) and to the deeper groundwater body. No active source of total phenols was identified on or off site.

Surface water contamination varied across the site; identified contaminants included cadmium, lead, zinc, nickel and chloride. No active sources of heavy metals were identified. It was postulated that the source of heavy metals was a result of influent contaminated surface water leaching from contaminated stream sediment, or aerial deposition from an adjacent smelter.

Consistently elevated concentrations of ground gas (methane and carbon dioxide) were detected beneath the site, potentially associated with peat and organic-rich horizons within the underlying Alluvium. It was considered that, for the proposed industrial development, gas impermeable membranes and active venting below slabs would be required.

2.2.2 Bristol City Council's pollution control unit, an investigation into the pollution at the former Texaco site, 2001 (Report Ref. 2)

This factual report concerns the area of the former Texaco site, which is located to the south-west of Seabank substation and adjacent to a proposed access track running south from the substation.

The site formerly housed a petrol storage depot between 1957 and 1987. Sediment adjacent to the site was identified as being impacted with heavy metals and TPH. It was concluded that hydrocarbons may have leach from the former depot to the ditch, and

therefore further development of the site may increase the mobility of the contaminants and cause widespread pollution.

2.2.3 Structural Soils Ltd., ground investigation, 2002 (Report Ref. 3)

This factual report concerns the area of the former Severn Valley Brickworks site, which is to the south of Seabank substation and to the east of a proposed access track running south from the substation.

The site was reported to be underlain by Estuarine Alluvium, further underlain by Mercia Mudstone, with Upper Coal Measures at depth. The ground investigation encountered granular made ground underlain at approximately 3.00m below ground level (bgl) by Mercia Mudstone. The made ground frequently included slag.

2.2.4 C.J. Associates, St Andrew's trading estate, 2003 (Report Ref. 4)

This interpretative report concerns the area to the south-east of the road junction between St Andrew's Road and Third Way, which is to the north of the proposed 400 kV OHL within the Avonmouth Docks area. The report covers the area adjacent to proposed tower LD115.

The site was found to be underlain by up to 2.00m of made ground, beneath which were alluvial deposits to between 13.00m and 13.50m bgl, beneath which was the Mercia Mudstone Group (MMG). The Mercia Mudstone was proven to a depth of 21.50m bgl. Elevated concentrations of heavy metals (arsenic, lead, copper and zinc) were measured. Given the site use (commercial/industrial) and proposed areas of hardstanding, risks to human health were considered low. The report recommended that soil containing elevated concentrations of arsenic and lead should be isolated beneath hardstanding, and that managed areas of soft landscape should be adopted in the absence of hardstanding.

Two groundwater samples collected, measured low concentrations of arsenic and nickel.

2.2.5 Hydrock Consultants, desk study and ground investigation, 2004 (Report Ref. 5)

This interpretative report concerns the area off Gloucester Road (A 38), which is adjacent to a section of the proposed 400kV OHL near Avonmouth Dock. The report covers the area adjacent to the proposed location of tower LD107.

It was proposed to redevelop a disused industrial depot (built in 1970, including two fuel tanks and asbestos construction materials) with residential housing. The geology was reported as Estuarine Alluvium, underlain by the Mercia Mudstone Group; both strata were classified as non-aquifers. The intrusive investigation identified made ground to depths of between 0.45m and 0.85m, underlain by Alluvial Deposits varying between

2.00m and 18.80m in thickness, with the Mercia Mudstone Group at depth. A high risk from compressible ground stability hazards was identified on site.

Elevated concentrations of arsenic and PAH (polycyclic aromatic hydrocarbons) were present across the site. The design sulphate class (DSC) was calculated as DS-3, with an aggressive chemical environment for concrete classification of AC-2s. Remediation options included the import of clean cover (to be protective of human health and vegetation) and using suitable potable water supply pipe materials.

2.2.6 The Landmark Practice, environmental impact assessment, 2006 (Report Ref. 6)

This factual report concerns a sewage treatment works to the south of Lawrence Weston Road; the site's eastern boundary is adjacent to the existing 132kV G Route. The report also covers the area near to proposed towers LD121 and LD122.

The site was located within a floodplain, and the surrounding area was drained by several rhynes (drainage ditches); two of these were County Wildlife sites (CWS). Strata that constitute a non-aquifer underlay the site, and there were no groundwater source protection zones (SPZ) in the vicinity. A groundwater abstraction licence was listed within 1km of the site. Several landfills, licensed to collect industrial waste, were present within 1km. The potential for contamination by aerial deposition of industrial contaminants was highlighted.

Made ground was observed to depths of between 1.10m and 3.20m bgl with groundwater encountered to between 0.30m and 2.50m bgl. Low concentrations of copper, lead and zinc were measured in site soils during 2002, and elevated concentrations of cadmium, copper and zinc were found in groundwater. The zinc, lead and cadmium contamination was attributed partly to aerial deposition from an adjacent smelter.

2.2.7 ECUS Ltd., phase 2 site investigation, 2006 (Report Ref. 7)

This interpretative report concerns Plot 4 of Cabot Park, which is located to the south-west of a proposed access track off Poplar Way East.

The geology beneath the site was reported to be raised Tidal Flat Deposits (a non-aquifer comprising organic-rich clay and silt) underlain by Mercia Mudstone. Groundwater was presumed to be saline, due to the site's proximity to the tidal Bristol Channel and several salt water rhynes (drainage ditches). Two surface water drains crossed the site, whilst a third followed the western site boundary. The most significant contaminative land use detailed was a zinc smelter approximately 700m away.

Ground conditions encountered comprised topsoil to a maximum depth of 0.8m bgl, underlain by estuarine clays with various quantities of silt, gravel, carbonaceous material, plant remains and fossils. At depths of between 17.30m and 18.00m estuarine deposits were underlain by sandstone or mudstone. Groundwater standing levels were

recorded as less than 1.00m bgl. Elevated concentrations of zinc were detected, and high (up to 73%), and elevated concentrations of methane were identified.

2.2.8 Cameron Taylor, report on land gas protection measures for proposed warehouse, 2006 (Report Ref. 8)

This interpretative report concerns Plot 4 of Cabot Park, which is located to the south-west of the proposed access track off Poplar Way East.

The report stated that high readings and large variation in gas concentrations across the site were potentially associated with methane in solution, and that the methane was likely generated by high organic content in the Alluvium.

The recommended gas protection measure was PA Geotechnical's Low Energy Clean Air Blanket, which provided protection up to Characteristic Situation 4 and also allowed ongoing monitoring and future flexibility.

2.2.9 Environ UK Limited, phase II environmental site assessment, 2007 (Report Ref. 9)

This interpretative report concerns the land to the north of King Road Avenue, which is also to the north of the proposed 400kV OHL within the Avonmouth Docks area. The report covers the area adjacent to the proposed location of tower LD112-113.

The site was reportedly underlain by made ground, with Alluvium (a non-aquifer) underlying to a depth of 20m bgl. The site was not located within a groundwater SPZ.

Ground conditions comprised made ground (including slag) to between 2.50m and 3.10m bgl, underlain by silty alluvial clay to a maximum depth of 4.40m bgl. Shallow perched groundwater was encountered within the made ground. Marginally elevated concentrations of mercury and cadmium were identified across the site within the made ground, and locally elevated concentrations of other metals including lead and copper were observed. Localised elevated concentrations of nickel, arsenic and zinc were detected within groundwater. Groundwater contamination and a smaller amount of soil contamination were present in the south-western part of the site: contaminants included PAH, volatile organic compounds (VOCs) and pH.

The proposed ground cover by hardstanding and buildings, and the proposed industrial/commercial end use of the site resulted in low assessed risks to human Health. Further investigation was recommended in the south-western part of the site to delineate the contamination, which appeared to be contained by underground concrete structures.

2.2.10 Environ, results of supplementary environmental investigation, 2007(Report Ref. 10)

This interpretative report concerns the land to the north of King Road Avenue, which is to the north of the proposed 400kV OHL within the Avonmouth Docks area. The report covers the area adjacent to proposed tower LD112-113.

Further intrusive investigation was carried out in the south-western part of the site. Elevated levels of pH may have been associated with concrete within the fill material. A degraded diesel source of contamination was inferred. It was recommended that a small volume (estimated at less than 5m³) of contaminated soil be removed prior to site redevelopment.

2.2.11 Environ, land remedial works, 2007 (Report Ref. 11)

This interpretative report concerns the land to the north of King Road Avenue, which is to the north of the proposed 400kV OHL within the Avonmouth Docks area. The report covers the area adjacent to proposed tower LD112-113.

The report stated that encountered ground conditions did not pose an unacceptable risk to human health or the environment, and that remediation was not considered necessary for the proposed industrial/commercial end use of the site.

2.2.12 SLR Consulting Ltd., phase 1 contamination due diligence report, 2008 (Report Ref. 12)

This factual report concerns the northern section of the former Sevalco plant to the north of the road junction of Severn Road and Ableton Lane; this is to the south-west of proposed tower LD130.

The site was first developed in the 1960s for carbon black production, and was used for carbon black storage and surface water management. Asbestos containing materials were present within the structures on site, and parts of the plant were thought likely to contain solidified fuel feedstock and carbon black deposits (a source of PAH). Contamination from the feedstock and carbon black was thought likely to be localised, due to the solid nature of the materials. Further potential contaminants were listed as solvents, ancillary petroleum hydrocarbons, contaminated infill, and deposits within the settlement lagoon and tanks.

The site was underlain by a non-aquifer, and was surrounded by a network of rhynes (drainage ditches). A small pond was present on site.

2.2.13 SLR Consulting Ltd., phase 2 due diligence land quality assessment, 2008 (Report Ref. 13)

This interpretative report concerns the northern section of the former Sevalco plant to the north of the road junction of Severn Road and Ableton Lane; this is to the south-west of proposed tower LD130.

The intrusive investigation encountered up to 0.70m of made ground beneath the site, extending to a depth of 2.00m in the centre of the site. This was underlain by Estuarine Alluvium to depths of up to 5.00m bgl. Staining and odours were encountered in a few locations across the site.

Seepage was observed within trial pits, and groundwater was encountered between 0.44m and 1.19m bgl. It was considered likely that the groundwater beneath the site was in direct continuity with the rhynes (drainage ditches) adjacent to the site. The low concentrations of total organic vapours identified during subsequent monitoring was thought to be due to the presence of natural ground gas within the organic Alluvium.

Low concentrations of heavy metals were recorded beneath the site, and slightly elevated PAH and TPH concentrations were measured within shallow made ground. The proposed commercial/industrial end use for the site meant that significant remediation of the site was considered unlikely. Slightly elevated concentrations of ammoniacal nitrogen, chloride and individual PAH were recorded within the groundwater and surrounding surface water. The site's sensitivity was deemed to be low, and therefore it was considered that significant remediation of the waters beneath and surrounding the site was unlikely.

2.2.14 Environ, validation of remedial works, 2009 (Report Ref. 14)

This interpretative report concerns the land to the north of King Road Avenue, which is to the north of the proposed 400kV OHL loop within the Avonmouth Docks area. The report covers the area adjacent to proposed tower LD112-113.

The trench dug for removal of contaminated soil measured 2.00m by 3.00m, and was excavated to a depth of 2.80m bgl. The majority of the contamination was observed within made ground between 1.50m bgl (the depth of the water table) and 2.00m bgl. 20m³ of soil and 28.1 tonnes of water were removed from the site. Subsequent groundwater monitoring indicated that the majority of the contamination in that area had been removed from the site.

2.2.15 Bryan Smith Associates, planning statement, 2009 (Report Ref. 15)

This factual report concerns the southern section of the former Sevalco plant to the south-east of the junction of Severn Road and Chitterning Road; this is to the south-west of proposed tower LD129.

2.2.16 SLR Consulting Ltd., request for a scoping opinion, 2009 (Report Ref. 16)

This factual report concerns the northern section of the former Sevalco plant to the north of the road junction of Severn Road and Ableton Lane; this is to the south-west of proposed tower LD130.

The geology underlying the site was indicated to comprise Alluvium over Mercia Mudstone (a non-aquifer), with Upper Coal Measures and Pennant Sandstone at depth. Former site uses included two carbon black production plants in the north-western part of the site (thought likely to contain solidified feedstock oil and carbon black residues), a former power plant in the south-western part of the site, multiple surface water settlement tanks and a 3m deep lagoon in the eastern and north-western areas of the site (treatment comprised settlement of fines, predominantly carbon black), two above ground steel oil storage tanks (only one may have stored feedstock oil), and a compressor house/electricity substation. It was noted that asbestos containing materials were present within the pipe network on site.

2.2.17 SLR Consulting Ltd., environmental statement, Chapter 9 – Geology, Hydrology and Hydrogeology, 2009 (Report Ref. 17)

This interpretative report concerns the northern section of the former Sevalco plant to the north of the junction of Severn Road and Ableton Lane; this is to the south-west of proposed tower LD129.

The geology encountered by the intrusive investigation consisted of made ground to depths of between 0.15m and 1.70m bgl; the presence of hydrocarbons was noted in two locations. This was underlain by Estuarine Alluvium (Tidal Flat Deposits, which comprised silty clay and silt, and contained thin layers of peat). This was further underlain by the Mercia Mudstone Group, which was encountered at between 10.50m and 16.00m bgl.

The Alluvium was classified as a non-aquifer, and the Mercia Mudstone, as a minor aquifer. Perched water seepages were observed within the made ground, whilst groundwater strikes within the Alluvium were encountered between 1.00m and 5.00m bgl and between 12.00m and 15.00m bgl. The groundwater beneath the site was understood to be tidally influenced, with a maximum fluctuation of 0.07m within a 24 hour period; it also appeared that shallow groundwater was in direct connectivity with the nearby rhynes. Free-phase product was observed in one location; this contained PAH, semi-volatile organic compounds (SVOCs), benzene, toluene, ethylbenzene and xylene (BTEX), 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene (TMB).

Elevated concentrations of heavy metals, PAH and ammoniacal nitrogen were measured. Groundwater within the deeper aquifer contained elevated ammoniacal nitrogen, manganese, sodium and heavy metals.

2.2.18 SLR Consulting Ltd., environmental statement, Chapter 10 – Land Quality, 2009 (Report Ref. 18)

This interpretative report concerns the northern section of the former Sevalco plant to the north of the road junction of Severn Road and Ableton Lane; this is to the south-west of proposed tower LD129.

The maximum methane concentration recorded during the intrusive investigation was 42.8% with carbon dioxide at 5.6%.

The design sulphate class for the site was calculated as DS-2, with an aggressive chemical environment for concrete classification of AC-2.

2.2.19 SLR Consulting Ltd., generic land quality risk assessment, 2009 (Report Ref. 19)

This interpretative report concerns the northern section of the former Sevalco plant to the north of the road junction of Severn Road and Ableton Lane; this is to the south-west of proposed tower LD129-130.

Made ground was encountered to depths of between 0.15m and 2.00m bgl; this was underlain by peat-containing Alluvium. Mercia Mudstone was proven from between 10.50m and 16.00m bgl to 45.00m bgl, the maximum depth of the investigation. Hydrocarbon odours and staining were present within several areas of the made ground and shallow Alluvium, and free phase hydrocarbons were observed in isolated areas. Groundwater levels ranged between 3.31m and 6.71m aOD (0.08m and 7.98m bgl).

Risks to human health were considered acceptable. Elevated concentrations of ground gas and associated flow rates required additional assessment. It was considered that the site was unlikely to pose a significant risk to controlled waters, and that, other than localised source removal, no remedial works were required in that respect.

2.2.20 Hyder Consulting (UK) Limited, phase 1 geo-environmental desk study, 2010 (Report Ref. 20)

This interpretative report concerns the southern section of the former Sevalco plant to the south-east of the road junction of Severn Road and Chittering Road, which is located to the south-west of proposed tower LD128-130.

The site was first developed in 1951 for carbon black production, and was reported as having remained in a similar layout since then. The site was reported to be underlain by Alluvium and further underlain by Mercia Mudstone (classified as “Unproductive Strata”). BGS (British Geological Survey) borehole records indicated that up to 1.50m of made ground should be expected, and that the Alluvium was likely to be 4.00m thick. The Mercia Mudstone was expected to depths of between 15.00m to 50.00m bgl, and was likely to be underlain at 50.00m bgl by Coal Measures, comprising sandstone, shale and coal seams.

Previous reports summarised within this report, record an oil spill adjacent to Stuppill Rhyne (South), where a feedstock oil spillage occurred 2002. Coal tar was observed during an investigation in 2002; an investigation undertaken during 2008 encountered creosote and phenol contamination, BTEX, TPH and PAH.

A report into the Sevalco Tank Farm during 2004 revealed hydrocarbon contamination up to a depth of 2.00m bgl beneath the site.

Groundwater was generally encountered at approximately 1.50m bgl, but may be as shallow as 0.10m bgl. All the investigations summarised by this report indicated that the soils beneath the site and the sediment within the adjacent rhynes were variably, contaminated with hydrocarbons.

2.2.21 Halcrow Group Limited, Access 18 Avonmouth, 2010 (Report Ref. 21)

This factual report concerns a section of land to the north-west of the road junction of Avonmouth Way and Fifth Way. Tower LD119 is proposed on the south-western site boundary.

The Proposed Development on site comprised an access road, raised on an embankment by approximately 1.5m above ground level. The intrusive investigation did not encounter made ground. No exceedences above relevant screening criteria were noted within soil samples tested, and leachate samples did not exceed relevant screening criteria.

2.2.22 TRM, S/S treatability study, 2010 (Report Ref. 22)

This factual report concerns the southern section of the former Sevalco plant to the south-east of the road junction of Severn Road and Chittening Road; this is located to the south-west of proposed tower LD129.

Remediation of the site was proposed through solidification/stabilisation. Identified contamination was predominantly solid weathered tar, liquid tar, carbon black, and dissolved phase hydrocarbons. The underlying low permeability clay did not appear contaminated. Carbon black was reported as being a product of incomplete combustion or thermal decomposition of liquid hydrocarbons under controlled conditions. Tar contained a high aromatic hydrocarbon content and feedstock typically contained benzene, naphthalene, anthracene, phenanthrene and pyrene.

2.2.23 Card Geotechnics Limited, desk study and preliminary geotechnical risk rating report, 2010 (Report Ref. 23)

The report presents a desk study and preliminary geotechnical risk rating for the proposed 400kV OHL between the Bridgwater 275/132kV substation at Dunwear, Bridgwater and the Seabank 400/275kV substation at Avonmouth. The report also includes an unexploded ordnance (UXO) desk study for the entire route corridor. It is noted that the current route alignment has been adjusted since the production of the Card report, 2010. The report includes the whole length of the proposed grid connection as proposed in 2010.

The key findings of the report are summarised below, however they cover the whole length of the grid connection route. Where feasible, pertinent features relating to Section G Avonmouth have been highlighted within the summary below:

- The existing F route was constructed over a phased programme between the 1950s and 1970s, with some additions during the 1980s;
- In general, either Estuarine Alluvium or Tidal Flat Deposits are noted to underlie most of the proposed towers. Localised deposits of the Burtle Beds, Peat, Head Deposits, Alluvium, Higher Estuarine Alluvium and First and Second River Terrace Deposits are located along the route corridor;
- Made Ground or worked ground is predominantly located within the Avonmouth area along the route corridor, however may be located along the M5 motorway or railway lines and other road infrastructure;
- Soft ground, peat and potentially aggressive ground conditions have been identified along the route at a number of tower locations;
- The solid geology south of the Mendips is dominated by the Triassic Mercia Mudstone Group (MMG), which has a thickness of up to 350m. Within the southern most sections of the route corridor, the solid geology was identified as the Lower Lias or Blue Lias Formations. Through the Mendips, the bedrock comprises steeply dipping Carboniferous age rocks including the Upper and Lower Coal Measures and the Pembroke Limestone Group. Within the Nailsea area the bedrock comprises the Pennant Sandstone Formation and through the Tickenham Ridge section the bedrock comprises the Pembroke Limestone Group. From Portishead to Avonmouth, bedrock comprises the MMG;
- Several geological faults are identified along the route corridor. Within the southern section of the route there is a slight syncline within the rock strata and a series of faults where the Lower and Blue Lias Formation overlies the gently dipping MMG. A significant, however unnamed fault is located in the vicinity of Biddisham, dipping to the south-west and trending east-west. Faulting intensity increases within the northern part of the route corridor, especially within the coal measures;
- Within the Nailsea area, the route corridor passes over coal bearing strata. Recorded coal workings are located within 250m of some proposed towers within this area;
- Several small quarries and gravel pits are located along the route corridor and several historic landfills, are predominantly located within the Avonmouth area;
- A full UXO desk study was undertaken on behalf of Card Geotechnics by BAE systems. The report identified five former explosives/munitions factories along the route, dating back to World War I (WWI) at Avonmouth, Henbury, Portishead, Chittering and Bridgwater. Several World War II (WWII) defence structures including pill boxes and heavy anti-aircraft (HAA) batteries were identified in the vicinity of

the route corridor, although these have been dismantled. The majority of the route corridor comprised a low density population area and as such had a very low aerial bombing density. Within the City Borough of Bristol (including Avonmouth) the bombing density of 6e HE/100ha, a relatively high frequency was identified. The report states that the typical maximum depth of German air-dropped UXO within the tidal flat deposits within Avonmouth is likely to be in the order of 10m below ground level (bgl).

- The risk of encountering contamination or explosive devices from munitions factories or buried UXO is low as the surrounding land use is rural or has been extensively developed (Portishead/Avonmouth area's) and any residues are likely to have degraded and dispersed in the intervening time;
- The report recommends that where groundwork is to be undertaken in close proximity to munitions factories at Bridgwater, Avonmouth and Henbury, that soil samples should be sent for laboratory analysis to check for the presence of contamination. Where ground work is to be undertaken close to any HAA sites at Bridgwater and Avonmouth, site operatives should be made aware of the potential of encountering munitions; and
- The report provides generic geotechnical recommendations for foundation design.

A copy of the report is presented within Appendix G.

2.3.24 LS Transmission Consultancy Ltd, geotechnical desk top study, 2010 (Report Ref. 24)

The report provides an assessment of anticipated ground conditions based on a geotechnical desk study, historic borehole logs and historic maps to make recommendations for preliminary ground investigations, from which preliminary tower foundations can be designed.

It is noted that the current route alignment has been adjusted since the production of the LSTC report, 2012. The report includes the whole length of the proposed grid connection as proposed in 2012.

The key findings of the report are summarised, however they cover the whole length of the grid connection route. Where feasible, pertinent features relating to Section G Avonmouth have been highlighted within the summary below:

- The geological mapping for the route corridor indicates the potential for weak ground bearing properties at tower locations for the majority of locations and piled foundations would be anticipated;
- Cone penetration tests (CPT's) were recommended as an effective investigation methodology to provide geotechnical parameters. Rotary boreholes should be drilled to confirm CPT results and monitoring wells installed to monitor groundwater levels;

- The report identifies both the superficial and bedrock geology beneath the route corridor;
- The Avonmouth and Nailsea coal fields are located within the northern section of the route. Mining activity may have been undertaken and further investigation was recommended;
- The report summarises the findings of the previous Card Geotechnics, 2010, investigations including the UXO desk study; and
- The report makes generic recommendations for ground investigation techniques to allow geotechnical parameters to be collected.

A copy of the report is presented within Appendix G.

3 PRELIMINARY RISK ASSESSMENT (PRA)

3.1 Site walkover

A preliminary site visit was undertaken on 5 June 2013. Photographs of the study site and surroundings are provided in Appendix C. A description of the site is given and potentially significant environmental and geotechnical issues arising from the survey are summarised below.

3.1.1 Site description

Royal Portbury Docks to River Avon

The current G and BW routes trend roughly west to east-south-east across the Royal Portbury Docks. The OHL's cross over several large warehouses, depots, mills and a coal stockyard. Many of these warehouses are used for the temporary storage of vehicles and include large areas of open, flat hardstanding. The M5 motorway is located south of these OHL's. Close to the western bank of the River Avon, the G and BW routes trend north-east towards Avonmouth Docks, crossing open disused fields that form part of the flood plain of the River Avon.

The proposed 'alternative' 400kV OHL route alignment trends close to and parallel with the current G and BW routes across Royal Portbury Docks.

The proposed 'preferred' 400kV OHL route trends close to and parallel with the M5 motorway, crossing junction 19 immediately south of Royal Portbury Docks and precede north-east towards the River Avon.

River Avon to Hallen Marsh

The current G and BW routes cross the River Avon and associated mud flats/flood plain and proceed north-east through Avonmouth. The OHL's trend close to the M5 motorway, crossing residential areas of Avonmouth Village and Shirehampton (over-sailing residential properties) and the Avonmouth trading estate. This trading estate includes several warehouses, depots and works. These are predominantly used for commercial and light industrial/manufacturing processes. Both the G and BW routes cross road infrastructure associated with junction 18 of the M5/M49 interchange before the G route connects to the Avonmouth 132/33kV substation, located off Avonmouth Way. The BW route proceeds north-east over warehouses and depots, parallel to the M49 motorway, crossing the motorway east of the Avonmouth substation.

The substation comprises an electrical compound with electrical switch-gear, several towers, generator buildings, lay down areas and ancillary buildings. The site is

surrounded by an electrified metal palisade fence and was not accessed as part of the site visit.

The G route exits the Avonmouth substation along the north-eastern corner and proceeds north-east over open fields, currently disused. The OHL crosses King Weston Rhyne and Mere Bank, close to a sewage treatment works, and proceeds across warehouses and depots towards Hallen Marsh.

The proposed 400kV OHL route roughly follows the current alignment of the G and BW routes through Avonmouth, crossing commercial and industrial properties. To avoid over-sailing residential properties at Avonmouth Village and Shirehampton, east of the River Avon, the proposed 400kV OHL trends north-west and proceeds through the Avonmouth Docks. This area currently contains several warehouses, docks and quays, an overhead conveyor belt, mills, scrap yard and other industrial land uses. The proposed OHL proceeds through the docks until reaching the St Andrew's Gate Roundabout. At this juncture, the OHL proceeds east across depots and warehouses along Third Way, before crossing undeveloped open land and Kings Weston Rhyne, north-east of the Avonmouth substation.

The proposed underground cable route replacing the G route exits the Avonmouth substation and proceeds either beneath, or adjacent to, Avonmouth Way in a north-easterly direction. The land located immediately north of Avonmouth Way currently comprises open, disused fields with interconnected drainage ditches. The underground cable route proceeds beneath Kings Weston Rhyne and Mere Bank Rhyne, crosses beneath the M49 motorway and proceeds north-east beneath agricultural fields of Hallen March, before connecting into the G route OHL that is being retained east of Hallen Marsh.

Hallen Marsh to Seabank substation

Both the G and BW routes cross a railway line and trend roughly north to south, proceeding across Hallen Marsh, which comprises open, flat, low-lying fields used for agricultural purposes. Both routes cross the M5 motorway close to Hallen Industrial Estate and proceed north-west towards the Seabank 400/132kV substation, which is located on Crook's Marsh. The Seabank substation adjoins the Seabank Power Station. The land use within this area is predominantly agricultural with isolated farms and small trading estates. A gas works, currently used for the storage of liquid petroleum gas (LPG) is located on Crook's Marsh, close to the current G and BW routes.

The Seabank 400/132kV substation comprises a large electrical facility with electrical switch-gear, several tower, generator houses and ancillary buildings. The site is surrounded by an electrified metal palisade fence. The site was not accessed as part of the site visit.

Within the wider area, the heavily industrialised zones of Avonmouth and Severn Beach are located south-west and north-east, respectively.

The proposed 400kV OHL route roughly follows the current G and BW route alignment across agricultural fields on Hallen Marsh, however the OHL would not cross the M49 motorway, trending north of the motorway.

3.1.2 Japanese knotweed

Japanese knotweed is a non-native, highly invasive species in the UK, which spreads via rhizomes (underground 'stems') rather than seeds. It is found in a range of habitats across the UK including roadsides, riverbanks and derelict land.

The initial site walkover did not identify Japanese knotweed on the parts of the site visited. However, this inspection was not undertaken by a Japanese knotweed expert. It is therefore recommended that before any site operations are carried out, the site is inspected by an individual experienced in the recognition of Japanese knotweed. If Japanese knotweed is found to be present, adequate precautions must be employed to prevent its spread, in particular along watercourses during construction and demolition activities.

3.1.3 Off site issues

The population centres of Avonmouth Village and Shirehampton are over-sailed by the G and BW routes within Avonmouth.

The G and BW routes and the proposed 400kV OHL would pass over or close to numerous warehouses, works, mill, depots, docks, wharf and other industrial sites.

Both Hallen Marsh and Crook's Marsh are crossed by numerous interconnected drainage ditches and ryhnes (surface water features).

3.1.4 Geotechnical issues

The existing and proposed electrical OHL/underground infrastructure are located on flat, low-lying land with numerous interconnected drainage ditches and rhynes bordering field margins. These low-lying fields may be water logged or partly flooded during prolonged rainfall or during spring, autumn and winter seasons. In addition, there may be areas that are waterlogged or partly flooded during 'normal' weather conditions. The drainage ditches can be wide and deep, although the water flow rate is typically low. Within Avonmouth and Royal Portbury Docks, these electrical infrastructure would cross areas with made ground, landfills and land reclamation where ground stability hazards may exist.

There is the potential for weak ground bearing properties where Alluvium, Tidal Flat Deposits, peat are present at existing and proposed tower locations and along access tracks.

Many drainage ditches and rhynes are culverted to allow access tracks to cross these surface water features. These may be old or in general disrepair. Assessment of their condition may be required prior to vehicle movement over them.

3.2 Ground conditions

3.2.1 Geology

Published records (British Geological Survey) indicated the geology of the site to be characterised by the succession recorded in Table 2.

Table 2: Geology within Section G Avonmouth

Geological unit	Description	Estimated thickness (m)
Superficial geology	Tidal Flat Deposits: comprising clay, silt and sand. These are described as consolidated soft silty clay, with layers of sand, gravel and peat. These deposits are described as normally consolidated soft silty clay, with layers of sand, gravel and peat. Characteristically low relief; from the tidal zone. These are located across the majority of the Avonmouth basin, west of the M5 motorway and beneath most of the existing OHL's and proposed 400kV OHL/underground cable section. River Terrace Deposits 1: comprising sand and gravel clay, silt, sand and gravel, locally with lenses of clay, silt or peat. These deposits are found beneath Royal Portbury Docks and may extend to beneath the alternative proposed 400kV OHL alignment. Head Deposits: comprising clay, silt, sand and gravel described as polymict deposit: comprises gravel, sand and clay depending on upslope source and distance from source. Poorly sorted and poorly stratified deposits formed mostly by solifluction and/or hillwash and soil creep. Essentially comprises sand and gravel, locally with lenses of silt, clay or peat and organic material. In the Bristol area: red or brown silt and stony clay with cobbles of hard rock, e.g. Carboniferous limestone or sandstone. Argillaceous frost-shattered rock debris either in-situ or soliflucted. Soliflucted deposits have variable sand/clay content. These deposits are located within a small area between Portbury and Pill, along the M5 motorway, beneath the existing G and BW routes and proposed 400kV OHL. Another small area of head deposits is located beneath the Royal Portbury Docks. The G and BW routes and alternative proposed 400kV route may pass across these deposits. Peat Deposits: comprising peat and described as organic-rich clay and humic deposits. These deposits are restricted in extent to a small area of peat is also potentially located	Up to several meters

Geological unit	Description	Estimated thickness (m)
	beneath proposed towers LD96 and LD97.	
Bedrock	All of Section G Avonmouth is underlain by the Mercia Mudstone Group (MMG) comprising mudstone described as predominantly red, less commonly green-grey, mudstones and subordinate siltstones with thick halite-bearing units in some basinal areas at depth.	30-50m thickness
Source: British Geological Survey website: http://mapapps.bgs.ac.uk/geologyofbritain/home.html		

In addition to the natural strata underlying the site, the environmental database report indicates that made ground deposits may be present beneath or in the vicinity of the majority of the site.

A summary of the geology is presented in Figure 3.

3.2.2 British Geological Survey (BGS) borehole records

The previous geotechnical desk study reports identified a comprehensive list of BGS borehole records for the general vicinity of the Proposed Development corridor. Reference to the relevant reports should be made for further details on available BGS records.

A brief review of these BGS records indicates that the published geology along the Proposed Development corridor corresponds with ground conditions encountered during historic ground investigations.

Copies of the previous geotechnical desk study reports are presented within Appendix G.

A search was undertaken on the BGS website for records of historic boreholes. A brief review of selected boreholes adjacent to proposed tower locations appears to confirm the geological succession outlined above.

3.2.3 Soils

Reference has been made to the National Soils Resources Institute at the Cranfield University for data on soil types present within the section using <https://www.landis.org.uk/soilscapes/>.

The majority of Section G is underlain by soils comprising naturally wet loamy and clayey soils of the coastal flats with subordinate amounts of slightly acid loamy and clayey soils with impeded drainage.

3.2.4 Designated geological sites

Evidence has been sought to identify any designated geological sites in the vicinity of the site. The sources of information referenced in this element of the desk study include:

- A Groundsure Data (environmental database) report (Appendix E) for details of sites of special scientific interest (SSSIs);
- The Joint Nature Conservation Committee (JNCC) (<http://jncc.defra.gov.uk/default.aspx?page=4177&authority=UKK12>) for details of Geological Conservation Review reports; and
- The European Geoparks Network (<http://www.europeangeoparks.org/>) for details of European Designated Geoparks.

The St Georges RIG site is located 780m south of the development. And the Kings Weston RIG site is located 800m south-east of the development. The Severn Valley Brickworks Clay Pit is located adjoining the Seabank Substation site and is also a designated RIG site. The site does not lie within a designated European Geopark, and there were no records within the JNCC database that relate to the site or the immediately surrounding area.

3.2.5 Radon

The environmental database report indicates that the area of the site to the north of the River Avon is not located with a 'Radon Affected Area', as defined by the HPA (Health Protection Agency). Therefore, the risk of significant ingress of radon into structures in this area is considered to be low, and no radon protective measures are required within new buildings within this area.

However, the environmental database report and information from the HPA website indicate that the area to the south of the River Avon is located with an intermediate probability radon area, as defined by the HPA. Between 1% and 3% of properties are above the HPA's Action Level within the north-eastern half of the site area to the south of the Avon, near Pill and Easton-in-Gordano. Between 3% and 5% of properties are estimated to be above the HPA's 'Action Level' within the south-western half of the site area to the south of the Avon, near Portishead and Portbury. This area is discussed under separate cover.

3.2.6 Mining and quarrying

Evidence has been sought to identify any mining and quarrying operations, past and present, which have taken place in the vicinity of the site. The sources of information referenced in this element of the desk study include:

- environmental database report

The environmental database indicates that there are no coal mining or brine affected areas within 75m of the site boundary, and that there is a negligible hazard of subsidence relating to shallow mining within 150m of the site boundary.

A 12m deep pit was excavated into the estuarine alluvium (Tidal Flat Deposits) at the Severn Valley brick works, to the east of Seabank substation. It was noted that the pit had since been infilled with landfill material.

3.2.7 Designated mineral extraction sites

To determine whether sites with current or future mineral value are located in close proximity to the development corridor, a review of information available on the BGS website relating to designated mineral safeguard areas (MSA's) within Somerset was undertaken. No MSA's are located along the Proposed Development. A review of planning application for mineral purposes was also undertaken. This included the review of any recorded valid or expired planning permissions for both surface and underground mineral extraction activities as recorded by the Mineral Planning Authority. This data specifically relates to planning permissions dated as of 1 October 2004 and includes information on the mineral resource extracted.

Key features within Section G Avonmouth are summarised below, although it should be noted that there are additional sites within the wider regional area that are considered to have a lower impact on the development corridor:

- An area of peat is present to the south of the south-western corner of the development corridor, and two areas of River Terrace Deposits are present further north. The larger area is located to the south-east of the Royal Portbury Dock, and is beyond the development area. The smaller area straddles the site boundary in the south-western corner of the development area, and is to the west of proposed tower LD98. None of these three areas have historic or current mineral planning permission, however have the future potential to be resources of interest;
- Two areas of inactive mineral workings are present to the south and east of Seabank substation; the working adjacent to the east of the substation, known as Severn Valley or Crooks Marsh, had clay and shale extracted. It has since been infilled with landfill. The working further south and east of the substation, known as Philblack Works, also extracted clay or shale; and
- The Avonmouth Wharf, located within 100m of the Proposed Development corridor is an active marine wharf handling marine sand and gravel.

A copy of the Mineral Resource Map can be viewed at <http://www.bgs.ac.uk/mineralsuk/planning/resource.html#MRM>.

3.2.8 Ground stability hazards

Evidence has been sought to identify any potential ground stability hazards on or in the immediate vicinity of the site. The sources of information referenced in this element of the desk study include:

- environmental database report

Table 3: Ground stability hazards

Hazard	Hazard Potential on Site
Collapsible Ground	Negligible to low hazard
Compressible Ground	Moderate to high hazard
Ground Dissolution	Negligible to negligible hazard
Landslide	Low hazard
Running Sand	Moderate hazard
Shrinking or Swelling Clay	Low hazard

It is likely that the moderate running sand and compressible ground hazards are related to the areas of the site underlain by Tidal Flat Deposits. It is possible that the high compressible ground hazard in the south-west of the site is related to the peat deposits.

There are no recorded natural cavities within the site boundary.

3.2.9 Landfilling and land reclamation

Evidence has been sought to identify any landfilling or land reclamation operations, past and present, which have taken place on or in the vicinity of the site. The sources of information referenced in this element of the desk study include:

- environmental database report

The following historic and non-operational landfills are recorded approximately within 500m of the development corridor:

- Future Development Area Royal Portbury Dock Landfill historic landfill. The landfill received inert and industrial, non-hazardous waste between 1982 and 1992;
- Royal Portbury Dock Landfill. The landfill received inert waste from 1969;

- Dock Entrance Landfill, located within 100m of the development corridor within Avonmouth Docks, This facility received inert waste and operated between 1976 and 1983;
- T Farm Landfill is located centrally within Avonmouth. The proposed 400kV OHL would pass through the landfill, which received inert waste from 1959 onwards. No end date is supplied;
- Britannia Zinc Factory Landfill, Kingweston Lane – industrial waste, commenced 1978;
- Britannia Zinc Slag Tip, Kingweston Lane - industrial waste, commenced 1986;
- Commonwealth Smelting Ltd Landfill, St Andrew's Road – waste described as difficult, operation commenced 1995, no further details are provided;
- Old VR Tip Landfill, I S C Chemicals – inert, industrial, non-hazardous waste, operated between 1982 and 1994;
- Churngold University Playing Fields Landfill – accepted non-biodegradable wastes
- Kinsweston Landfill – inert waste, commenced 1978;
- Saltmarsh Drive, Kingsweston Lane Lawrence Weston – commercial and household waste received between 1950 and 1974;
- Crooks Marsh Farm Landfill – received inert and industrial waste from 1986;
- Crooks Marsh Farm Sevalco Landfill – received inert, industrial and commercial waste between 1977 and 1979;
- Crooks Marsh Landfill Site – no further details provided;
- Berwick farm Landfill Site – no further information is supplied; and
- Land at Fisher's Farm – received commercial, industrial household and inert waste. Control measures for ground gas and leachate generation have been incorporated into the landfill.

The following operational landfills are recorded within 250m of the site:

- Kingweston Lane Landfill – accepted waste described as difficult, first date of waste received was 1997. No further details are provided;
- Old VR Tip Landfill, I S C Chemicals – inert, industrial, non-hazardous waste, operated between 1982 and 1994, with the licence modified during 1994. No further details are provided; and
- Commonwealth Smelting Ltd Landfill, St Andrew's Road – waste described as difficult, operation commenced 1995, no further details are provided.

The Proposed Development passes directly over the following landfills:

- Future Development Area Royal Portbury Dock Landfill – inert and industrial waste;
- Royal Portbury Dock Landfill – inert waste;
- T Farm Landfill – inert waste;

- Crooks Marsh Farm Landfill – inert and industrial waste;
- Crooks Marsh Farm Sevalco Landfill –inert, industrial and commercial waste;
- Crooks Marsh Landfill Site – no further details provided;

The proposed 132kV underground cable between the Avonmouth substation and the existing G route on Hallen Marsh would pass through the T Farm Landfill.

It should be noted that there are additional landfills located at distances greater than 500m from the development corridor within the Avonmouth area. These are considered less likely to result in a significantly impact the development owing to the distance from the development corridor.

A waste treatment site is located within Avonmouth Docks, at Royal Edward Dock, within 50m of the Proposed Development corridor. The site treats non-hazardous unspecified materials.

A biomass products storage facility is located within Avonmouth Docks, within 50m of the Proposed Development corridor.

A metal recycling/dismantler service is located within Avonmouth Docks, within 50m of the Proposed Development corridor.

A gas waste refrigerant recovery facility of located within 250m of the proposed preferred 400kV OHL within Royal Portbury Docks.

There are numerous historic and current waste handling operations, including waste treatment or transfer stations, water and sewage treatment, metals recycling and vehicle breakers, special waste treatment and commercial/household waste sorting, amongst other activities within the wider Avonmouth area. The Proposed Development corridor passes close to many of these activities.

3.2.10 Ground gas

Given the anticipated ground conditions, the risk associated with ground gas (methane and carbon dioxide) is considered moderate to high in accordance with CIRIA C665 (Wilson et al., 2007). The reason for this assessment is likely to be due to the presence of possible peat deposits and landfills beneath and in the vicinity of the site.

3.3 Hydrogeology

3.3.1 Aquifer characteristics

The groundwater may be tidally influenced owing to the proximity of the Severn Estuary and the River Avon, both of which are tidal. The groundwater flow direction is expected to be variable beneath Royal Portbury Docks and Avonmouth owing to significant

groundwork's within the area. Overall, groundwater is expected to flow towards the Severn Estuary.

3.3.2 Vulnerability of groundwater resources

The River Terrace Deposits underlying a small area beneath Royal Portbury Docks are classified by the EA as a secondary A aquifer:

- Secondary A aquifer: 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.

The Head Deposits close to Portbury and Pill/Easton in Gordano are designated a secondary undifferentiated aquifer:

- Secondary undifferentiated aquifer: it has not been possible to attribute either a category A or B to a rock type. In most cases this means that it was previously designated as both minor and non-aquifer in different locations, owing to the rock's variable characteristics.

The Tidal Flat Deposits underlying the majority of the development corridor within Section G Avonmouth are classified as unproductive strata:

- Unproductive strata: low permeability with negligible significance for water supply or river base flow.

The Mercia Mudstone Group bedrock underlying the majority of the route corridor has been designated as a secondary B aquifer:

- Secondary B aquifer: predominantly lower permeability layers that may store and yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering.

3.3.3 Risk from rising groundwater levels

Rising groundwater levels can result in flooding if not properly controlled. In certain areas groundwater levels are rising owing to reduced groundwater abstraction by industry.

The environmental database indicates that the proposed underground cable within Section G Avonmouth passed through an area at very high susceptibility of rising groundwater. A high confidence level in the data is assumed.

3.3.4 Licensed groundwater abstraction

The environmental database report indicates that there are six groundwater abstractions within 500m of the development corridor. These are summarised in Details of the six abstractions are summarised in Table 4.

Table 4: Groundwater abstractions

Licence number	Approximate distance and orientation from site	Abstraction details
18/54/020/G/131	On site, 15m to the south-east of the proposed OHL between towers LD119 and LD120	An annual volume of 1274360m ³ (a maximum daily volume of 3491m ³) has been abstracted from borehole 7 adjacent to Ballast Lane since 08/07/1966, for non-evaporative cooling and process water
16/52/016/G/029	130m to the north of the proposed OHL between towers P-LD103D and P-LD104	An annual volume of 230000m ³ (a maximum daily volume of 660m ³) has been abstracted from the Lafarge Borehole "a" since 07/06/1992, for general use relating to secondary category (medium loss)
16/52/016/G/029	140m to the north of the proposed OHL between towers P-LD103D and P-LD104	An annual volume of 230000m ³ (a maximum daily volume of 660m ³) has been abstracted from the Lafarge Borehole "b" since 07/06/1992, for general use relating to secondary category (medium loss)
16/52/016/G/029	210m to the north of the proposed OHL between towers P-LD103D and P-LD104	An unknown volume has been abstracted from "Woodspring" since 07/06/1992, for general use relating to secondary category (medium loss)
16/52/016/G/028	250m to the south of tower LD103	An annual volume of 35040m ³ (a maximum daily volume of 96m ³) has been abstracted from a borehole in Easton-in-Gordano since 31/05/1991, for general use relating to secondary category (medium loss)
18/54/020/G/130	350m to the north-west of the proposed OHL between towers LD120 and LD121	An annual volume of 716826m ³ (a maximum daily volume of 1964m ³) has been abstracted from borehole 6 adjacent to Mere Bank since 08/07/1966, for non-evaporative cooling and process water

There are no recorded groundwater abstractions for potable water use within 1,000m of the site.

In terms of aquifer protection, the EA generally adopts a three-fold classification of source protection zones (SPZ) for public supply abstraction wells.

- zone 1 or 'inner protection zone' is located immediately adjacent to the groundwater source and is based on a 50-day travel time. It is designed to protect against the effects of human activity and biological/chemical contaminants that may have an immediate effect on the source;
- zone 2 or 'outer protection zone' is defined by a 400-day travel time to the source. The travel time is designed to provide delay and attenuation of slowly degrading pollutants; and

- zone 3 or 'total catchment' is the total area needed to support removal of water from the borehole, and to support any discharge from the borehole.

Information within the environmental database indicates that Section G Avonmouth is not located above a groundwater SPZ.

3.4 Hydrology

This is commented on in brief in the following sub-sections as the hydrology of the site will be dealt with in a separate technical report.

3.4.1 Surface watercourses

Numerous interconnected surface water courses cross the development area. These are typically expected to discharge to the River Avon or directly to the Severn Estuary. Several water courses have been culverted beneath the proposed route: two between towers LD97 and LD98, and a further one between towers LD98 and LD99.

Primary water features include the River Avon, Drove Rhyne, Shirehampton Rhyne, Kings Weston Rhyne, Mere Bank Rhyne, Hallen Rhyne and Stuppil Rhyne. Other secondary and tertiary water features are present within Section G Avonmouth. Many rhynes have historically been infilled or been diverted due to the industrial nature of the area.

Several pollution incidents to controlled waters are recorded within 250m of the Proposed Development corridor. These generally range between minor and significant incidents to controlled waters through the release of fuels and oils, unspecified pollutants, household waste, organic pollutants, metals and sewage to drainage ditches. These are considered unlikely to significantly impact the development.

3.4.2 Surface water abstractions

There are no recorded surface water abstractions within the site boundary.

3.4.3 Site drainage

In areas of the site not covered by hardstanding, site drainage is expected to take place directly into the ground via infiltration, and thence into the interconnected drainage system. Where the site crosses roads and other areas of hardstanding, the runoff is likely to be collected by the standard drainage network.

3.4.4 Preliminary flood risk assessment

A standalone flood risk assessment is to be undertaken under separate cover. A general overview is presented below.

The majority of the development corridor is located within either a zone 2 or zone 3 flood risk area. The notable exception is the area in the general vicinity of Royal Portbury Docks.

Zone 2 flood areas estimate the annual probability of flooding as one in one thousand (0.1%) or greater from rivers and sea but less than 1% from rivers and 0.5% from the sea.

Zone 3 flood areas estimate the annual probability of flooding as one in one hundred (1%) or greater from rivers and one in two hundred (0.5%) or greater from the sea.

3.5 History of site and surrounding area

The history of the land-use and development of the site and surrounding area has been assessed based on the following sources:

- Historical maps within the environmental database from 1883 to 2012.

Copies of OS and County Series maps are included in the environmental database report in Appendix E. Reference to historical maps provides invaluable information regarding the land use history of the site, but historical evidence may be incomplete for the period pre-dating the first edition and between successive maps.

The development history of the site and surrounding area from the above sources is summarised below:

1880s: The general area comprises open agricultural fields with drainage ditches along the field margins. Occasional ponds are located within this area and small wooded areas. The land use is predominantly agricultural. The Bristol and Portishead railway trends west to east and is located south of the development corridor. Residential areas of Easton in Gordano, Kings Weston, Shirehampton and Pill are evident. Isolated farms are located within the wider area. A port is located at Avonmouth and includes a dock, several locks, several buildings of unspecified use, cattle shed, lighthouse, customs house, smithy, crane, landing stages. Residential properties of Avonmouth village are noted close to the docks.

1900s: Residential expansion in Pill is evident including lamplighters, buildings associate with Avonmouth Docks, the Port and Pier railway line trending north-west to south-east from Avonmouth, past Pill, several clay pits and an iron works. Development of the docks is evident, including additional railway sidings, a new railway line and large storage sheds and granaries.

1910s: No significant changes are noted within the development corridor. The land use remains predominantly agricultural and fields. The exception is Avonmouth Docks where further development is evident including additional warehouses and a petroleum storage depot with numerous above ground tanks, located along the River Avon, south-west of the docks. This petroleum Depot is located along the proposed 400kV OHL, close to proposed towers LD104 and LD105. Additional railway sidings are also evident. The

Royal Edward Dock has been constructed at Avonmouth and land within the Severn Estuary reclaimed.

1920s: A railway line crosses Hallen Marsh and trends north-west to south-east. Old quarries are located close to Shirehampton, south of the development corridor. No significant changes are noted at Avonmouth.

1930s: Significant residential development is evident at Shirehampton, east of the River Avon. The Chittening Trading Estate is located north-east along the Severn Estuary within Avonmouth. A railway line is shown along the Severn Estuary on Crook's Marsh. Additional development within Avonmouth Docks is evident including the expansion of Royal Edward Docks, the construction of a fuel storage facility close to Royal Edward Docks, on reclaimed land and additional warehouses.

1950s: Commercial/industrial development is evident at Royal Portbury Docks. Significant residential development is evident at Shirehampton and Lawrence Weston. Additional development is evident at Avonmouth Docks, including further infrastructure and warehouses and depots.

1960s: Several works with associated tanks are shown on Hallen Marsh close to Chittening Trading Estate and on Crook's Marsh and include several oil depots.

1970s: The M5 motorway is shown. A landfill is shown close to Easton in Gordano. The Royal Portbury Docks are shown on the River Avon, including a reservoir and landfill. Significant commercial and industrial development is evident at Avonmouth, with development encroaching over agricultural land towards Lawrence Weston. This includes numerous depots and sewage works. Expansion of the oil depots along the Severn Estuary is evident.

1990s: General development within the region is evident including residential areas within population centres and commercial/industrial areas around Avonmouth, Portbury and on Hallen and Crook's Marshes, especially along the Severn Estuary and within Avonmouth. This includes several landfill.

2000s: General development within the region is evident.

2010s: General development within the region is evident.

The general area remained undeveloped and comprised agricultural fields with isolated farms from prior to 1880s until circa the 1950s. The exception is the Avonmouth area which comprised a dock with associated buildings and infrastructure from prior to the 1880s. This area continued developing from the 1900s until present, with frequent changes in land use including petroleum hydrocarbon depots, landfills, wharfs and warehouses. The wider area was subject to significant development of 1950s and included residential development at villages and further commercial/industrial development around Avonmouth.

3.6 Sensitive land uses

A 1.15km stretch of Mere Bank and its flanking ditches (including Mere Bank Rhyne), are a scheduled monument. The Proposed Development route crosses near the south-eastern end of Mere Bank, between proposed towers LD120 and LD121, and the G Route crosses it slightly further to the north-west. In addition, the proposed undergrounding of the G Route crosses its south-eastern end.

The River Avon is located within an environmentally sensitive area: the Severn Estuary is designated a RAMSAR site, a special protection area (SPA), a special area of conservation (SPC) and a site of special scientific interest (SSSI). The land between towers LD107 and LD108, including the land surrounding LD106, falls under all four designations.

The nearest local nature reserve (LNR) is Lawrence Western Moor, located beyond the M5 motorway at distance from towers LD122 and LD123.

The EA website indicates that the site is not in a surface water nitrate vulnerable zone.

It should be noted that the separate ecological assessment being prepared should be read in conjunction with this report.

3.7 Licences and permissions

The following activities, permits, licences and enforcements (both current and historic) are located within Section G Avonmouth, in the general vicinity of the development corridor.

Planning hazardous substance consents

A single consent is recorded within 500m of the development corridor and relates to the storage of up to 50 tonnes of hazardous LPG.

Discharge consents

There are numerous discharge consents within the wider area of the development corridor. These generally relate to discharge of surface waters (site drainage), process water, treated trade and sewage effluent to surface water features including rhynes and drainage ditches. These are unlikely to significantly impact the development.

COMAH and NIHHA sites

There are several COMAH and NIHHS sites within Royal Portbury Docks and Avonmouth Docks. These relate to bulk services (agriculture), storage of tiles, storage/handling of fertilisers and gas, the bulk storage of petroleum hydrocarbons, and liquid nitrogen.

IPC and IPPC authorisations

There are several IPC and IPPC authorised processes located within Royal Portbury Docks and Avonmouth. These include the treatment of food including animal and vegetable products, mineral processing, plasterboard manufacture, bakery, incineration processes including of hazardous waste, processes involving halogens, use of non-ferrous metals, use of organic chemicals such as halocarbons, recovery of hazardous waste, landfilling, other waste disposal operations and carbonisation processes.

Water industry referrals

A single water industry referral is recorded. This relates to packaging activities and expired during 2008.

Dangerous substances inventory (List 1 and 2)

The historic use of chlorinated solvents, mercury, copper, iron and zinc is recorded at the Royal Portbury Docks. The use of heavy metals is recorded for industries within Avonmouth and include water treatment sites, medical equipment sites, process and packaging sites and acid plant activities amongst others.

Part A(2) and Part B activities and enforcements

Several Part A(2) and Part B activities are recorded within Royal Portbury Docks and Avonmouth. These include the use of solvents, vehicle re-spraying, enamelling, dry cleaners, petroleum vapour recovery processes, ceramic/clay/plaster/brick manufacture, mineral processing, waste oil burning, coal storage, gasification, timber processes, asbestos processes, and plaster manufacture. Many of these licences are historic.

Category 3 and 4 radioactive substance licenses

There are several licenses for the storage of radioactive substances. Many of these have been revoked or superseded. There are several licenses for the disposal of radioactive waste, The majority of these have been revoked. These sites are predominately located within Avonmouth.

Red list discharge consents

None have been recorded within the development corridor.

Sites designated as contaminated land

None have been recorded within the development corridor.

3.7.1 Local trade entries

The nearest active petrol or fuel sites to the site are:

- St Andrew's Service Station, located adjacent to the site and approximately 35m to the north-west of the proposed OHL between towers LD114 and LD115;
- The Avon Lodge Truck Stop, located approximately 75m to the north of the site and 90m to the north of tower LD116; and
- The M5 Gordano Motorway Service Area, located approximately 900m to the south-east of the proposed OHL between towers LD102 and LD103.

The area between Royal Portbury Docks and Avonmouth is heavily industrialised. This area includes numerous commercial, light and heavy industrial and manufacturing/process industries in addition to the active docks and port at Portbury and Avonmouth. As such there are multiple potentially contaminative land uses on or in the vicinity of the development corridor.

A high-pressure oil or gas pipeline crossed the development area. The pipeline trends north-east to south-west, close to the M5 motorway and the Portway Roundabout in Avonmouth. The proposed 400kV OHL is unlikely to cross the pipeline, however may be located close to the pipeline. The proposed undergrounding of the 132kV G route north-east of the Avonmouth substation, would cross beneath the pipeline along Avonmouth Way.

3.8 Third party enquiries

The following third parties were contacted and requested to provide information pertaining to the site:

- Environment Agency (EA); and
- Bristol City Council.

Contact was made with Bristol City Council (BCC), who invited RSK to their offices to review relevant historical reports relating to the development area. These are summarised in Section 2.3.

Correspondence from the EA included the following information:

- The EA note that the route passes through Avonmouth which has had a long history of land use with potential contaminative activity; and
- The EA recommend that the PRA and EIA considers historic land use and potential contamination risks on a site by site basis.

Copies of correspondence received at the time of writing the report are presented in Appendix F.

3.9 Initial conceptual model

The information presented in Sections 2 and 3.1 to 3.8 has been used to compile an initial conceptual model (ISCM). The identified potential sources of contamination, associated contaminants and receptors have been considered, with plausible pathways that may link them. The resulting potential pollutant linkages are considered in Section 3.9.4. The risk classification has been estimated in accordance with the information in Appendix D.

3.9.1 Summary of potential contaminant sources

Potential sources and contaminants of concern are summarised in Table 5.

Table 5: Potential sources and types of contamination

Potential sources	Contaminants of concern
On-site historical and present day	
General made ground (if present)	Potential made ground (including heavy metals, polycyclic aromatic hydrocarbons (PAH), polychlorinated biphenyls (PCB), total petroleum hydrocarbons (TPH), fuel oils, asbestos, herbicides and pesticides, chlorinated compounds)
Infilled ponds and clay pits	
Minor hydrocarbon spills from farming equipment and tanks at farms	
PCBs associated with the existing Avonmouth and Seabank substations	
Herbicides and pesticides associated with the agricultural use	
Natural geology (peat deposits)	Ground gases
Historic landfills	Ground gases including carbon dioxide and methane, inert, commercial and industrial waste
Off-site	
Avonmouth and Royal Portbury Docks including wharfs, quays and jetties – within 50m of the development corridor	Potential made ground (including heavy metals, polycyclic aromatic hydrocarbons (PAH), total petroleum hydrocarbons (TPH), fuel oils, asbestos, cyanide, spent oxides, chlorinated compounds, bacterial colliforms)
Waste treatment, handling and transfer sites – within 50m to 250m of the development corridor	
Petroleum depots (historic and current) - between 50m and greater than 500m distance	
General depots, warehouses and works within 50m distance	
Carbonisation and gasification plants – within 500m distance	
Bulk storage sites (fertilisers, gas,	

Potential sources	Contaminants of concern
petroleum, food items, other mineral items) – within 250m distance Mineral processing sites – within 250m to 500m distance Sewage works – within 250m distance Railway sidings	
Historic landfills	Ground gases including carbon dioxide and methane, inert, commercial, industrial and household waste
High pressure gas/oil pipeline through Avonmouth	Methane and natural gas or oils and petroleum compounds
Notes: The Avonmouth has been subject to extensive historic use as a commercial and industrial area.	

3.9.2 Sensitive receptors

Sensitive receptors at this site include:

- Future site users (maintenance workers);
- Adjacent site users (public, farmers residential/commercial/industrial properties);
- Buildings and infrastructure;
- Ecological receptors;
- Groundwater beneath the site (secondary B/undifferentiated aquifers) within superficial and bedrock; and
- Surface water receptors (ponds, drainage ditches, surface water features such as streams and the River Avon/Severn Estuary).

Please note that construction workers have not been identified in the conceptual model as receptors because risks are considered to be managed through health and safety procedures including CDM regulations.

3.9.3 Summary of plausible pathways

The plausible pathways are summarised below:

- Direct contact with soil through ingestion, dermal contact and inhalation of particulates;
- Ground gas and soil vapour inhalation;
- Build up of ground gases within buildings, confined spaces and excavations to pose a risk via explosion and/or asphyxiation;
- Vertical and lateral migration of contaminants including remobilisation and leaching;

- Spills of sediment/contaminants during construction/decommissioning works into surface water receptors (e.g. surface water and silt runoff); and
- Chemical attack of infrastructure and buildings.

3.9.4 Potentially complete pollutant linkages

The initial conceptual model is shown schematically in Figure 4 and a qualitative estimate of the risk associated with each linkage is summarised in Table 6. The risk classification has been undertaken in accordance with CIRIA C552 (Rudland et al., 2001), a summary of which is included in Appendix D. A complete pollutant linkage exists where a receptor is exposed to a source of contaminants via a pathway, such that unacceptable harm to the receptor occurs, or could occur, as a result.

Table 6: Risk estimation for potentially complete pollutant linkages

Potential contaminant	Potential receptor	Possible pathway	Likelihood	Severity of Harm	Risk and justification
Soil source General made ground, potential minor hydrocarbon spills from farming equipment or tanks on farms and associated buildings. Electrical substations and other electrical equipment Infilled ponds/workings Herbicides /	Future users (such as maintenance workers)	Direct contact	Low likelihood	Medium	Moderate/Low: Routine breaking of ground is unlikely following construction. Underground cable route compounds and substations at Avonmouth and Seabank to include gravel cover or managed soft landscaping. Potential exposure durations expected to be low.
		Ground gas asphyxiation / risk of explosion	Unlikely	Severe	Moderate/Low: OHL does not include any permanent structures that would result in confined spaces, therefore plausible pathway is considered absent. The underground cable route compound, CSE compounds, inspection chambers and substations may have permanent structures with confined spaces. Any below ground access chambers that are planned would be considered a confined space, access to which would be controlled by health and safety legislation. Above ground structures such as substations would need to be constructed with protection measures to prevent the ingress of gas, which would be determined following site investigation and monitoring. Risks are potentially higher in areas with significant peat deposits or close to landfills/infilled pits.

Potential contaminant	Potential receptor	Possible pathway	Likelihood	Severity of Harm	Risk and justification
pesticides from agricultural land use. Peat and natural peat bearing strata Historic landfill with inert, commercial and industrial waste (continued below)		Soil vapour inhalation	Low likelihood	Medium	Moderate/Low: Assumes confined spaces for vapour intrusion/accumulation. Confined spaces may be present at access chambers. However, there is an assumption of a preferential vapour pathway. In addition access to such below ground chambers or other confined spaces would be in accordance with appropriate health and safety legislation. Above ground structures such as substations would need to be constructed with protection measures to prevent the ingress of soil gas VOCs, which would be determined following site investigation and monitoring where necessary. Plausible pathway considered unlikely along the OHL routes due to high dilution rates of VOCs in outdoor air and minimal inhalation exposure.
	Adjacent site users (public, farms, residential and commercial/industrial)	Direct contact	Unlikely	Medium	Low: The public, farmers or adjacent residents/commercial/industrial site users are unlikely to come into contact with site soils. Appropriate control measures to be implemented during construction activities along the OHL and the underground cable section. Compound and substation sites presumed to be securely fenced. Exposure risks potentially increased if contaminants at depth are excavated and left at the ground surface.
		Direct contact (potable water pipes and abstractions)	Low likelihood	Medium	Moderate/Low: The Proposed Development is located close to residential and commercial/industrial properties, where potable water supply pipes may come into contact with contaminated soils. There are no groundwater abstractions for potable water use within 1,000m of the site.

Potential contaminant	Potential receptor	Possible pathway	Likelihood	Severity of Harm	Risk and justification
	Building foundations	Chemical attack of infrastructure	Likely	Mild	Moderate/Low: If present, contaminants within soils will come into contact with building foundations (aggressive ground conditions). The Mercia Mudstone is identified as potential sulphate bearing strata. Some proposed tower locations and the proposed underground cable would cross through several landfills with inert, commercial and industrial wastes. Geotechnical data should be obtained to confirm the requirements for concrete/ in-ground infrastructure protection.
	Ecological receptors	Direct contact including ingestion of vegetation	Unlikely	Medium	Low: If present, ecological receptors may come into contact with contaminants. Several designated ecological areas are identified along the route corridor including the Severn Estuary. Compound and substation sites presumed to be securely fenced.
	Groundwater beneath the OHL towers, underground cable route and compound and substation sites (secondary A/ B/ undifferentiated aquifer)	Remobilisation and leaching	Low likelihood	Medium	Moderate/Low: If present, contaminants may leach to the groundwater table and the secondary A/B/undifferentiated aquifer. Historic land use suggests a potential for significant sources of contamination. Groundwater resources within Section G Avonmouth are generally considered of lower sensitivity. Contaminated shallow groundwater potentially mobilised to deeper strata via creation of preferential flow pathways by foundation piles.

Potential contaminant	Potential receptor	Possible pathway	Likelihood	Severity of Harm	Risk and justification
	Groundwater within the wider area	Vertical and lateral migration	Low likelihood	Medium	Moderate/Low: Overall groundwater migration is likely to flow towards the River Avon or the Severn Estuary, however owing to significant ground workings and foundations associated with infrastructure/industrial buildings, the local groundwater regime is likely to be complex and highly variable. The potential for contaminants beneath the site is considered plausible along some sections of the route alignment. Contaminated shallow groundwater potentially mobilised to deeper strata via creation of preferential flow pathways by foundation piles.
	Surface water (rhynes, pond and ditches including River Avon and Severn Estuary)	Migration	Low likelihood	Medium	Moderate/Low: If present, contaminants may flow overland or migrate in groundwater to surface water receptors. The potential for contaminants beneath the site is considered plausible along some sections of the route alignment.
		Surface water run off during construction activity	Low Likelihood	Medium	Moderate/Low: Potential for sediment and surface water runoff to enter drainage ditches during construction/demolition activity. Appropriate method statements, working practises and mitigation measures and response plan would be required.
Off site soil sources General made ground, potential minor hydrocarbon spills from farming	Direct contact with leached contaminants via groundwater migration onto site	Direct contact	Low Likelihood	Medium	Moderate/Low: Historic land use within the immediate vicinity of both existing and proposed tower locations and underground sections suggests the potential for sources of contamination. Routine breaking of ground is unlikely following construction.

Potential contaminant	Potential receptor	Possible pathway	Likelihood	Severity of Harm	Risk and justification
equipment, from tanks on farms and associated buildings, former railway line, Avonmouth and Royal Portbury Docks including wharfs, quays and jetties – within 50m of the development	Groundwater beneath the OHL towers, underground cable route and compound sites (secondary A/B/undifferentiated aquifer)	Migration	Low Likelihood	Medium	Moderate/Low: If present, contaminants may migrate within groundwater to the proposed tower locations or underground cable section and compound/substation sites. Historic land use suggests the potential for off site sources of contamination close to the route.

Potential contaminant	Potential receptor	Possible pathway	Likelihood	Severity of Harm	Risk and justification
corridor Waste treatment, handling and transfer sites – within 50m to 250m of the development corridor Petroleum depots (historic and current) - between 50m and greater than 500m distance General depots, warehouses and works within 50m distance Carbonisation and gasification plants – within 500m distance Bulk storage sites (fertilisers, gas, petroleum, food items, other mineral items) – within 250m distance Mineral processing sites – within 250m to 500m distance Sewage works – within 250m distance distance Hinkley Point C to Seabank Grid Connection Project Railway Slings Preliminary Risk Assessment – Section G Avonmouth 312318 – R7 (02) Bacterial colliforms from sewage	Building foundations	Chemical attack of infrastructure	Likely	Mild	Moderate/Low: If present, contaminants within soils could be leached and come into contact with building foundations (aggressive ground conditions). Historic landfills located off site. Geotechnical data should be obtained to confirm the requirements for concrete/ in-ground infrastructure protection.

Potential contaminant	Potential receptor	Possible pathway	Likelihood	Severity of Harm	Risk and justification
Landfills Off site landfills in the vicinity of the Proposed Development corridor including inert, commercial, industrial and household wastes	Future users (such as maintenance workers)	On site migration of leached contaminants	Low likelihood	Medium	Moderate/Low: Several landfills are located close to Proposed Development corridor. Routine breaking of ground unlikely following construction.
		Inhalation of ground gases	Low likelihood	Medium	Moderate/Low: Several landfills are located close to Proposed Development corridor. Outdoor air exposure and absence of confined spaces at tower locations makes plausible pollutant linkages unlikely. Actual risks considered low. Assumes confined spaces for gas intrusion/accumulation. Confined spaces may be present at access chambers. However, there is an assumption of a preferential gas migration pathway. In addition entry into such below ground chambers or other confined spaces would be in accordance with appropriate health and safety legislation. Above ground structures such as substations would need to be constructed with protection measures to prevent the ingress of ground gas, which would be determined following site investigation and monitoring.
	Building foundations	Direct contact	Low likelihood	Medium	Moderate/Low: Several landfills are located close to Proposed Development corridor. If present, contaminants within soils could be leached and come into contact with building foundations (aggressive ground conditions). Geotechnical data should be obtained to confirm the requirements for concrete/ in-ground infrastructure protection.
Off Site high pressure oil/gas pipeline	Future users (such as maintenance)	Direct contact	Low likelihood	Medium	Moderate/Low: If contaminants present, direct contact may occur. Routine breaking of ground is unlikely following construction.

Potential contaminant	Potential receptor	Possible pathway	Likelihood	Severity of Harm	Risk and justification
Petroleum hydrocarbons or methane	workers)	Inhalation of soil vapour/methane	Unlikely	Medium	Low: If present, VOCs would have a high dilution rate in outdoor air, the risk of inhalation exposure to which is low. The underground cable route compound, CSE compounds, inspection chambers and substations may have permanent structures with confined spaces. Any below ground access chambers that are planned would be considered a confined space, access to which would be controlled by health and safety legislation. Above ground structures such as substations would need to be constructed with protection measures to prevent the ingress of gas, which would be determined following site investigation and monitoring.
	Building foundations	Direct contact	Low likelihood	Mild	Moderate/Low: If present, contaminants within soils could come into contact with building foundations (aggressive ground conditions). Product considered unlikely to significantly impact building materials.
	Groundwater beneath the tower locations or compound sites or substations or underground cable route	On site migration	Low likelihood	Medium	Moderate/Low: If contaminants present, on site migration may occur, although likelihood considered low.

Potential contaminant	Potential receptor	Possible pathway	Likelihood	Severity of Harm	Risk and justification
Groundwater source Theoretically impacted groundwater beneath the Proposed Development areas	Future users (such as maintenance workers)	Contaminants in groundwater beneath the site followed by vapour inhalation & direct contact	Low likelihood	Medium	Moderate/Low: Assumes groundwater source at shallow depth, beneath proposed structures and preferential vapour intrusion pathways. Potential confined spaces at CSE compounds and substations. Presence of volatile contaminants considered plausible given the site history. Routine breaking of ground exposing direct contact pathway is unlikely following construction.
	Neighbouring site users (residential /commercial /industrial properties)	Contaminants in groundwater, migrate off site followed by direct contact (via potable water pipes)	Unlikely	Medium	Low: Presence of impacted groundwater considered plausible given site history. Presence of potable water supply pipes below water table and in the vicinity of the site is considered unlikely.
		Contaminants in groundwater, migrate off site followed by vapour inhalation	Low likelihood	Medium	Moderate/Low: Assumes groundwater source at shallow depth, migrating beneath off site buildings, with subsequent preferential vapour pathways. Considered low likelihood. Presence of volatile contaminants considered plausible.
	Building foundations	Contaminants in groundwater, migrate off site followed by	Likely	Mild	Moderate/Low: If present, contaminants (aggressive ground conditions) could come into contact with building foundations. The potential for contaminants beneath the site is considered plausible. Geotechnical data should be obtained to confirm the requirements for concrete/ in-ground infrastructure protection.

Potential contaminant	Potential receptor	Possible pathway	Likelihood	Severity of Harm	Risk and justification
	Ecological receptors	either direct contact with foundations on/off site and migration to designated sites	Unlikely	Medium	Low: If present, contaminants within groundwater may migrate to surface waters and thence to designated sites. The potential for contaminants in groundwater at the site is considered plausible.
	Secondary A/B/undifferentiated aquifer (wider area)	Contaminants in groundwater, migrate (vertical/lateral) off site to wider groundwater body	Low likelihood	Medium	Moderate/Low: Groundwater migration is inevitable. Potential for contaminants beneath the site is considered plausible. Contaminated shallow groundwater potentially mobilised to deeper strata via creation of preferential flow pathways by foundation piles.
	Surface water (ponds, drainage ditch, rhynes and River Avon/Severn Estuary)	Contaminants in groundwater, migrate (vertical/lateral) off site to surface waters	Low likelihood	Medium	Moderate/Low: If present, contaminants may migrate with groundwater to surface water receptors via groundwater. The potential for contaminants beneath the site is considered plausible.
Notes: shaded cells indicate potentially complete pollutant linkages with a risk of moderate or above					

No potentially complete pollutant linkages have been identified that would result in a high risk to receptors.

The assessment has identified that the risks associated with the potential pollutant linkages are considered low to low/moderate. Given the site history and setting there is the potential for there to be contamination beneath the Proposed Development corridor. A site investigation would be recommended to confirm the likely moderate/low risk to development.

3.9.5 Data gaps and uncertainties

The Proposed Development area is situated within a rural agricultural setting; ecological receptors are located along the route alignments. Several designated ecological areas including SSSI and environmental sensitive areas are located within the wider area, although not along the route alignment within Section G.

A hydrological risk assessment including flood risk assessment is to be undertaken under separate cover.

3.9.6 Recommendations

There may be the requirement to undertake ecological surveys prior to commencement of construction activity. If sensitive ecology is identified it could result in delays to construction to allow for mitigation or cessation during sensitive periods of the year.

A flood risk assessment may be required to be undertaken, but is beyond the scope of this assessment. A hydrological risk assessment is to be undertaken under separate cover.

Intrusive ground works will be required to confirm ground stability issues associated with compressible ground hazards owing to the presence of soft strata along the Proposed Development route. Investigation may be required to collect appropriate data to support concrete design for foundations of towers and other structures located along the development route. It is recommended that during such investigations consideration be given to undertaking contamination testing, sampling, monitoring to confirm the low to moderate risk rating identified in Table 6, in particular where construction may overlap with landfills.

The Proposed Development crosses numerous interconnected drainage ditches and rhynes on Hallen and Crook's marshes. Suitable mitigation measures should be implemented to prevent ingress of sediment and surface water runoff arising through construction activity. Construction activities should additionally take other ecological constraints/considerations into account and implement appropriate mitigation measures for the protection of ecological receptors. In addition, many drainage ditches and rhynes on Hallen and Crook's marshes are culverted to allow access tracks to cross these surface water features. These may be old or in general disrepair. Assessment of their condition may be required prior to vehicle movement over them.

Appropriate measures should be taken during construction activities to minimise potential environmental impact from fuel use and storage. Such measures would include storing fuel within bunded, impermeable structures or areas.

Before any site operations are carried out the site should be inspected by an individual experienced in the recognition of Japanese Knotweed. If Japanese Knotweed is found to be present, adequate precautions must be employed to prevent its spread, in particular along water courses during construction and demolition activities.

A previous UXO desk study identified a relatively high frequency of bombing density (6e HE/100ha), for Avonmouth. The report states that the typical maximum depth of German air-dropped UXO within the tidal flat deposits within Avonmouth is likely to be in the order of 10m below ground level (bgl).

It is recommended that the UXO desk study is reviewed and if required updated in light of the Proposed Development. Potential risks from UXO should be highlighted during construction activities.

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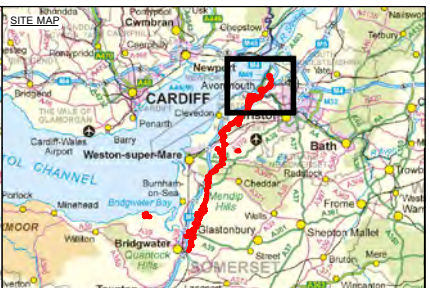
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FIGURES



Key

- Section Boundary
- Order Limits

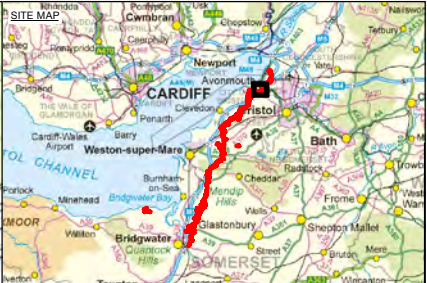
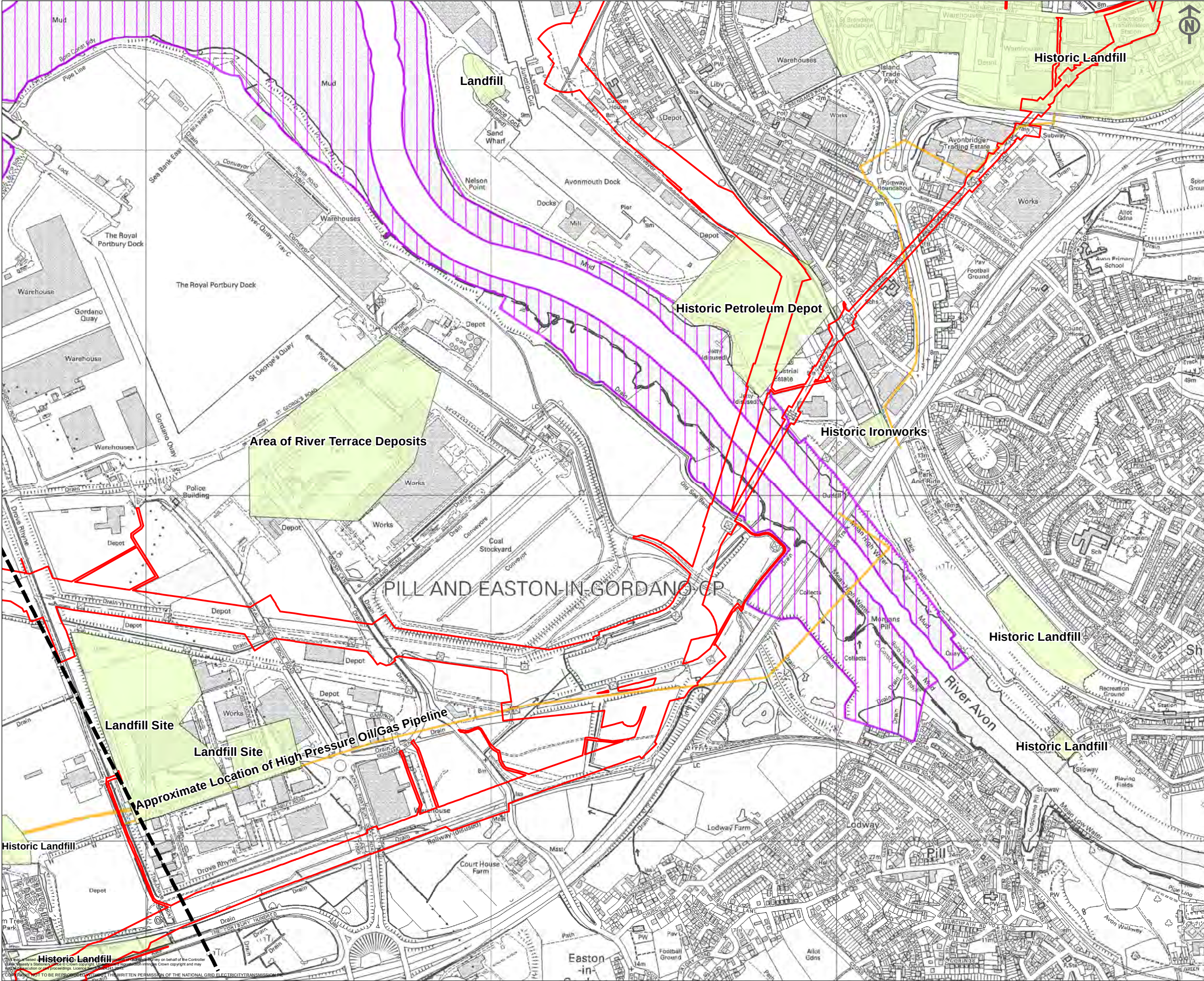
ISSUE	DATE	COMMENTS	DRAW	CHKD	APPD
C	25/03/14	Revised Order Limit	AJ	NH	AP
B	07/03/14	Revised Order Limit	DL	LH	AP
A	04/07/13	Order Limit Location	DL	LH	AP

Title

NATIONAL GRID (HINKLEY POINT C TO SEABANK GRID CONNECTION PROJECT - SECTION G AVONMOUTH) PRELIMINARY RISK ASSESSMENT

FIGURE 1: SITE LOCATION PLAN

national grid				
National Grid plc, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA				
NG INVESTMENT No.		FIGURE No.		GIS A3
20897		1		
DRAWING No.			SCALE	
Section G - Fig 1 - Avonmouth Location Plan			1:50,000	
SHEET 1 of 1			ISSUE C	



- Key**
- Section Boundary
 - Order Limits
 - Highlighted Areas
 - Highlighted Lines
 - SSSI

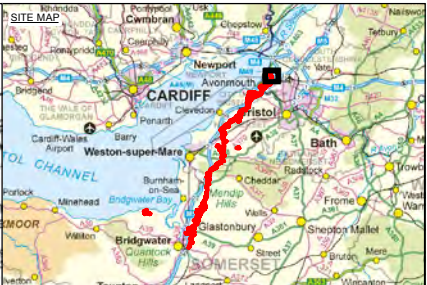
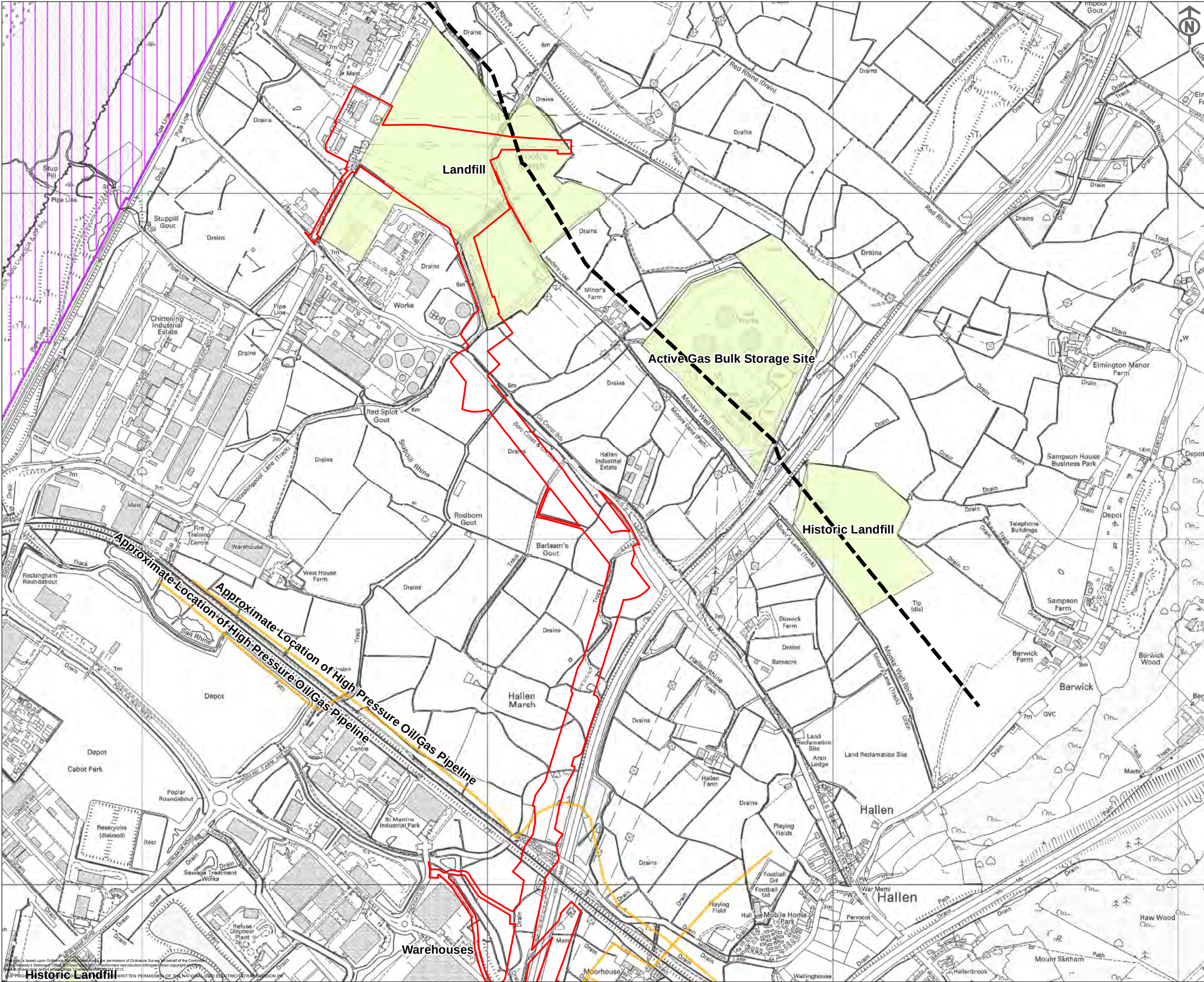
ISSUE	DATE	COMMENTS	DRAW	CHK'D	APPD
C	25/03/14	Revised Order Limit	AJ	NH	AP
B	07/03/14	Revised Order Limit	DL	LH	AP
A	09/07/13	Order Limit Location	DL	LH	AP

Title

NATIONAL GRID (HINKLEY POINT C TO SEABANK GRID CONNECTION PROJECT - SECTION G AVONMOUTH)
PRELIMINARY ENVIRONMENTAL IMPACT REPORT

FIGURE 2: SITE FEATURES PLAN

 National Grid plc, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA			
NG INVESTMENT No. 20897	FIGURE No. 2		GIS
			A3
DRAWING No. Section G - Fig 2 - Avonmouth Features Plan			SCALE 1:10,000
SHEET 1 of 3			ISSUE C



- Key**
- Section Boundary
 - Order Limits
 - Highlighted Areas
 - Highlighted Lines
 - SSSI

ISSUE	DATE	COMMENTS	DRAW	CHKD	APPD
C	25/03/14	Revised Order Limit	AJ	NH	AP
B	07/03/14	Revised Order Limit	DL	LH	AP
A	09/07/13	Order Limit Location	DL	LH	AP

Title

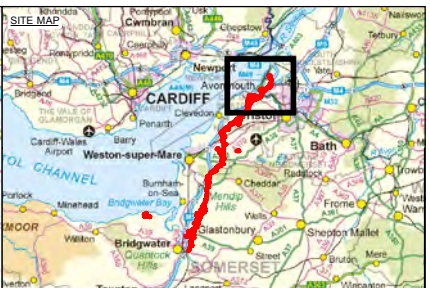
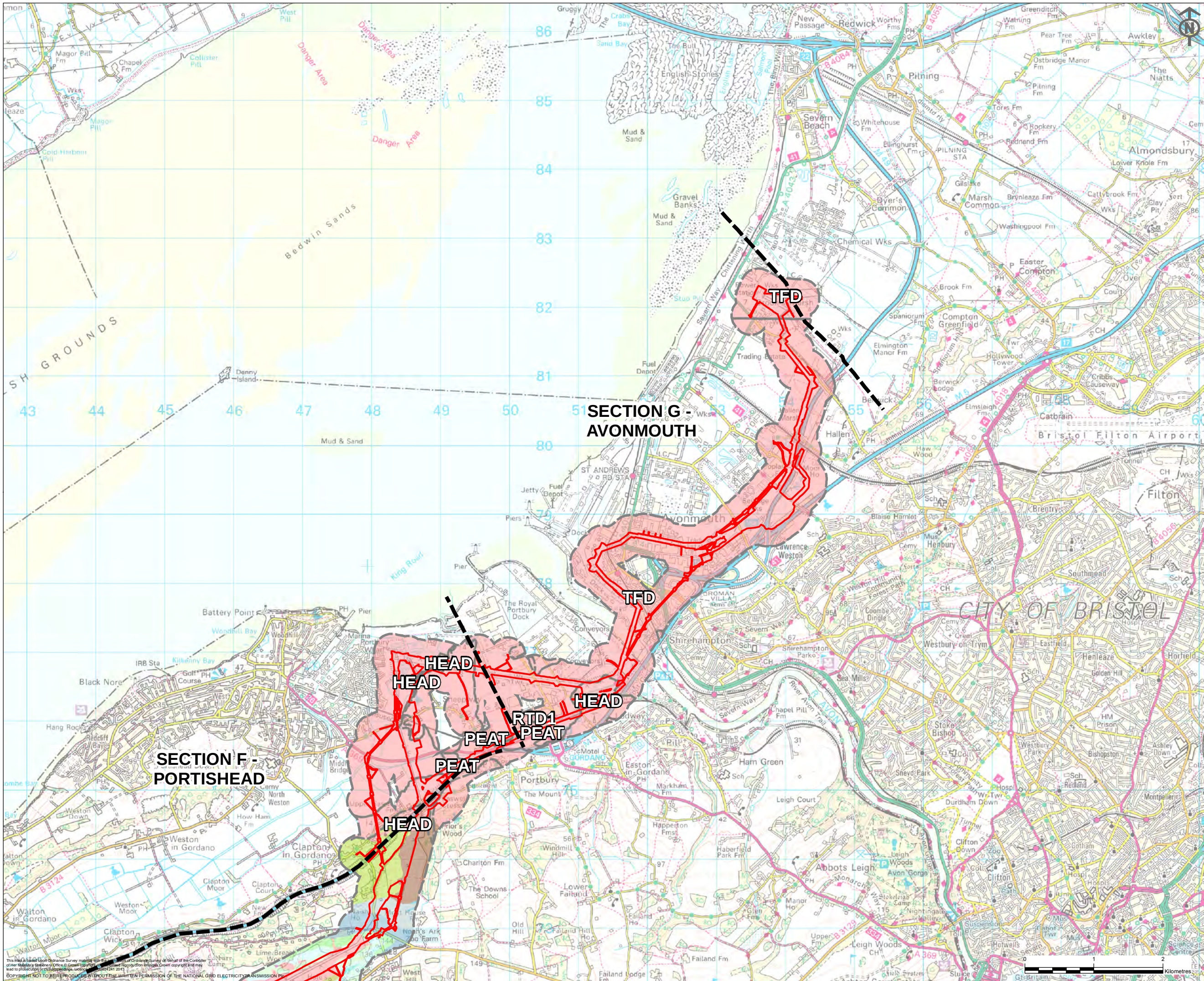
NATIONAL GRID (HINKLEY POINT C TO SEABANK GRID CONNECTION PROJECT - SECTION G AVONMOUTH)
PRELIMINARY ENVIRONMENTAL IMPACT REPORT

FIGURE 2: SITE FEATURES PLAN

National Grid plc, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA

NG INVESTMENT No.	FIGURE No.	GIS
20897	2	
Section G - Fig 2 - Avonmouth Features Plan		SCALE 1:10,000
SHEET 3 of 3		ISSUE C

This map is based upon Ordnance Survey data and is reproduced with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office. It is not to be used for any purpose other than that for which it was prepared. It is not to be used for any purpose other than that for which it was prepared. It is not to be used for any purpose other than that for which it was prepared.

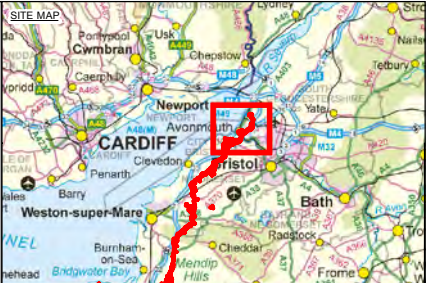
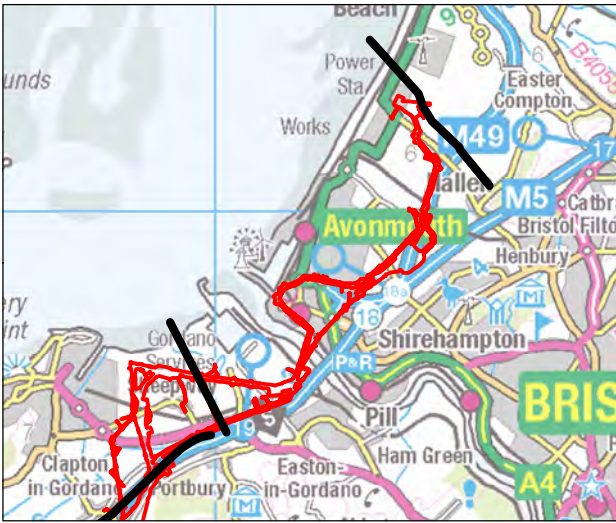


- Key**
- Section Boundary
 - Order Limits
 - Superficial Geology Boundary
 - MERCIA MUDSTONE GROUP - MUDSTONE AND HALITE-STONE
 - MERCIA MUDSTONE GROUP - MUDSTONE
 - MERCIA MUDSTONE GROUP (MARGINAL FACIES) - CONGLOMERATE
 - DOWNEND MEMBER - SANDSTONE
 - PENNANT SANDSTONE FORMATION - SANDSTONE
 - AVON GROUP - LIMESTONE
 - AVON GROUP - MUDSTONE AND LIMESTONE, INTERBEDDED
 - BLACK ROCK LIMESTONE SUBGROUP - DOLOMITISED LIMESTONE AND DOLOMITE
 - BLACK ROCK LIMESTONE SUBGROUP - LIMESTONE
 - CLIFTON DOWN LIMESTONE FORMATION - LIMESTONE
 - CLIFTON DOWN MUDSTONE FORMATION - LAVA, BASALTIC
 - CLIFTON DOWN MUDSTONE FORMATION - DOLOMITE-MUDSTONE
 - GOBLIN COMBE OOLITE FORMATION - LIMESTONE, OOIDAL
 - GULLY OOLITE FORMATION - LIMESTONE, OOIDAL
 - PORTISHEAD FORMATION - SANDSTONE
 - HEAD HEAD
 - PEAT PEAT
 - RTD1 RIVER TIDAL DEPOSITS, 1
 - TFD TIDAL FLAT DEPOSITS

ISSUE	DATE	COMMENTS	DRAW	CHKD	APPD
C	25/03/14	Revised Order Limit	AJ	NH	AP
B	07/03/14	Revised Order Limit	DL	LH	AP
A	04/07/13	Order Limit Location	DL	LH	AP

Title
NATIONAL GRID (HINKLEY POINT C TO SEABANK GRID CONNECTION PROJECT - SECTION G AVONMOUTH)
PRELIMINARY RISK ASSESSMENT
FIGURE 3: GEOLOGICAL CONDITIONS

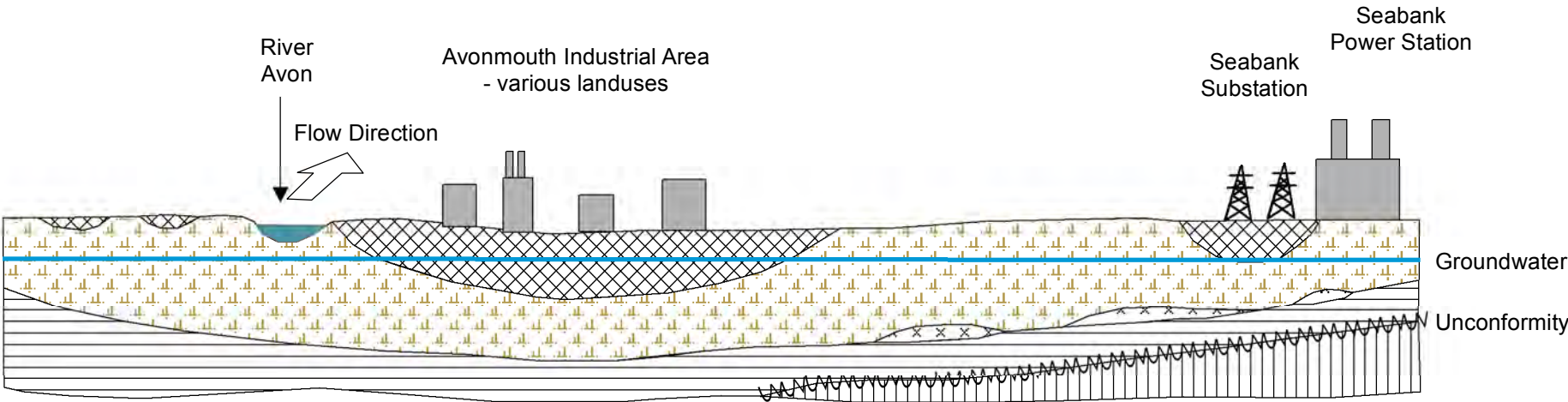
nationalgrid		National Grid plc, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA	
NG INVESTMENT No.	FIGURE No.	GIS	
20897	3	A3	
DRAWING No.	Section G - Fig 3 - Avonmouth Geology	SCALE	
		1:50,000	
SHEET 1 of 1		ISSUE	
		C	



- Key
- Landfill
 - Tidal Flat Deposits
 - Head
 - Mercia Mudstone Group
 - Westphalian Age Coal Measures

A
(SW)

A'
(NE)



ON-SITE SOURCES

- General made ground (if present)
- Infilled ponds and clay pits
- Minor hydrocarbon spills from farming equipment and tanks at farms
- PCBs associated with the existing Avonmouth and Seabank substations
- Herbicides and pesticides associated with the agricultural use
- Natural geology (peat deposits)
- Historic landfills

OFF-SITE SOURCES

- Avonmouth and Royal Portbury Docks including wharfs, quays and jetties
- Waste treatment, handling and transfer sites
- Petroleum depots (historic and current)
- General depots, warehouses and works
- Carbonisation and gasification plant
- Bulk storage sites (fertilisers, gas, petroleum, food items, other mineral items)
- Mineral processing sites
- Sewage works
- Railway sidings
- Historic landfills
- High pressure gas/oil pipeline through Avonmouth

RECEPTORS

- Direct contact with soil through ingestion, dermal contact and inhalation of particulates;
- Ground gas and soil vapour inhalation;
- Build up of ground gases within buildings, confined spaces and excavations to pose a risk via explosion and/or asphyxiation;
- Vertical and lateral migration of contaminants including remobilisation and leaching;
- Spills of sediment/contaminants during construction/decommissioning works into surface water receptors (e.g. surface water and silt runoff); and
- Chemical attack of infrastructure and buildings.

PATHWAYS

- Future site users (maintenance workers);
- Adjacent site users (public, farmers residential/commercial/industrial properties);
- Buildings and infrastructure;
- Ecological receptors;
- Groundwater beneath the site (secondary B/undifferentiated aquifers) within superficial and bedrock; and
- Surface water receptors (ponds, drainage ditches, surface water features such as streams and the River Avon/Severn Estuary).

POTENTIALLY COMPLETE RELEVANT POLLUTANT LINKAGES

- No potentially complete pollutant linkages have been identified

NATIONAL GRID (HINKLEY POINT C TO SEABANK GRID CONNECTION PROJECT - SECTION G AVONMOUTH) PRELIMINARY RISK ASSESSMENT

FIGURE 4: CONCEPTUAL SITE MODEL



National Grid plc, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA

NG INVESTMENT No.	FIGURE No.	GIS
20897	4	A3
DRAWING No.	SCALE	ISSUE
Section G - Fig 4 - Avonmouth Conceptual Site Model.mxd	1:0	C

APPENDIX A

SERVICE CONSTRAINTS

1. This report and the site investigation carried out in connection with the report (together the "Services") were compiled and carried out by RSK Environment Limited (RSK) for National Grid (the "client") in accordance with the terms of a contract between RSK and the "client", dated 10 May 2013. The Services were performed by RSK with the skill and care ordinarily exercised by a reasonable environmental consultant at the time the Services were performed. Further, and in particular, the Services were performed by RSK taking into account the limits of the scope of works required by the client, the time scale involved and the resources, including financial and manpower resources, agreed between RSK and the client.
2. Other than that expressly contained in paragraph 1 above, RSK provides no other representation or warranty whether express or implied, in relation to the Services.
3. Unless otherwise agreed the Services were performed by RSK exclusively for the purposes of the client. RSK is not aware of any interest of or reliance by any party other than the client in or on the Services. Unless expressly provided in writing, RSK does not authorise, consent or condone any party other than the client relying upon the Services. Should this report or any part of this report, or otherwise details of the Services or any part of the Services be made known to any such party, and such party relies thereon that party does so wholly at its own and sole risk and RSK disclaims any liability to such parties. **Any such party would be well advised to seek independent advice from a competent environmental consultant and/or lawyer.**
4. It is RSK's understanding that this report is to be used for the purpose described in the introduction to the report. That purpose was a significant factor in determining the scope and level of the Services. Should the purpose for which the report is used, or the proposed use of the site change, this report may no longer be valid and any further use of or reliance upon the report in those circumstances by the client without RSK 's review and advice shall be at the client's sole and own risk. Should RSK be requested to review the report after the date hereof, RSK shall be entitled to additional payment at the then existing rates or such other terms as agreed between RSK and the client.
5. The passage of time may result in changes in site conditions, regulatory or other legal provisions, technology or economic conditions which could render the report inaccurate or unreliable. The information and conclusions contained in this report should not be relied upon in the future without the written advice of RSK. In the absence of such written advice of RSK, reliance on the report in the future shall be at the client's own and sole risk. Should RSK be requested to review the report in the future, RSK shall be entitled to additional payment at the then existing rate or such other terms as may be agreed between RSK and the client.
6. The observations and conclusions described in this report are based solely upon the Services which were provided pursuant to the agreement between the client and RSK. RSK has not performed any observations, investigations, studies or testing not specifically set out or required by the contract between the client and RSK. RSK is not liable for the existence of any condition, the discovery of which would require performance of services not otherwise contained in the Services. For the avoidance of doubt, unless otherwise expressly referred to in the introduction to this report, RSK did not seek to evaluate the presence on or off the site of asbestos, electromagnetic fields, lead paint, heavy metals, radon gas or other radioactive or hazardous materials.
7. The Services are based upon RSK's observations of existing physical conditions at the Site gained from a walk-over survey of the site together with RSK's interpretation of information including documentation, obtained from third parties and from the client on the history and usage of the site. The Services are also based on information and/or analysis provided by independent testing and information services or laboratories upon which RSK was reasonably entitled to rely. The Services clearly are limited by the accuracy of the information, including documentation, reviewed by RSK and the observations possible at the time of the walk-over survey. Further RSK was not authorised and did not attempt to independently verify the accuracy or completeness of information, documentation or materials received from the client or third parties, including laboratories and information services, during the performance of the Services. RSK is not liable for any inaccurate information or conclusions, the discovery of which inaccuracies required the doing of any act including the gathering of any information which was not reasonably available to RSK and including the doing of any independent investigation of the information provided to RSK save as otherwise provided in the terms of the contract between the client and RSK.
8. The phase II or intrusive environmental site investigation aspects of the Services is a limited sampling of the site at pre-determined borehole and soil vapour locations based on the operational configuration of the site. The conclusions given in this report are based on information gathered at the specific test locations and can only be extrapolated to an undefined limited area around those locations. The extent of the limited area depends on the soil and groundwater conditions, together with the position of any current structures and underground facilities and natural and other activities on site. In addition chemical analysis was carried out for a limited number of parameters [as stipulated in the contract between the client and RSK] [based on an understanding of the available operational and historical information,] and it should not be inferred that other chemical species are not present.
9. Any site drawing(s) provided in this report is (are) not meant to be an accurate base plan, but is (are) used to present the general relative locations of features on, and surrounding, the site.

APPENDIX B

SUMMARY OF LEGISLATION AND POLICY RELATING TO CONTAMINATED LAND

Part IIA of the Environmental Protection Act 1990 (EPA) and its associated Contaminated Land Regulations 2000 (SI 2000/227), which came into force in England on 1 April 2000, formed the basis for the current regulatory framework and the statutory regime for the identification and remediation of contaminated land. Part IIA of the EPA 1990 defines contaminated land as 'any land which appears to the Local Authority in whose area it is situated to be in such a condition by reason of substances in, on or under the land, that significant harm is being caused, or that there is significant possibility of significant harm being caused, or that pollution of controlled waters is being or is likely to be caused'. Controlled waters are considered to include all groundwater, inland waters and estuaries.

In August 2006, the Contaminated Land (England) Regulations 2006 (SI 2006/1380) were implemented, which extended the statutory regime to include Part IIA of the EPA as originally introduced on 1 April 2000, together with changes intended chiefly to address land that is contaminated by virtue of radioactivity. These have been replaced subsequently by the Contaminated Land (England) (Amendment) Regulations 2012, which now exclude land that is contaminated by virtue of radioactivity.

The intention of Part IIA of the EPA is to deal with contaminated land issues that are considered to cause significant harm on land that is not undergoing development (see Environmental Protection Act 1990: Part 2A Contaminated Land Statutory Guidance, April 2012). This document replaces Annex III of DEFRA Circular 01/2006, published in September 2006 (the remainder of this document is now obsolete).

Water Framework Directive (WFD)

The Water Framework Directive 2000/60/EC is designed to:

- enhance the status and prevent further deterioration of aquatic ecosystems and associated wetlands that depend on the aquatic ecosystems
- promote the sustainable use of water
- reduce pollution of water, especially by 'priority' and 'priority hazardous' substances
- ensure progressive reduction of groundwater pollution.

The WFD requires a management plan for each river basin be developed every six years.

Groundwater Directive (GWD)

The 1980 Groundwater Directive 80/68/EEC and the 2006 Groundwater Daughter Directive 2006/118/EC of the WFD are the main European legislation in place to protect groundwater. The 1980 Directive is due to be repealed in December 2013. The European legislation has been transposed into national legislation by regulations and directions to the Environment Agency.

Environmental Permitting Regulations (EPR)

The Environmental Permitting (England and Wales) Regulations 2010 provide a single regulatory framework that streamlines and integrates waste management licensing, pollution prevention and control, water discharge consenting, groundwater authorisations, and radioactive substances regulation. Schedule 22, paragraph 6 of EPR 2010 states: 'the regulator must, in exercising its relevant functions, take all necessary measures - (a) to prevent the input of any hazardous substance to groundwater; and (b) to limit the input of non-hazardous pollutants to groundwater so as to ensure that such inputs do not cause pollution of groundwater.'

Water Resources Act (WRA)

The Water Resources Act 1991 (Amendment) (England and Wales) Regulations 2009 updated the Water Resources Act 1991, which introduced the offence of causing or knowingly permitting pollution of controlled waters. The Act provides the Environment Agency with powers to implement remediation necessary to protect controlled waters and recover all reasonable costs of doing so.

Priority Substances Directive (PSD)

The Priority Substances Directive 2008/105/EC is a 'Daughter' Directive of the WFD, which sets out a priority list of substances posing a threat to or via the aquatic environment. The PSD establishes environmental quality standards for priority substances, which have been set at concentrations that are safe for the aquatic environment and for human health. In addition, there is a further aim of reducing (or eliminating) pollution of surface water (rivers, lakes, estuaries and coastal waters) by pollutants on the list. The WFD requires that countries establish a list of dangerous substances that are being discharged and EQS for them. In England and Wales, this list is provided in the River Basin Districts Typology, Standards and Groundwater threshold values (Water Framework Directive) (England and Wales) Directions 2010. In order to achieve the objectives of the WFD, classification schemes are used to describe where the water environment is of good quality and where it may require improvement.

Planning Policy

Contaminated land is often dealt with through planning because of land redevelopment. This approach was documented in Planning Policy Statement: Planning and Pollution Control PPS23, which states that it remains the responsibility of the landowner and developer to identify land affected by contamination and carry out sufficient remediation to render the land suitable for use. PPS23 was withdrawn early in 2012 and has been replaced by much reduced guidance within the National Planning Policy Framework (NPPF).

The new framework has only limited guidance on contaminated land, as follows:

- *“planning policies and decisions should also ensure that:*
 - o *the site is suitable for its new use taking account of ground conditions and land instability, including from natural hazards or former activities such as mining, pollution arising from previous uses and any proposals for mitigation including land remediation or impacts on the natural environment arising from that remediation;*
 - o *after remediation, as a minimum, land should not be capable of being determined as contaminated land under Part IIA of the Environmental Protection Act 1990; and*
 - o *adequate site investigation information, prepared by a competent person, is presented”.*

APPENDIX C

SITE PHOTOGRAPHS

PHOTOGRAPHIC LOG – Section G Avonmouth		
Photo no.	Date:	
1	June 2013	
Direction photo taken: Looking west		
Description: View or an overhead conveyor within Avonmouth Docks. Proposed 400kV route would align with this		

Photo No.	Date:	
2	June 2013	
Direction photo taken: Looking west		
Description: View of the G and BW route through Avonmouth Village		

PHOTOGRAPHIC LOG – Section G Avonmouth

Photo no.	Date:	
3	June 2013	
Direction photo taken: Looking west		
Description: Areas for a proposed underground cable compound site		

Photo No.	Date:	
4	June 2013	
Direction photo taken: Looking east		
Description: View along Avonmouth Way close to the Avonmouth substation and proposed underground cable route		

PHOTOGRAPHIC LOG – Section G Avonmouth

Photo no.	Date:	
5	June 2013	
Direction photo taken: Looking north-east		
Description: View of fields, formerly T Farm Landfill north of Avonmouth Way		

Photo No.	Date:	
6	June 2013	
Direction photo taken: Looking west		
Description: View along Avonmouth Way along proposed underground cable route		

PHOTOGRAPHIC LOG – Section G Avonmouth

Photo no.	Date:	
7	June 2013	
Direction photo taken:		
Looking north		
Description: View of Kings Weston Rhyne		

Photo No.	Date:	
8	June 2013	
Direction photo taken: Looking south-east		
Description: View across Hallen Marsh		

PHOTOGRAPHIC LOG – Section G Avonmouth

Photo no. 9	Date: June 2013	
Direction photo taken: Looking south-west		
Description: View of the M49 motorway and the BW route		

Photo No. 10	Date: June 2013	
Direction photo taken: Looking west		
Description: View across Crook's Marsh and the G and BW route		

PHOTOGRAPHIC LOG – Section G Avonmouth

Photo no. 11	Date: June 2013	
Direction photo taken: Looking east		
Description: View across Crook's Marsh and an LPG depot, proposed 400kV route alignment		

Photo No. 12	Date: June 2013	
Direction photo taken: Looking north		
Description: View of the G, BW and DA line entries to Seabank substation		

APPENDIX D

RISK ASSESSMENT METHODOLOGY

CLR11 outlines the framework to be followed for risk assessment in the UK. The framework is designed to be consistent with UK legislation and policies including planning. Under CLR11, three stages of risk assessment exist: preliminary, generic quantitative and detailed quantitative. An outline conceptual model should be formed at the preliminary risk assessment stage that collates all the existing information pertaining to a site in text, tabular or diagrammatic form. The outline conceptual model identifies potentially complete (termed possible) pollutant linkages (contaminant–pathway–receptor) and is used as the basis for the design of the site investigation. The outline conceptual model is updated as further information becomes available, for example as a result of the site investigation.

Production of a conceptual model requires an assessment of risk to be made. Risk is a combination of the likelihood of an event occurring and the magnitude of its consequences. Therefore, both the likelihood and the consequences of an event must be taken into account when assessing risk. RSK has adopted guidance provided in CIRIA C552 for use in the production of conceptual models.

The likelihood of an event can be classified on a four-point system using the following terms and definitions based on CIRIA C552:

- highly likely: the event appears very likely in the short term and almost inevitable over the long term or there is evidence at the receptor of harm or pollution
- likely: it is probable that an event will occur or circumstances are such that the event is not inevitable, but possible in the short term and likely over the long term
- low likelihood: circumstances are possible under which an event could occur, but it is not certain even in the long term that an event would occur and it is less likely in the short term
- unlikely: circumstances are such that it is improbable the event would occur even in the long term.

The severity can be classified using a similar system also based on CIRIA C552. The terms and definitions relating to severity are:

- severe: short term (acute) risk to human health likely to result in ‘significant harm’ as defined by the Environment Protection Act 1990, Part IIA. Short-term risk of pollution of sensitive water resources. Catastrophic damage to buildings or property. Short-term risk to an ecosystem or organism forming part of that ecosystem (note definition of ecosystem in ‘Draft Circular on Contaminated Land’, DETR 2000)
- medium: chronic damage to human health (‘significant harm’ as defined in ‘Draft Circular on Contaminated Land’, DETR 2000), pollution of sensitive water resources, significant change in an ecosystem or organism forming part of that ecosystem

- mild: pollution of non-sensitive water resources. Significant damage to crops, buildings, structures and services ('significant harm' as defined in 'Draft Circular on Contaminated Land', DETR 2000). Damage to sensitive buildings, structures or the environment
- minor: harm, not necessarily significant, but that could result in financial loss or expenditure to resolve. Non-permanent human health effects easily prevented by use of personal protective clothing. Easily repairable damage to buildings, structures and services.

Once the probability of an event occurring and its consequences have been classified, a risk category can be assigned according to the table below.

		Consequences			
		Severe	Medium	Mild	Minor
Prob abili ty	Highly likely	Very high	High	Moderate	Moderate/low
	Likely	High	Moderate	Moderate/low	Low
	Low likelihood	Moderate	Moderate/low	Low	Very low
	Unlikely	Moderate/low	Low	Very low	Very low

Definitions of these risk categories are as follows together with an assessment of the further work that may be required:

- Very high: there is a high probability that severe harm could occur or there is evidence that severe harm is currently happening. This risk, if realised, could result in substantial liability; urgent investigation and remediation are likely to be required.
- High: harm is likely to occur. Realisation of the risk is likely to present a substantial liability. Urgent investigation is required. Remedial works may be necessary in the short term and are likely over the long term.
- Moderate: it is possible that harm could arise, but it is unlikely that the harm would be severe and it is more likely that the harm would be relatively mild. Investigation is normally required to clarify the risk and determine the liability. Some remedial works may be required in the longer term.
- Low: it is possible that harm could occur, but it is likely that if realised this harm would at worst normally be mild.
- Very low: there is a low possibility that harm could occur and if realised the harm is unlikely to be severe.

APPENDIX E

ENVIRONMENTAL DATABASE REPORT



RSK STATS Geoconsult Ltd (Bedminster)	GroundSure Reference:	HMD-441-912071
Spring Lodge, , 172 Chester Road,	Your Reference:	312318
Cheshire,	Report Date:	Jun 6, 2013
Helsby, WA6 0AR	Report Delivery Method:	xml
	Client Email:	██████████@rsk.co.uk

GroundSure Data

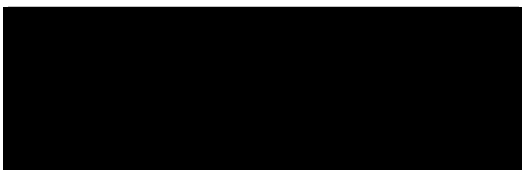
Address: Hinkley C to Seabank grid connection project

Dear Sir/Madam,

Thank you for placing your order with GroundSure. Please find enclosed the GroundSure Data report 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 Data

GroundSure Data

Address: Hinkley C to Seabank grid connection project

Date: Jun 6, 2013

GroundSure Reference: HMD-441-912071

Your Reference: 312318

Client: RSK STATS Geoconsult Ltd (Bedminster)



Aerial Photograph of Study Site

NW

▲
N

NE

◀ W



E ▶

SW

▼
S

SE

Site Name: Hinkley C to Seabank grid connection project
Grid Reference: 348230,177031

Aerial photography supplied by Getmapping PLC.
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Report Reference: HMD-441-912071

If you would like any further assistance regarding this report then please contact
GroundSure on (T) 08444 159 000, email: info@4c.groundsure.com

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.

Report Section	Number of records found within (X) m of the study site boundary					
	on-site	0-50	51-250	251-500	501-1000	1000-1500
1. Historical Industrial Sites						
1.1 Potentially Contaminative Past Land Use						
Records of potentially contaminative past land use (1:10,000 scale mapping)	16	3	8	-	-	-
1.2 Additional Information – Historical Tanks (1:2,500,1:1,250 scale mapping)	117	38	48*	-	-	-
1.3 Additional Information – Historical Energy Features (1:2,500,1:1,250 scale mapping)	4	0	2*	-	-	-
1.4 Additional Information – Historical Petrol and Fuel Site Database (1:2,500,1:1,250 scale mapping)	0	0	0*	-	-	-
1.5 Additional Information – Historical Vehicle Repair and Garages (1:2,500,1:1,250 scale mapping)	0	0	0*	-	-	-
1.6 Potentially Infilled Land						
Records of potentially infilled land (1:10,000 scale mapping)	8	0	0*	-	-	-
*51-100m						
2. Environmental Permits, Incidents and Registers						
2.1 Industrial Sites Holding Environmental Permits and/or Authorisations						
Records of historic IPC Authorisations	0	0	12	4	-	-
Records of Part A(1) and IPPC Authorised Activities	1	0	7	2	-	-
Records of Water Industry Referrals (potentially harmful discharges to the public sewer)	0	0	0	0	-	-
Records of Red List Discharge Consents (potentially harmful discharges to controlled waters)	0	0	0	0	-	-
Records of List 1 Dangerous Substances Inventory sites	0	0	1	0	-	-
Records of List 2 Dangerous Substances Inventory sites	1	0	1	0	-	-
Records of Part A(2) and Part B Activities and Enforcements	0	0	0	0	-	-
Records of Category 3 or 4 Radioactive Substances Authorisations	0	0	0	0	-	-
Records of Licensed Discharge Consents	13	7	4	1	-	-
Records of Planning Hazardous Substance Consents and Enforcements	0	0	1	4		
2.2 Records of COMAH and NIHHS sites	2	0	1	1	-	-
2.3 Environment Agency Recorded Pollution Incidents						
National Incidents Recording System, List 2	11	1	6	-	-	-
National Incidents Recording System, List 1	0	0	0	-	-	-
2.4 Sites Determined as Contaminated Land under Part IIA EPA 1990	0	0	0	0	-	-

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3. Landfill and Other Waste Sites	on-site	0-50	51-250	251-500	501-1000	1000-1500

3.1 Landfill Sites

Environment Agency Registered landfill Sites	1	0	1	0	0	-
Landfill Data – Operational Landfill Sites	1	0	0	0	1	-
Environment Agency Historic Landfill Sites	2	0	1	1	2	3
Landfill Data – Non-Operational Landfill Sites	1	0	0	1	6	-
BGS/DoE Landfill Site Survey	0	0	0	0	0	0
GroundSure Local Authority Landfill Sites Data	0	0	0	0	1	0

3.2 Landfill and Other Waste Sites Findings

Operational Waste Treatment, Transfer and Disposal Sites	1	0	0	0	-	-
Non-Operational Waste Treatment, Transfer and Disposal Sites	0	0	0	0	-	-
Environment Agency licensed Waste Sites	13	1	1	3	6	9

4. Current Land Uses	on-site	0-50	51-250	251-500	501-1000	1000-1500

4.1 Current Industrial Sites Data	52	9	20	-	-	-
4.2 Records of Petrol and Fuel Sites	0	0	0	0	-	-
4.3 Underground High Pressure Oil and Gas Pipelines	1	0	0	3	-	-

5. Geology	Description

5.1 Are there any records of Artificial Ground and Made Ground present beneath the study site? *

Yes

5.2 Are there any records of Superficial Ground and Drift Geology present beneath the study site? *

Yes

5.3 For records of Bedrock and Solid Geology beneath the study site* see the detailed findings section.

Source: Scale: 1:50,000 BGS Sheet 264

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

6. Hydrogeology and Hydrology	on-site	0-50	51-250	251-500	501-1000	1001-2000

6.1 Are there any records of Productive Strata in the Superficial Geology within 500m of the study site?

Yes

6.2 Are there any records of Productive Strata in the Bedrock Geology within 500m of the study site?

Yes

6.3 Groundwater Abstraction Licences (within 1000m of the study site).

0	0	0	0	0	-

6.4 Surface Water Abstraction Licences (within 1000m of the study site).

0	0	0	0	0	-

6.5 Potable Water Abstraction Licences (within 2000m of the study site).

0	0	0	0	0	0

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

No

6.7 River Quality	on-site	0-50	51-250	251-500	501-1000	1001-1500

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

No	No	No	No	No	No	No

6.8 Detailed River Network entries within 500m of the site

2	5	12	14	-	-

6.9 Surface water features within 250m of the study site

Yes	Yes	Yes	-	-	-

7. Flooding

Report Reference: HMD-441-912071

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7.1 Are there any Environment Agency indicative Zone 2 floodplains within 250m of the study site?	Yes
7.2 Are there any Environment Agency indicative Zone 3 floodplains within 250m of the study site?	Yes
7.3 Are there any Flood Defences within 250m of the study site?	No
7.4 Are there any areas benefiting from Flood Defences within 250m of the study site?	No
7.5 Are there any areas used for Flood Storage within 250m of the study site?	No
7.6 What is the maximum BGS Groundwater Flooding susceptibility within 50m of the study site?	Very High
7.7 What is the BGS confidence rating for the Groundwater Flooding susceptibility areas?	Moderate

8. Designated Environmentally Sensitive Sites	on-site	0-50	51-250	251-500	501-1000	1001-2000
8.1 Records of Sites of Special Scientific Interest (SSSI)	0	0	0	1	0	0
8.2 Records of National Nature Reserves (NNR)	0	0	0	0	0	0
8.3 Records of Local Nature Reserves (LNR)	0	0	0	0	0	1
8.4 Records of Special Areas of Conservation (SAC)	0	0	0	2	0	0
8.5 Records of Special Protection Areas (SPA)	0	0	0	2	0	0
8.6 Records of Ramsar sites	0	0	0	2	0	0
8.7 Records of World Heritage Sites	0	0	0	0	0	0
8.8 Records of Environmentally Sensitive Areas	0	0	0	0	0	0
8.9 Records of Areas of Outstanding Natural Beauty (AONB)	0	0	0	0	0	0
8.10 Records of National Parks	0	0	0	0	0	0
8.11 Records of Nitrate Sensitive Areas	0	0	0	0	0	0

9. Additional Information	on-site	0-50	51-250	250-500
9.1 Records of mobile phone transmitters	0	0	0	0
9.2 Records of potential sites of OfCom telecommunications masts	0	0	0	0
9.3 Records of transmission lines in proximity to the study site	4	0	5	3

10. Natural Hazards

10.1 What is the maximum risk of natural ground subsidence?	Moderate
10.2 Is the property in a radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level?	The property is not in a Radon Affected Area, as less than 1% of properties are above the Action Level
Is the property in an area where radon protection measures are required for new properties or extensions to existing ones as described in publication BR211 by the Building Research Establishment?	No radon protective measures are necessary

11. Mining

11.1 Are there any coal mining areas within 75m of the study site?	No
11.2 What is the risk of subsidence relating to shallow mining within 150m of the study site?	Negligible
11.3 Are there any brine affected areas within 75m of the study site?	No

Using this Report

The following report is designed by Environmental Consultants for Environmental Professionals bringing together the most up-to-date market leading environmental data. This report is provided under and subject to the Terms & Conditions agreed between GroundSure and the Client. The document contains the following sections:

1. Historical Industrial Sites

Provides information on past land uses that may pose a risk to the study site in terms of potential contamination from activities or processes. Potentially Infilled Land features are also included. This search is conducted using radii of up to 250m.

2. Environmental Permits, Incidents and Registers

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

3. Landfills and Other Waste Sites

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

4. Current Land Uses

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

5. Geology

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

6. Hydrogeology and Hydrology

Provides information on groundwater vulnerability, soil leaching potential, abstraction licenses, Source Protection Zones (SPZ) and river quality. These searches are conducted using radii of up to 2000m.

7. 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.

8. Designated Environmentally Sensitive Sites

Provides information on the Sites of Special Scientific Interest (SSSI), National Nature Reserves (NNR), Special Areas of Conservation (SAC), Special Protection Areas (SPA), Ramsar sites, Local Nature Reserves (LNR), Areas of Outstanding Natural Beauty (AONB), National Parks (NP), Environmentally Sensitive Areas, Nitrate Sensitive Areas and World Heritage Sites. These searches are conducted using radii of up to 2000m.

9. Additional Information

Provides information on records of mobile phone transmitters, potential sites of OfCom telecommunication masts and overhead transmission lines up to 500m.

Report Reference: HMD-441-912071

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10. Natural Hazards

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

11. Mining

Provides information on areas of coal and shallow mining.

12. Contacts

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

Note: Maps

Only certain features are placed on the maps within the report. All features represented on maps found within this search are given an identification number. This number identifies the feature on the mapping and correlates it to the additional information provided below. This identification number precedes all other information and takes the following format -Id: 1, Id: 2, etc. Where numerous features on the same map are in such close proximity that the numbers would obscure each other a letter identifier is used instead to represent the features. (e.g. Three features which overlap may be given the identifier "A" on the map and would be identified separately as features 1A, 3A, 10A on the data tables provided).

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

All distances given in this report are in Metres (m). Directions are given as compass headings such as N: North, E: East, NE: North East from the nearest point of the study site boundary.

1. Historical Industrial Sites

1.1 Potentially Contaminative Uses identified from High Detail (1:10,000 scale) Mapping

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

Records of sites with a potentially contaminative past land use within 250m of the search boundary: 27

The following records are not represented on Mapping:

Distance [m]	Direction	Use	Date
0.0	On Site	Unspecified Commercial/Industrial	1973
0.0	On Site	Unspecified Tanks	1973
0.0	On Site	Unspecified Tanks	1973
0.0	On Site	Unspecified Tank	1973
0.0	On Site	Unspecified Tank	1973
0.0	On Site	Unspecified Tank	1973
0.0	On Site	Unspecified Tank	1973
0.0	On Site	Fuel Storage Depot	1973
0.0	On Site	Railway Sidings	1973
0.0	On Site	Gas Works	1973
0.0	On Site	Unspecified Tank	1973
0.0	On Site	Industrial Estate	1973
0.0	On Site	Brick Works	1973
0.0	On Site	Unspecified Works	1973
0.0	On Site	Unspecified Tank	1973
0.0	On Site	Unspecified Works	1973
22.0	W	Unspecified Tanks	1973
28.0	W	Unspecified Tank	1973
49.0	NW	Unspecified Tanks	1973
81.0	W	Unspecified Tanks	1973
110.0	W	Unspecified Tank	1973
113.0	NE	Railway Sidings	1973
137.0	W	Unspecified Tank	1973
149.0	W	Unspecified Tank	1973
176.0	W	Unspecified Tank	1973
178.0	NW	Unspecified Tanks	1973
195.0	N	Unspecified Tanks	1973

1.2 Additional Information – Historical Tank Database

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

Records of historical tanks within 100m of the search boundary: 203

The following records are not represented on Mapping:

Distance (m)	Direction	Use	Date
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1971
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1971
0.0	On Site	Tank (Unspecified)	1971
0.0	On Site	Tank (Unspecified)	1969

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0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1971
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1971
0.0	On Site	Tank (Unspecified)	1971
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1971
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1971
0.0	On Site	Tank (Unspecified)	1971
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1971
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1971
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tanks	1992
0.0	On Site	Tanks	1971
0.0	On Site	Tanks	1997
0.0	On Site	Tanks	1997
0.0	On Site	Tanks	1971
0.0	On Site	Tanks	1992
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1973
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1973
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1973
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1973
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1973
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1973
0.0	On Site	Tanks	1973
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tanks	1997
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tanks	1969
0.0	On Site	Tanks	1973
0.0	On Site	Tank (Unspecified)	1971
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1971
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tanks	1992
0.0	On Site	Tanks	1971
0.0	On Site	Tanks	1997
0.0	On Site	Tanks	1992
0.0	On Site	Tanks	1971
0.0	On Site	Tanks	1997
0.0	On Site	Tanks	1997
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tanks	1997
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1970
0.0	On Site	Tanks	1997
0.0	On Site	Tank (Unspecified)	1973
0.0	On Site	Tank (Unspecified)	1973
0.0	On Site	Tank (Unspecified)	1973
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1971
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1973

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0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1971
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1973
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1973
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1973
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1971
0.0	On Site	Tanks	1960
0.0	On Site	Tanks	1971
0.0	On Site	Tanks	1971
0.0	On Site	Tanks	1960
0.0	On Site	Tanks	1960
0.0	On Site	Tanks	1971
0.0	On Site	Tank (Unspecified)	1971
0.0	On Site	Tank (Unspecified)	1960
0.0	On Site	Tank (Unspecified)	1960
0.0	On Site	Tank (Unspecified)	1971
0.0	On Site	Tanks	1969
0.0	On Site	Tanks	1969
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1973
0.0	On Site	Tank (Unspecified)	1973
0.0	On Site	Tank (Unspecified)	1973
0.0	On Site	Tanks	1973
0.0	On Site	Tanks	1973
0.0	On Site	Tank (Unspecified)	1973
4.0	W	Tanks	1997
4.0	W	Tanks	1973
4.0	W	Tanks	1971
4.0	W	Tanks	1969
5.0	W	Tanks	1992
8.0	W	Tanks	1969
11.0	NE	Tank (Unspecified)	1997
11.0	NE	Tanks	1997
18.0	W	Tanks	1969
20.0	W	Tank (Unspecified)	1971
20.0	W	Tank (Unspecified)	1997
20.0	W	Tank (Unspecified)	1973
21.0	W	Tank (Unspecified)	1969
21.0	W	Tank (Unspecified)	1992
22.0	W	Tanks	1997
22.0	W	Tank (Unspecified)	1969
22.0	W	Tanks	1992
23.0	W	Tank (Unspecified)	1971
27.0	W	Tank (Unspecified)	1969
31.0	W	Tank (Unspecified)	1971
32.0	W	Tank (Unspecified)	1997
32.0	W	Tank (Unspecified)	1973
32.0	W	Tank (Unspecified)	1992
32.0	W	Tank (Unspecified)	1969
32.0	W	Tank (Unspecified)	1997
32.0	W	Tank (Unspecified)	1973
33.0	W	Tank (Unspecified)	1971
33.0	W	Tank (Unspecified)	1969
33.0	W	Tank (Unspecified)	1992
42.0	NW	Tank (Unspecified)	1971
44.0	NW	Tank (Unspecified)	1960
47.0	W	Tank (Unspecified)	1997
47.0	W	Tank (Unspecified)	1973
47.0	W	Tank (Unspecified)	1971
48.0	W	Tank (Unspecified)	1992
48.0	W	Tank (Unspecified)	1969
48.0	W	Tank (Unspecified)	1969
48.0	W	Tank (Unspecified)	1971
51.0	NW	Tanks	1971
51.0	NW	Tanks	1960
52.0	W	Tank (Unspecified)	1997
52.0	W	Tank (Unspecified)	1973
52.0	W	Tank (Unspecified)	1992
52.0	W	Tank (Unspecified)	1971
52.0	W	Tank (Unspecified)	1969
57.0	NW	Tanks	1960

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57.0	NW	Tanks	1971
61.0	N	Tanks	1960
61.0	N	Tanks	1971
61.0	N	Tanks	1971
62.0	N	Tanks	1960
62.0	N	Tanks	1971
66.0	N	Tanks	1971
67.0	N	Tanks	1960
70.0	N	Tanks	1960
71.0	N	Tanks	1971
73.0	W	Tank (Unspecified)	1971
74.0	W	Tank (Unspecified)	1969
74.0	W	Tank (Unspecified)	1973
74.0	NW	Tanks	1971
74.0	W	Tank (Unspecified)	1969
74.0	W	Tank (Unspecified)	1997
74.0	W	Tank (Unspecified)	1973
74.0	W	Tank (Unspecified)	1971
74.0	W	Tank (Unspecified)	1971
74.0	W	Tank (Unspecified)	1992
75.0	W	Tank (Unspecified)	1969
75.0	W	Tank (Unspecified)	1989
76.0	N	Tanks	1960
76.0	N	Tanks	1971
78.0	NW	Tanks	1960
80.0	N	Tanks	1960
81.0	N	Tanks	1971
81.0	W	Tank (Unspecified)	1969
82.0	W	Tank (Unspecified)	1971
92.0	N	Tanks	1960
92.0	N	Tanks	1971
97.0	N	Tanks	1971
97.0	N	Tanks	1960
98.0	W	Tank (Unspecified)	1997
98.0	W	Tank (Unspecified)	1973
98.0	W	Tank (Unspecified)	1971
98.0	W	Tank (Unspecified)	1969
98.0	W	Tank (Unspecified)	1992
100.0	NW	Tanks	1971
100.0	NW	Tanks	1969

1.3 Additional Information – Historical Energy Features Database

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

Records of historical energy features within 100m of the search boundary:

6

The following records are not represented on Mapping:

Distance (m)	Direction	Use	Date
0.0	On Site	Gas Works	1971
0.0	On Site	Gas Works	1997
0.0	On Site	Gas Works	1960
0.0	On Site	Gas Works	1997
73.0	NW	Gas Works	1992
75.0	NW	Gas Works	1969

1.4 Additional Information – Historical Petrol and Fuel Site Database

Report Reference: HMD-441-912071

If you would like any further assistance regarding this report then please contact GroundSure on (T) 08444 159 000, email: info@4c.groundsure.com

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

Records of historical petrol stations and fuel sites within 100m of the search boundary: 0

Database searched and no data found.

1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database

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

Records of historical garage and motor vehicle repair sites within 100m of the search boundary: 0

Database searched and no data found.

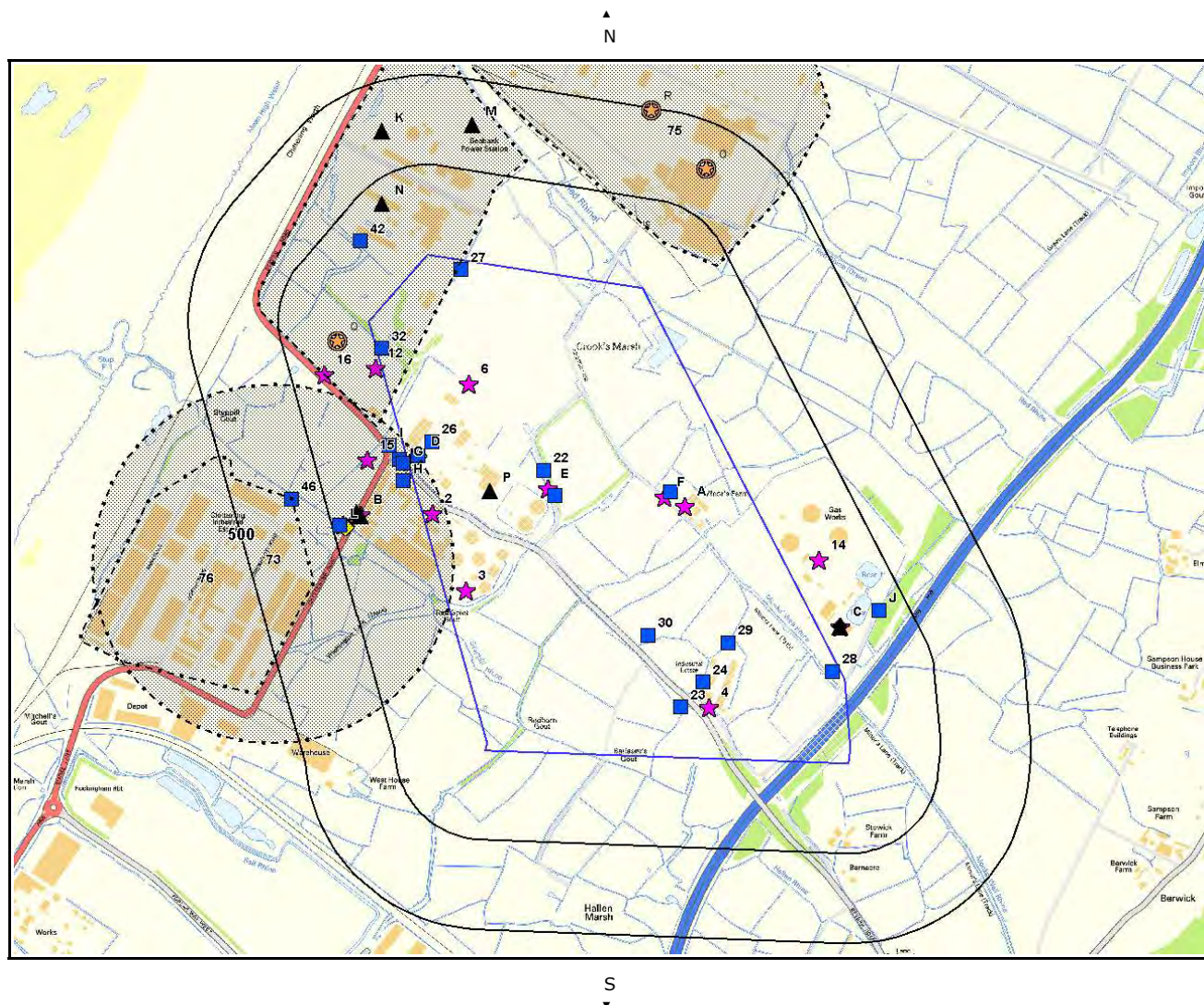
1.6 Potentially Infilled Land

Records of Potentially Infilled Features from 1:10,000 scale mapping within 100m of the study site: 8

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

Distance [m]	Direction	Use	Date
0.0	On Site	Pond	1921
0.0	On Site	Pond	1938
0.0	On Site	Pond	1880
0.0	On Site	Pond	1880
0.0	On Site	Pond	1880
0.0	On Site	Pond	1912
0.0	On Site	Pond	1912
0.0	On Site	Brick Works	1973

2. Environmental Permits, Incidents and Registers Map



Authorisations, Incidents and Registers Legend



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2.Environmental Permits, Incidents and Registers

2.1 Industrial Sites Holding Licences and/or Authorisations

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

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

16

The following IPC Authorisations are represented as points on the Authorisations, Incidents and Registers map:

ID	Distance [m]	Direction	NGR	Details
92B	170.0	W	353440, 181630	Operator: Sevalco Ltd Address: Severn Road, Chittening, Bristol, Avon, BS11 0YL Process: Carbonisation And Associated Processes Permit Number: BD6824 Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
93B	170.0	W	353440, 181630	Operator: Sevalco Ltd Address: Severn Road, Chittening, Bristol, Avon, BS11 0YL Process: Carbonisation And Associated Processes Permit Number: AV3222 Original Permit Number: IPCMINVAR Date Approved: 29-4-1996 Effective Date: 1-6-1996 Status: Superseded By Variation
94B	170.0	W	353440, 181630	Operator: Sevalco Ltd Address: Severn Road, Chittening, Bristol, Avon, BS11 0YL Process: Carbonisation And Associated Processes Permit Number: BG9854 Original Permit Number: IPCMAJVAR Date Approved: 18-5-2000 Effective Date: 1-6-2000 Status: Superseded By Variation
95B	170.0	W	353440, 181630	Operator: Sevalco Ltd Address: Severn Road, Chittening, Bristol, Avon, BS11 0YL Process: Carbonisation And Associated Processes Permit Number: AW5034 Original Permit Number: IPCMAJVAR Date Approved: 4-9-1997 Effective Date: 1-10-1997 Status: Superseded By Variation
96B	170.0	W	353440, 181630	Operator: Sevalco Ltd Address: Severn Road, Chittening, Bristol, Avon, BS11 0YL Process: Carbonisation And Associated Processes Permit Number: AF7916 Original Permit Number: IPCAIRAPP Date Approved: 19-3-1993 Effective Date: 19-3-1993 Status: Superseded By Variation
97B	170.0	W	353440, 181630	Operator: Sevalco Ltd Address: Severn Road, Chittening, Bristol, Avon, BS11 0YL Process: Carbonisation And Associated Processes Permit Number: BJ0064 Original Permit Number: IPCMINVAR Date Approved: 18-7-2000 Effective Date: 1-8-2000 Status: Superseded By Variation
98B	170.0	W	353440, 181630	Operator: Sevalco Ltd Address: Severn Road, Chittening, Bristol, Avon, BS11 0YL Process: Carbonisation And Associated Processes Permit Number: BU6662 Original Permit Number: IPCMINVAR Date Approved: 14-4-2003 Effective Date: 21-4-2003 Status: Superseded By Variation
99B	170.0	W	353440, 181630	Operator: Sevalco Ltd Address: Severn Road, Chittening, Bristol, Avon, BS11 0YL Process: Carbonisation And Associated Processes Permit Number: BV5246 Original Permit Number: IPCMINVAR Date Approved: 4-9-2003 Effective Date: 8-9-2003 Status: Superseded By Variation
100B	170.0	W	353440, 181630	Operator: Sevalco Ltd Address: Severn Road, Chittening, Bristol, Avon, BS11 0YL Process: Carbonisation And Associated Processes Permit Number: BW9158 Original Permit Number: IPCMINVAR Date Approved: 16-11-2003 Effective Date: 17-11-2003 Status: Superseded By Variation
101B	170.0	W	353440, 181630	Operator: Sevalco Ltd Address: Severn Road, Chittening, Bristol, Avon, BS11 0YL Process: Carbonisation And Associated Processes Permit Number: BX8980 Original Permit Number: IPCMINVAR Date Approved: 12-5-2004 Effective Date: 13-5-2004 Status: Superseded By Variation
102B	170.0	W	353440, 181630	Operator: Sevalco Ltd Address: Severn Road, Chittening, Bristol, Avon, BS11 0YL Process: Carbonisation And Associated Processes Permit Number: BZ2125 Original Permit Number: IPCMINVAR Date Approved: 27-6-2005 Effective Date: 1-7-2005 Status: Superseded By Variation

103B	170.0	W	353440, 181630	Operator: Sevalco Ltd Address: Severn Road, Chittening, Bristol, Avon, BS11 0YL Process: Carbonisation And Associated Processes	Permit Number: CA4714 Original Permit Number: IPCMINVAR Date Approved: 19-5-2006 Effective Date: 24-5-2006 Status: Revoked - Now Ippc
104K	361.0	N	353500, 182700	Operator: National Grid Transco Ltd Address: Avonmouth Lng Facility, Severn Road, Hallen, Bristol, Avon, BS10 7SQ Process: Gasification And Associated Processes	Permit Number: AX4246 Original Permit Number: IPCREAPP Date Approved: 23-10-1998 Effective Date: 27-10-1998 Status: Superseded By Variation
105K	361.0	N	353500, 182700	Operator: National Grid Transco Ltd Address: Avonmouth Lng Facility, Severn Road, Hallen, Bristol, Avon, BS10 7SQ Process: Gasification And Associated Processes	Permit Number: BD8037 Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
106K	361.0	N	353500, 182700	Operator: Centrica Storage Ltd Address: Avonmouth Lng Facility, Severn Road, Hallen, Bristol, Avon, BS10 7SQ Process: Gasification And Associated Processes	Permit Number: AF7380 Original Permit Number: IPCAIRAPP Date Approved: 30-4-1993 Effective Date: 30-4-1993 Status: Revoked
107K	361.0	N	353500, 182700	Operator: National Grid Transco Ltd Address: Avonmouth Lng Facility, Severn Road, Hallen, Bristol, Avon, BS10 7SQ Process: Gasification And Associated Processes	Permit Number: BY1433 Original Permit Number: IPCMINVAR Date Approved: 13-9-2004 Effective Date: 20-9-2004 Status: Revoked - Now Ippc

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

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

ID	Distance [m]	Direction	NGR	Details
82P	0.0	On Site	353800, 181700	Operator: Viridor Waste Management Ltd Installation Name: Severn Road Resource Recovery Centre Energy From Waste Facility Process: INCINERATION OF NON HAZARDOUS WASTE >1T/HR Permit Number: GP3834HY Original Permit Number: GP3834HY EPR Reference: - Issue Date: 21/9/2011 Effective Date: 21/9/2011 Last date noted as effective: 2013-01- 23 Status: Effective
83C	52.0	NE	354770, 181320	Operator: Seabank Power Ltd Installation Name: Seabank Power Ltd Process: COMBUSTION; ANY FUEL =>50MW Permit Number: NP3739SQ Original Permit Number: BV3006IN EPR Reference: - Issue Date: 23/11/2004 Effective Date: 26/11/2004 Last date noted as effective: 2013-01- 23 Status: Effective
84C	52.0	NE	354770, 181320	Operator: Seabank Power Ltd Installation Name: Seabank Power Ltd Process: COMBUSTION; ANY FUEL =>50MW Permit Number: BV3006IN Original Permit Number: BV3006IN EPR Reference: - Issue Date: 4/3/2004 Effective Date: 5/3/2004 Last date noted as effective: 2013-01- 23 Status: Superseded
85C	52.0	NE	354770, 181320	Operator: National Grid Gas Plc Installation Name: Avonmouth Lng Storage Facility Process: GASIFICATION, LIQUIFAC. AND REFINING; REFINING GAS => 1000 Te/12 MONTHS Permit Number: SP3639LR Original Permit Number: SP3639LR EPR Reference: - Issue Date: 31/5/2007 Effective Date: 31/5/2007 Last date noted as effective: 2013-01- 23 Status: Effective
86C	52.0	NE	354770, 181320	Operator: National Grid Gas Plc Installation Name: Avonmouth Lng Storage Facility Process: COMBUSTION; ANY FUEL =>50MW Permit Number: SP3639LR Original Permit Number: SP3639LR EPR Reference: - Issue Date: 31/5/2007 Effective Date: 31/5/2007 Last date noted as effective: 2013-01- 23 Status: Effective

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87B	177.0	W	353430, 181640	Operator: Sevalco Limited Installation Name: Sevalco Limited Process: COMBUSTION; ANY FUEL =>20MW BUT <50MW (UNLESS 1.1 A (1) B)	Permit Number: YP3538LY Original Permit Number: YP3538LY EPR Reference: - Issue Date: 1/8/2007 Effective Date: 1/8/2007 Last date noted as effective: 2013-01-23 Status: Superseded
88B	177.0	W	353430, 181640	Operator: Sevalco Limited Installation Name: Sevalco Limited Process: COMBUSTION; ANY FUEL =>20MW BUT <50MW (UNLESS 1.1 A (1) B)	Permit Number: MP3035HZ Original Permit Number: YP3538LY EPR Reference: - Issue Date: - Effective Date: 30/11/2011 Last date noted as effective: 2013-01-23 Status: Surrender Effective
89N	188.0	NW	353500, 182500	Operator: Seabank Power Ltd Installation Name: - Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: BV3006 Original Permit Number: BV3006 EPR Reference: - Issue Date: 4-3-2004 Effective Date: 5-3-2004 Last date noted as effective: 2004-10-01 Status: Superseded By Pas
90M	373.0	N	353750, 182720	Operator: Sita Uk Limited Installation Name: Severnside Energy Recovery Centre Process: INCINERATION OF NON HAZARDOUS WASTE >1T/HR	Permit Number: DP3433ZS Original Permit Number: ZP3937KL EPR Reference: - Issue Date: 20/11/2012 Effective Date: 20/11/2012 Last date noted as effective: 2013-01-23 Status: Effective
91M	373.0	N	353750, 182720	Operator: Sita Uk Limited Installation Name: Severnside Energy Recovery Centre Process: INCINERATION OF NON HAZARDOUS WASTE >1T/HR	Permit Number: ZP3937KL Original Permit Number: ZP3937KL EPR Reference: - Issue Date: 13/7/2010 Effective Date: 13/7/2010 Last date noted as effective: 2013-01-23 Status: Superseded

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.

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.

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

The following List 1 Dangerous Substance Inventory Site records are represented as points on the Authorisations, Incidents and Registers map:

ID	Distance [m]	Direction	NGR	Details
19C	54.0	NE	354770, 181325	Name: Seabank Power Ltd Status: Active Receiving Water: Severn Estuary Authorised Substances: Mercury (other), Cadmium

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 Authorisations, Incidents and Registers map:

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ID	Distance [m]	Direction	NGR	Details
20D	0.0	On Site	353600, 181800	Name: Tarmac Bricks And Tiles Status: Not Active Receiving Water: Severn Estuary (upper) Authorised Substances: pH
21B	217.0	W	353400, 181600	Name: Sevalco Ltd Status: Active Receiving Water: Severn Estuary (upper) Authorised Substances: Chromium, Copper, Lead, pH, Zinc

Records of Part A(2) and Part B Activities and Enforcements within 500m of the study site: 0

Database searched and no data found.

Records of Category 3 or 4 Radioactive Substance Licences within 500m of the study site: 0

Database searched and no data found.

Records of Licensed Discharge Consents within 500m of the study site: 25

The following Licensed Discharge Consents records are represented as points on the Authorisations, Incidents and Registers map:

ID	Distance [m]	Direction	NGR	Details
22	0.0	On Site	353950, 181760	Address: Land Off Ableton Lane/minors Lane, Off Severn Road, Avonmouth, Bristol, . Effluent Type: Trade Discharges - Site Drainage Permit Number: 102226 Permit Version: 1 Receiving Water: Trib Of The Stup Pill Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: - Effective Date: 12/8/2003 Revocation Date: -
23	0.0	On Site	354330, 181100	Address: The Willows, Severn Road, Hallen, Bristol, BS10 7RZ Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: 012642 Permit Version: 1 Receiving Water: Un-named Watercourse Status: Lapsed Under Schedule 23 Environment Act 1995 Issue date: 14/2/1995 Effective Date: 7/2/1995 Revocation Date: 1/10/1996
24	0.0	On Site	354390, 181170	Address: Hallen Industrial Estate, Severn Road, Hallen, Bristol, . Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: 101116 Permit Version: 1 Receiving Water: Un-named Rhine Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 24/2/2000 Effective Date: 22/2/2000 Revocation Date: -
25D	0.0	On Site	353600, 181800	Address: Severn Valley Brickworks, Chittening Road, Avonmouth, Bristol, BS11 0YB Effluent Type: Trade Discharges - Process Effluent - Water Company (wtw) Permit Number: 021239 Permit Version: 1 Receiving Water: - Status: Revoked - Appeal Period (Water Act 1989 Sched 12, 6 & 8) Issue date: - Effective Date: 11/2/1983 Revocation Date: 1/3/1994
26	0.0	On Site	353640, 181840	Address: Tarmac Bricks & Tiles Ltd, Severn Valley Factory, Severn Road, Avonmouth, Bristol, BS11 0YL Effluent Type: Trade Discharges - Process Effluent - Water Company (wtw) Permit Number: 012424 Permit Version: 1 Receiving Water: Stup Pill Status: Revoked (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 15/3/1994 Effective Date: 1/3/1994 Revocation Date: 4/3/1999
27	0.0	On Site	353720, 182320	Address: Seabank Power Station, Severn Road, Hallen, Bristol Effluent Type: Trade Discharges - Process Effluent - Water Company (wtw) Permit Number: 013265 Permit Version: 1 Receiving Water: Rhine Drainage To Red Rhine Status: Consent Revoked - Discharge Ceased (wra 91, Sched 10 & 6) Issue date: 14/3/1996 Effective Date: 8/3/1996 Revocation Date: 26/2/1997

28	0.0	On Site	354750, 181200	Address: British Pipeline Agency Ltd, Berwick Lane, Hallen, Bristol, BS10 7RS Effluent Type: Trade Discharges - Site Drainage Permit Number: 011967 Permit Version: 1	Receiving Water: Monks Well Rhine Status: New Consent, By Application (wra 91, Section 113 & Sched 12) Issue date: 4/2/1993 Effective Date: 2/2/1993 Revocation Date: -
29	0.0	On Site	354460, 181280	Address: Fish & Skips, Hallen Works, Severn Road, Hallen, Bristol, BS10 7SE Effluent Type: Trade Discharges - Site Drainage Permit Number: 101121 Permit Version: 1	Receiving Water: Trib Of Stut Pill Status: Revoked (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 15/3/2000 Effective Date: 29/2/2000 Revocation Date: 2/4/2002
30	0.0	On Site	354240, 181300	Address: Street Farm, Land Adjacent To, Halstock, Yeovil, Somerset Effluent Type: Miscellaneous Discharges - Surface Water Permit Number: 071264 Permit Version: 1	Receiving Water: Un-named Tributary Status: Lapsed Under Schedule 23 Environment Act 1995 Issue date: - Effective Date: 23/8/1990 Revocation Date: 1/10/1996
31E	0.0	On Site	353980, 181690	Address: Land Off Ableton Lane/minors Lane, Off Severn Road, Avonmouth, Bristol, . Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: 102225 Permit Version: 1	Receiving Water: Trib Of The Stup Pill Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: - Effective Date: 12/8/2003 Revocation Date: -
32	0.0	On Site	353500, 182100	Address: Former Texaco Oil Depot, Severn Road, Avonmouth, Bristol, BS11 0YL Effluent Type: Trade Discharges - Site Drainage (contam Surface Water, Not Waste Sit Permit Number: 101305 Permit Version: 1	Receiving Water: Trib Of Stup Pill Status: Revoked - Unspecified Issue date: - Effective Date: 22/9/2000 Revocation Date: 22/7/2003
33F	0.0	On Site	354300, 181700	Address: Halstock Stw, Sewage Treatment Works, Halstock, Somerset, BA22 9RL Effluent Type: Sewage Discharges - Final/treated Effluent - Water Company Permit Number: 071221 Permit Version: 1	Receiving Water: Trib Of River Yeo Status: New Consent, By Application (wra 91, Section 113 & Sched 12) Issue date: 11/5/1990 Effective Date: 25/4/1990 Revocation Date: 29/3/2006
34F	0.0	On Site	354300, 181700	Address: Halstock Stw, Sewage Treatment Works, Halstock, Somerset, BA22 9RL Effluent Type: Sewage Discharges - Stw Storm Overflow/storm Tank - Water Company Permit Number: 071221 Permit Version: 1	Receiving Water: Trib Of River Yeo Status: New Consent, By Application (wra 91, Section 113 & Sched 12) Issue date: 11/5/1990 Effective Date: 25/4/1990 Revocation Date: 29/3/2006
35G	14.0	W	353560, 181780	Address: Severn Valley Brickworks, Chittening Road, Avonmouth, Bristol, BS11 0YB Effluent Type: Trade Discharges - Unspecified Permit Number: 102159 Permit Version: 2	Receiving Water: Stup Pill Rhine Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: - Effective Date: - Revocation Date: -
36G	21.0	W	353550, 181790	Address: Severn Valley Brickworks, Chittening Road, Avonmouth, Bristol, BS11 0YB Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: 102159 Permit Version: 1	Receiving Water: Stup Pill Rhine Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 26/2/2004 Effective Date: 22/4/2003 Revocation Date: 27/2/2004
37G	21.0	W	353550, 181790	Address: Severn Valley Brickworks, Chittening Road, Avonmouth, Bristol, BS11 0YB Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: 102159 Permit Version: 2	Receiving Water: Stup Pill Rhine Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: - Effective Date: - Revocation Date: -
38H	28.0	W	353560, 181730	Address: Severn Valley Brickworks, Chittening Road, Avonmouth, Bristol, BS11 0YB Effluent Type: Trade Discharges - Site Drainage (contam Surface Water, Not Waste Sit Permit Number: 102159 Permit Version: 1	Receiving Water: Stup Pill Rhine Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 26/2/2004 Effective Date: 22/4/2003 Revocation Date: 27/2/2004

39H	28.0	W	353560, 181730	Address: Severn Valley Brickworks, Chittening Road, Avonmouth, Bristol, BS11 0YB Effluent Type: Trade Discharges - Site Drainage (contam Surface Water, Not Waste Sit Permit Number: 102159 Permit Version: 2	Receiving Water: Stup Pill Rhine Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: - Effective Date: - Revocation Date: -
40I	39.0	W	353520, 181830	Address: Severn Valley Brickworks, Chittening Road, Avonmouth, Bristol, BS11 0YB Effluent Type: Trade Discharges - Site Drainage (contam Surface Water, Not Waste Sit Permit Number: 102159 Permit Version: 2	Receiving Water: Stup Pill Rhine Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: - Effective Date: - Revocation Date: -
41I	39.0	W	353520, 181830	Address: Severn Valley Brickworks, Chittening Road, Avonmouth, Bristol, BS11 0YB Effluent Type: Trade Discharges - Site Drainage (contam Surface Water, Not Waste Sit Permit Number: 102159 Permit Version: 1	Receiving Water: Stup Pill Rhine Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 26/2/2004 Effective Date: 22/4/2003 Revocation Date: 27/2/2004
42	166.0	NW	353440, 182400	Address: Seabank Power Station, Severn Road, Hallen, Bristol Effluent Type: Miscellaneous Discharges - Surface Water Permit Number: 013516 Permit Version: 1	Receiving Water: Un-named Rhyne Status: Revoked (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 12/3/1997 Effective Date: 26/2/1997 Revocation Date: 6/8/2001
43J	172.0	NE	354880, 181370	Address: British Gas Transco Storage, Severn Road, Hallen, Bristol, . Effluent Type: Trade Discharges - Site Drainage Permit Number: 100158 Permit Version: 1	Receiving Water: Monks Well Rhine Status: Revoked (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 24/3/1997 Effective Date: 24/3/1997 Revocation Date: 16/4/2008
44J	172.0	NE	354880, 181370	Address: British Gas Transco Storage, Severn Road, Hallen, Bristol, . Effluent Type: Miscellaneous Discharges - Surface Water Permit Number: 010152 Permit Version: 1	Receiving Water: Monks Well Rhine Status: Lapsed Under Schedule 23 Environment Act 1995 Issue date: - Effective Date: 1/4/1986 Revocation Date: 1/10/1996
45L	230.0	W	353384, 181607	Address: Recycling Depot, Chittening Ind Est, Severn Road, Chittening, Avonmouth, Bristol, BS11 0YL Effluent Type: Trade Discharges - Site Drainage Permit Number: 103664 Permit Version: 1	Receiving Water: Stuphill Rhine Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 19/4/2007 Effective Date: 1/6/2007 Revocation Date: -
46	340.0	W	353250, 181680	Address: Durston Plant Contractors Ltd, Greensplott Road, Chittening Industrial Estate, Avonmouth, Bristol, BS11 0YE Effluent Type: Trade Discharges - Process Effluent - Water Company (wtw) Permit Number: 013177 Permit Version: 1	Receiving Water: Un-named Watercourse Status: Revoked (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 9/5/1996 Effective Date: 1/5/1996 Revocation Date: 1/3/2007

Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site: 5

The following records are represented as polygons on the Industrial Sites and Processes map.

ID	Distance [m]	Direction	Application Reference Number	Application Status	Application Date	Address	Details	Details of Enforcement Action

108 Q	101.0	W	08/03940/W	Application Cancelled	10/09/200 8	Sevalco Ltd, Severn Road , Avonmouth, Bristol, BS11 0YU	Hazardous Substances consent application for Fluidised Catalytic Cracker feedstock, Coal Tar Oil feedstock, Line Plug Oil and Diesel.	Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
109 O	376.0	NE	P92/70000/ HSC	Approved	05/11/199 2	ICI Chemicals and Polymers Ltd, ICI Severnside Works, Hallen, South Gloucestershire , BS10 7ZE	Storage of 250 tonnes solid ammonium nitrate fertilizer in new hopper on the ammonium nitrate plant	Enforcement: No Enforcement Notified Date of Enforcement: No enforcement notified Comment: No enforcement notified
110 O	376.0	NE	P98/2755/H SC	Approved	23/11/199 8	Terra Nitrogen (UK) Ltd , Severnside Fertilizer Works, Hallen, BS10 7SJ	Increased storage of solid ammonium nitrate based fertilizer from 45,000 tonnes to 100,000 tonnes	Enforcement: No Enforcement Notified Date of Enforcement: No enforcement notified Comment: No enforcement notified
111 O	376.0	NE	P96/1201/H SC	Approved	09/02/199 6	ICI Chemicals and Polymers Ltd, ICI Severnside Works, Hallen, South Gloucestershire , BS10 7ZE	Increased storage of ammonium nitrate fertiliser to a maximum of 45,000 tonnes	Enforcement: No Enforcement Notified Date of Enforcement: No enforcement notified Comment: No enforcement notified
112 R	493.0	N	PT00/2033/ HS	Approved	26/06/200 0	Terra Nitrogen (UK) Ltd Severnside Fertilizer Works, Hallen, BS10 7SJ	Increase total capacity of storage of Ammonium Nitrate fertilizer from 100,000 tonnes to 150,000 tonnes with additional storage areas as identified on submitted plans.	Enforcement: No Enforcement Notified Date of Enforcement: No enforcement notified Comment: No enforcement notified

2.2 Dangerous or Hazardous Sites

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

4

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

ID	Distance [m]	Direction	NGR	Address	Type	Update

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73	0.0	On Site	353200, 181500	a e murphy ltd,chittening industrial estate,avonmouth,bristol,bs11 0yb	NIHHS	2001
74 N	0.0	On Site	354700, 181500	british gas,avonmouth storage installation,severn road,hallen,bristol	COMAH	2001
75	141.0	NE	353800, 182800	terra nitrogen (uk) ltd,severn road,hallen,bristol,bs10 7sj	COMAH	2001
76	338.0	W	353200, 181500	shell gas ltd,chittening industrial estate,bristol,bs11 0yb	NIHHS	2001

2.3 Environment Agency Recorded Pollution Incidents

Records of National Incidents Recording System, List 2 within 250m of the study site:

18

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

ID	Distance [m]	Direction	NGR	Details
1F	0.0	On Site	354283, 181686	Incident Date: 1/9/2003 Incident Identification: 186492 Pollutant: Specific Waste Materials Pollutant Description: Vehicles and Vehicle Parts Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
2	0.0	On Site	353640, 181640	Incident Date: 7/8/2003 Incident Identification: 180015 Pollutant: Inorganic Chemicals/Products Pollutant Description: Other Inorganic Chemical or Product Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
3	0.0	On Site	353733, 181426	Incident Date: 15/8/2002 Incident Identification: 100351 Pollutant: Oils and Fuel Pollutant Description: Other Oil or Fuel Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
4	0.0	On Site	354407, 181099	Incident Date: 17/7/2001 Incident Identification: 16875 Pollutant: Oils and Fuel Pollutant Description: Diesel Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
5E	0.0	On Site	353959, 181709	Incident Date: 15/5/2002 Incident Identification: 78842 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)
6	0.0	On Site	353740, 182000	Incident Date: 5/10/2001 Incident Identification: 37794 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
7A	0.0	On Site	354339, 181661	Incident Date: 3/3/2010 1 Incident Identification: 758438 Pollutant: Specific Waste Materials Pollutant Description: Asbestos Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)
8A	0.0	On Site	354339, 181661	Incident Date: 3/3/2010 1 Incident Identification: 758438 Pollutant: Specific Waste Materials Pollutant Description: Tyres Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)
9A	0.0	On Site	354339, 181661	Incident Date: 3/3/2010 1 Incident Identification: 758438 Pollutant: Specific Waste Materials Pollutant Description: Metal Wastes Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)
10A	0.0	On Site	354339, 181661	Incident Date: 3/3/2010 1 Incident Identification: 758438 Pollutant: Specific Waste Materials Pollutant Description: Household Waste Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)
11A	0.0	On Site	354339, 181661	Incident Date: 3/3/2010 1 Incident Identification: 758438 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)
12	19.0	W	353481, 182046	Incident Date: 2/4/2001 Incident Identification: 1373 Pollutant: Inert Materials and Wastes Pollutant Description: Soils and Clay Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

Report Reference: HMD-441-912071

13C	54.0	NE	354770, 181325	Incident Date: 30/9/2001 Incident Identification: 37226 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
14	87.0	NE	354711, 181511	Incident Date: 2/2/2005 1 Incident Identification: 290809 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 3 (Minor) Land Impact: Category 2 (Significant) Air Impact: Category 2 (Significant)
15	108.0	W	353460, 181790	Incident Date: 7/2/2005 1 Incident Identification: 291946 Pollutant: Oils and Fuel Pollutant Description: Kerosene and Aviation Fuel	Water Impact: Category 2 (Significant) Land Impact: Category 2 (Significant) Air Impact: Category 3 (Minor)
16	161.0	W	353339, 182027	Incident Date: 21/2/2002 Incident Identification: 59855 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
17B	167.0	W	353441, 181636	Incident Date: 10/5/2001 Incident Identification: 5806 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
18B	221.0	W	353393, 181608	Incident Date: 2/2/2008 1 Incident Identification: 561280 Pollutant: Oils and Fuel Pollutant Description: Other Oil or Fuel	Water Impact: Category 2 (Significant) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)

Records of National Incidents Recording System, List 1 within 250m of the study site:

0

Database searched and no data found.

2.4 Sites Determined as Contaminated Land under Part IIA EPA 1990¹

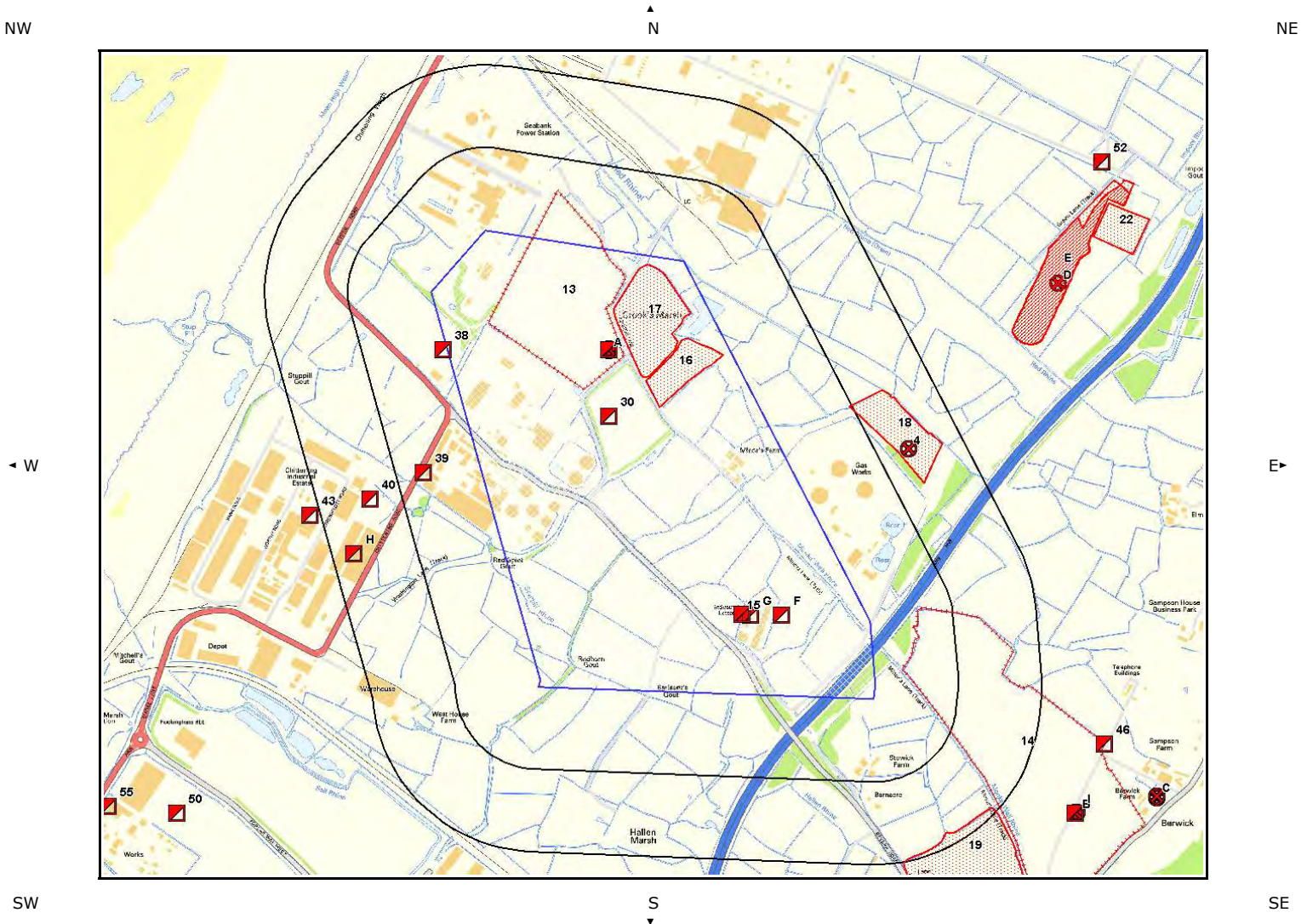
How many records of sites determined as contaminated land under Section 78R of the Environmental Protection Act 1990 are there within 500m of the study site?

0

Database searched and no data found.

¹Further information on sites that have been determined under the Contaminated Land Regime is maintained by Local Authorities under Section 78R of the Environmental Protection Act 1990. Information should be available on both sites currently determined as Contaminated Land and Special Sites.

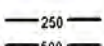
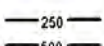
3. Landfill and Other Waste Sites Map



Landfill & Other Waste Sites Legend

Mapping sourced from
Ordnance Survey

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 Site Outline	 E.A. Active Landfill	 Operational Waste Treatment Licence
 Search Buffers (m)	 E.A. Historic Landfill (Area Data)	 Closed Waste Treatment Licence
 Search Buffers (m)	 E.A. Historic Landfill (Point Data)	 REGIS Waste Licence
	 BGS / DoE Survey Landfill	 Operational Landfill
	 Local Authority Landfill (Area Data)	 Closed Landfill
	 Local Authority Landfill (Point Data)	

3. Landfill and Other Waste Sites

3.1 Landfill Sites

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

2

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

ID	Distance [m]	Direction	NGR	Details
13	0.0	On Site	354000, 182000	Address: Crooks Marsh Farm, Land / Premises At, Crooks Marsh Farm, Hallen, Bristol, Avon, BS10 7SF Landfill Reference: 27256.0 Regis Reference: AVO329 Landfill Type: A1 : Co-Disposal Landfill Site Operator: Bristol City Council Status: Issued IPPC Reference:
14	84.0	E	355490, 180809	Address: Berwick Farm Landfill, Berwick Farm Landfill Site, Berwick Lane, Hallen, Bristol, Avon, BS10 7RS Landfill Reference: 27242.0 Regis Reference: CLI134 Landfill Type: A2 : Other Landfill Site taking Special Waste Operator: Cliffeville Ltd Status: Modified IPPC Reference:

Records of operational landfill sites sourced from Landmark within 1000m of the study site:

2

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

ID	Distance [m]	Direction	NGR	Details
1A	0.0	On Site	354000, 181995	Site Address: Crooks Marsh Farm, Hallen, Avonmouth, BRISTOL, Avon, Agency Reference: EAWML29785 Waste Type: Difficult Waste Description: Difficult Landfill Known Restrictions: No known restriction on source of waste Record Date: 01-Mar-1997 Transfer Date: Modification Date: Status: Operational as far as is known Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
2B	699.0	SE	355405, 180600	Site Address: Berwick Farm Berwick Lane, Hallen, Avonmouth, BRISTOL, Avon, Agency Reference: EAWML29768 Waste Type: Difficult Waste Description: Difficult Landfill Known Restrictions: No known restriction on source of waste Record Date: 01-Feb-1998 Transfer Date: Modification Date: 01-Mar-1999 Status: Operational as far as is known Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Large (< 250,000 tonnes/year)

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

9

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
16	0.0	On Site	354200, 181900	Site Address: Crooks Marsh Farm, Hallen, Avonmouth Waste Licence: Yes Site Reference: S/BL/T/30 Waste Type: Inert, Industrial Regis Reference: - Licence Issue: 16-Jan-1986 Licence Surrendered: Licence Hold Address: Avon House, Barton Operator: -
17	0.0	On Site	354100, 182000	Site Address: Crooks Marsh Farm Sevalco, Hallen, Avonmouth Waste Licence: Yes Site Reference: S/NA/T/5A Waste Type: Inert, Industrial, Commercial Regis Reference: - Licence Issue: 17-Oct-1977 Licence Surrendered: 31-Dec-1979 Licence Hold Address: Avon House North, St James Barton, Bristol Operator: -

Report Reference: HMD-441-912071

18	242.0	NE	354800, 181700	Site Address: Crooks Marsh Farm Sevalco, Hallen, Avonmouth Waste Licence: Yes Site Reference: S/NA/T/5 Waste Type: Inert, Industrial, Commercial Regis Reference: -	Licence Issue: 17-Oct-1977 Licence Surrendered: 31-Dec-1979 Licence Hold Address: Avon House North, St James Barton, Bristol Operator: -
19	459.0	SE	355100, 180300	Site Address: Land at Fishers Farm, Hallen, Bristol, Avon Waste Licence: Yes Site Reference: L/NA/T/87 Waste Type: Inert, Industrial, Commercial, Household Regis Reference: -	Licence Issue: 18-Aug-1980 Licence Surrendered: 15-Feb-1994 Licence Hold Address: PO Box 8, Ettingshall, Wolverhampton Operator: -
20E	782.0	NE	355300, 182200	Site Address: Severnside Works, Hallen, Bristol Waste Licence: Yes Site Reference: L/NA/T/41 Waste Type: Inert, Industrial, Special Regis Reference: -	Licence Issue: 19-Dec-1978 Licence Surrendered: 24-Mar-1993 Licence Hold Address: The Heath, Runcorn Operator: -
21E	782.0	NE	355300, 182200	Site Address: Severnside Works, Hallen, Bristol Waste Licence: Yes Site Reference: L/NA/T/121 Waste Type: Inert, Industrial, Special Regis Reference: -	Licence Issue: 09-Feb-1982 Licence Surrendered: 24-Mar-1993 Licence Hold Address: Severnside Works, Hallen, Bristol Operator: -
22	1130.0	NE	355500, 182300	Site Address: Severnside Works, Hallen, Bristol Waste Licence: Yes Site Reference: L/NA/T/30 Waste Type: Inert, Industrial, Liquid sludge Regis Reference: -	Licence Issue: 14-Aug-1978 Licence Surrendered: 12-Nov-1992 Licence Hold Address: The Heath, Runcorn, Cheshire Operator: -
Not shown	1152.0	N	353700, 183700	Site Address: Severnside Works, Hallen Waste Licence: Yes Site Reference: L/NA/T/29 Waste Type: Inert Regis Reference: -	Licence Issue: 14-Aug-1978 Licence Surrendered: 12-Nov-1992 Licence Hold Address: The Heath, Runcorn, Cheshire Operator: -
Not shown	1325.0	SW	352600, 180300	Site Address: Tenneco Organics Limited, Rockingham Works, Avonmouth, Bristol Waste Licence: Yes Site Reference: L/BL/T/53 Waste Type: Inert, Liquid sludge Regis Reference: -	Licence Issue: 23-Apr-1979 Licence Surrendered: 19-Oct-1992 Licence Hold Address: Rockingham Works, Avonmouth, Bristol Operator: -

Records of non-operational landfill sites sourced from Landmark within 1000m of the study site:

8

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

ID	Distance [m]	Direction	NGR	Details
3A	0.0	On Site	354000, 182000	Site Address: Crooks Marsh.(Port Bristol/Sevalco), Hallen, Avonmouth, BRISTOL, Avon, Landfill Licence: 01BAKVAL Agency Reference: Waste Type: Putrescible Waste Description: Putrescible Landfill Known Restrictions: No known restriction on source of waste Record Date: 01-Jan-1986 Transfer Date: Modification Date: 01-Nov-1990 Status: Record superseded Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
4	341.0	NE	354900, 181700	Site Address: Crooks Marsh Farm (Sevalco), Hallen, Avonmouth, BRISTOL, Avon Landfill Licence: 01DABVAL Agency Reference: Waste Type: Difficult Waste Description: Difficult Landfill Known Restrictions: No known restriction on source of waste Record Date: 31-Aug-1978 Transfer Date: Modification Date: Status: Licence lapsed/cancelled/defunct/not applicable/surrendered Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined

5B	695.0	SE	355400, 180600	Site Address: Berwick Farm Berwick Lane, Hallen, Avonmouth, BRISTOL, Avon, Landfill Licence: 01DACRAL Agency Reference: Waste Type: Putrescible Waste Description: Putrescible Landfill Known Restrictions: No known restriction on source of waste	Record Date: 01-Dec-1982 Transfer Date: Modification Date: 31-Aug-1986 Status: Record superseded Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Large (< 250,000 tonnes/year)
Not shown	711.0	SE	355100, 180300	Site Address: Fishers Farm, Hallen, Avonmouth, BRISTOL, Avon, Landfill Licence: 01DADPAL Agency Reference: Waste Type: Difficult Waste Description: Difficult Landfill Known Restrictions: No known restriction on source of waste	Record Date: 31-Jul-1980 Transfer Date: 30-Jun-1993 Modification Date: Status: Licence lapsed/cancelled/defunct/not applicable/surrendered Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
7C	900.0	E	355647, 180649	Site Address: Berwick Farm Berwick Lane, Hallen, Avonmouth, BRISTOL, Avon, Landfill Licence: 01DAKDAL Agency Reference: Waste Type: Putrescible Waste Description: Putrescible Landfill Known Restrictions: No known restriction on source of waste	Record Date: 31-May-1987 Transfer Date: Modification Date: 01-Feb-1990 Status: Record superseded Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Large (< 250,000 tonnes/year)
8C	902.0	E	355647, 180644	Site Address: Berwick Farm Berwick Lane, Hallen, Avonmouth, BRISTOL, Avon, Landfill Licence: 01DAPTAL Agency Reference: Waste Type: Difficult Waste Description: Difficult Landfill Known Restrictions: No known restriction on source of waste	Record Date: 01-Feb-1994 Transfer Date: Modification Date: 31-Aug-1994 Status: Record superseded Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Medium (< 75,000 tonnes/year)
9D	970.0	NE	355350, 182200	Site Address: Severnside Works (landfill), Hallen, Avonmouth, BRISTOL, Avon Landfill Licence: 01DAEFAL Agency Reference: Waste Type: Difficult Waste Description: Difficult Landfill Known Restrictions: Only waste produced on site	Record Date: 01-Feb-1982 Transfer Date: 01-Feb-1988 Modification Date: Status: Licence lapsed/cancelled/defunct/not applicable/surrendered Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Very Small (<10,000 tonnes/year)
10D	970.0	NE	355350, 182200	Site Address: Severnside Works (landfill), Hallen, Avonmouth, BRISTOL, Avon Landfill Licence: 01DAGWAL Agency Reference: Waste Type: Putrescible Waste Description: Putrescible Landfill Known Restrictions: Only waste produced on site	Record Date: 01-Dec-1978 Transfer Date: 01-Feb-1988 Modification Date: Status: Licence lapsed/cancelled/defunct/not applicable/surrendered Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Very Small (<10,000 tonnes/year)

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

0

Database searched and no data found.

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

1

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

ID	Distance [m]	Direction	Site Address	Source	Data Type
58D	781.0	NE	Refuse Tip	1971 mapping	Polygon

3.2 Other Waste Sites

Records of operational waste treatment, transfer or disposal sites within 500m of the study site: 1

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
15	0.0	On Site	354400, 181200	Site Address: Hallen Works; Severn Road, Hallen, Avonmouth, BRISTOL, Avon, BS10 7SE Landfill Licence: F32ACHAL EA Reference: EAWML26016 Waste Type: Putrescible Rating: Putrescible Transfer Known Restrictions: No known restriction on source of waste Record Date: 31-May-2000 Transfer Date: Modification Date: Status: Operational as far as is known Category: TRANSFER Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Very Small (<10,000 tonnes/year)

Records of non-operational waste treatment, transfer or disposal sites within 500m of the study site: 0

Database searched and no data found.

Records of Environment Agency licensed waste sites within 1500m of the study site: 33

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
25F	0.0	On Site	354519, 181199	Site Address: Willow Farm, Severn Road, Severnside, South Gloucs, BS10 7SE Type: Use of waste in construction Size: <100,000 tps Size: < 25000 tonnes Regis Licence Number: CHU080 Operator: Churngold Recycling Ltd Surrendered Date: - Waste Management licence No: 103266 Annual Tonnage: 99999.0 Issue Date: 11/11/2011 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Willow Farm Cancelled Date: - Correspondence Address: -, -
26A	0.0	On Site	354000, 182000	Site Address: Crooks Marsh Farm, Land / Premises At, Crooks Marsh Farm, Hallen, Bristol, Avon, BS10 7SF Type: Co-Disposal Landfill Site Size: < 25000 tonnes Regis Licence Number: AVO329 Operator: Bristol City Council Surrendered Date: - Waste Management licence No: 27256 Annual Tonnage: 52000.0 Issue Date: 16/01/1986 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Crooks Marsh Farm Landfill Site Cancelled Date: - Correspondence Address: -, -
27A	0.0	On Site	354000, 182000	Site Address: Crooks Marsh Farm, Hallen, Crooks Marsh Farm, Hallen, Bristol Type: Co-Disposal Landfill Site Size: >= 75000 tonnes Regis Licence Number: AVO329 Operator: Bristol City Council Surrendered Date: - Waste Management licence No: 27256 Annual Tonnage: 0.0 Issue Date: 16/01/1986 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Crooks Marsh Farm Landfill Site Cancelled Date: - Correspondence Address: Brunel House, Brunel House, St Georges Road, Bristol, Avon, BS1 5UY

28F	0.0	On Site	354519, 181199	Site Address: Willow Farm, Severn Road, Severnside, South Gloucs, BS10 7SE Type: Use of waste in construction <100,000 tps Size: < 25000 tonnes Regis Licence Number: CHU089 Operator: M J Church (Plant) Ltd Surrendered Date: - Waste Management licence No: 103266 Annual Tonnage: 99999.0	Issue Date: 11/11/2011 Expiry Date: - Effective Date: 27/07/2012 Status: Transferred Modified: - Site Name: Willow Farm Cancelled Date: - Correspondence Address: -, -
29G	0.0	On Site	354424, 181199	Site Address: Unit J1 Hallen Ind Est, Severn Road, Hallen, Bristol, Avon, BS10 7SE Type: ELV Facility Size: < 25000 tonnes Regis Licence Number: ACS010 Operator: Fallows Marc Surrendered Date: - Waste Management licence No: 26096 Annual Tonnage: 2499.0	Issue Date: 14/09/2004 Expiry Date: - Effective Date: 22/06/2010 Status: Transferred Modified: - Site Name: Unit J1 Hallen Industrial Estate Cancelled Date: - Correspondence Address: -, -
30	0.0	On Site	354000, 181800	Site Address: Ableton Lane, Severn Beach, Chittening, Bristol, Avon, BS10 0YB Type: Metal Recycling Site (Vehicle Dismantler) Size: < 25000 tonnes Regis Licence Number: HAL425 Operator: D Hales Ltd Surrendered Date: - Waste Management licence No: 26079 Annual Tonnage: 25000.0	Issue Date: 09/10/2003 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Ableton Lane Cancelled Date: - Correspondence Address: -, -
31G	0.0	On Site	354400, 181200	Site Address: Unit C, Hallen Ind Est, Severn Road, Hallen, South Gloucs, BS10 7SE Type: - Size: < 25000 tonnes Regis Licence Number: ABL001 Operator: Able Waste Management Ltd Surrendered Date: - Waste Management licence No: 26171 Annual Tonnage: 0.0	Issue Date: 23/06/2005 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Able Waste Management Recycling & Transfer Facility Cancelled Date: - Correspondence Address: -, 3, Alma Vale Road, Clifton, Bristol, BS8 2HL
32G	0.0	On Site	354400, 181200	Site Address: Unit C, Hallen Ind Est, Severn Road, Hallen, South Gloucs, BS10 7SE Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Regis Licence Number: ABL001 Operator: Able Waste Management Ltd Surrendered Date: - Waste Management licence No: 26171 Annual Tonnage: 0.0	Issue Date: 23/06/2005 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Able Waste Management Recycling & Transfer Facility Cancelled Date: - Correspondence Address: -, 3, Alma Vale Road, Clifton, Bristol, BS8 2HL
33G	0.0	On Site	354400, 181200	Site Address: Unit N1, Hallen Industrial Estate, Severn Road, Hallen, Bristol, Avon, BS10 7SE Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Regis Licence Number: EUR271 Operator: Euro Recycling Ltd Surrendered Date: 03/02/2010 Waste Management licence No: 26188 Annual Tonnage: 0.0	Issue Date: 17/01/2006 Expiry Date: - Effective Date: - Status: Surrendered Modified: - Site Name: Euro Recycling W E E E Recycling Facility Cancelled Date: - Correspondence Address: -, -
34G	0.0	On Site	354400, 181200	Site Address: Fish & Skips, Severn Road, Hallen, Gloucestershire, BS10 7SE Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Regis Licence Number: FIS001 Operator: Fish Paul Surrendered Date: - Waste Management licence No: 26016 Annual Tonnage: 5000.0	Issue Date: 19/06/2000 Expiry Date: - Effective Date: - Status: Revoked Modified: - Site Name: Fish & Skips Transfer Station Cancelled Date: - Correspondence Address: -, -

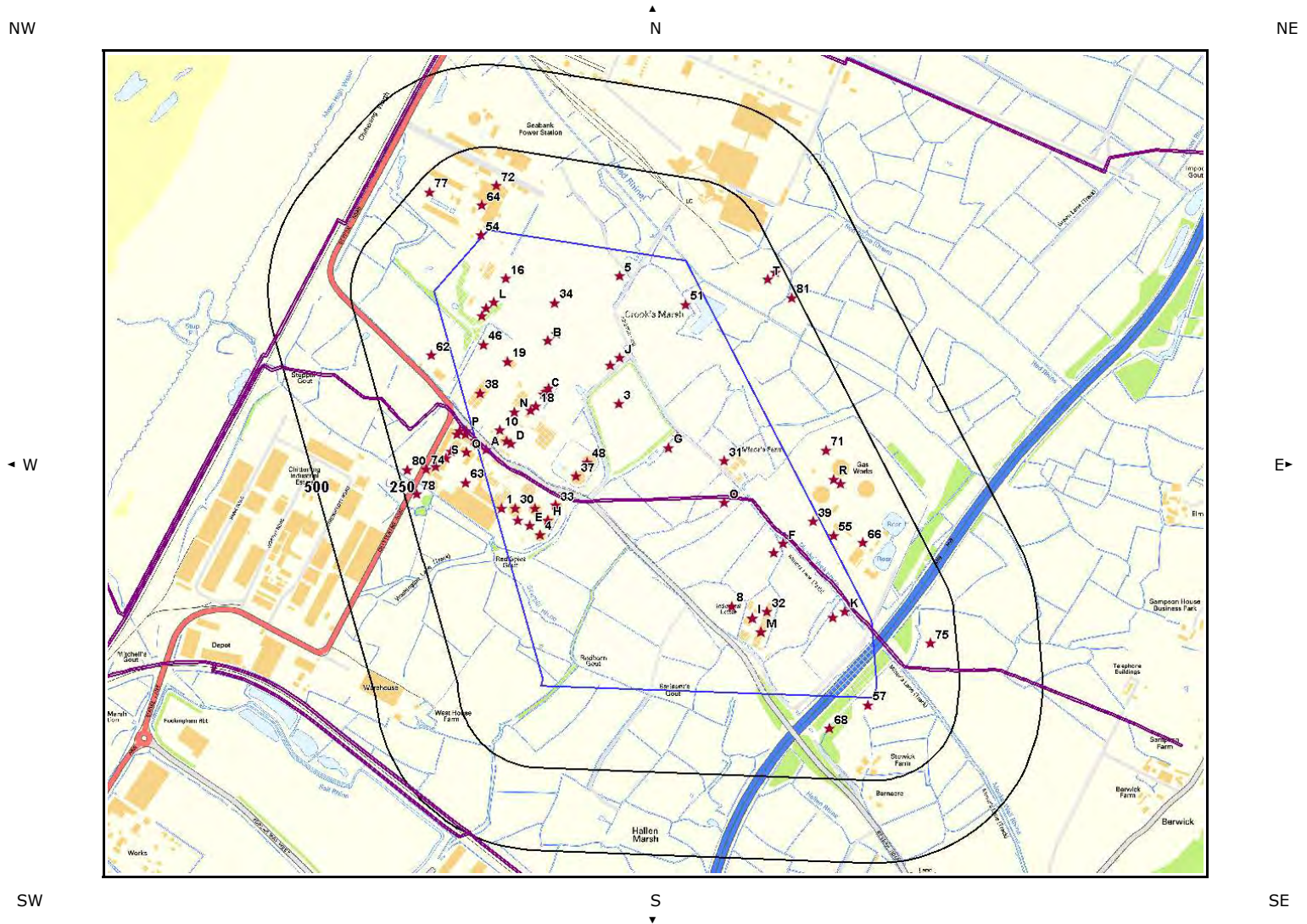
35G	0.0	On Site	354400, 181200	Site Address: Fish & Skips, Severn Road, Hallen, BS10 7SE Type: Household, Commercial & Industrial Waste T Stn Size: Unknown Regis Licence Number: FIS001 Operator: Fish Paul Surrendered Date: - Waste Management licence No: 26016 Annual Tonnage: 5000.0	Issue Date: 19/06/2000 Expiry Date: - Effective Date: - Status: Revoked Modified: - Site Name: Fish & Skips Transfer Station Cancelled Date: - Correspondence Address: -, Hallen Works, Severn Road, Hallen, BS10 7SE
36G	0.0	On Site	354400, 181200	Site Address: Unit C, Hallen Ind Est, Severn Road, Hallen, Gloucestershire, BS10 7SE Type: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: ABL001 Operator: Able Waste Management Ltd Surrendered Date: - Waste Management licence No: 26171 Annual Tonnage: 17398.0	Issue Date: 23/06/2005 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Able Waste Management Recycling & Transfer Facility Cancelled Date: - Correspondence Address: -, -
37G	0.0	On Site	354400, 181200	Site Address: The Recycling Centre, Hallen Ind Est, Severn Road, Hallen, Bristol, BS10 7SE Type: HCI Waste TS + treatment Size: < 25000 tonnes Regis Licence Number: ABL001 Operator: Able Waste Management Ltd Surrendered Date: - Waste Management licence No: 26171 Annual Tonnage: 74999.0	Issue Date: 23/06/2005 Expiry Date: - Effective Date: - Status: Modified Modified: 08/11/2012 Site Name: Able Waste Management Ltd Cancelled Date: - Correspondence Address: -, -
38	13.0	W	353500, 182000	Site Address: Former Texaco Oil Depot, Severn Road, Avonmouth, Bristol, Avon, BS11 0YL Type: Special Waste Transfer Station Size: >= 75000 tonnes Regis Licence Number: STE146 Operator: Steve Ball Recycled Aggregates Ltd Surrendered Date: - Waste Management licence No: 102455 Annual Tonnage: 99999.0	Issue Date: 27/09/2011 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Former Texaco Oil Depot Cancelled Date: - Correspondence Address: -, -
39	170.0	W	353440, 181630	Site Address: The Old Brickworks, Severn Road, Avonmouth, Bristol, Avon, BS10 0YL Type: Metal Recycling Site (Vehicle Dismantler) Size: < 25000 tonnes Regis Licence Number: HAL427 Operator: D Hales Ltd Surrendered Date: - Waste Management licence No: 26213 Annual Tonnage: 4999.0	Issue Date: 27/02/2008 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: The Old Brickworks Cancelled Date: - Correspondence Address: -, -
40	346.0	W	353280, 181550	Site Address: Chittening Road Recycling Centre, Chittening Road Ind Est, Avonmouth, Bristol, Avon, BS11 0YU Type: Metal Recycling Site (mixed MRS's) Size: >= 75000 tonnes Regis Licence Number: BRI118 Operator: Bristol & Avon Remediation Ltd Surrendered Date: - Waste Management licence No: 100449 Annual Tonnage: 299999.0	Issue Date: 30/10/2009 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Chittening Road Recycling Centre Cancelled Date: - Correspondence Address: -, -
41H	435.0	W	353233, 181384	Site Address: Units A, B & C Estuary Park, Chittening Road, Avonmouth, Bristol, Avon, BS11 0YB Type: Use of waste to manufacture timber <75,000 tpy Size: < 25000 tonnes Regis Licence Number: BOO043 Operator: Boomeco Limited Surrendered Date: - Waste Management licence No: 104006 Annual Tonnage: 74999.0	Issue Date: 24/05/2012 Expiry Date: - Effective Date: - Status: Modified Modified: 08/10/2012 Site Name: Units A, B & C Estuary Park Cancelled Date: - Correspondence Address: -, -

42H	435.0	W	353233, 181384	Site Address: Units A, B & C Estuary Park, Chitting Road, Avonmouth, Bristol, Avon, BS11 0YB Type: HCI Waste TS + treatment Size: < 25000 tonnes Regis Licence Number: BOO041 Operator: Boomeco Ltd Surrendered Date: - Waste Management licence No: 102356 Annual Tonnage: 74999.0	Issue Date: 12/03/2012 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Units A, B & C Estuary Park Cancelled Date: - Correspondence Address: -, -
43	532.0	W	353100, 181500	Site Address: Greensplott Road, Greensplott Rd, Chitting Estate, Avonmouth, Bristol, Avon, BS11 0YB Type: Special Waste Transfer Station Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: DUR326 Operator: Durston Waste Management Ltd Surrendered Date: 24/05/2006 Waste Management licence No: 27161 Annual Tonnage: 75000.0	Issue Date: 05/02/1996 Expiry Date: - Effective Date: - Status: Surrendered Modified: - Site Name: Durston T/s Cancelled Date: - Correspondence Address: -, -
44I	695.0	SE	355400, 180600	Site Address: Berwick Farm Landfill, Land / Premises At Berwick Farm, Berwick Lane, Hallen, Bristol, Avon, BS10 7RS Type: Co-Disposal Landfill Site Size: < 25000 tonnes Regis Licence Number: CLI134 Operator: Cliffeville Ltd Surrendered Date: - Waste Management licence No: 27242 Annual Tonnage: 75000.0	Issue Date: 14/12/1982 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Berwick Farm Landfill Site Cancelled Date: - Correspondence Address: -, -
45I	695.0	SE	355400, 180600	Site Address: Berwick Farm Landfill, Berwick Lane, Hallen, Bristol, BS10 7RS Type: Co-Disposal Landfill Site Size: >= 75000 tonnes Regis Licence Number: CLI134 Operator: Cliffeville Ltd Surrendered Date: - Waste Management licence No: 27242 Annual Tonnage: 0.0	Issue Date: 14/12/1982 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Berwick Farm Landfill Site Cancelled Date: - Correspondence Address: St Gabriels Road, St Gabriels Road, Easton, Bristol, BS5 0RT
46	707.0	E	355490, 180809	Site Address: Berwick Farm Landfill, Berwick Farm Landfill Site, Berwick Lane, Hallen, Bristol, Avon, BS10 7RS Type: Other Landfill Site taking Special Waste Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: CLI134 Operator: Cliffeville Ltd Surrendered Date: - Waste Management licence No: 27242 Annual Tonnage: 74999.0	Issue Date: 14/12/1982 Expiry Date: - Effective Date: - Status: Modified Modified: 13/04/2012 Site Name: Berwick Farm Landfill Site Cancelled Date: - Correspondence Address: -, -
Not shown	862.0	N	353850, 183200	Site Address: Unit 1, Severn View Industrial Estate, Severn Beach, Bristol, North Somerset, BS10 7SD Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Regis Licence Number: CHU360 Operator: Churngold Recycling Ltd Surrendered Date: - Waste Management licence No: 26187 Annual Tonnage: 0.0	Issue Date: 01/03/2007 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Unit 1, Severn View Industrial Estate Cancelled Date: - Correspondence Address: -, St Andrews House, St Andrews Road, Avonmouth, Bristol, BS11 9DQ
Not shown	886.0	N	353900, 183216	Site Address: Unit 1, Severn View Industrial Estate, Hallen, Bristol, Avon, BS10 7SD Type: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: CHU360 Operator: Churngold Recycling Ltd Surrendered Date: - Waste Management licence No: 26187 Annual Tonnage: 74999.0	Issue Date: 01/03/2007 Expiry Date: - Effective Date: - Status: Modified Modified: 30/03/2011 Site Name: Hallen Yard Cancelled Date: - Correspondence Address: -, -

Not shown	1148.0	NE	355153, 182943	Site Address: Land Off Govier Way, Western Approach Distribution Park, Marsh Common, South Glos, BS35 4GG Type: Deposit of waste to land as a recovery operation Size: < 25000 tonnes Regis Licence Number: CHU094 Operator: Chungold Waste & Recycling Ltd Surrendered Date: - Waste Management licence No: 104674 Annual Tonnage: 400000.0	Issue Date: 03/09/2012 Expiry Date: - Effective Date: - Status: Tran Part Modified: - Site Name: Land Off Govier Way Cancelled Date: - Correspondence Address: -, -
50	1153.0	W	352700, 180600	Site Address: Rockingham Works, Smoke Lane, Avonmouth, Bristol, BS11 OYA Type: Special Waste Transfer Station Size: < 25000 tonnes Regis Licence Number: CHE226 Operator: Chemical Recoveries Ltd Surrendered Date: - Waste Management licence No: 27219 Annual Tonnage: 25000.0	Issue Date: 15/08/1991 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Chemical Recoveries Avonmouth Cancelled Date: - Correspondence Address: Smoke Lane, Smoke Lane, Avonmouth, Bristol, BS11 OYA
Not shown	1243.0	S	353400, 179800	Site Address: Kingsweston Lane Civic Amenity Site, Avonmouth Refuse Transfer Station, Kingswestern Lane, Avonmouth, Bristol, Avon, BS11 OYS Type: Household Waste Amenity Site Size: < 25000 tonnes Regis Licence Number: AVO273 Operator: Bristol City Council Surrendered Date: - Waste Management licence No: 27200 Annual Tonnage: 24999.0	Issue Date: 13/08/1993 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Kingsweston Lane Civic Amenity Site Cancelled Date: - Correspondence Address: -, -
52	1255.0	NE	355480, 182570	Site Address: Land Off Govier Way, Western Approach Distribution Park, Marsh Common, South Glos, BS35 4GG Type: Deposit of waste to land as a recovery operation Size: < 25000 tonnes Regis Licence Number: SDL003 Operator: Bristol And Avon Transport And Recycling Ltd Surrendered Date: - Waste Management licence No: 103639 Annual Tonnage: 74999.0	Issue Date: 27/04/2012 Expiry Date: - Effective Date: - Status: Modified Modified: 03/09/2012 Site Name: Land Off Govier Way Cancelled Date: - Correspondence Address: -, -
Not shown	1278.0	S	353300, 179800	Site Address: Off Kingsweston Lane, Land/premises At, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 OYS Type: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: AVO283 Operator: Bristol City Council Surrendered Date: - Waste Management licence No: 27190 Annual Tonnage: 75000.0	Issue Date: 13/08/1993 Expiry Date: - Effective Date: - Status: Modified Modified: 28/03/2007 Site Name: Kingsweston Lane Transfer Station Cancelled Date: - Correspondence Address: -, -
Not shown	1330.0	W	352457, 180839	Site Address: Land At Rockingham Park, Smoke Lane, Bristol, Avon, BS11 OYW Type: Deposit of waste to land as a recovery operation Size: < 25000 tonnes Regis Licence Number: TER339 Operator: Terramond Ltd Surrendered Date: - Waste Management licence No: 104455 Annual Tonnage: 84200.0	Issue Date: 04/10/2012 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Land At Rockingham Park Cancelled Date: - Correspondence Address: -, -
55	1344.0	W	352493, 180620	Site Address: Rockingham Works, Land / Premises At, Smoke Lane, Avonmouth, Bristol, Avon, BS11 OYA Type: Special Waste Transfer Station Size: < 25000 tonnes Regis Licence Number: AUG005 Operator: Augean Treatment Ltd Surrendered Date: - Waste Management licence No: 27219 Annual Tonnage: 25000.0	Issue Date: 15/08/1991 Expiry Date: - Effective Date: 13/03/2008 Status: Transferred Modified: - Site Name: Chemical Recoveries Avonmouth Cancelled Date: - Correspondence Address: -, -

Not shown	1390.0	SW	352665, 180162	Site Address: Unit 117a, Burcott Road, Avonmouth, Bristol, Avon, BS11 8AG Type: WEEE treatment facility Size: < 25000 tonnes Regis Licence Number: EUR053 Operator: E Recycling Ltd Surrendered Date: - Waste Management licence No: 101256 Annual Tonnage: 74999.0	Issue Date: 24/11/2009 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Euro Recycling Ltd Cancelled Date: - Correspondence Address: -, -
Not shown	1475.0	NE	355432, 183114	Site Address: Land Off Govier Way, Western Approach Distribution Park, Marsh Common, South Gloucs, BS35 4GG Type: Deposit of waste to land as a recovery operation Size: < 25000 tonnes Regis Licence Number: SEV128 Operator: Severnside Distribution Land Ltd Surrendered Date: - Waste Management licence No: 102110 Annual Tonnage: 687499.0	Issue Date: 11/05/2011 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Project Red Cancelled Date: - Correspondence Address: -, -

4. Current Land Use Map



Current Land Use Legend



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4. Current Land Uses

4.1 Current Industrial Data

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

81

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

ID	Distance [m]	Direction	Company	Address	Activity	Category
1	0.0	On Site	Tank	BS11	Tanks (Generic)	Industrial Features
2F	0.0	On Site	Pylon	BS10	Electrical Features	Infrastructure and Facilities
3	0.0	On Site	Depot	BS10	Container and Storage	Transport, Storage and Delivery
4	0.0	On Site	Tank	BS11	Tanks (Generic)	Industrial Features
5	0.0	On Site	Pylon	BS10	Electrical Features	Infrastructure and Facilities
6 D	0.0	On Site	Chimneys	BS10	Chimneys	Industrial Features
7E	0.0	On Site	Tank	BS11	Tanks (Generic)	Industrial Features
8	0.0	On Site	Hallen Industrial Estate	BS10	Business Parks and Industrial Estates	Industrial Features
9A	0.0	On Site	Tanks	BS11	Tanks (Generic)	Industrial Features
10	0.0	On Site	Tank	BS11	Tanks (Generic)	Industrial Features
11 B	0.0	On Site	Pylon	BS11	Electrical Features	Infrastructure and Facilities
12 A	0.0	On Site	Tank	BS11	Tanks (Generic)	Industrial Features
13 C	0.0	On Site	Chimney	BS11	Chimneys	Industrial Features
14 B	0.0	On Site	Pylon	BS11	Electrical Features	Infrastructure and Facilities
15 C	0.0	On Site	Tank	BS11	Tanks (Generic)	Industrial Features
16	0.0	On Site	Pylon	BS11	Electrical Features	Infrastructure and Facilities
17 D	0.0	On Site	Tanks	BS10	Tanks (Generic)	Industrial Features
18	0.0	On Site	Chimney	BS11	Chimneys	Industrial Features
19	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery
20 E	0.0	On Site	Works	BS11	Unspecified Works Or Factories	Industrial Features
21 J	0.0	On Site	Pylon	BS10	Electrical Features	Infrastructure and Facilities
22 F	0.0	On Site	Pylon	BS10	Electrical Features	Infrastructure and Facilities
23 G	0.0	On Site	Pylon	BS10	Electrical Features	Infrastructure and Facilities
24 H	0.0	On Site	Tank	BS11	Tanks (Generic)	Industrial Features
25 G	0.0	On Site	Pylon	BS10	Electrical Features	Infrastructure and Facilities
26 H	0.0	On Site	Tank	BS11	Tanks (Generic)	Industrial Features
27 I	0.0	On Site	South West Garage & Bodyshop	Unit B3 Hallen Industrial Estate, Severn Road, Hallen, Bristol, BS10 7SE	Vehicle Repair, Testing and Servicing	Repair and Servicing
28 I	0.0	On Site	Able Waste Management Ltd	Unit B/3 Hallen Industrial Estate, Severn Road, Hallen, Bristol, BS10 7SE	Waste Storage, Processing and Disposal	Infrastructure and Facilities
29 K	0.0	On Site	Pylon	BS10	Electrical Features	Infrastructure and Facilities

Report Reference: HMD-441-912071

30	0.0	On Site	Tank	BS11	Tanks (Generic)	Industrial Features
31	0.0	On Site	Copart Ltd	Minors Farm, Ableton Lane, Hallen, Bristol, BS10 7SF	Scrap Metal Merchants	Recycling Services
32	0.0	On Site	Car & Truck Ltd	Hallen Industrial Estate, Severn Road, Hallen, Bristol, BS10 7SE	Vehicle Repair, Testing and Servicing	Repair and Servicing
33	0.0	On Site	Tank	BS11	Tanks (Generic)	Industrial Features
34	0.0	On Site	Pylon	BS11	Electrical Features	Infrastructure and Facilities
35 N	0.0	On Site	Works	BS11	Unspecified Works Or Factories	Industrial Features
36 J	0.0	On Site	Pylon	BS10	Electrical Features	Infrastructure and Facilities
37	0.0	On Site	Tank	BS10	Tanks (Generic)	Industrial Features
38	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery
39	0.0	On Site	Tanks	BS10	Tanks (Generic)	Industrial Features
40 K	0.0	On Site	Pylon	BS10	Electrical Features	Infrastructure and Facilities
41 L	0.0	On Site	Pylon	BS11	Electrical Features	Infrastructure and Facilities
42 L	0.0	On Site	Pylon	BS11	Electrical Features	Infrastructure and Facilities
43 C	0.0	On Site	Tank	BS11	Tanks (Generic)	Industrial Features
44 M	0.0	On Site	Hallen Plant Services	Hallen Industrial Estate, Severn Road, Hallen, Bristol, BS10 7SE	Industrial Coatings and Finishings	Industrial Products
45 M	0.0	On Site	Awesome Imports	Hallen Industrial Estate, Severn Road, Hallen, Bristol, BS10 7SE	Vehicle Parts and Accessories	Motoring
46	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery
47 O	0.0	On Site	Pylon	BS10	Electrical Features	Infrastructure and Facilities
48	0.0	On Site	Tank	BS10	Tanks (Generic)	Industrial Features
49 L	0.0	On Site	Pylon	BS11	Electrical Features	Infrastructure and Facilities
50 N	0.0	On Site	Tank	BS11	Tanks (Generic)	Industrial Features
51	0.0	On Site	Pylon	BS10	Electrical Features	Infrastructure and Facilities
52 O	0.0	On Site	Pylon	BS10	Electrical Features	Infrastructure and Facilities
53 A	4.0	W	Tanks	BS11	Tanks (Generic)	Industrial Features
54	5.0	NW	Tanks	BS11	Tanks (Generic)	Industrial Features
55	14.0	NE	Tank	BS10	Tanks (Generic)	Industrial Features
56 P	20.0	W	Tanks	BS11	Tanks (Generic)	Industrial Features
57	23.0	S	Pylon	BS10	Electrical Features	Infrastructure and Facilities
58 P	26.0	W	Tank	BS11	Tanks (Generic)	Industrial Features
59 Q	36.0	W	Tank	BS11	Tanks (Generic)	Industrial Features
60 P	39.0	W	Tank	BS11	Tanks (Generic)	Industrial Features
61 P	49.0	W	Tank	BS11	Tanks (Generic)	Industrial Features
62	61.0	W	Steve Ball Recycled Aggregates	Severn Road, Chittening, Bristol, BS11 0YL	Recycling, Reclamation and Disposal	Recycling Services
63	64.0	W	Tank	BS11	Tanks (Generic)	Industrial Features
64	76.0	N	Chimney	BS11	Chimneys	Industrial Features
65 Q	81.0	W	Tank	BS11	Tanks (Generic)	Industrial Features
66	82.0	NE	Pylon	BS10	Electrical Features	Infrastructure and Facilities

67 R	94.0	NE	Gas Holder Station	BS10	Gas Features	Infrastructure and Facilities
68	98.0	S	Pylon	BS10	Electrical Features	Infrastructure and Facilities
69 S	101.0	W	Tank	BS11	Tanks (Generic)	Industrial Features
70 R	107.0	NE	Tanks	BS10	Tanks (Generic)	Industrial Features
71	114.0	NE	Gas Works	BS10	Gas Features	Infrastructure and Facilities
72	135.0	N	Travelling Crane	BS11	Travelling Cranes and Gantries	Industrial Features
73 S	139.0	W	Works	BS11	Unspecified Works Or Factories	Industrial Features
74	167.0	W	Ryder	Old Severn Valley Brick Factory, Severn Road, Chittening, Bristol, BS11 0YL	Vehicle Hire and Rental	Hire Services
75	172.0	E	Refuse Tip	BS10	Refuse Disposal Facilities	Infrastructure and Facilities
76 T	193.0	NE	Pylon	BS10	Electrical Features	Infrastructure and Facilities
77	206.0	NW	Seabank Power Station	BS11	Energy Production	Industrial Features
78	215.0	W	Tank	BS11	Tanks (Generic)	Industrial Features
79 T	223.0	NE	Pylon	BS10	Electrical Features	Infrastructure and Facilities
80	224.0	W	Pipeline	BS11	Pipelines	Industrial Features
81	233.0	NE	Pylon	BS10	Electrical Features	Infrastructure and Facilities

4.2 Petrol and Fuel Sites

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

0

Database searched and no data found.

4.3 Underground High Pressure Oil and Gas Pipelines

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

4

The following Underground High Pressure Oil and Gas pipeline records provided by Linewatch are represented as linear features on the Current Land Use map:

ID	Distance [m]	Direction	Address	Operator	Telephone
82	0.0	On Site	GPSS, PO Box 7273, Ashby De La Zouch, LE65 2BY	GPSS Aldermaston pipelines	0845 070 1245
83	334.0	NW	Fishergerman Chartered Surveyors, Pipelines Office, New Road, Hardley, Hythe, Southampton, Hampshire, SO45 3NW	Esso pipelines	023 8088 3150
84	484.0	SW	GPSS, PO Box 7273, Ashby De La Zouch, LE65 2BY	GPSS Aldermaston pipelines	0845 070 1245
85	493.0	SW	GPSS, PO Box 7273, Ashby De La Zouch, LE65 2BY	GPSS Aldermaston pipelines	0845 070 1245

5. Geology

5.1 Artificial Ground and Made Ground

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

LEX Code	Description	Rock Type
WMGR-MGRD	INFILLED GROUND	ARTIFICIAL DEPOSIT

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

5.2 Superficial Ground and Drift Geology

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

Lex Code	Description	Rock Type
TFD-CLSI	TIDAL FLAT DEPOSITS	CLAY AND SILT
TFD-CLSI	TIDAL FLAT DEPOSITS	CLAY AND SILT

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

5.3 Bedrock and Solid Geology

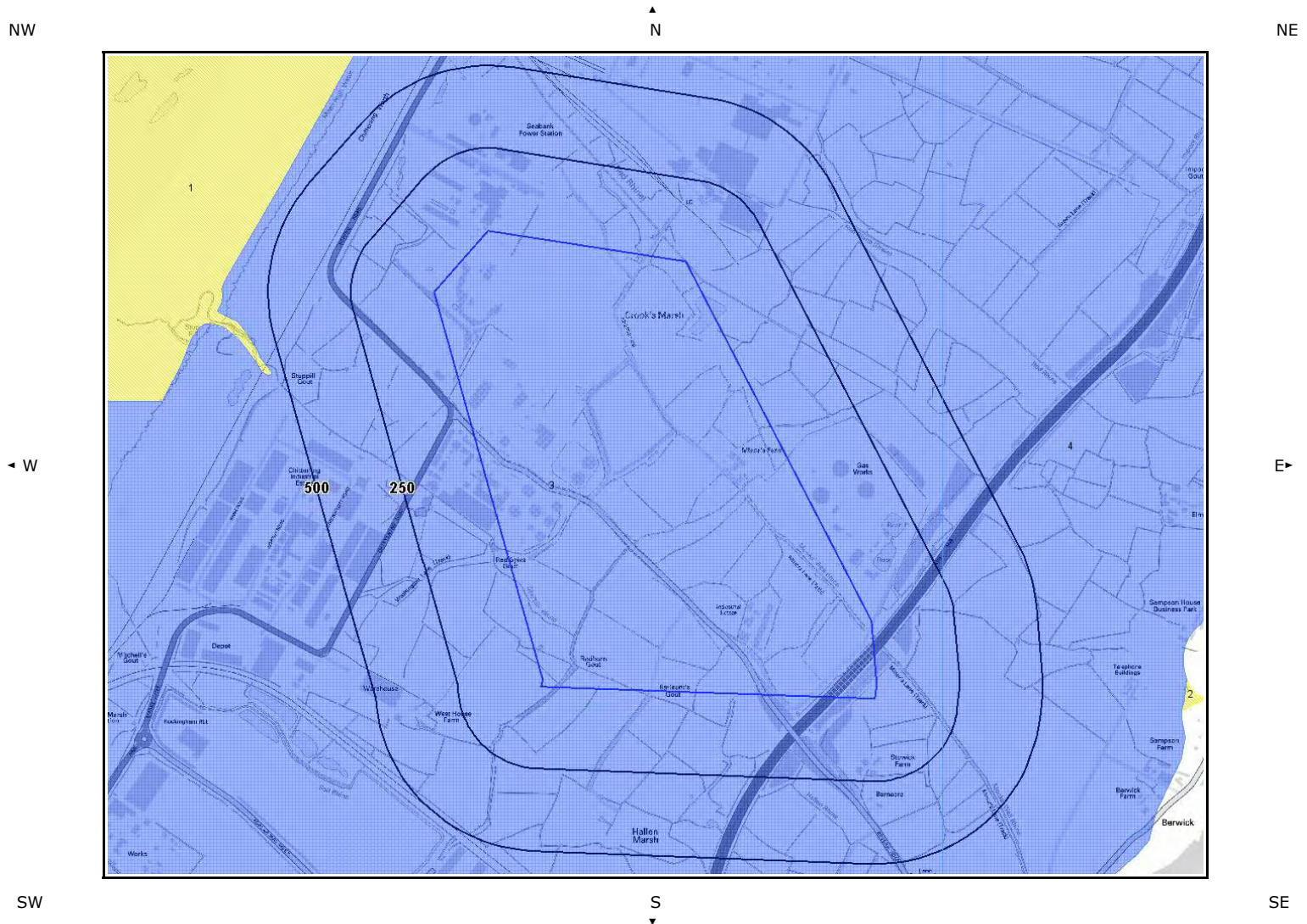
The database has been searched on site, including a 50m buffer.

LEX Code	Description	Rock Type
MMG-MDHA	MERCIA MUDSTONE GROUP	MUDSTONE AND HALITE-STONE
MMG-MDST	MERCIA MUDSTONE GROUP	MUDSTONE

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

For more detailed geological and ground stability data please refer to the "GroundSure Geology and Ground Stability Report". Available from our website.

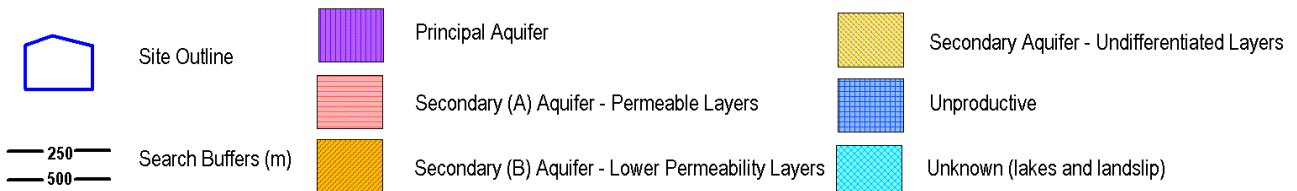
6a. Hydrogeology - Aquifer Within Superficial Geology



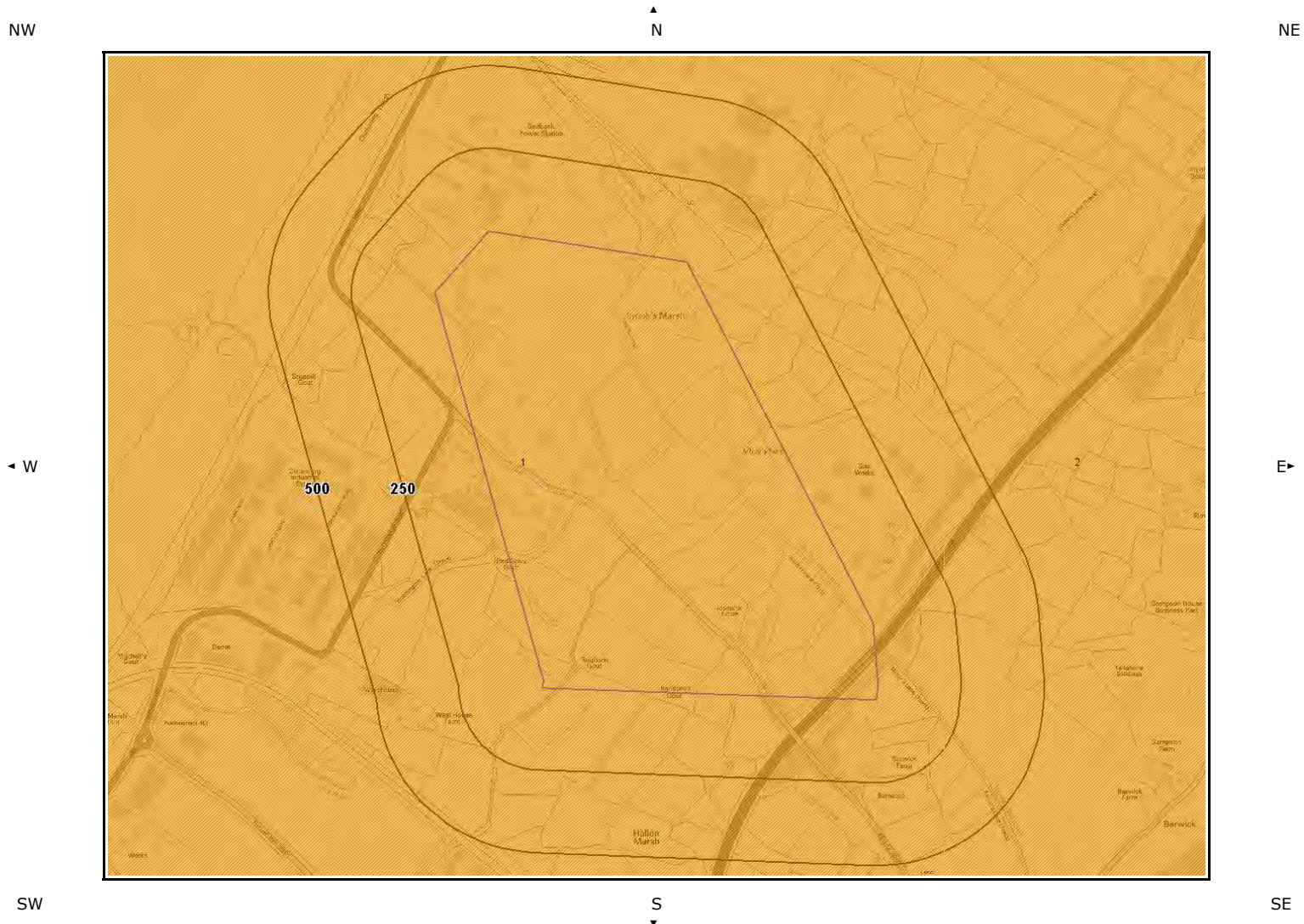
Aquifer Within Superficial Geology Legend

Mapping sourced from
Ordnance Survey

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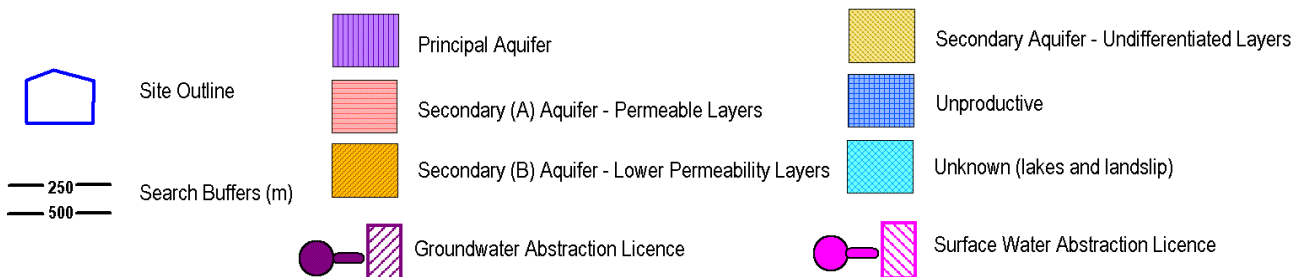
6b. Hydrogeology - Aquifer Within Bedrock Geology and Abstraction Licenses



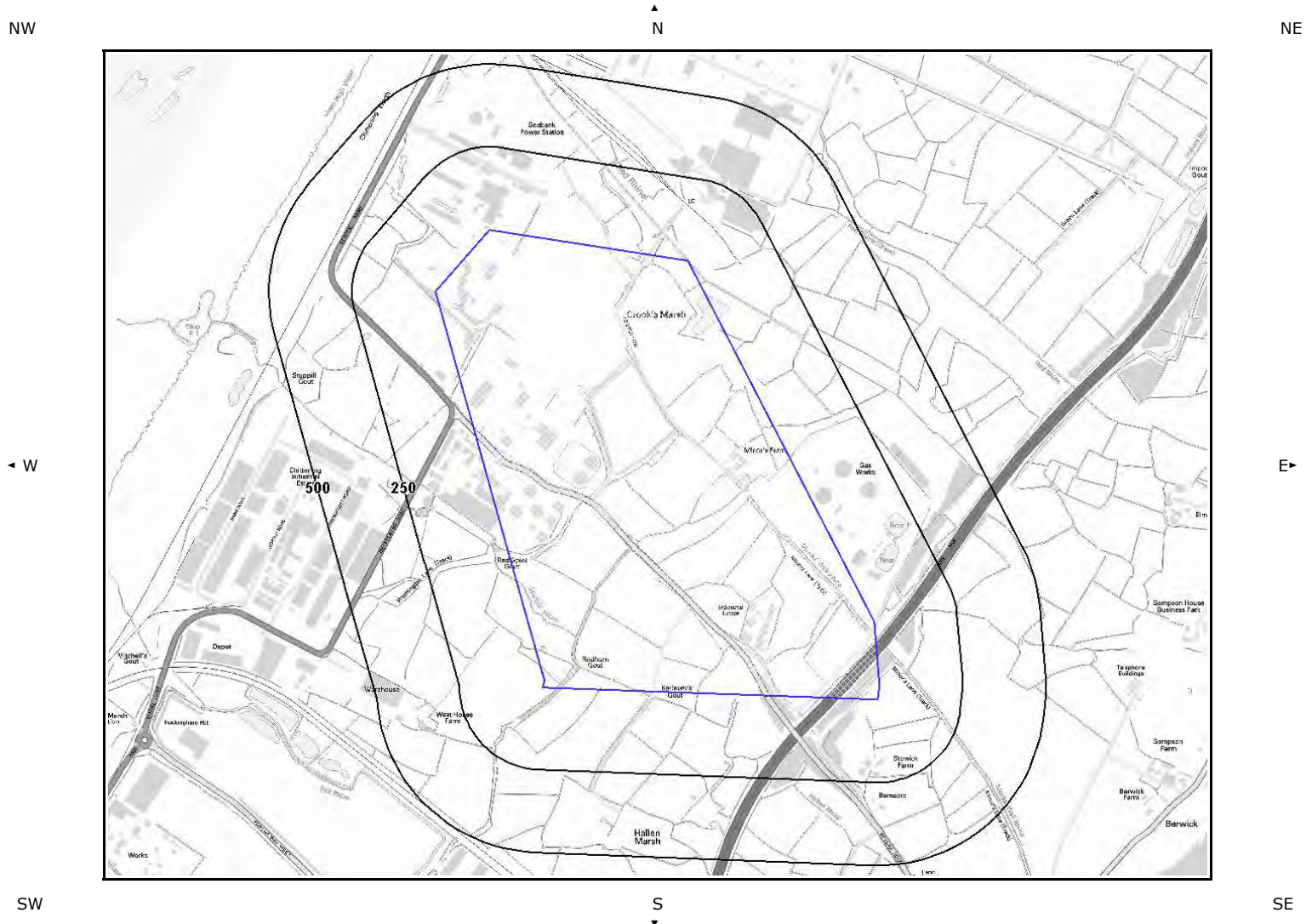
Aquifer Within Bedrock Geology Legend



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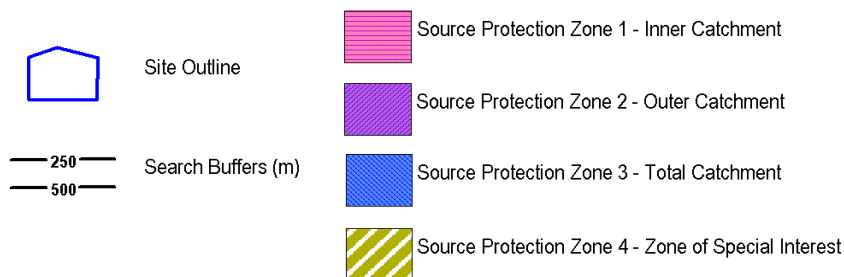
6c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licenses



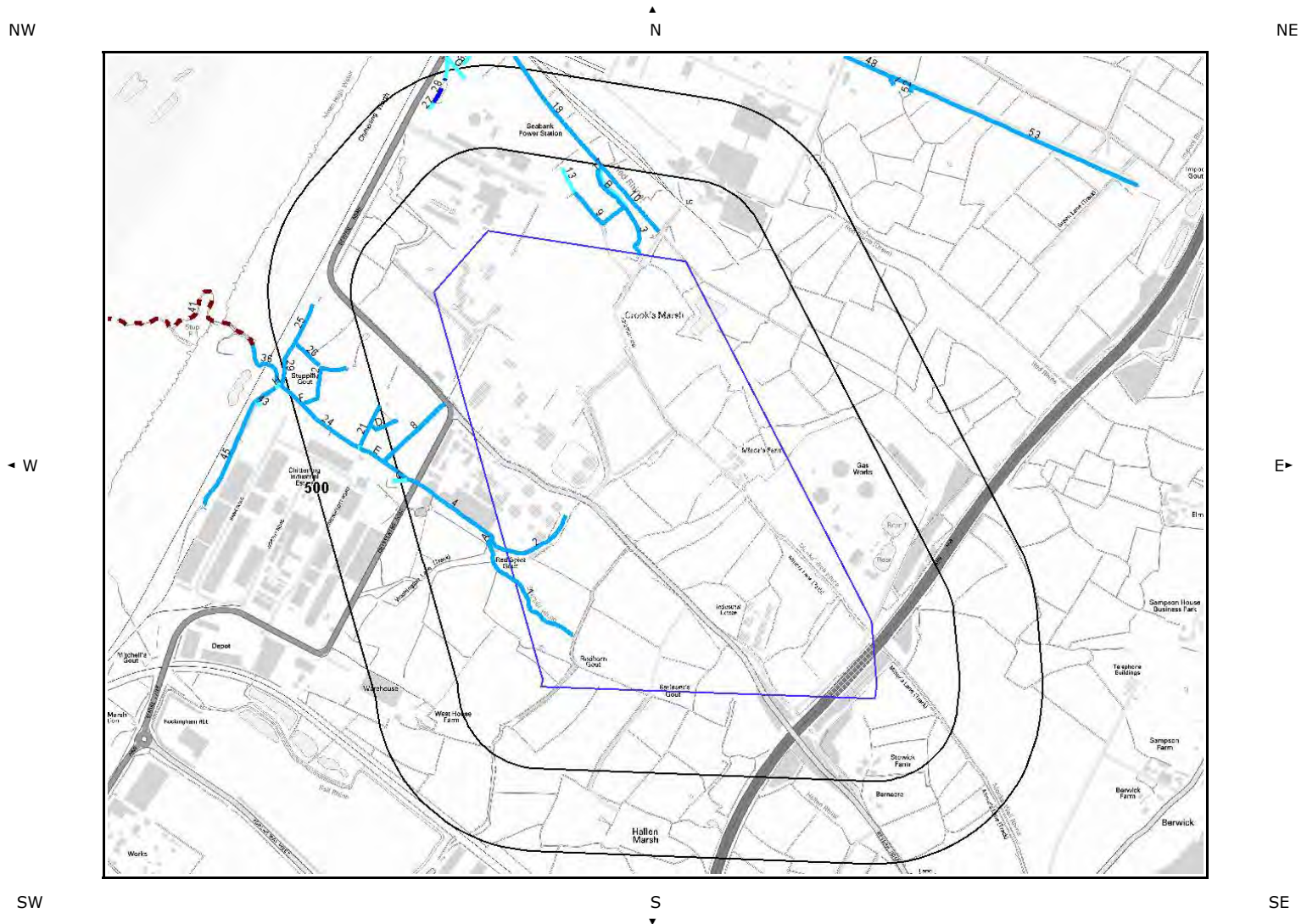
SPZ and Potable Water Abstraction Licenses
Legend



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6d. Hydrology – Detailed River Network and River Quality



Hydrology Legend

Mapping sourced from **Ordnance Survey**

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6. Hydrogeology and Hydrology

6.1 Aquifer within Superficial Deposits

Are there records of productive strata 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
3	0.0	On Site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
4	199.0	E	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

6.2 Aquifer within Bedrock Deposits

Are there records of productive strata 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	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	199.0	E	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

6.3 Groundwater Abstraction Licences

Are there any Groundwater Abstraction Licences within 1000m of the study site?

No

Database searched and no data found.

6.4 Surface Water Abstraction Licences

Are there any Surface Water Abstraction Licences within 1000m of the study site?

No

Database searched and no data found.

Report Reference: HMD-441-912071

6.5 Potable Water Abstraction Licences

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

No

Database searched and no data found.

6.6 Source Protection Zones

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

No

Database searched and no data found.

6.7 River Quality

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

No

Biological Quality:

Database searched and no data found.

Chemical Quality:

Database searched and no data found.

6.8 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	Direction	Details	
1	0.0	On Site	River Name: Stuppill Rhine Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Catchment: - Drain: NO Main River Status: Currently Undefined
2	0.0	On Site	River Name: Red Splot Gout Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Catchment: - Drain: NO Main River Status: Currently Undefined
3	1.0	N	River Name: Drain Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Catchment: - Drain: YES Main River Status: Currently Undefined
4	29.0	W	River Name: Stuppill Rhine Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Catchment: - Drain: NO Main River Status: Currently Undefined
5A	30.0	W	River Name: - Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Catchment: - Drain: NO Main River Status: Currently Undefined

Report Reference: HMD-441-912071

6A	30.0	W	River Name: - Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Catchment: - Drain: NO Main River Status: Currently Undefined
7A	33.0	W	River Name: - Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Catchment: - Drain: NO Main River Status: Currently Undefined
8	59.0	W	River Name: Drain Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Catchment: - Drain: YES Main River Status: Currently Undefined
9	75.0	N	River Name: Drain Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Catchment: - Drain: YES Main River Status: Currently Undefined
10	76.0	N	River Name: Drain Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Catchment: - Drain: YES Main River Status: Currently Undefined
11B	135.0	N	River Name: Drain Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Catchment: - Drain: YES Main River Status: Currently Undefined
12B	138.0	N	River Name: Drain Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Catchment: - Drain: YES Main River Status: Currently Undefined
13	154.0	N	River Name: Drain Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Catchment: - Drain: YES Main River Status: Currently Undefined
14D	211.0	W	River Name: Drain Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Catchment: - Drain: YES Main River Status: Currently Undefined
15C	228.0	W	River Name: Drain Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Catchment: - Drain: YES Main River Status: Currently Undefined
16C	228.0	W	River Name: - Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Catchment: - Drain: NO Main River Status: Currently Undefined
17	236.0	N	River Name: - Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Catchment: - Drain: NO Main River Status: Currently Undefined
18	243.0	N	River Name: Red Rhine Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Catchment: - Drain: NO Main River Status: Currently Undefined
19D	249.0	W	River Name: Drain Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Catchment: - Drain: YES Main River Status: Currently Undefined
20E	285.0	W	River Name: - Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Catchment: - Drain: NO Main River Status: Currently Undefined
21	293.0	W	River Name: Drain Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Catchment: - Drain: YES Main River Status: Currently Undefined
22	315.0	W	River Name: Drain Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Catchment: - Drain: YES Main River Status: Currently Undefined
23E	339.0	W	River Name: - Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Catchment: - Drain: NO Main River Status: Currently Undefined
24	343.0	W	River Name: Stuppill Rhine Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Catchment: - Drain: NO Main River Status: Currently Undefined
25	368.0	W	River Name: Drain Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Catchment: - Drain: YES Main River Status: Currently Undefined

26	392.0	W	River Name: Drain Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Catchment: - Drain: YES Main River Status: Currently Undefined
27	412.0	NW	River Name: - Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Catchment: - Drain: NO Main River Status: Currently Undefined
28	420.0	NW	River Name: - Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: Lake/Reservoir Catchment: - Drain: NO Main River Status: Currently Undefined
29	445.0	W	River Name: Drain Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Catchment: - Drain: YES Main River Status: Currently Undefined
30G	466.0	N	River Name: Drain Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Catchment: - Drain: YES Main River Status: Currently Undefined
31F	469.0	W	River Name: - Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Catchment: - Drain: NO Main River Status: Currently Undefined
32F	476.0	W	River Name: - Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: Secondary River Catchment: - Drain: NO Main River Status: Currently Undefined
33G	479.0	N	River Name: - Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: Tertiary River Catchment: - Drain: NO Main River Status: Currently Undefined

6.9 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 to Surface Water (m)	on-site	0-50	51-250
Surface water features within 250m of the study site	Yes	Yes	Yes

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7. Surface Water Flood Map

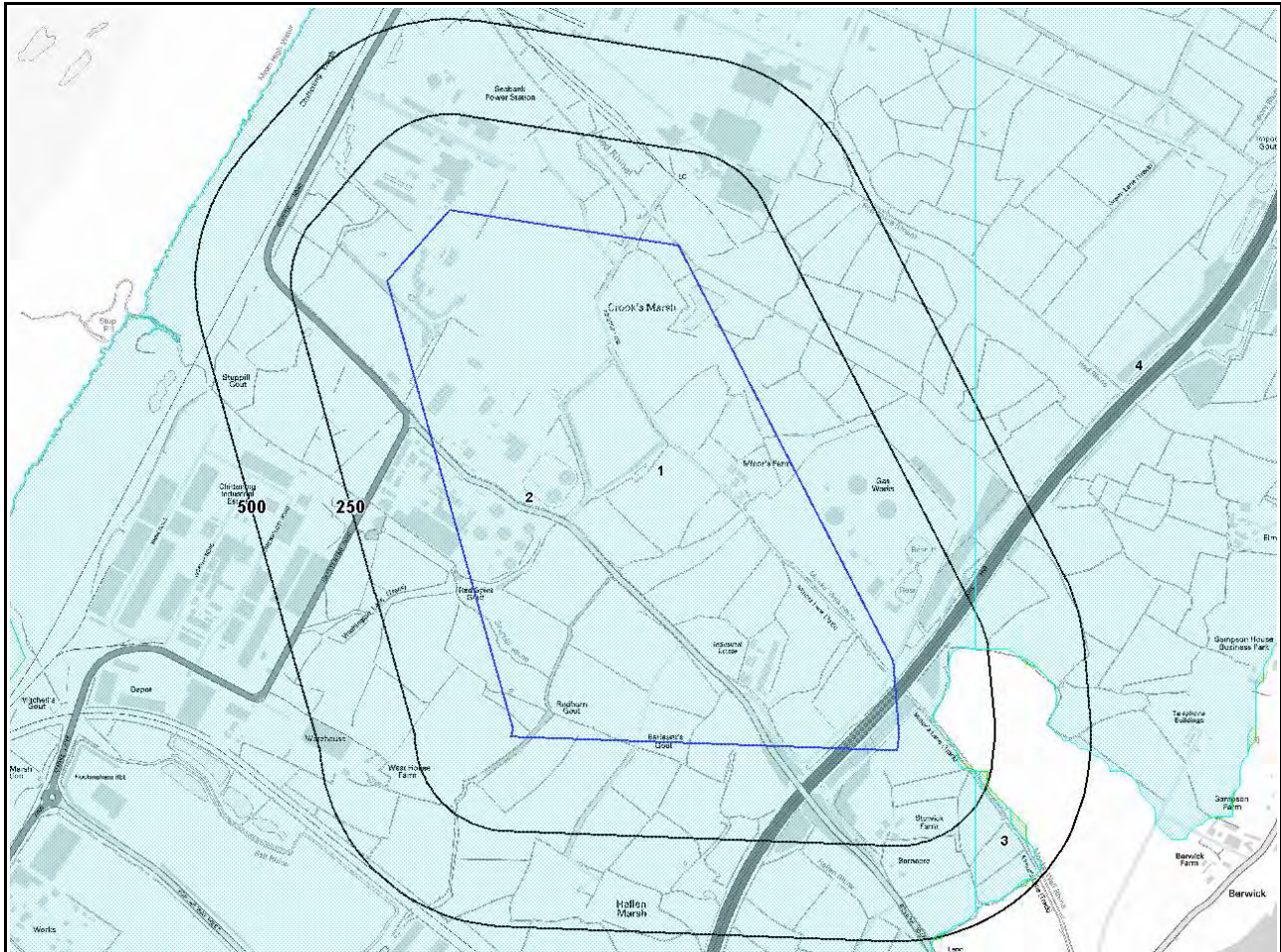
NW

▲
N

NE

◀ W

▶ E



SW

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SE

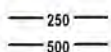
Surface Water Flood Legend



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Site Outline



Search Buffers (m)



Zone 2 Floodplain



Zone 3 Floodplain



Flood Storage Area



Area Benefiting from Flood Defences



Flood Defences

7. Flooding

7.1 Zone 2 Flooding

Zone 2 floodplain estimates the annual probability of flooding as one in one thousand (0.1%) or greater from rivers and the sea but less than 1% from rivers or 0.5% from the sea. Alternatively, where information is available they may show the highest known flood level.

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

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

ID	Distance [m]	Direction	Update	Type
1	0.0	On Site	13-Mar-2013	Zone 2 - (Tidal Models)

7.2 Zone 3 Flooding

Zone 3 estimates the annual probability of flooding as one in one hundred (1%) or greater from rivers and a one in two hundred (0.5%) or greater from the sea. Alternatively, where information is available they may show the highest known flood level.

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

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

ID	Distance [m]	Direction	Update	Type
2	0.0	On Site	13-Mar-2013	Zone 3 - (Tidal Models)
3	210.0	E	13-Mar-2013	Zone 3 - (Tidal Models)
4	216.0	E	13-Mar-2013	Zone 3 - (Tidal Models)

7.3 Flood Defences

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

7.4 Areas benefiting from Flood Defences

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

7.5 Areas used for Flood Storage

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

7.6 Groundwater Flooding Susceptibility Areas

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

Yes

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

Very High

Guidance:

Where very high susceptibility 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.

7.7 Groundwater Flooding Confidence Areas

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

Moderate

Notes:

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

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

8.Designated Environmentally Sensitive Sites Map



Designated Environmentally Sensitive Sites Legend

Mapping sourced from **Ordnance Survey**

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8.Designated Environmentally Sensitive Sites

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

Records of Sites of Special Scientific Interest (SSSI) within 2000m of the study site: **1**

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
5A	352.0	NW	Severn Estuary	Natural England

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

Database searched and no data found.

Records of Special Areas of Conservation (SAC) within 2000m of the study site: **2**

The following Special Area of Conservation (SAC) 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	SAC Name	Data Source
1	352.0	NW	Severn Estuary	Natural England
2	352.0	NW	Severn Estuary / Môr Hafren	Countryside Council for Wales

Records of Special Protection Areas (SPA) within 2000m of the study site: **2**

The following Special Protection Area (SPA) 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	SPA Name	Data Source
3	352.0	NW	Severn Estuary	Natural England
4A	352.0	NW	Severn Estuary(England)	Countryside Council for Wales

Records of Ramsar sites within 2000m of the study site: **2**

The following Ramsar site 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	Ramsar Site Name	Data Source
6A	352.0	NW	Severn Estuary	Natural England
7A	352.0	NW	Severn Estuary (England)	CCW

Records of Local Nature Reserves (LNR) within 2000m of the study site: **1**

The following Local Nature Reserve (LNR) 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	LNR Name	Data Source
Not shown	1511.0	S	Lawrence Western Moor	Natural England

[Report Reference: HMD-441-912071](#)

Records of World Heritage Sites within 2000m of the study site:	0

Database searched and no data found.

Records of Environmentally Sensitive Areas within 2000m of the study site:	0

Database searched and no data found.

Records of Areas of Outstanding Natural Beauty (AONB) within 2000m of the study site:	0

Database searched and no data found.

Records of National Parks (NP) within 2000m of the study site:	0

Database searched and no data found.

Records of Nitrate Sensitive Areas within 2000m of the study site:	0

Database searched and no data found.

9. Additional Information

9.1 Mobile Phone Transmitter Locations

GroundSure's unique mobile phone transmitter database.

Have any mobile phone transmitters been identified within 250m of the study site?

No

Database searched and no data found.

9.2 Existing and potential OfCom Telecommunication Mast Locations

OfCom telecommunication base station and mast data, which details the height and proposed location of masts over 30 metres in height or with a power level exceeding 17dBW.

Have any OfCom telecommunication masts been identified within 250m of the study site?

No

Database searched and no data found.

9.3 Pylons and Electricity Transmission Lines

Have any overhead transmission lines or pylons been identified in proximity to the study site?

Yes

The following records within 500m have been found within this search:

Distance [m]	Direction
0.0	On Site
0.0	On Site
0.0	On Site
0.0	On Site
193.0	NE
205.0	NE
205.0	NE
233.0	NE
233.0	NE
252.0	NE
252.0	NE
271.0	NE

Guidance: Overhead power transmission lines and/or pylons have been identified in proximity to the study site. Overhead power transmission lines are known to emit electromagnetic fields (EMF). For further information on issues associated with transmission lines you may wish to contact the EMF Unit Public Information Line on 0845 7023270 or visit www.emfs.info. Guidance on electromagnetic fields resulting from transmission and distribution lines can also be found on the Health Protection Agency (HPA) website. GroundSure provide the data for information only and do not make any judgment on the risks or otherwise of EMFs. The database is searched up to 500m.

10. Natural Hazards Findings

10.1 Detailed BGS GeoSure Data

BGS GeoSure Data has been searched to 50m. The data is included in tabular format. If you require further information, please obtain a GroundSure Geology and Ground Stability Report. Available from our website. The following information has been found:

10.1.1 Shrink Swell

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

10.1.2 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.

10.1.3 Soluble Rocks

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

Null - Negligible

Soluble rocks are not present in the search area. No special actions required to avoid problems due to soluble rocks. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with soluble rocks.

10.1.4 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.

Report Reference: HMD-441-912071

10.1.5 Collapsible Rocks

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

Negligible

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

Hazard

No indicators for collapsible deposits identified. No actions required to avoid problems due to collapsible deposits. No special ground investigation required, or increased construction costs or increased financial risk due to potential problems with collapsible deposits.

10.1.6 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.

10.2 Radon

What is the maximum radon potential at the study site?

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

Is the property in an area where radon protection measures are required for new properties or extensions to existing ones as described in publication BR211 by the Building Research Establishment?

No radon protective measures are necessary

Guidance: The responses given on the level of radon protective measures required are based on a joint radon potential dataset from the Health Protection Agency (HPA) and the British Geological Survey (BGS). No radon protection measures are required.

11. Mining

11.1 Coal Mining

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

No

Database searched and no data found.

11.2 Shallow Mining

What is the hazard of subsidence relating to shallow mining on-site (including a 150m buffer)? Negligible

Guidance: Where negligible potential is indicated, this means that the rocks underlying the area are not likely to have been mined at shallow depth.

11.3 Brine Affected Areas

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

No

Guidance: No Guidance Required.

12. Contacts

GroundSure Helpline

Telephone: 08444 159 000
 info@4c.groundsure.com



British Geological Survey (England & Wales)

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

Tel: 08708 506 506
 Wessex
 Rivers Hse Bridgwater - East Quay, Bridgwater, TA6 4YS
 Web: www.environment-agency.gov.uk
 Email: enquiries@environment-agency.gov.uk



Health Protection Agency

Chilton, Didcot, Oxon, OX11 0RQ
 Tel: 01235 822622 www.hpa.org.uk/radiation
 Radon measures and general radon information and
 guidance



The Coal Authority

200 Lichfield Lane, Mansfield, Notts NG18 4RG
 Tel: 0845 762 6848
 DX 716176 Mansfield 5
 Web: www.groundstability.com



Ordnance Survey

Romsey Road
 Southampton SO16 4GU
 Tel: 08456 050505



Local Authority

Authority: Bristol City Council
 Phone: 0117 922 2000
 Web: www.bristol-city.gov.uk
 Address: The Council House, College Green, Bristol, BS1
 5TR

Get Mapping PLC

Virginia Villas, High Street, Hartley Witney, Hampshire RG27
 8NW
 Tel: 01252 845444



CoPSO

The Old Rectory, Church Lane, Thornby, Northants NN6 8SN
 Tel: 0871 4237191
 (www.copso.org.uk)



Acknowledgements

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This report has been prepared in accordance with the GroundSure Ltd standard Terms and Conditions of business for work of this nature.



Search Code

IMPORTANT CONSUMER PROTECTION INFORMATION

This search has been produced by GroundSure Ltd, Lees House, 21 Dyke Road, Brighton, BN1 3FE. Tel: 08444 159 000. Email: info@4C.groundsure.com which is registered with the Property Codes Compliance Board (PCCB) as a subscriber to the Search Code. The PCCB independently monitors how registered search firms maintain compliance with the Code.

The Search Code:

- provides protection for homebuyers, sellers, estate agents, conveyancers and mortgage lenders who rely on the information included in property search reports undertaken by subscribers on residential and commercial property within the United Kingdom
- sets out minimum standards which firms compiling and selling search reports have to meet
- promotes the best practice and quality standards within the industry for the benefit of consumers and property professionals
- enables consumers and property professionals to have confidence in firms which subscribe to the code, their products and services.

By giving you this information, the search firm is confirming that they keep to the principles of the Code. This provides important protection for you.

The Code's core principles

Firms which subscribe to the Search Code will:

- display the Search Code logo prominently on their search reports
- act with integrity and carry out work with due skill, care and diligence
- at all times maintain adequate and appropriate insurance to protect consumers
- conduct business in an honest, fair and professional manner
- handle complaints speedily and fairly
- ensure that products and services comply with industry registration rules and standards and relevant laws
- monitor their compliance with the Code

COMPLAINTS

If you have a query or complaint about your search, you should raise it directly with the search firm, and if appropriate ask for any complaint to be considered under their formal internal complaints procedure. If you remain dissatisfied with the firm's final response, after your complaint has been formally considered, or if the firm has exceeded the response timescales, you may refer your complaint for consideration under The Property Ombudsman scheme (TPOs). The Ombudsman can award compensation of up to £5,000 to you if he finds that you have suffered actual loss as a result of your search provider failing to keep to the Code.

Please note that all queries or complaints regarding your search should be directed to your search provider in the first instance, not to TPOs or to the PCCB.

TPOs Contact Details:

The Property Ombudsman scheme
Milford House
43-55 Milford Street
Salisbury
Wiltshire SP1 2BP
Tel: 01722 333306
Fax: 01722 332296
Email: admin@tpos.co.uk

You can get more information about the PCCB from www.propertycodes.org.uk.

PLEASE ASK YOUR SEARCH PROVIDER IF YOU WOULD LIKE A COPY OF THE SEARCH CODE

COMPLAINTS PROCEDURE

If you want to make a complaint, we will:

- Acknowledge it within 5 working days of receipt.
- Normally deal with it fully and provide a final response, in writing, within 20 working days of receipt.
- Keep you informed by letter, telephone or e-mail, as you prefer, if we need more time.
- Provide a final response, in writing, at the latest within 40 working days of receipt.
- Liaise, at your request, with anyone acting formally on your behalf.

Complaints should be sent to: Operations Director, GroundSure Ltd, Lees House, 21 Dyke Road, Brighton, BN1 3FE.
Tel: 08444 159 000. Email: info@4C.groundsure.com

If you are not satisfied with our final response, or if we exceed the response timescales, you may refer the complaint to The Property Ombudsman scheme (TPOs): Tel: 01722 333306, E-mail: admin@tpos.co.uk.

We will co-operate fully with the Ombudsman during an investigation and comply with his final decision.

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.



RSK STATS Geoconsult Ltd (Bedminster)	GroundSure	HMD-441-912071
Spring Lodge, , 172 Chester Road,	Reference:	
Cheshire,	Your Reference:	312318
Helsby, WA6 0AR	Report Date:	Jun 6, 2013
	Report Delivery	xml
	Method:	
	Client Email:	██████████@rsk.co.uk

GroundSure Data

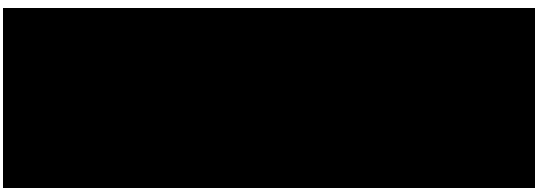
Address: Hinkley C to Seabank grid connection project

Dear Sir/Madam,

Thank you for placing your order with GroundSure. Please find enclosed the GroundSure Data report 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 Data

GroundSure Data

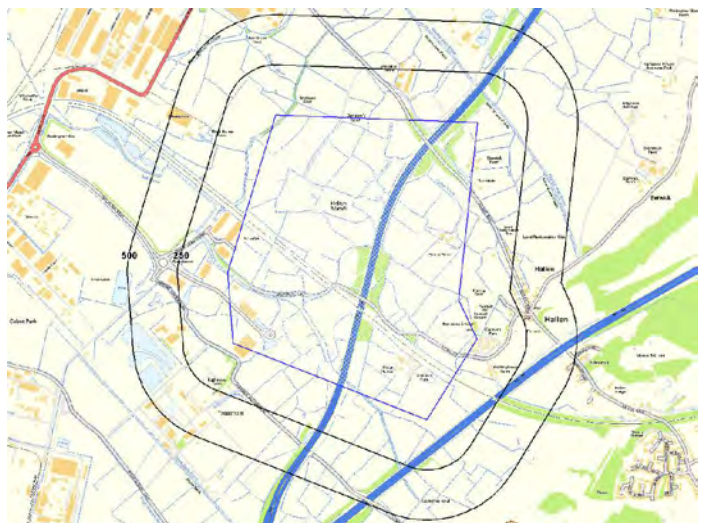
Address: Hinkley C to Seabank grid connection project

Date: Jun 6, 2013

GroundSure Reference: HMD-441-912071

Your Reference: 312318

Client: RSK STATS Geoconsult Ltd (Bedminster)



Aerial Photograph of Study Site



Aerial photography supplied by Getmapping PLC.
© Copyright Getmapping PLC 2003. All Rights Reserved.

Site Name: Hinkley C to Seabank grid connection project
Grid Reference: 348230,177031

Report Reference: HMD-441-912071

If you would like any further assistance regarding this report then please contact
GroundSure on (T) 08444 159 000, email: info@4c.groundsure.com

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.

Report Section	Number of records found within (X) m of the study site boundary					
1. Historical Industrial Sites	on-site	0-50	51-250	251-500	501-1000	1000-1500
1.1 Potentially Contaminative Past Land Use						
Records of potentially contaminative past land use (1:10,000 scale mapping)	0	0	7	-	-	-
1.2 Additional Information – Historical Tanks (1:2,500,1:1,250 scale mapping)	0	0	0*	-	-	-
1.3 Additional Information – Historical Energy Features (1:2,500,1:1,250 scale mapping)	0	2	0*	-	-	-
1.4 Additional Information – Historical Petrol and Fuel Site Database (1:2,500,1:1,250 scale mapping)	0	0	0*	-	-	-
1.5 Additional Information – Historical Vehicle Repair and Garages (1:2,500,1:1,250 scale mapping)	0	0	0*	-	-	-
1.6 Potentially Infilled Land						
Records of potentially infilled land (1:10,000 scale mapping)	11	0	2*	-	-	-
*51-100m						
2. Environmental Permits, Incidents and Registers	on-site	0-50	51-250	251-500	501-1000	1000-1500
2.1 Industrial Sites Holding Environmental Permits and/or Authorisations						
Records of historic IPC Authorisations	0	0	4	5	-	-
Records of Part A(1) and IPPC Authorised Activities	0	0	8	4	-	-
Records of Water Industry Referrals (potentially harmful discharges to the public sewer)	0	0	0	0	-	-
Records of Red List Discharge Consents (potentially harmful discharges to controlled waters)	0	0	0	0	-	-
Records of List 1 Dangerous Substances Inventory sites	0	0	0	1	-	-
Records of List 2 Dangerous Substances Inventory sites	0	0	0	0	-	-
Records of Part A(2) and Part B Activities and Enforcements	0	0	0	0	-	-
Records of Category 3 or 4 Radioactive Substances Authorisations	0	0	0	0	-	-
Records of Licensed Discharge Consents	1	1	3	12	-	-
Records of Planning Hazardous Substance Consents and Enforcements	0	0	0	0		
2.2 Records of COMAH and NIHHS sites	0	0	0	1	-	-
2.3 Environment Agency Recorded Pollution Incidents						
National Incidents Recording System, List 2	0	0	3	-	-	-
National Incidents Recording System, List 1	0	0	0	-	-	-
2.4 Sites Determined as Contaminated Land under Part IIA EPA 1990	0	0	0	0	-	-

Report Reference: HMD-441-912071

If you would like any further assistance regarding this report then please contact GroundSure on (T) 08444 159 000, email: info@4c.groundsure.com

3. Landfill and Other Waste Sites	on-site	0-50	51-250	251-500	501-1000	1000-1500

3.1 Landfill Sites

Environment Agency Registered landfill Sites	0	0	1	0	2	-
Landfill Data – Operational Landfill Sites	0	0	0	0	2	-
Environment Agency Historic Landfill Sites	0	0	1	1	12	8
Landfill Data – Non-Operational Landfill Sites	0	0	0	1	7	-
BGS/DoE Landfill Site Survey	0	0	0	0	3	5
GroundSure Local Authority Landfill Sites Data	0	0	0	0	0	3

3.2 Landfill and Other Waste Sites Findings

Operational Waste Treatment, Transfer and Disposal Sites	0	0	1	1	-	-
Non-Operational Waste Treatment, Transfer and Disposal Sites	0	0	2	3	-	-
Environment Agency licensed Waste Sites	0	0	11	4	19	24

4. Current Land Uses	on-site	0-50	51-250	251-500	501-1000	1000-1500

4.1 Current Industrial Sites Data	27	2	24	-	-	-
4.2 Records of Petrol and Fuel Sites	0	0	0	1	-	-
4.3 Underground High Pressure Oil and Gas Pipelines	5	1	5	0	-	-

5. Geology	Description

5.1 Are there any records of Artificial Ground and Made Ground present beneath the study site? *

No

5.2 Are there any records of Superficial Ground and Drift Geology present beneath the study site? *

Yes

5.3 For records of Bedrock and Solid Geology beneath the study site* see the detailed findings section.

Source: Scale: 1:50,000 BGS Sheet 264

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

6. Hydrogeology and Hydrology	on-site	0-50	51-250	251-500	501-1000	1001-2000

6.1 Are there any records of Productive Strata in the Superficial Geology within 500m of the study site?

Yes

6.2 Are there any records of Productive Strata in the Bedrock Geology within 500m of the study site?

Yes

6.3 Groundwater Abstraction Licences (within 1000m of the study site).

0	0	0	2	2	-

6.4 Surface Water Abstraction Licences (within 1000m of the study site).

0	0	0	0	0	-

6.5 Potable Water Abstraction Licences (within 2000m of the study site).

0	0	0	0	0	0

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

No

6.7 River Quality	on-site	0-50	51-250	251-500	501-1000	1001-1500

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

No	No	No	No	No	No	No

6.8 Detailed River Network entries within 500m of the site

0	0	1	5	-	-

6.9 Surface water features within 250m of the study site

Yes	Yes	Yes	-	-	-

7. Flooding

Report Reference: HMD-441-912071

If you would like any further assistance regarding this report then please contact GroundSure on (T) 08444 159 000, email: info@4c.groundsure.com

7.1 Are there any Environment Agency indicative Zone 2 floodplains within 250m of the study site?	Yes
7.2 Are there any Environment Agency indicative Zone 3 floodplains within 250m of the study site?	Yes
7.3 Are there any Flood Defences within 250m of the study site?	No
7.4 Are there any areas benefiting from Flood Defences within 250m of the study site?	No
7.5 Are there any areas used for Flood Storage within 250m of the study site?	No
7.6 What is the maximum BGS Groundwater Flooding susceptibility within 50m of the study site?	Negligible
7.7 What is the BGS confidence rating for the Groundwater Flooding susceptibility areas?	Not Applicable

8. Designated Environmentally Sensitive Sites	on-site	0-50	51-250	251-500	501-1000	1001-2000
8.1 Records of Sites of Special Scientific Interest (SSSI)	0	0	0	0	0	1
8.2 Records of National Nature Reserves (NNR)	0	0	0	0	0	0
8.3 Records of Local Nature Reserves (LNR)	0	0	1	0	0	0
8.4 Records of Special Areas of Conservation (SAC)	0	0	0	0	0	2
8.5 Records of Special Protection Areas (SPA)	0	0	0	0	0	2
8.6 Records of Ramsar sites	0	0	0	0	0	2
8.7 Records of World Heritage Sites	0	0	0	0	0	0
8.8 Records of Environmentally Sensitive Areas	0	0	0	0	0	0
8.9 Records of Areas of Outstanding Natural Beauty (AONB)	0	0	0	0	0	0
8.10 Records of National Parks	0	0	0	0	0	0
8.11 Records of Nitrate Sensitive Areas	0	0	0	0	0	0

9. Additional Information	on-site	0-50	51-250	250-500
9.1 Records of mobile phone transmitters	0	0	1	0
9.2 Records of potential sites of OfCom telecommunications masts	0	0	1	0
9.3 Records of transmission lines in proximity to the study site	4	0	0	0

10. Natural Hazards

10.1 What is the maximum risk of natural ground subsidence?	Moderate
10.2 Is the property in a radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level?	The property is not in a Radon Affected Area, as less than 1% of properties are above the Action Level
Is the property in an area where radon protection measures are required for new properties or extensions to existing ones as described in publication BR211 by the Building Research Establishment?	No radon protective measures are necessary

11. Mining

11.1 Are there any coal mining areas within 75m of the study site?	No
11.2 What is the risk of subsidence relating to shallow mining within 150m of the study site?	Negligible
11.3 Are there any brine affected areas within 75m of the study site?	No

Using this Report

The following report is designed by Environmental Consultants for Environmental Professionals bringing together the most up-to-date market leading environmental data. This report is provided under and subject to the Terms & Conditions agreed between GroundSure and the Client. The document contains the following sections:

1. Historical Industrial Sites

Provides information on past land uses that may pose a risk to the study site in terms of potential contamination from activities or processes. Potentially Infilled Land features are also included. This search is conducted using radii of up to 250m.

2. Environmental Permits, Incidents and Registers

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

3. Landfills and Other Waste Sites

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

4. Current Land Uses

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

5. Geology

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

6. Hydrogeology and Hydrology

Provides information on groundwater vulnerability, soil leaching potential, abstraction licenses, Source Protection Zones (SPZ) and river quality. These searches are conducted using radii of up to 2000m.

7. 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.

8. Designated Environmentally Sensitive Sites

Provides information on the Sites of Special Scientific Interest (SSSI), National Nature Reserves (NNR), Special Areas of Conservation (SAC), Special Protection Areas (SPA), Ramsar sites, Local Nature Reserves (LNR), Areas of Outstanding Natural Beauty (AONB), National Parks (NP), Environmentally Sensitive Areas, Nitrate Sensitive Areas and World Heritage Sites. These searches are conducted using radii of up to 2000m.

9. Additional Information

Provides information on records of mobile phone transmitters, potential sites of OfCom telecommunication masts and overhead transmission lines up to 500m.

Report Reference: HMD-441-912071

If you would like any further assistance regarding this report then please contact
GroundSure on (T) 08444 159 000, email: info@4c.groundsure.com

10. Natural Hazards

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

11. Mining

Provides information on areas of coal and shallow mining.

12. Contacts

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

Note: Maps

Only certain features are placed on the maps within the report. All features represented on maps found within this search are given an identification number. This number identifies the feature on the mapping and correlates it to the additional information provided below. This identification number precedes all other information and takes the following format -Id: 1, Id: 2, etc. Where numerous features on the same map are in such close proximity that the numbers would obscure each other a letter identifier is used instead to represent the features. (e.g. Three features which overlap may be given the identifier "A" on the map and would be identified separately as features 1A, 3A, 10A on the data tables provided).

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

All distances given in this report are in Metres (m). Directions are given as compass headings such as N: North, E: East, NE: North East from the nearest point of the study site boundary.

1. Historical Industrial Sites

1.1 Potentially Contaminative Uses identified from High Detail (1:10,000 scale) Mapping

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

Records of sites with a potentially contaminative past land use within 250m of the search boundary: 7

The following records are not represented on Mapping:

Distance [m]	Direction	Use	Date
66.0	SW	Sewage Treatment Works	1991
66.0	SW	Sewage Treatment Works	1979
99.0	N	Industrial Estate	1973
158.0	SE	Unspecified Heap	1938
162.0	SE	Unspecified Heap	1949
163.0	SE	Unspecified Heap	1935
203.0	NE	Police Station	1901

1.2 Additional Information – Historical Tank Database

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

Records of historical tanks within 100m of the search boundary: 0

Database searched and no data found.

1.3 Additional Information – Historical Energy Features Database

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

Records of historical energy features within 100m of the search boundary: 2

The following records are not represented on Mapping:

Distance (m)	Direction	Use	Date
45.0	SE	Electricity Sub Station	1997
46.0	SE	Electricity Sub Station	1971

Report Reference: HMD-441-912071

If you would like any further assistance regarding this report then please contact GroundSure on (T) 08444 159 000, email: info@4c.groundsure.com

1.4 Additional Information – Historical Petrol and Fuel Site Database

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

Records of historical petrol stations and fuel sites within 100m of the search boundary: 0

Database searched and no data found.

1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database

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

Records of historical garage and motor vehicle repair sites within 100m of the search boundary: 0

Database searched and no data found.

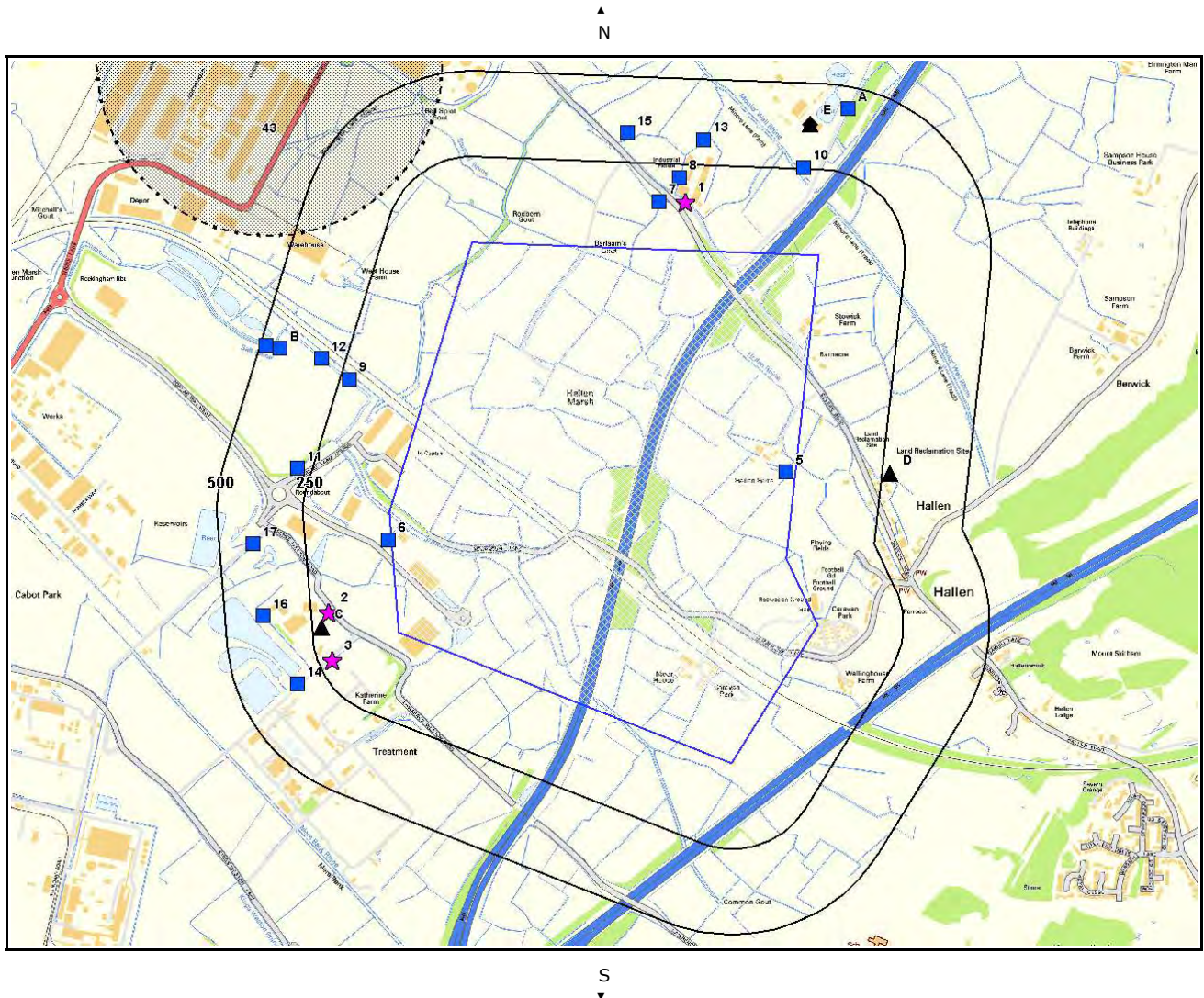
1.6 Potentially Infilled Land

Records of Potentially Infilled Features from 1:10,000 scale mapping within 100m of the study site: 13

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

Distance [m]	Direction	Use	Date
0.0	On Site	Pond	1949
0.0	On Site	Pond	1973
0.0	On Site	Pond	1938
0.0	On Site	Pond	1921
0.0	On Site	Pond	1912
0.0	On Site	Pond	1901
0.0	On Site	Pond	1921
0.0	On Site	Pond	1912
0.0	On Site	Ponds	1880
0.0	On Site	Pond	1880
0.0	On Site	Pond	1921
66.0	SW	Sewage Treatment Works	1991
66.0	SW	Sewage Treatment Works	1979

2. Environmental Permits, Incidents and Registers Map



Authorisations, Incidents and Registers Legend



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

2.Environmental Permits, Incidents and Registers

2.1 Industrial Sites Holding Licences and/or Authorisations

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

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

9

The following IPC Authorisations are represented as points on the Authorisations, Incidents and Registers map:

ID	Distance [m]	Direction	NGR	Details
56C	225.0	W	353350, 179850	Operator: Bristol City Council Address: Kings Weston Lane, Bristol, Avon, BS11 0YS Process: Incineration Permit Number: BD7901 Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Revoked
57C	225.0	W	353350, 179850	Operator: Bristol City Council Address: Kings Weston Lane, Bristol, Avon, BS11 0YS Process: Incineration Permit Number: AX3088 Original Permit Number: IPCMAJVAR Date Approved: 19-3-1997 Effective Date: 31-3-1997 Status: Superseded By Variation
58C	225.0	W	353350, 179850	Operator: Bristol City Council Address: Kings Weston Lane, Bristol, Avon, BS11 0YS Process: Incineration Permit Number: AG8314 Original Permit Number: IPCAIRAPP Date Approved: 30-5-1993 Effective Date: 30-5-1993 Status: Superseded By Variation
59C	225.0	W	353350, 179850	Operator: Bristol City Council Address: Kings Weston Lane, Bristol, Avon, BS11 0YS Process: Incineration Permit Number: AT1806 Original Permit Number: IPCMINVAR Date Approved: 12-9-1995 Effective Date: 18-9-1995 Status: Superseded By Variation
60D	272.0	E	355000, 180300	Operator: Seabank Power Ltd Address: Aran Lodge, Severn Road, Hallen, Bristol, Avon, BS10 7RZ Process: Combustion Processes Permit Number: BB1660 Original Permit Number: IPCMINVAR Date Approved: 8-9-1998 Effective Date: 1-10-1998 Status: Superseded By Variation
61D	272.0	E	355000, 180300	Operator: Seabank Power Ltd Address: Aran Lodge, Severn Road, Hallen, Bristol, Avon, BS10 7RZ Process: Combustion Processes Permit Number: AY7160 Original Permit Number: IPCMAJVAR Date Approved: 13-11-1997 Effective Date: 1-12-1997 Status: Superseded By Variation
62D	272.0	E	355000, 180300	Operator: Seabank Power Ltd Address: Aran Lodge, Severn Road, Hallen, Bristol, Avon, BS10 7RZ Process: Combustion Processes Permit Number: AR1051 Original Permit Number: IPCAPP Date Approved: 14-9-1995 Effective Date: 1-4-1997 Status: Superseded By Variation
63D	272.0	E	355000, 180300	Operator: Seabank Power Ltd Address: Aran Lodge, Severn Road, Hallen, Bristol, Avon, BS10 7RZ Process: Combustion Processes Permit Number: BD9483 Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
64D	272.0	E	355000, 180300	Operator: Seabank Power Ltd Address: Aran Lodge, Severn Road, Hallen, Bristol, Avon, BS10 7RZ Process: Combustion Processes Permit Number: BL9577 Original Permit Number: IPCMINVAR Date Approved: 12-10-2001 Effective Date: 1-11-2001 Status: Revoked - Now Ippc

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

12

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

ID	Distance [m]	Direction	NGR	Details

Report Reference: HMD-441-912071

44C	225.0	W	353350, 179850	Operator: Ethoc Recycling Ltd. Installation Name: Advanced Thermal Processing Facility Process: INCINERATION OF NON HAZARDOUS WASTE >1T/HR	Permit Number: LP3432XX Original Permit Number: LP3432XX EPR Reference: EA/EPR/LP3432XX/V002 Issue Date: 12/8/2008 Effective Date: 12/8/2008 Last date noted as effective: 2013-01-23 Status: Superseded
45C	225.0	W	353350, 179850	Operator: Ethos Medical & Special Waste Ltd Installation Name: Advanced Thermal Processing Facility Process: INCINERATION OF NON HAZARDOUS WASTE >1T/HR	Permit Number: AP3933TL Original Permit Number: AP3933TL EPR Reference: - Issue Date: 2/8/2011 Effective Date: 2/8/2011 Last date noted as effective: 2013-01-23 Status: Revoked
46C	225.0	W	353350, 179850	Operator: Compact Power Limited Installation Name: Advanced Thermal Processing Facility Process: INCINERATION OF NON HAZARDOUS WASTE >1T/HR	Permit Number: AP3534SD Original Permit Number: BL0316IJ EPR Reference: - Issue Date: 16/11/2005 Effective Date: 16/11/2005 Last date noted as effective: 2013-01-23 Status: Superseded
47C	225.0	W	353350, 179850	Operator: Compact Power Limited Installation Name: Advanced Thermal Processing Facility Process: INCINERATION OF NON HAZARDOUS WASTE >1T/HR	Permit Number: BL0316IJ Original Permit Number: BL0316IJ EPR Reference: - Issue Date: 27/9/2001 Effective Date: 28/9/2001 Last date noted as effective: 2013-01-23 Status: Superseded
48C	225.0	W	353350, 179850	Operator: Compact Power Ltd Installation Name: - Process: WASTE INCINERATION; HAZARDOUS WASTE UNLESS 5.1B UNLESS IN EXEMPT INCINERATOR	Permit Number: BL0316 Original Permit Number: BL0316 EPR Reference: - Issue Date: 27-9-2001 Effective Date: 28-9-2001 Last date noted as effective: 2005-10-03 Status: Superseded By Variation
49C	225.0	W	353350, 179850	Operator: Compact Power Limited Installation Name: Advanced Thermal Processing Facility Process: INCINERATION OF NON HAZARDOUS WASTE >1T/HR	Permit Number: BV9438IF Original Permit Number: BL0316IJ EPR Reference: - Issue Date: 29/1/2004 Effective Date: 30/1/2004 Last date noted as effective: 2013-01-23 Status: Superseded
50C	225.0	W	353350, 179850	Operator: Compact Power Limited Installation Name: Advanced Thermal Processing Facility Process: COINCINERATION OF HAZARDOUS WASTE	Permit Number: WP3538UM Original Permit Number: WP3538UM EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 2010-01-06 Status: Determination
51C	225.0	W	353350, 179850	Operator: Compact Power Ltd Installation Name: - Process: WASTE INCINERATION; HAZARDOUS WASTE UNLESS 5.1B UNLESS IN EXEMPT INCINERATOR	Permit Number: BV9438 Original Permit Number: BL0316 EPR Reference: - Issue Date: 29-1-2004 Effective Date: 30-1-2004 Last date noted as effective: 2004-10-01 Status: Superseded By Pas
52E	376.0	N	354770, 181320	Operator: Seabank Power Ltd Installation Name: Seabank Power Ltd Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: NP3739SQ Original Permit Number: BV3006IN EPR Reference: - Issue Date: 23/11/2004 Effective Date: 26/11/2004 Last date noted as effective: 2013-01-23 Status: Effective
53E	376.0	N	354770, 181320	Operator: Seabank Power Ltd Installation Name: Seabank Power Ltd Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: BV3006IN Original Permit Number: BV3006IN EPR Reference: - Issue Date: 4/3/2004 Effective Date: 5/3/2004 Last date noted as effective: 2013-01-23 Status: Superseded

54E	376.0	N	354770, 181320	Operator: National Grid Gas Plc Installation Name: Avonmouth Lng Storage Facility Process: GASIFICATION, LIQUIFAC. AND REFINING; REFINING GAS => 1000 Te/12 MONTHS	Permit Number: SP3639LR Original Permit Number: SP3639LR EPR Reference: - Issue Date: 31/5/2007 Effective Date: 31/5/2007 Last date noted as effective: 2013-01-23 Status: Effective
55E	376.0	N	354770, 181320	Operator: National Grid Gas Plc Installation Name: Avonmouth Lng Storage Facility Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: SP3639LR Original Permit Number: SP3639LR EPR Reference: - Issue Date: 31/5/2007 Effective Date: 31/5/2007 Last date noted as effective: 2013-01-23 Status: Effective

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.

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.

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

The following List 1 Dangerous Substance Inventory Site records are represented as points on the Authorisations, Incidents and Registers map:

ID	Distance [m]	Direction	NGR	Details
4E	381.0	N	354770, 181325	Name: Seabank Power Ltd Status: Active Receiving Water: Severn Estuary Authorised Substances: Mercury (other), Cadmium

Records of List 2 Dangerous Substance Inventory Sites within 500m of the study site: 0

Database searched and no data found.

Records of Part A(2) and Part B Activities and Enforcements within 500m of the study site: 0

Database searched and no data found.

Records of Category 3 or 4 Radioactive Substance Licences within 500m of the study site: 0

Database searched and no data found.

Records of Licensed Discharge Consents within 500m of the study site: 17

The following Licensed Discharge Consents records are represented as points on the Authorisations, Incidents and Registers map:

ID	Distance [m]	Direction	NGR	Details

[Report Reference: HMD-441-912071](#)

5	0.0	On Site	354700, 180310	Address: Hallen Farm, Severn Road, Hallen, Bristol, BS10 7RZ Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: 101334 Permit Version: 1	Receiving Water: Rhine Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 8/11/2000 Effective Date: - Revocation Date: -
6	9.0	W	353545, 180112	Address: Cabot Park Pumping Station No.3, Poplar Link Road, Avonmouth, Bristol, BS11 0YS Effluent Type: Sewage Discharges - Pumping Station - Water Company Permit Number: 101155 Permit Version: 1	Receiving Water: Tributary Of Salt Rhine (s) Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 30/5/2000 Effective Date: 14/4/2000 Revocation Date: -
7	139.0	N	354330, 181100	Address: The Willows, Severn Road, Hallen, Bristol, BS10 7RZ Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: 012642 Permit Version: 1	Receiving Water: Un-named Watercourse Status: Lapsed Under Schedule 23 Environment Act 1995 Issue date: 14/2/1995 Effective Date: 7/2/1995 Revocation Date: 1/10/1996
8	212.0	N	354390, 181170	Address: Hallen Industrial Estate, Severn Road, Hallen, Bristol, . Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: 101116 Permit Version: 1	Receiving Water: Un-named Rhine Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 24/2/2000 Effective Date: 22/2/2000 Revocation Date: -
9	225.0	W	353430, 180580	Address: Seven Gates, Lawrence Weston Road, Avonmouth, Bristol, BS11 0YW Effluent Type: Miscellaneous Discharges - Surface Water Permit Number: 100498 Permit Version: 1	Receiving Water: Salt Rhyne Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 17/2/1998 Effective Date: 17/2/1998 Revocation Date: -
10	255.0	N	354750, 181200	Address: British Pipeline Agency Ltd, Berwick Lane, Hallen, Bristol, BS10 7RS Effluent Type: Trade Discharges - Site Drainage Permit Number: 011967 Permit Version: 1	Receiving Water: Monks Well Rhine Status: New Consent, By Application (wra 91, Section 113 & Sched 12) Issue date: 4/2/1993 Effective Date: 2/2/1993 Revocation Date: -
11	292.0	W	353280, 180320	Address: Seven Gates, Lawrence Weston Road, Avonmouth, Bristol, BS11 0YW Effluent Type: Miscellaneous Discharges - Surface Water Permit Number: 100499 Permit Version: 1	Receiving Water: Unnamed Watercourse Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 17/2/1998 Effective Date: 17/2/1998 Revocation Date: -
12	319.0	W	353350, 180640	Address: Seven Gates, Lawrence Weston Road, Avonmouth, Bristol, BS11 0YW Effluent Type: Miscellaneous Discharges - Surface Water Permit Number: 100497 Permit Version: 1	Receiving Water: Salt Rhyne Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 17/2/1998 Effective Date: 17/2/1998 Revocation Date: -
13	324.0	N	354460, 181280	Address: Fish & Skips, Hallen Works, Severn Road, Hallen, Bristol, BS10 7SE Effluent Type: Trade Discharges - Site Drainage Permit Number: 101121 Permit Version: 1	Receiving Water: Trib Of Stut Pill Status: Revoked (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 15/3/2000 Effective Date: 29/2/2000 Revocation Date: 2/4/2002
14	333.0	SW	353280, 179690	Address: Avonmouth Refuse Disposal Works, Kingsweston Lane, Avonmouth, Bristol, . Effluent Type: Trade Discharges - Site Drainage Permit Number: 100139 Permit Version: 1	Receiving Water: Trib Of Salt Rhine Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 27/4/1999 Effective Date: 27/4/1999 Revocation Date: -
15	336.0	N	354240, 181300	Address: Street Farm, Land Adjacent To, Halstock, Yeovil, Somerset Effluent Type: Miscellaneous Discharges - Surface Water Permit Number: 071264 Permit Version: 1	Receiving Water: Un-named Tributary Status: Lapsed Under Schedule 23 Environment Act 1995 Issue date: - Effective Date: 23/8/1990 Revocation Date: 1/10/1996

16	391.0	W	353180, 179890	Address: Avonmouth Refuse Disposal Works, Kingsweston Lane, Avonmouth, Bristol, . Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: 101378 Permit Version: 1	Receiving Water: Un-named Watercourse Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 5/12/2000 Effective Date: - Revocation Date: -
17	403.0	W	353150, 180100	Address: Pumping Station No.1, Cabot Park, Lawrence Weston Road, Avonmouth, Bristol, . Effluent Type: Sewage Discharges - Pumping Station - Water Company Permit Number: 100878 Permit Version: 1	Receiving Water: (s)trib Of Kings Weston Culvet Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 17/8/1999 Effective Date: 1/9/1999 Revocation Date: -
18A	435.0	N	354880, 181370	Address: British Gas Transco Storage, Severn Road, Hallen, Bristol, . Effluent Type: Miscellaneous Discharges - Surface Water Permit Number: 010152 Permit Version: 1	Receiving Water: Monks Well Rhine Status: Lapsed Under Schedule 23 Environment Act 1995 Issue date: - Effective Date: 1/4/1986 Revocation Date: 1/10/1996
19A	435.0	N	354880, 181370	Address: British Gas Transco Storage, Severn Road, Hallen, Bristol, . Effluent Type: Trade Discharges - Site Drainage Permit Number: 100158 Permit Version: 1	Receiving Water: Monks Well Rhine Status: Revoked (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 24/3/1997 Effective Date: 24/3/1997 Revocation Date: 16/4/2008
20B	443.0	W	353230, 180670	Address: Seven Gates, Lawrence Weston Road, Avonmouth, Bristol, BS11 0YW Effluent Type: Miscellaneous Discharges - Surface Water Permit Number: 100496 Permit Version: 1	Receiving Water: Salt Rhyne Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 17/2/1998 Effective Date: 17/2/1998 Revocation Date: -
21B	484.0	W	353190, 180680	Address: Seven Gates, Lawrence Weston Road, Avonmouth, Bristol, BS11 0YW Effluent Type: Miscellaneous Discharges - Surface Water Permit Number: 100495 Permit Version: 1	Receiving Water: Salt Rhyne Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 17/2/1998 Effective Date: 17/2/1998 Revocation Date: -

Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site: 0

Database searched and no data found.

2.2 Dangerous or Hazardous Sites

Records of COMAH & NIHHS sites within 500m of the study site: 1

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

ID	Distance [m]	Direction	NGR	Address	Type	Update
43	285.0	NW	353200, 181500	a e murphy ltd,chittening industrial estate,avonmouth,bristol,bs 11 0yb	NIHHS	2001

2.3 Environment Agency Recorded Pollution Incidents

Records of National Incidents Recording System, List 2 within 250m of the study site: 3

The following NIRS List 2 records are represented as points on the Authorisations, Incidents and Registers Map:
[Report Reference: HMD-441-912071](#)

ID	Distance [m]	Direction	NGR	Details
1	141.0	N	354407, 181099	Incident Date: 17/7/2001 Incident Identification: 16875 Pollutant: Oils and Fuel Pollutant Description: Diesel Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
2	201.0	W	353370, 179900	Incident Date: 25/7/2003 Incident Identification: 176689 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
3	212.0	SW	353380, 179760	Incident Date: 2/4/2003 Incident Identification: 148053 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

Records of National Incidents Recording System, List 1 within 250m of the study site:

0

Database searched and no data found.

2.4 Sites Determined as Contaminated Land under Part IIA EPA 1990¹

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.

¹Further information on sites that have been determined under the Contaminated Land Regime is maintained by Local Authorities under Section 78R of the Environmental Protection Act 1990. Information should be available on both sites currently determined as Contaminated Land and Special Sites.

3. Landfill and Other Waste Sites

3.1 Landfill Sites

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

3

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

ID	Distance [m]	Direction	NGR	Details	
21	125.0	NE	355490, 180809	Address: Berwick Farm Landfill, Berwick Farm Landfill Site, Berwick Lane, Hallen, Bristol, Avon, BS10 7RS Landfill Reference: 27242.0 Regis Reference: CLI134 Landfill Type: A2 : Other Landfill Site taking Special Waste	Operator: Cliffeville Ltd Status: Modified IPPC Reference:
22B	622.0	SW	352900, 179500	Address: Adjacent to and to the North of, Kingsweston Lane Landfill, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 9YF Landfill Reference: 27176.0 Regis Reference: SMA017 Landfill Type: A7 : Industrial Waste Landfill (Factory curtilage)	Operator: Smart Thomas Status: Modified IPPC Reference:
Not shown	904.0	N	354000, 182000	Address: Crooks Marsh Farm, Land / Premises At, Crooks Marsh Farm, Hallen, Bristol, Avon, BS10 7SF Landfill Reference: 27256.0 Regis Reference: AVO329 Landfill Type: A1 : Co-Disposal Landfill Site	Operator: Bristol City Council Status: Issued IPPC Reference:

Records of operational landfill sites sourced from Landmark within 1000m of the study site:

2

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

ID	Distance [m]	Direction	NGR	Details	
1A	642.0	E	355405, 180600	Site Address: Berwick Farm Berwick Lane, Hallen, Avonmouth, BRISTOL, Avon, Agency Reference: EAWML29768 Waste Type: Difficult Waste Description: Difficult Landfill Known Restrictions: No known restriction on source of waste	Record Date: 01-Feb-1998 Transfer Date: Modification Date: 01-Mar-1999 Status: Operational as far as is known Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Large (< 250,000 tonnes/year)
2M	760.0	SW	352900, 179495	Site Address: Kingsweston Lane, Avonmouth, BRISTOL, Avon, Agency Reference: EAWML29700 Waste Type: Difficult Waste Description: Difficult Landfill Known Restrictions: Waste produced/controlled by licence holder	Record Date: 31-Mar-1994 Transfer Date: Modification Date: 01-Nov-1996 Status: Operational as far as is known Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Medium (< 75,000 tonnes/year)

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

22

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

31	143.0	E	355100, 180300	Site Address: Land at Fishers Farm, Hallen, Bristol, Avon Waste Licence: Yes Site Reference: L/NA/T/87 Waste Type: Inert, Industrial, Commercial, Household Regis Reference: -	Licence Issue: 18-Aug-1980 Licence Surrendered: 15-Feb-1994 Licence Hold Address: PO Box 8, Ettingshall, Wolverhampton Operator: -
32	499.0	S	352800, 178500	Site Address: T. Farm, Avonmouth, Bristol, Avon Waste Licence: - Site Reference: - Waste Type: Inert Regis Reference: -	Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: Bristol Corporation
33B	620.0	SW	352800, 179500	Site Address: No.4 AHF Lagoon, North Of Kingsweston, Avonmouth, Bristol Waste Licence: Yes Site Reference: L/BL/T/126D Waste Type: Industrial Regis Reference: -	Licence Issue: 18-Jan-1983 Licence Surrendered: 18-Apr-1994 Licence Hold Address: - Operator: -
34B	622.0	SW	352800, 179500	Site Address: No.3 AHF Lagoon, Avonmouth, Bristol Waste Licence: Yes Site Reference: L/BL/T/77D Waste Type: Inert, Industrial Regis Reference: -	Licence Issue: 17-Mar-1980 Licence Surrendered: 18-Apr-1994 Licence Hold Address: St Andrews Road, Avonmouth, Bristol Operator: -
Not shown	668.0	S	353900, 178400	Site Address: Saltmarsh Drive, Lawrence Weston, Bristol, Avon Waste Licence: - Site Reference: - Waste Type: Commercial, Household Regis Reference: -	Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: Bristol Corporation
Not shown	672.0	N	354800, 181700	Site Address: Crooks Marsh Farm Sevalco, Hallen, Avonmouth Waste Licence: Yes Site Reference: S/NA/T/5 Waste Type: Inert, Industrial, Commercial Regis Reference: -	Licence Issue: 17-Oct-1977 Licence Surrendered: 31-Dec-1979 Licence Hold Address: Avon House North, St James Barton, Bristol Operator: -
37	675.0	W	352800, 179600	Site Address: 3 AHF Lagoon, Kings Weston Lane, Avonmouth, Avon Waste Licence: - Site Reference: - Waste Type: Industrial Regis Reference: -	Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: ISC Chemicals
Not shown	676.0	S	354000, 178600	Site Address: Kingsweston, Kingsweston Lane, Avonmouth, Bristol Waste Licence: Yes Site Reference: L/BL/T/131C, A 003 Waste Type: Inert Regis Reference: -	Licence Issue: 09-Nov-1982 Licence Surrendered: Licence Hold Address: Kingweston Lane, Avonmouth, Bristol Operator: -
39F	780.0	W	352700, 179700	Site Address: 2 AHF Lagoon, Kings Weston Lane, Avonmouth, Avon Waste Licence: - Site Reference: - Waste Type: Industrial Regis Reference: -	Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: R T Z Estates
40	821.0	SW	352700, 179000	Site Address: Kingsweston Lane, Avonmouth Waste Licence: - Site Reference: - Waste Type: - Regis Reference: -	Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: -
Not shown	859.0	N	354200, 181900	Site Address: Crooks Marsh Farm, Hallen, Avonmouth Waste Licence: Yes Site Reference: S/BL/T/30 Waste Type: Inert, Industrial Regis Reference: -	Licence Issue: 16-Jan-1986 Licence Surrendered: Licence Hold Address: Avon House, Barton Operator: -
42G	913.0	W	352600, 180300	Site Address: Tenneco Organics Limited, Rockingham Works, Avonmouth, Bristol Waste Licence: Yes Site Reference: L/BL/T/53 Waste Type: Inert, Liquid sludge Regis Reference: -	Licence Issue: 23-Apr-1979 Licence Surrendered: 19-Oct-1992 Licence Hold Address: Rockingham Works, Avonmouth, Bristol Operator: -

Not shown	946.0	N	354100, 182000	Site Address: Crooks Marsh Farm Sevalco, Hallen, Avonmouth Waste Licence: Yes Site Reference: S/NA/T/5A Waste Type: Inert, Industrial, Commercial Regis Reference: -	Licence Issue: 17-Oct-1977 Licence Surrendered: 31-Dec-1979 Licence Hold Address: Avon House North, St James Barton, Bristol Operator: -
Not shown	987.0	S	353800, 178300	Site Address: Kingsweston, Kingsweston Lane, Avonmouth, Bristol Waste Licence: Yes Site Reference: L/BL/T/40B, A 003 Waste Type: Inert Regis Reference: -	Licence Issue: 21-Nov-1978 Licence Surrendered: Licence Hold Address: Kingweston Lane, Avonmouth, Bristol Operator: -
45	1026.0	W	352500, 179900	Site Address: Gas Area Tip, Kingsweston Lane, Avonmouth, Avon Waste Licence: - Site Reference: - Waste Type: - Regis Reference: -	Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: -
Not shown	1168.0	NE	355300, 182200	Site Address: Severnside Works, Hallen, Bristol Waste Licence: Yes Site Reference: L/NA/T/41 Waste Type: Inert, Industrial, Special Regis Reference: -	Licence Issue: 19-Dec-1978 Licence Surrendered: 24-Mar-1993 Licence Hold Address: The Heath, Runcorn Operator: -
Not shown	1168.0	NE	355300, 182200	Site Address: Severnside Works, Hallen, Bristol Waste Licence: Yes Site Reference: L/NA/T/121 Waste Type: Inert, Industrial, Special Regis Reference: -	Licence Issue: 09-Feb-1982 Licence Surrendered: 24-Mar-1993 Licence Hold Address: Severnside Works, Hallen, Bristol Operator: -
48H	1245.0	SW	352400, 178900	Site Address: Commonwealth Smelting Limited, St Andrews Road, Bristol, Avon Waste Licence: - Site Reference: - Waste Type: - Regis Reference: -	Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: -
Not shown	1263.0	W	352200, 179800	Site Address: Beryllium Burial Pits, Kings Weston Lane, Avonmouth, Avon Waste Licence: - Site Reference: - Waste Type: - Regis Reference: -	Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: R T Z Estates
50H	1270.0	SW	352400, 178900	Site Address: Britannia Zinc Factory Tip, Kingsweston Lane, Avonmouth, Bristol, Avon Waste Licence: Yes Site Reference: L/BL/T/040 Waste Type: Industrial Regis Reference: EM1/L/ 27251	Licence Issue: 21-Nov-1978 Licence Surrendered: Licence Hold Address: Britannia Zinc, Kingsweston Lane, Avonmouth, Bristol Operator: Britannia Zinc Limited
51	1295.0	SW	352300, 179000	Site Address: VR Tip, I S C Chemicals, Avonmouth, Avon Waste Licence: Yes Site Reference: L/BL/T/39A, L/BL/T/131c, L/0131/KIN Waste Type: Inert, Industrial Regis Reference: -	Licence Issue: 21-Nov-1978 Licence Surrendered: Licence Hold Address: Kingweston Lane, Avonmouth, Bristol Operator: -
52	1332.0	SW	352300, 179100	Site Address: Britannia Zinc Slag Tip, Kingsweston Lane, Avonmouth, Bristol, Avon Waste Licence: Yes Site Reference: L/BL/T/305, L/BL/T/039, L/BL/T/40 Waste Type: Industrial Regis Reference: EM1/L/270015	Licence Issue: 30-Jun-1986 Licence Surrendered: Licence Hold Address: St Andrews Road, Avonmouth, Bristol Operator: Britannia Zinc Limited

Records of non-operational landfill sites sourced from Landmark within 1000m of the study site:

8

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

ID	Distance [m]	Direction	NGR	Details

Report Reference: HMD-441-912071

4	371.0	E	355100, 180300	Site Address: Fishers Farm, Hallen, Avonmouth, BRISTOL, Avon, Landfill Licence: 01DADPAL Agency Reference: Waste Type: Difficult Waste Description: Difficult Landfill Known Restrictions: No known restriction on source of waste	Record Date: 31-Jul-1980 Transfer Date: 30-Jun-1993 Modification Date: Status: Licence lapsed/cancelled/defunct/not applicable/surrendered Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
5A	637.0	E	355400, 180600	Site Address: Berwick Farm Berwick Lane, Hallen, Avonmouth, BRISTOL, Avon, Landfill Licence: 01DACRAL Agency Reference: Waste Type: Putrescible Waste Description: Putrescible Landfill Known Restrictions: No known restriction on source of waste	Record Date: 01-Dec-1982 Transfer Date: Modification Date: 31-Aug-1986 Status: Record superseded Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Large (< 250,000 tonnes/year)
6B	718.0	W	352900, 179600	Site Address: No 3 AHF Lagoon, off Kingsweston Lane, Avonmouth, BRISTOL, Avon, Landfill Licence: 01BAEBAL Agency Reference: Waste Type: Difficult Waste Description: Difficult Landfill, Difficult Transfer Known Restrictions: Waste produced/controlled by licence holder	Record Date: 01-Mar-1980 Transfer Date: 01-Jan-1992 Modification Date: 30-Sep-1987 Status: Record superseded Category: LANDFILL - with lagoon Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
7B	718.0	W	352900, 179600	Site Address: No.4 A.H.F Lagoon, North of Kingsweston Lane, Avonmouth, BRISTOL, Avon, Landfill Licence: 01BAAHAL Agency Reference: Waste Type: Difficult Waste Description: Difficult Landfill Known Restrictions: Only waste produced on site	Record Date: 30-Apr-1983 Transfer Date: 01-Jan-1992 Modification Date: 01-Jan-1986 Status: Record superseded Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
Not shown	764.0	N	354900, 181700	Site Address: Crooks Marsh Farm (Sevalco), Hallen, Avonmouth, BRISTOL, Avon Landfill Licence: 01DABVAL Agency Reference: Waste Type: Difficult Waste Description: Difficult Landfill Known Restrictions: No known restriction on source of waste	Record Date: 31-Aug-1978 Transfer Date: Modification Date: Status: Licence lapsed/cancelled/defunct/not applicable/surrendered Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
9C	878.0	E	355647, 180649	Site Address: Berwick Farm Berwick Lane, Hallen, Avonmouth, BRISTOL, Avon, Landfill Licence: 01DAKDAL Agency Reference: Waste Type: Putrescible Waste Description: Putrescible Landfill Known Restrictions: No known restriction on source of waste	Record Date: 31-May-1987 Transfer Date: Modification Date: 01-Feb-1990 Status: Record superseded Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Large (< 250,000 tonnes/year)
10C	878.0	E	355647, 180644	Site Address: Berwick Farm Berwick Lane, Hallen, Avonmouth, BRISTOL, Avon, Landfill Licence: 01DAPTAL Agency Reference: Waste Type: Difficult Waste Description: Difficult Landfill Known Restrictions: No known restriction on source of waste	Record Date: 01-Feb-1994 Transfer Date: Modification Date: 31-Aug-1994 Status: Record superseded Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Medium (< 75,000 tonnes/year)
11G	939.0	W	352620, 180340	Site Address: Rockingham Works (lagoon), Smoke Lane, Avonmouth, BRISTOL, Avon, Landfill Licence: 01BAGGAL Agency Reference: Waste Type: Difficult Waste Description: Difficult Landfill Known Restrictions: No known restriction on source of waste	Record Date: 31-Mar-1979 Transfer Date: Modification Date: Status: Licence lapsed/cancelled/defunct/not applicable/surrendered Category: LANDFILL - with lagoon Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined

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

8

Report Reference: HMD-441-912071

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

ID	Distance [m]	Direction	NGR	Details	
13	789.0	W	352800.0,179700.0	Address: No 3 AAF Lagoon, Kings Weston Lane, Avonmouth,AV BGS Number: 2866.0	Risk: Risk to minor aquifer Waste Type: 1000 tons toxic waste
Not shown	869.0	S	354100.0,178700.0	Address: Saltmarsh Lane, Lawrence Weston Bristol, Avon BGS Number: 2579.0	Risk: No risk to aquifer Waste Type: Some toxic waste
15F	876.0	W	352700.0,179800.0	Address: no 2 AHF Lagoon, Kings Weston Lane, Avonmouth,AV BGS Number: 2868.0	Risk: Risk to minor aquifer Waste Type: 12000 tons toxic waste
16	1068.0	W	352500.0,179900.0	Address: Gas Area Tip, Kingsweston Lane, Avonmouth BGS Number: 2867.0	Risk: No risk to aquifer Waste Type: N/A
Not shown	1275.0	W	352300.0,179800.0	Address: Beryllum Burial Pits, Kings Weston Lne, Avonmouth BGS Number: 2865.0	Risk: Risk to minor aquifer Waste Type:
Not shown	1423.0	S	353100.0,178500.0	Address: T Farm, Avonmouth, Bristol, Avon BGS Number: 2654.0	Risk: No risk to aquifer Waste Type: N/A
Not shown	1430.0	SW	352500.0,178900.0	Address: Commonwealth smelting, St Andrews Rd, Bristol,AV BGS Number: 2872.0	Risk: No risk to aquifer Waste Type: N/A
Not shown	1476.0	SW	352300.0,179100.0	Address: VR Tip, ISC Chemicals, Avonmouth BGS Number: 2869.0	Risk: Risk to minor aquifer Waste Type: N/A

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

3

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

ID	Distance [m]	Direction	Site Address	Source	Data Type
Not shown	1168.0	NE	Refuse Tip	1971 mapping	Polygon
Not shown	1172.0	S	Refuse Tip	1969 mapping	Polygon
Not shown	1173.0	S	Refuse Tip	1969 mapping	Polygon

3.2 Other Waste Sites

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

2

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	
24	242.0	N	354400,181200	Site Address: Hallen Works; Severn Road, Hallen, Avonmouth, BRISTOL, Avon, BS10 7SE Landfill Licence: F32ACHAL EA Reference: EAWML26016 Waste Type: Putrescible Rating: Putrescible Transfer Known Restrictions: No known restriction on source of waste	Record Date: 31-May-2000 Transfer Date: Modification Date: Status: Operational as far as is known Category: TRANSFER Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Very Small (<10,000 tonnes/year)
25E	477.0	SW	353279,179469	Site Address: Avonmouth S.T.Works, Kingsweston Lane, Avonmouth, BRISTOL, Avon, Landfill Licence: 01BAPPAL EA Reference: EAWML29740 Waste Type: Difficult Rating: Difficult Transfer Known Restrictions: No known restriction on source of waste	Record Date: 01-Nov-1994 Transfer Date: Modification Date: Status: Operational as far as is known Category: STORAGE Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Very Large (>250,000 tonnes/year)

Records of non-operational waste treatment, transfer or disposal sites within 500m of the study site: 5

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
26D	239.0	W	353354, 179754	Site Address: Avonmouth Works, Kingsweston Lane, Avonmouth, BRISTOL, Avon, Landfill Licence: 01BABHAL EA Reference: - Waste Type: Putrescible Waste Description: Putrescible Known Restrictions: No known restriction on source of waste Record Date: 30-Jun-1981 Transfer Date: Modification Date: 31-Jul-1989 Status: Licence lapsed/cancelled/defunct/not applicable/surrendered Category: CIVIC AMENITY Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
27D	241.0	SW	353354, 179749	Site Address: Avonmouth Works, Kingsweston Lane, Avonmouth, BRISTOL, Avon, Landfill Licence: 01BAJAL EA Reference: - Waste Type: Difficult Waste Description: Difficult Known Restrictions: No known restriction on source of waste Record Date: 31-May-1980 Transfer Date: Modification Date: Status: Licence lapsed/cancelled/defunct/not applicable/surrendered Category: TRANSFER Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
28	292.0	W	353280, 179880	Site Address: Avonmouth Works, Kingsweston Lane, Avonmouth, BRISTOL, Avon, Landfill Licence: 01BARKAL EA Reference: - Waste Type: Difficult Waste Description: - Known Restrictions: No known restriction on source of waste Record Date: 31-May-1980 Transfer Date: Modification Date: Status: Site now IPC authorised Category: INCINERATION Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
29E	476.0	SW	353274, 179474	Site Address: Avonmouth Sewage Treatment Plant, Avonmouth, BRISTOL, Avon, Landfill Licence: 01BADAAL EA Reference: - Waste Type: Difficult Waste Description: - Known Restrictions: No known restriction on source of waste Record Date: 31-Jul-1979 Transfer Date: Modification Date: Status: Licence lapsed/cancelled/defunct/not applicable/surrendered Category: TREATMENT Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
30E	480.0	SW	353274, 179469	Site Address: Avonmouth S.T. Works, Kingsweston Lane, Avonmouth, BRISTOL, Avon, Landfill Licence: 01BANAAL EA Reference: - Waste Type: Difficult Waste Description: Difficult Known Restrictions: No known restriction on source of waste Record Date: 30-Apr-1992 Transfer Date: 01-Nov-1994 Modification Date: Status: Record superseded Category: STORAGE Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Very Large (>250,000 tonnes/year)

Records of Environment Agency licensed waste sites within 1500m of the study site: 58

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

53	181.0	W	353400, 179800	Site Address: Kingsweston Lane Civic Amenity Site, Avonmouth Refuse Transfer Station, Kingswestern Lane, Avonmouth, Bristol, Avon, BS11 0YS Type: Household Waste Amenity Site Size: < 25000 tonnes Regis Licence Number: AVO273 Operator: Bristol City Council Surrendered Date: - Waste Management licence No: 27200 Annual Tonnage: 24999.0	Issue Date: 13/08/1993 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Kingsweston Lane Civic Amenity Site Cancelled Date: - Correspondence Address: -, -
54I	242.0	N	354424, 181199	Site Address: Unit J1 Hallen Ind Est, Severn Road, Hallen, Bristol, Avon, BS10 7SE Type: ELV Facility Size: < 25000 tonnes Regis Licence Number: ACS010 Operator: Fallows Marc Surrendered Date: - Waste Management licence No: 26096 Annual Tonnage: 2499.0	Issue Date: 14/09/2004 Expiry Date: - Effective Date: 22/06/2010 Status: Transferred Modified: - Site Name: Unit J1 Hallen Industrial Estate Cancelled Date: - Correspondence Address: -, -
55I	242.0	N	354400, 181200	Site Address: Unit N1, Hallen Industrial Estate, Severn Road, Hallen, Bristol, Avon, BS10 7SE Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Regis Licence Number: EUR271 Operator: Euro Recycling Ltd Surrendered Date: 03/02/2010 Waste Management licence No: 26188 Annual Tonnage: 0.0	Issue Date: 17/01/2006 Expiry Date: - Effective Date: - Status: Surrendered Modified: - Site Name: Euro Recycling W E E E Recycling Facility Cancelled Date: - Correspondence Address: -, -
56I	242.0	N	354400, 181200	Site Address: The Recycling Centre, Hallen Ind Est, Severn Road, Hallen, Bristol, BS10 7SE Type: HCI Waste TS + treatment Size: < 25000 tonnes Regis Licence Number: ABL001 Operator: Able Waste Management Ltd Surrendered Date: - Waste Management licence No: 26171 Annual Tonnage: 74999.0	Issue Date: 23/06/2005 Expiry Date: - Effective Date: - Status: Modified Modified: 08/11/2012 Site Name: Able Waste Management Ltd Cancelled Date: - Correspondence Address: -, -
57I	242.0	N	354400, 181200	Site Address: Unit C, Hallen Ind Est, Severn Road, Hallen, South Glos, BS10 7SE Type: - Size: < 25000 tonnes Regis Licence Number: ABL001 Operator: Able Waste Management Ltd Surrendered Date: - Waste Management licence No: 26171 Annual Tonnage: 0.0	Issue Date: 23/06/2005 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Able Waste Management Recycling & Transfer Facility Cancelled Date: - Correspondence Address: -, 3, Alma Vale Road, Clifton, Bristol, BS8 2HL
58I	242.0	N	354400, 181200	Site Address: Unit C, Hallen Ind Est, Severn Road, Hallen, South Glos, BS10 7SE Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Regis Licence Number: ABL001 Operator: Able Waste Management Ltd Surrendered Date: - Waste Management licence No: 26171 Annual Tonnage: 0.0	Issue Date: 23/06/2005 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Able Waste Management Recycling & Transfer Facility Cancelled Date: - Correspondence Address: -, 3, Alma Vale Road, Clifton, Bristol, BS8 2HL
59I	242.0	N	354400, 181200	Site Address: Unit C, Hallen Ind Est, Severn Road, Hallen, Gloucestershire, BS10 7SE Type: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: ABL001 Operator: Able Waste Management Ltd Surrendered Date: - Waste Management licence No: 26171 Annual Tonnage: 17398.0	Issue Date: 23/06/2005 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Able Waste Management Recycling & Transfer Facility Cancelled Date: - Correspondence Address: -, -

60I	242.0	N	354400, 181200	Site Address: Fish & Skips, Severn Road, Hallen, Gloucestershire, BS10 7SE Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Regis Licence Number: FIS001 Operator: Fish Paul Surrendered Date: - Waste Management licence No: 26016 Annual Tonnage: 5000.0	Issue Date: 19/06/2000 Expiry Date: - Effective Date: - Status: Revoked Modified: - Site Name: Fish & Skips Transfer Station Cancelled Date: - Correspondence Address: -, -
61I	242.0	N	354400, 181200	Site Address: Fish & Skips, Severn Road, Hallen, BS10 7SE Type: Household, Commercial & Industrial Waste T Stn Size: Unknown Regis Licence Number: FIS001 Operator: Fish Paul Surrendered Date: - Waste Management licence No: 26016 Annual Tonnage: 5000.0	Issue Date: 19/06/2000 Expiry Date: - Effective Date: - Status: Revoked Modified: - Site Name: Fish & Skips Transfer Station Cancelled Date: - Correspondence Address: -, Hallen Works, Severn Road, Hallen, BS10 7SE
62J	245.0	N	354519, 181199	Site Address: Willow Farm, Severn Road, Severnside, South Gloucs, BS10 7SE Type: Use of waste in construction Size: < 100,000 tps Size: < 25000 tonnes Regis Licence Number: CHU080 Operator: Churngold Recycling Ltd Surrendered Date: - Waste Management licence No: 103266 Annual Tonnage: 99999.0	Issue Date: 11/11/2011 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Willow Farm Cancelled Date: - Correspondence Address: -, -
63J	245.0	N	354519, 181199	Site Address: Willow Farm, Severn Road, Severnside, South Gloucs, BS10 7SE Type: Use of waste in construction Size: < 100,000 tps Size: < 25000 tonnes Regis Licence Number: CHU089 Operator: M J Church (Plant) Ltd Surrendered Date: - Waste Management licence No: 103266 Annual Tonnage: 99999.0	Issue Date: 11/11/2011 Expiry Date: - Effective Date: 27/07/2012 Status: Transferred Modified: - Site Name: Willow Farm Cancelled Date: - Correspondence Address: -, -
64D	279.0	W	353300, 179800	Site Address: Off Kingsweston Lane, Land/premises At, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 0YS Type: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: AVO283 Operator: Bristol City Council Surrendered Date: - Waste Management licence No: 27190 Annual Tonnage: 75000.0	Issue Date: 13/08/1993 Expiry Date: - Effective Date: - Status: Modified Modified: 28/03/2007 Site Name: Kingsweston Lane Transfer Station Cancelled Date: - Correspondence Address: -, -
65	365.0	S	353700, 179400	Site Address: Avonmouth W W T W, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 0YS Type: Biological Treatment Facility Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: WES674 Operator: Wessex Water Services Ltd Surrendered Date: - Waste Management licence No: 102960 Annual Tonnage: 30000.0	Issue Date: 08/05/2012 Expiry Date: - Effective Date: - Status: Modified Modified: 31/07/2012 Site Name: Avonmouth Composting Facility Cancelled Date: - Correspondence Address: -, -
66E	439.0	SW	353300, 179500	Site Address: Avonmouth Sewage Treatment Works, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 0YS Type: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Regis Licence Number: WAS234 Operator: Wessex Water Services Ltd Surrendered Date: - Waste Management licence No: 27215 Annual Tonnage: 75000.0	Issue Date: 14/05/1992 Expiry Date: - Effective Date: - Status: IPPC Modified: - Site Name: Avonmouth Sewage Treatment Works Cancelled Date: - Correspondence Address: -, -

67K	476.0	S	353400, 179400	Site Address: Kings Weston Lane, Avonmouth, Bristol, Avon, BS11 0YS Type: Sewage sludge treatment Size: < 25000 tonnes Regis Licence Number: WES672 Operator: Wessex Water Services Ltd Surrendered Date: - Waste Management licence No: 102520 Annual Tonnage: 3649.0	Issue Date: 23/03/2011 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Bristol Sewage Treatment Works Cancelled Date: - Correspondence Address: -, -
68K	501.0	SW	353357, 179391	Site Address: Pembridge, Leominster, Herefordshire, HR6 9LA Type: HCI Waste TS + treatment Size: < 25000 tonnes Regis Licence Number: KIN104 Operator: Kingspan Insulation Ltd Surrendered Date: - Waste Management licence No: 102567 Annual Tonnage: 74999.0	Issue Date: 20/04/2011 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Kingspan Insulation Ltd Cancelled Date: - Correspondence Address: -, -
69	505.0	SW	353350, 179390	Site Address: Bristol W W T W, Kingsweston Lane, Bath, Avon, BS11 0YS Type: Biological Treatment Facility Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: WES670 Operator: Wessex Water Services Ltd Surrendered Date: - Waste Management licence No: 102248 Annual Tonnage: 34000.0	Issue Date: 18/03/2011 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Avonmouth C H P, Sludge Drying And Food Waste Treatment Facility Cancelled Date: - Correspondence Address: -, -
70A	637.0	E	355400, 180600	Site Address: Berwick Farm Landfill, Berwick Lane, Hallen, Bristol, BS10 7RS Type: Co-Disposal Landfill Site Size: >= 75000 tonnes Regis Licence Number: CLI134 Operator: Cliffeville Ltd Surrendered Date: - Waste Management licence No: 27242 Annual Tonnage: 0.0	Issue Date: 14/12/1982 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Berwick Farm Landfill Site Cancelled Date: - Correspondence Address: St Gabriels Road, St Gabriels Road, Easton, Bristol, BS5 0RT
71A	637.0	E	355400, 180600	Site Address: Berwick Farm Landfill, Land / Premises At Berwick Farm, Berwick Lane, Hallen, Bristol, Avon, BS10 7RS Type: Co-Disposal Landfill Site Size: < 25000 tonnes Regis Licence Number: CLI134 Operator: Cliffeville Ltd Surrendered Date: - Waste Management licence No: 27242 Annual Tonnage: 75000.0	Issue Date: 14/12/1982 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Berwick Farm Landfill Site Cancelled Date: - Correspondence Address: -, -
72L	686.0	NW	353233, 181384	Site Address: Units A, B & C Estuary Park, Chittening Road, Avonmouth, Bristol, Avon, BS11 0YB Type: HCI Waste TS + treatment Size: < 25000 tonnes Regis Licence Number: BOO041 Operator: Boomeco Ltd Surrendered Date: - Waste Management licence No: 102356 Annual Tonnage: 74999.0	Issue Date: 12/03/2012 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Units A, B & C Estuary Park Cancelled Date: - Correspondence Address: -, -
73L	686.0	NW	353233, 181384	Site Address: Units A, B & C Estuary Park, Chittening Road, Avonmouth, Bristol, Avon, BS11 0YB Type: Use of waste to manufacture timber <75,000 tpy Size: < 25000 tonnes Regis Licence Number: BOO043 Operator: Boomeco Limited Surrendered Date: - Waste Management licence No: 104006 Annual Tonnage: 74999.0	Issue Date: 24/05/2012 Expiry Date: - Effective Date: - Status: Modified Modified: 08/10/2012 Site Name: Units A, B & C Estuary Park Cancelled Date: - Correspondence Address: -, -
74	704.0	E	355490, 180809	Site Address: Berwick Farm Landfill, Berwick Farm Landfill Site, Berwick Lane, Hallen, Bristol, Avon, BS10 7RS Type: Other Landfill Site taking Special Waste Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: CLI134 Operator: Cliffeville Ltd Surrendered Date: - Waste Management licence No: 27242 Annual Tonnage: 74999.0	Issue Date: 14/12/1982 Expiry Date: - Effective Date: - Status: Modified Modified: 13/04/2012 Site Name: Berwick Farm Landfill Site Cancelled Date: - Correspondence Address: -, -

Not shown	736.0	NW	353440, 181630	Site Address: The Old Brickworks, Severn Road, Avonmouth, Bristol, Avon, BS10 0YL Type: Metal Recycling Site (Vehicle Dismantler) Size: < 25000 tonnes Regis Licence Number: HAL427 Operator: D Hales Ltd Surrendered Date: - Waste Management licence No: 26213 Annual Tonnage: 4999.0	Issue Date: 27/02/2008 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: The Old Brickworks Cancelled Date: - Correspondence Address: -, -
76M	758.0	SW	352900, 179500	Site Address: Adjacent to and to the North of, Kingsweston Lane, Avonmouth, Bristol, Avon Type: Industrial Waste Landfill (Factory curtilage) Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: RHO305 Operator: Rhodia Ltd Surrendered Date: - Waste Management licence No: 27176 Annual Tonnage: 75000.0	Issue Date: 15/04/1994 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Rhodia Landfill Site Cancelled Date: - Correspondence Address: Oak House, Oak House, Reeds Crescent, Watford, Hertfordshire, WD1 1QH
77M	758.0	SW	352900, 179500	Site Address: Adjacent to and to the North of, Kingsweston Lane, Avonmouth, Bristol, BS11 9YF Type: Industrial Waste Landfill (Factory curtilage) Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: RHO305 Operator: Rhodia UK Ltd Surrendered Date: - Waste Management licence No: 27176 Annual Tonnage: 75000.0	Issue Date: 15/04/1994 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Rhodia Landfill Site Cancelled Date: - Correspondence Address: Oak House, Oak House, Reeds Crescent, Watford, Hertfordshire, WD1 1QH
78M	758.0	SW	352900, 179500	Site Address: Adjacent to and to the North of, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 9YF Type: Industrial Waste Landfill (Factory curtilage) Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: SMA017 Operator: Smart Thomas Surrendered Date: - Waste Management licence No: 27176 Annual Tonnage: 75000.0	Issue Date: 15/04/1994 Expiry Date: - Effective Date: 05/10/2009 Status: Transferred Modified: - Site Name: Kingsweston Lane Landfill Cancelled Date: - Correspondence Address: -, -
79M	758.0	SW	352900, 179500	Site Address: Adjacent to and to the North of, Kingsweston Lane Landfill, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 9YF Type: Industrial Waste Landfill (Factory curtilage) Size: < 25000 tonnes Regis Licence Number: SMA017 Operator: Smart Thomas Surrendered Date: - Waste Management licence No: 27176 Annual Tonnage: 250000.0	Issue Date: 15/04/1994 Expiry Date: - Effective Date: 05/10/2009 Status: Modified Modified: 28/05/2012 Site Name: Kingsweston Lane Landfill Cancelled Date: - Correspondence Address: -, -
80M	758.0	SW	352900, 179500	Site Address: Adjacent to and to the North of, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 9YF Type: Industrial Waste Landfill (Factory curtilage) Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: RHO305 Operator: Rhodia U K Ltd Surrendered Date: - Waste Management licence No: 27176 Annual Tonnage: 75000.0	Issue Date: 15/04/1994 Expiry Date: - Effective Date: - Status: Closure Modified: - Site Name: Rhodia Landfill Site Cancelled Date: - Correspondence Address: -, -
Not shown	763.0	NW	353280, 181550	Site Address: Chittening Road Recycling Centre, Chittening Road Ind Est, Avonmouth, Bristol, Avon, BS11 0YU Type: Metal Recycling Site (mixed MRS's) Size: >= 75000 tonnes Regis Licence Number: BRI118 Operator: Bristol & Avon Remediation Ltd Surrendered Date: - Waste Management licence No: 100449 Annual Tonnage: 299999.0	Issue Date: 30/10/2009 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Chittening Road Recycling Centre Cancelled Date: - Correspondence Address: -, -

Not shown	826.0	N	354000, 181800	Site Address: Ableton Lane, Severn Beach, Chittening, Bristol, Avon, BS10 0YB Type: Metal Recycling Site (Vehicle Dismantler) Size: < 25000 tonnes Regis Licence Number: HAL425 Operator: D Hales Ltd Surrendered Date: - Waste Management licence No: 26079 Annual Tonnage: 25000.0	Issue Date: 09/10/2003 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Ableton Lane Cancelled Date: - Correspondence Address: -, -
83	862.0	NW	353100, 181500	Site Address: Greensplott Road, Greensplott Rd, Chittening Estate, Avonmouth, Bristol, Avon, BS11 0YB Type: Special Waste Transfer Station Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: DUR326 Operator: Durston Waste Management Ltd Surrendered Date: 24/05/2006 Waste Management licence No: 27161 Annual Tonnage: 75000.0	Issue Date: 05/02/1996 Expiry Date: - Effective Date: - Status: Surrendered Modified: - Site Name: Durston T/s Cancelled Date: - Correspondence Address: -, -
84F	876.0	W	352700, 179800	Site Address: Merebank Road, Avonmouth, Bristol, Avon Type: HCI Waste TS + treatment Size: < 25000 tonnes Regis Licence Number: AVO013 Operator: Avonmouth Resource Park Ltd Surrendered Date: - Waste Management licence No: 101887 Annual Tonnage: 40000.0	Issue Date: 09/09/2010 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Avonmouth Resource Park Cancelled Date: - Correspondence Address: -, -
85	883.0	W	352665, 180162	Site Address: Unit 117a, Burcott Road, Avonmouth, Bristol, Avon, BS11 8AG Type: WEEE treatment facility Size: < 25000 tonnes Regis Licence Number: EUR053 Operator: E Recycling Ltd Surrendered Date: - Waste Management licence No: 101256 Annual Tonnage: 74999.0	Issue Date: 24/11/2009 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Euro Recycling Ltd Cancelled Date: - Correspondence Address: -, -
86	929.0	W	352700, 180600	Site Address: Rockingham Works, Smoke Lane, Avonmouth, Bristol, BS11 0YA Type: Special Waste Transfer Station Size: < 25000 tonnes Regis Licence Number: CHE226 Operator: Chemical Recoveries Ltd Surrendered Date: - Waste Management licence No: 27219 Annual Tonnage: 25000.0	Issue Date: 15/08/1991 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Chemical Recoveries Avonmouth Cancelled Date: - Correspondence Address: Smoke Lane, Smoke Lane, Avonmouth, Bristol, BS11 0YA
Not shown	1026.0	N	354000, 182000	Site Address: Crooks Marsh Farm, Hallen, Crooks Marsh Farm, Hallen, Bristol Type: Co-Disposal Landfill Site Size: >= 75000 tonnes Regis Licence Number: AVO329 Operator: Bristol City Council Surrendered Date: - Waste Management licence No: 27256 Annual Tonnage: 0.0	Issue Date: 16/01/1986 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Crooks Marsh Farm Landfill Site Cancelled Date: - Correspondence Address: Brunel House, Brunel House, St Georges Road, Bristol, Avon, BS1 5UY
Not shown	1026.0	N	354000, 182000	Site Address: Crooks Marsh Farm, Land / Premises At, Crooks Marsh Farm, Hallen, Bristol, Avon, BS10 7SF Type: Co-Disposal Landfill Site Size: < 25000 tonnes Regis Licence Number: AVO329 Operator: Bristol City Council Surrendered Date: - Waste Management licence No: 27256 Annual Tonnage: 52000.0	Issue Date: 16/01/1986 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Crooks Marsh Farm Landfill Site Cancelled Date: - Correspondence Address: -, -

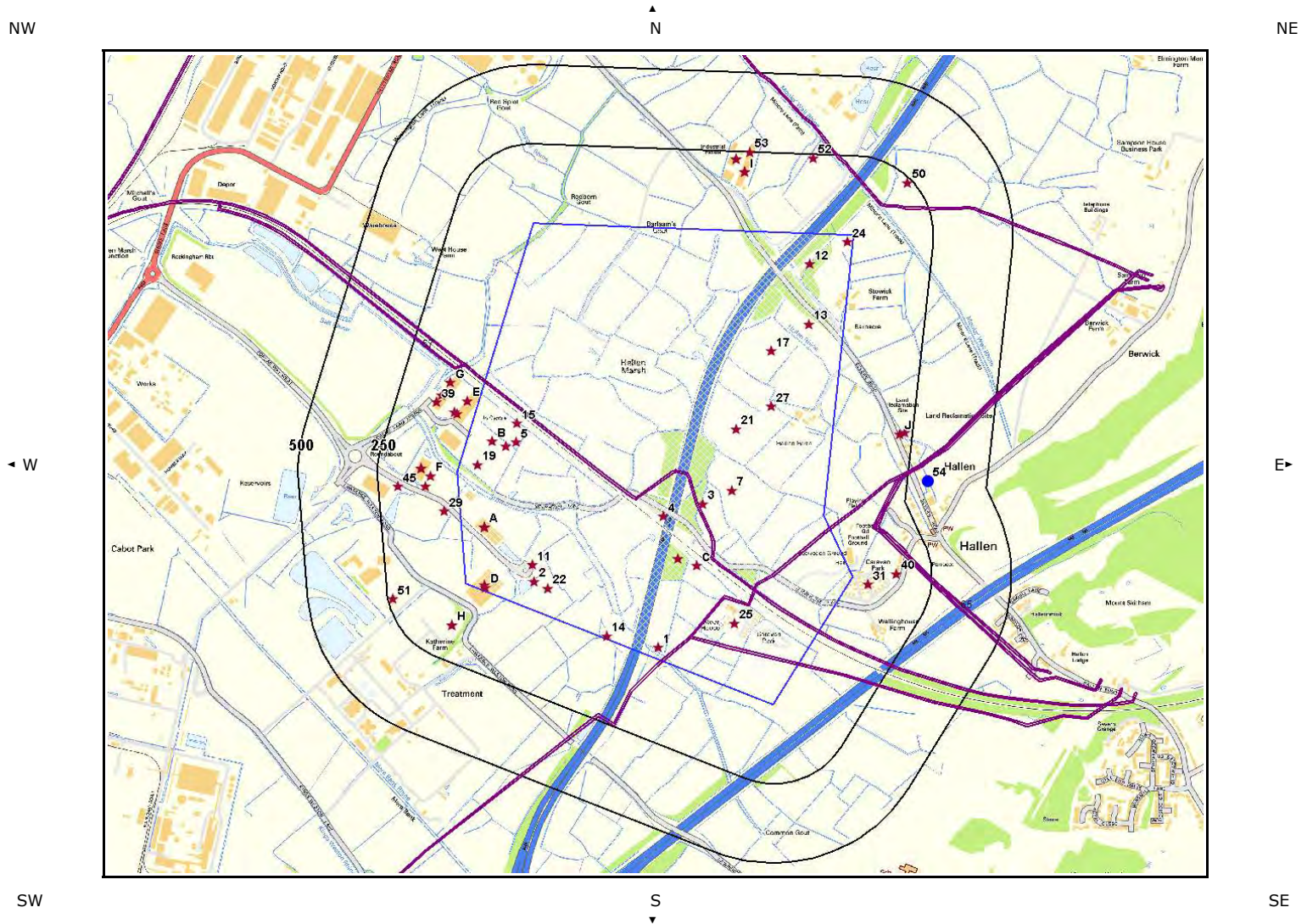
89	1044.0	SW	352730, 179230	Site Address: Land / Premises At, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT Type: Special Waste Transfer Station Size: < 25000 tonnes Regis Licence Number: STM003 Operator: St Modwen Developments Ltd Surrendered Date: 18/07/2011 Waste Management licence No: 26212 Annual Tonnage: 0.0	Issue Date: 17/04/2007 Expiry Date: - Effective Date: - Status: Surrendered Modified: - Site Name: Kingsweston Lane Cancelled Date: - Correspondence Address: -, -
90	1051.0	W	352500, 180100	Site Address: Units C & D, 203, Burcott Road, Avonmouth, Bristol, Avon, BS11 8AP Type: Clinical Waste Transfer Station Size: < 25000 tonnes Regis Licence Number: ECO023 Operator: Eco Waste South West Ltd Surrendered Date: - Waste Management licence No: 100334 Annual Tonnage: 24999.0	Issue Date: 04/07/2008 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Ecowaste South West Ltd Cancelled Date: - Correspondence Address: -, -
Not shown	1059.0	N	353500, 182000	Site Address: Former Texaco Oil Depot, Severn Road, Avonmouth, Bristol, Avon, BS11 0YL Type: Special Waste Transfer Station Size: >= 75000 tonnes Regis Licence Number: STE146 Operator: Steve Ball Recycled Aggregates Ltd Surrendered Date: - Waste Management licence No: 102455 Annual Tonnage: 99999.0	Issue Date: 27/09/2011 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Former Texaco Oil Depot Cancelled Date: - Correspondence Address: -, -
92	1133.0	W	352493, 180620	Site Address: Rockingham Works, Land / Premises At, Smoke Lane, Avonmouth, Bristol, Avon, BS11 0YA Type: Special Waste Transfer Station Size: < 25000 tonnes Regis Licence Number: AUG005 Operator: Augean Treatment Ltd Surrendered Date: - Waste Management licence No: 27219 Annual Tonnage: 25000.0	Issue Date: 15/08/1991 Expiry Date: - Effective Date: 13/03/2008 Status: Transferred Modified: - Site Name: Chemical Recoveries Avonmouth Cancelled Date: - Correspondence Address: -, -
93	1231.0	W	352457, 180839	Site Address: Land At Rockingham Park, Smoke Lane, Bristol, Avon, BS11 0YW Type: Deposit of waste to land as a recovery operation Size: < 25000 tonnes Regis Licence Number: TER339 Operator: Terramond Ltd Surrendered Date: - Waste Management licence No: 104455 Annual Tonnage: 84200.0	Issue Date: 04/10/2012 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Land At Rockingham Park Cancelled Date: - Correspondence Address: -, -
Not shown	1355.0	W	352300, 180750	Site Address: East Shed, Rear Of Moleson Holdings, Smoke Lane, Avonmouth, Bristol, Avon, BS11 0YA Type: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: SMI429 Operator: Smith's (Gloucester) Ltd Surrendered Date: - Waste Management licence No: 26181 Annual Tonnage: 74960.0	Issue Date: 23/09/2005 Expiry Date: - Effective Date: - Status: Modified Modified: 11/06/2012 Site Name: East Shed Transfer & Recycling Site Cancelled Date: - Correspondence Address: -, -
Not shown	1355.0	W	352300, 180750	Site Address: Eastern Shed, Rear Of Moleson Holdings, Smoke Lane, Avonmouth, Bristol, BS11 0YA Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Regis Licence Number: SMI429 Operator: Smith's (gloucester) Ltd Surrendered Date: - Waste Management licence No: 26181 Annual Tonnage: 0.0	Issue Date: 23/09/2005 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Eastern Shed Transfer & Recycling Site Cancelled Date: - Correspondence Address: -, Beaumont House, 172, Southgate Street, Gloucester, Gloucestershire, GL1 2EZ

Not shown	1355.0	W	352300, 180750	Site Address: Eastern Shed, Rear Of Moleson Holdings, Smoke Lane, Avonmouth, Bristol, BS11 0YA Type: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: SMI429 Operator: Smith's (gloucester) Ltd Surrendered Date: - Waste Management licence No: 26181 Annual Tonnage: 0.0	Issue Date: 23/09/2005 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Eastern Shed Transfer & Recycling Site Cancelled Date: - Correspondence Address: -, Beaumont House, 172, Southgate Street, Gloucester, Gloucestershire, GL1 2EZ
Not shown	1355.0	W	352300, 180750	Site Address: Eastern Shed, Rear Of Moleson Holdings, Smoke Lane, Avonmouth, Bristol, BS11 0YA Type: - Size: < 25000 tonnes Regis Licence Number: SMI429 Operator: Smith's (gloucester) Ltd Surrendered Date: - Waste Management licence No: 26181 Annual Tonnage: 0.0	Issue Date: 23/09/2005 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Eastern Shed Transfer & Recycling Site Cancelled Date: - Correspondence Address: -, Beaumont House, 172, Southgate Street, Gloucester, Gloucestershire, GL1 2EZ
98H	1366.0	SW	352500, 179000	Site Address: St Andrews Road, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT Type: Industrial Waste Landfill (Factory curtilage) Size: Unknown Regis Licence Number: BRI040 Operator: Britannia Zinc Ltd Surrendered Date: - Waste Management licence No: 27251 Annual Tonnage: 0.0	Issue Date: 22/03/1995 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Britannia Zinc Factory Tip Cancelled Date: - Correspondence Address: Kingsweston Lane, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT
99H	1366.0	SW	352500, 179000	Site Address: St Andrews Road, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT Type: Industrial Waste Landfill (Factory curtilage) Size: < 25000 tonnes Regis Licence Number: 27251 Operator: St Modwen Developments Ltd Surrendered Date: - Waste Management licence No: 27251 Annual Tonnage: 2338.0	Issue Date: 22/03/1995 Expiry Date: 05/02/2004 Effective Date: 09/08/2003 Status: Expired Modified: - Site Name: Britannia Zinc Factory Tip Cancelled Date: - Correspondence Address: -, -
100H	1366.0	SW	352500, 179000	Site Address: St Andrews Road, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT Type: Industrial Waste Landfill (Factory curtilage) Size: < 25000 tonnes Regis Licence Number: 27251 Operator: St Modwen Developments Ltd Surrendered Date: - Waste Management licence No: 27251 Annual Tonnage: 0.0	Issue Date: 22/03/1995 Expiry Date: 05/02/2004 Effective Date: 09/08/2003 Status: Expired Modified: - Site Name: Britannia Zinc Factory Tip Cancelled Date: - Correspondence Address: -, Lyndon House, 58/62, Hagley Road, Edgbaston, Birmingham, B16 8PE
101H	1366.0	SW	352500, 179000	Site Address: St Andrews Road, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT Type: Industrial Waste Landfill (Factory curtilage) Size: Unknown Regis Licence Number: 27251 Operator: St Modwen Developments Ltd Surrendered Date: - Waste Management licence No: 27251 Annual Tonnage: 0.0	Issue Date: 22/03/1995 Expiry Date: - Effective Date: 09/08/2003 Status: Transferred Modified: - Site Name: Britannia Zinc Factory Tip Cancelled Date: - Correspondence Address: -, Lyndon House, 58/62, Hagley Road, Edgbaston, Birmingham, B16 8PE
Not shown	1386.0	SW	352300, 179300	Site Address: St Andrews Road, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT Type: Industrial Waste Landfill (Factory curtilage) Size: Unknown Regis Licence Number: BRI325 Operator: Britannia Zinc Ltd Surrendered Date: - Waste Management licence No: 27015 Annual Tonnage: 0.0	Issue Date: 01/07/1986 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Britannia Zinc Slag Tip Cancelled Date: - Correspondence Address: Kingsweston Lane, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT

Not shown	1386.0	SW	352300, 179300	Site Address: St Andrews Road, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT Type: Industrial Waste Landfill (Factory curtilage) Size: < 25000 tonnes Regis Licence Number: 270015 Operator: St Modwen Developments Ltd Surrendered Date: - Waste Management licence No: 27015 Annual Tonnage: 75000.0	Issue Date: 01/07/1986 Expiry Date: 05/12/2004 Effective Date: 09/08/2003 Status: Expired Modified: - Site Name: Britannia Zinc Slag Tip Cancelled Date: - Correspondence Address: -, -
Not shown	1386.0	SW	352300, 179300	Site Address: St Andrews Road, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT Type: Industrial Waste Landfill (Factory curtilage) Size: Unknown Regis Licence Number: 270015 Operator: St Modwen Developments Ltd Surrendered Date: - Waste Management licence No: 27015 Annual Tonnage: 0.0	Issue Date: 01/07/1986 Expiry Date: - Effective Date: 09/08/2003 Status: Transferred Modified: - Site Name: Britannia Zinc Slag Tip Cancelled Date: - Correspondence Address: -, Lyndon House, 58/62, Hagley Road, Edgbaston, Birmingham, B16 8PE
Not shown	1396.0	W	352160, 180350	Site Address: 309, Dean Road Severnside Trad Est, Avonmouth, Bristol, Avon, BS11 8AT Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Regis Licence Number: ARL001 Operator: Gale Kevin Derrick Surrendered Date: - Waste Management licence No: 26069 Annual Tonnage: 25000.0	Issue Date: 14/05/2003 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Dean Road Transfer Station Cancelled Date: - Correspondence Address: -, -
Not shown	1396.0	W	352160, 180350	Site Address: 309, Dean Road, Severnside T E Avonmouth, Bristol, BS11 8AT Type: Household, Commercial & Industrial Waste T Stn Size: Unknown Regis Licence Number: ARL001 Operator: Gale Kevin Derrick Surrendered Date: - Waste Management licence No: 26069 Annual Tonnage: 0.0	Issue Date: 14/05/2003 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Dean Road Transfer Station Cancelled Date: - Correspondence Address: -, 267, Juniper Way, Bradley Stoke, Bristol, BS32 0DP
Not shown	1447.0	W	352100, 180200	Site Address: Bath Reclamation, Ironchurch Road, Avonmouth, Bristol, Avon, BS11 9HP Type: Metal Recycling Site (mixed MRS's) Size: < 25000 tonnes Regis Licence Number: REC291 Operator: Simsmetal U K (Reclamation) Ltd Surrendered Date: - Waste Management licence No: 27184 Annual Tonnage: 0.0	Issue Date: 14/09/1993 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Simsmetal Reclamation Scrap Yard Cancelled Date: - Correspondence Address: Ironchurch Road, Ironchurch Road, Avonmouth, Bristol, Avon, BS11 9HP
Not shown	1447.0	W	352100, 180200	Site Address: Bath Reclamation, Land/premises At, Ironchurch Road, Avonmouth, Bristol, Avon, BS11 9HP Type: Metal Recycling Site (mixed MRS's) Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: REC291 Operator: Sims Group Uk Ltd Surrendered Date: - Waste Management licence No: 27184 Annual Tonnage: 74999.0	Issue Date: 14/09/1993 Expiry Date: - Effective Date: - Status: Transferred Modified: - Site Name: Sims Group Reclamation Scrap Yard Cancelled Date: - Correspondence Address: -, -
Not shown	1447.0	W	352100, 180200	Site Address: Bath Reclamation, Ironchurch Road, Avonmouth, Bristol, Avon, BS11 9HP Type: Metal Recycling Site (mixed MRS's) Size: < 25000 tonnes Regis Licence Number: REC291 Operator: Sims Group Uk Ltd Surrendered Date: - Waste Management licence No: 27184 Annual Tonnage: 0.0	Issue Date: 14/09/1993 Expiry Date: - Effective Date: - Status: Transferred Modified: - Site Name: Sims Group Reclamation Scrap Yard Cancelled Date: - Correspondence Address: -, Ironchurch Road, Avonmouth, Bristol, Avon, BS11 9HP

Not shown	1479.0	W	352200, 179300	Site Address: Avonmouth M B T Facility, Kings Weston Lane, Avonmouth, Bristol, Avon, BS11 9FG Type: Biological Treatment Facility Size: >= 75000 tonnes Regis Licence Number: NEW123 Operator: New Earth Solutions (West) Ltd Surrendered Date: - Waste Management licence No: 101145 Annual Tonnage: 199999.0	Issue Date: 14/04/2010 Expiry Date: - Effective Date: - Status: Modified Modified: 05/10/2012 Site Name: Avonmouth M B T Facility Cancelled Date: - Correspondence Address: -, -

4. Current Land Use Map



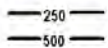
Current Land Use Legend



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Site Outline



Search Buffers (m)



Current Industrial Sites



Petrol & Fuel Sites



Underground High Pressure Oil & Fuel Pipelines

4. Current Land Uses

4.1 Current Industrial Data

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

53

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

ID	Distance [m]	Direction	Company	Address	Activity	Category
1	0.0	On Site	Pylon	BS10	Electrical Features	Infrastructure and Facilities
2	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
3	0.0	On Site	Pylon	BS10	Electrical Features	Infrastructure and Facilities
4	0.0	On Site	Pumping Station	BS10	Water Pumping Stations	Industrial Features
5	0.0	On Site	S D S Distribution	Unit 6 St. Martins Industrial Park, Moorend Farm Avenue, Bristol, BS11 0RS	Distribution and Haulage	Transport, Storage and Delivery
6 D	0.0	On Site	K N Drinks Logistics	11, Poplar Way East, Bristol, BS11 0YH	Distribution and Haulage	Transport, Storage and Delivery
7	0.0	On Site	Pylon	BS10	Electrical Features	Infrastructure and Facilities
8A	0.0	On Site	Honda UK Plot 33	Cabot Park, Poplar Way West, Bristol, BS11 0YW	Vehicle Repair, Testing and Servicing	Repair and Servicing
9A	0.0	On Site	Bristol Street Commercial	Cabot Park, Poplar Way West, Bristol, BS11 0YW	New Vehicles	Motoring
10 A	0.0	On Site	Robert Wiseman Dairies	Cabot Park, Poplar Way West, Bristol, BS11 0YW	Dairy Farming	Farming
11	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
12	0.0	On Site	Pylon	BS10	Electrical Features	Infrastructure and Facilities
13	0.0	On Site	Pylon	BS10	Electrical Features	Infrastructure and Facilities
14	0.0	On Site	Pylon	BS10	Electrical Features	Infrastructure and Facilities
15	0.0	On Site	H B Body UK Ltd	Unit 1/A St. Martins Industrial Park, Moorend Farm Avenue, Bristol, BS11 0RS	Paints, Varnishes and Lacquers	Industrial Products
16 C	0.0	On Site	Pylon	BS10	Electrical Features	Infrastructure and Facilities
17	0.0	On Site	Pylon	BS10	Electrical Features	Infrastructure and Facilities
18 B	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
19	0.0	On Site	Sureway Express Transport Ltd	Unit 12 I O Centre, Moorend Farm Avenue, Bristol, BS11 0QL	Distribution and Haulage	Transport, Storage and Delivery
20 B	0.0	On Site	C M B Engineering Bristol Ltd	St Martins Industrial Park, Moorend Farm Avenue, Bristol, BS11 0RS	Electrical and Electronic Engineers	Engineering Services
21	0.0	On Site	Pylon	BS10	Electrical Features	Infrastructure and Facilities
22	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
23 C	0.0	On Site	Pylon	BS10	Electrical Features	Infrastructure and Facilities
24	0.0	On Site	Pylon	BS10	Electrical Features	Infrastructure and Facilities
25	0.0	On Site	Monterey Industries	Moorhouse, Moorhouse Lane, Hallen, Bristol, BS10 7RU	Vehicles	Industrial Products
26 D	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery
27	0.0	On Site	Pylon	BS10	Electrical Features	Infrastructure and Facilities
28 E	36.0	W	J C A Coatings	Unit 10 I O Centre, Moorend Farm Avenue, Bristol, BS11 0QL	Vehicle Parts and Accessories	Motoring

Report Reference: HMD-441-912071

29	50.0	W	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
30 E	55.0	W	I J S Global	Unit 8-9 I O Centre, Moorend Farm Avenue, Bristol, BS11 0QL	Distribution and Haulage	Transport, Storage and Delivery
31	55.0	SE	Electricity Sub Station	BS10	Electrical Features	Infrastructure and Facilities
32 E	64.0	W	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
33 F	85.0	W	Depot	BS11	Container and Storage	Transport, Storage and Delivery
34 G	103.0	W	L S I Workplace Europe Ltd	Unit 5/A I O Centre, Moorend Farm Avenue, Bristol, BS11 0QL	Office and Shop Equipment	Industrial Products
35 F	103.0	W	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
36 F	114.0	W	Unitrunk Ltd	Poplar Way East, Bristol, BS11 0YH	Cable, Wire and Fibre Optics	Industrial Products
37 F	114.0	W	D S V Ltd	3, Poplar Way East, Bristol, BS11 0YH	Distribution and Haulage	Transport, Storage and Delivery
38 G	119.0	W	H M Plant Ltd	Unit 2 I O Centre, Moorend Farm Avenue, Bristol, BS11 0QL	Construction Plant	Construction Services
39	126.0	W	Kranlyft UK Ltd	Unit 1 I O Centre, Moorend Farm Avenue, Bristol, BS11 0QL	Construction and Tool Hire	Hire Services
40	136.0	E	G & G Auto Engineering	Unit 1 Hallen Garage, Moorhouse Lane, Hallen, Bristol, BS10 7RT	Vehicle Repair, Testing and Servicing	Repair and Servicing
41 H	138.0	S	Sewage Treatment Works	BS11	Waste Storage, Processing and Disposal	Infrastructure and Facilities
42 H	141.0	S	Works	BS11	Unspecified Works Or Factories	Industrial Features
43 I	185.0	N	Hallen Plant Services	Hallen Industrial Estate, Severn Road, Hallen, Bristol, BS10 7SE	Industrial Coatings and Finishings	Industrial Products
44 I	185.0	N	Awesome Imports	Hallen Industrial Estate, Severn Road, Hallen, Bristol, BS10 7SE	Vehicle Parts and Accessories	Motoring
45	189.0	W	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
46 J	211.0	E	Haywards Airport Travel Services Ltd	Castle Works, Severn Road, Hallen, Bristol, BS10 7RZ	Airlines and Airline Services	Transport, Storage and Delivery
47 J	225.0	E	Castle Works	BS10	Unspecified Works Or Factories	Industrial Features
48 I	227.0	N	Able Waste Management Ltd	Unit B/3 Hallen Industrial Estate, Severn Road, Hallen, Bristol, BS10 7SE	Waste Storage, Processing and Disposal	Infrastructure and Facilities
49 I	227.0	N	South West Garage & Bodyshop	Unit B3 Hallen Industrial Estate, Severn Road, Hallen, Bristol, BS10 7SE	Vehicle Repair, Testing and Servicing	Repair and Servicing
50	235.0	NE	Refuse Tip	BS10	Refuse Disposal Facilities	Infrastructure and Facilities
51	236.0	W	Bristol City Council Avonmouth Refuse Transfer Station	Avonmouth Refuse Transfer Station, Kings Weston Lane, Bristol, BS11 0YS	Recycling, Reclamation and Disposal	Recycling Services
52	238.0	N	Pylon	BS10	Electrical Features	Infrastructure and Facilities
53	249.0	N	Car & Truck Ltd	Hallen Industrial Estate, Severn Road, Hallen, Bristol, BS10 7SE	Vehicle Repair, Testing and Servicing	Repair and Servicing

4.2 Petrol and Fuel Sites

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

1

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

ID	Distance [m]	Direction	NGR	Company	Address	LPG	Status

54	313.0	E	355027, 180165	Obsolete	Hallen Motors, Severn Road, Severn Road, Hallen, Bristol, Gloucestershire, BS10 7RZ	Not Applicable	Obsolete

4.3 Underground High Pressure Oil and Gas Pipelines

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

11

The following Underground High Pressure Oil and Gas pipeline records provided by Linewatch are represented as linear features on the Current Land Use map:

ID	Distance [m]	Direction	Address	Operator	Telephone
55	0.0	On Site	GPSS, PO Box 7273, Ashby De La Zouch, LE65 2BY	GPSS Aldermaston pipelines	0845 070 1245
56	0.0	On Site	GPSS, PO Box 7273, Ashby De La Zouch, LE65 2BY	GPSS Aldermaston pipelines	0845 070 1245
57	0.0	On Site	GPSS, PO Box 7273, Ashby De La Zouch, LE65 2BY	GPSS Aldermaston pipelines	0845 070 1245
58K	0.0	On Site	GPSS, PO Box 7273, Ashby De La Zouch, LE65 2BY	GPSS Aldermaston pipelines	0845 070 1245
59	0.0	On Site	GPSS, PO Box 7273, Ashby De La Zouch, LE65 2BY	GPSS Aldermaston pipelines	0845 070 1245
60	32.0	W	GPSS, PO Box 7273, Ashby De La Zouch, LE65 2BY	GPSS Aldermaston pipelines	0845 070 1245
61K	125.0	NE	GPSS, PO Box 7273, Ashby De La Zouch, LE65 2BY	GPSS Aldermaston pipelines	0845 070 1245
62	127.0	NE	GPSS, PO Box 7273, Ashby De La Zouch, LE65 2BY	GPSS Aldermaston pipelines	0845 070 1245
63	133.0	NE	GPSS, PO Box 7273, Ashby De La Zouch, LE65 2BY	GPSS Aldermaston pipelines	0845 070 1245
64	141.0	NE	GPSS, PO Box 7273, Ashby De La Zouch, LE65 2BY	GPSS Aldermaston pipelines	0845 070 1245
65	150.0	NE	GPSS, PO Box 7273, Ashby De La Zouch, LE65 2BY	GPSS Aldermaston pipelines	0845 070 1245

5. Geology

5.1 Artificial Ground and Made Ground

Database searched and no data found.

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

5.2 Superficial Ground and Drift Geology

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

Lex Code	Description	Rock Type
TFD-CLSI	TIDAL FLAT DEPOSITS	CLAY AND SILT

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

5.3 Bedrock and Solid Geology

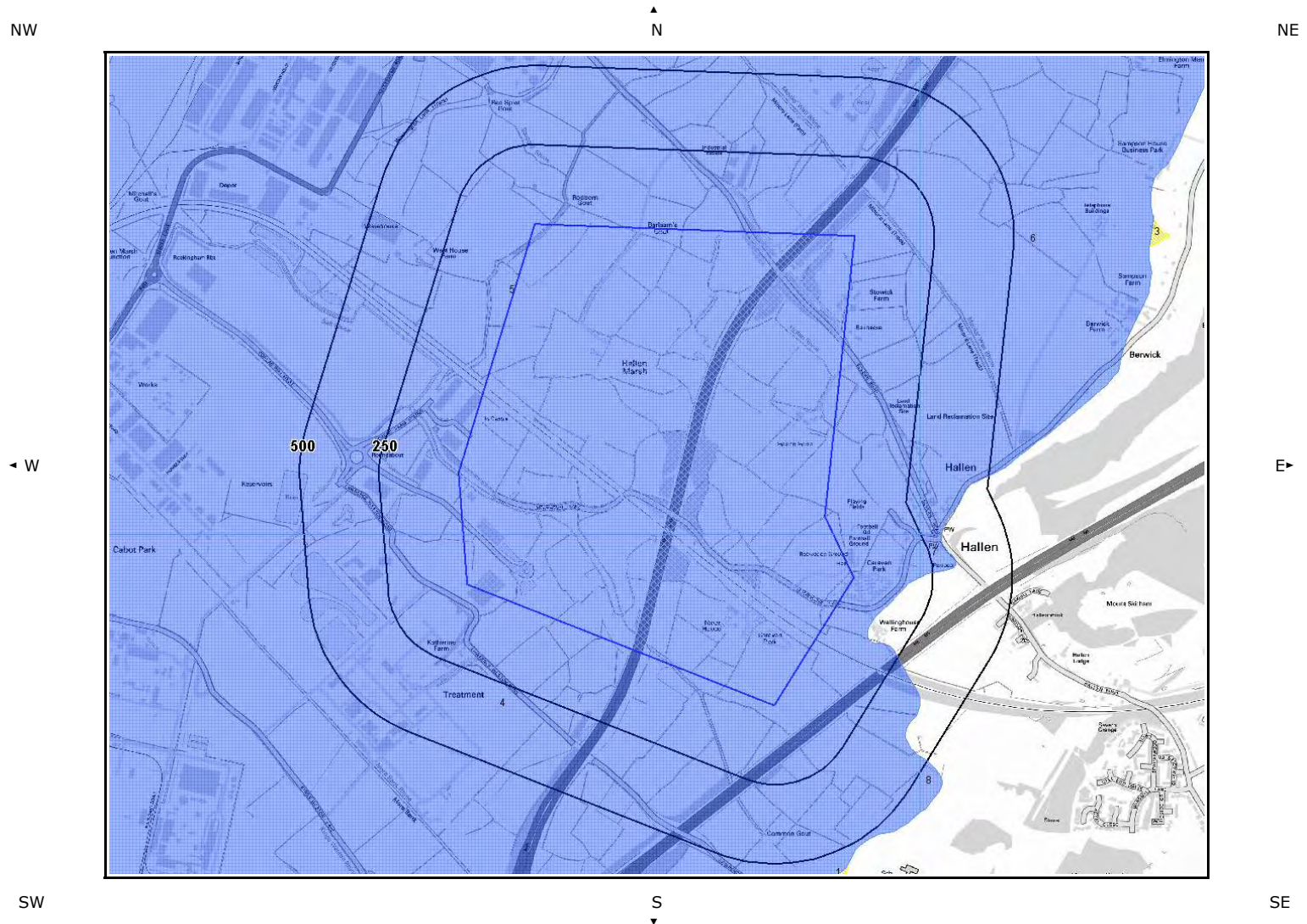
The database has been searched on site, including a 50m buffer.

LEX Code	Description	Rock Type
MMG-MDHA	MERCIA MUDSTONE GROUP	MUDSTONE AND HALITE-STONE

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

For more detailed geological and ground stability data please refer to the "GroundSure Geology and Ground Stability Report". Available from our website.

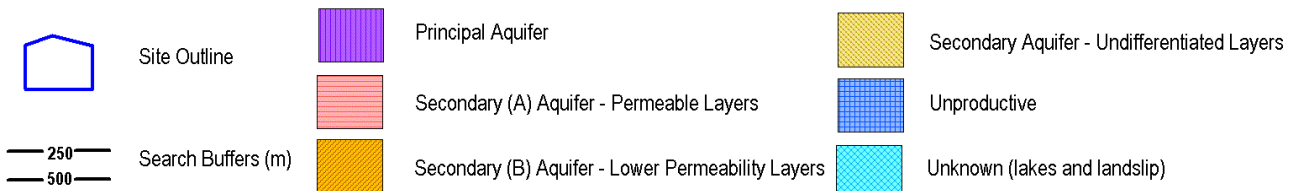
6a. Hydrogeology - Aquifer Within Superficial Geology



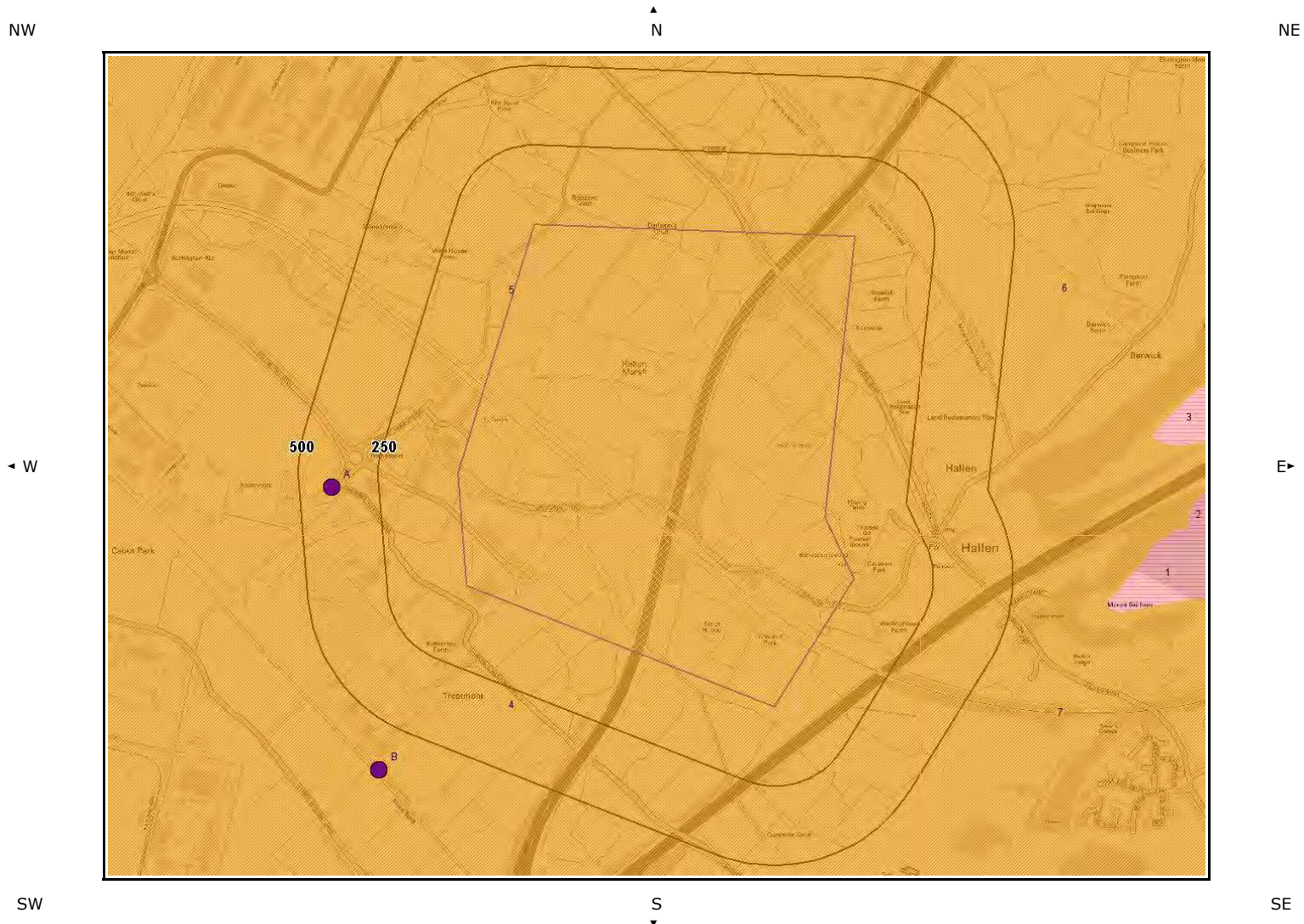
Aquifer Within Superficial Geology Legend



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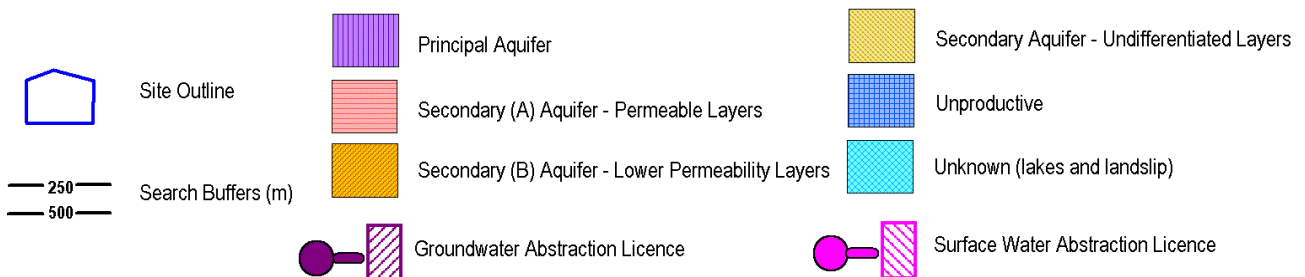
6b. Hydrogeology - Aquifer Within Bedrock Geology and Abstraction Licenses



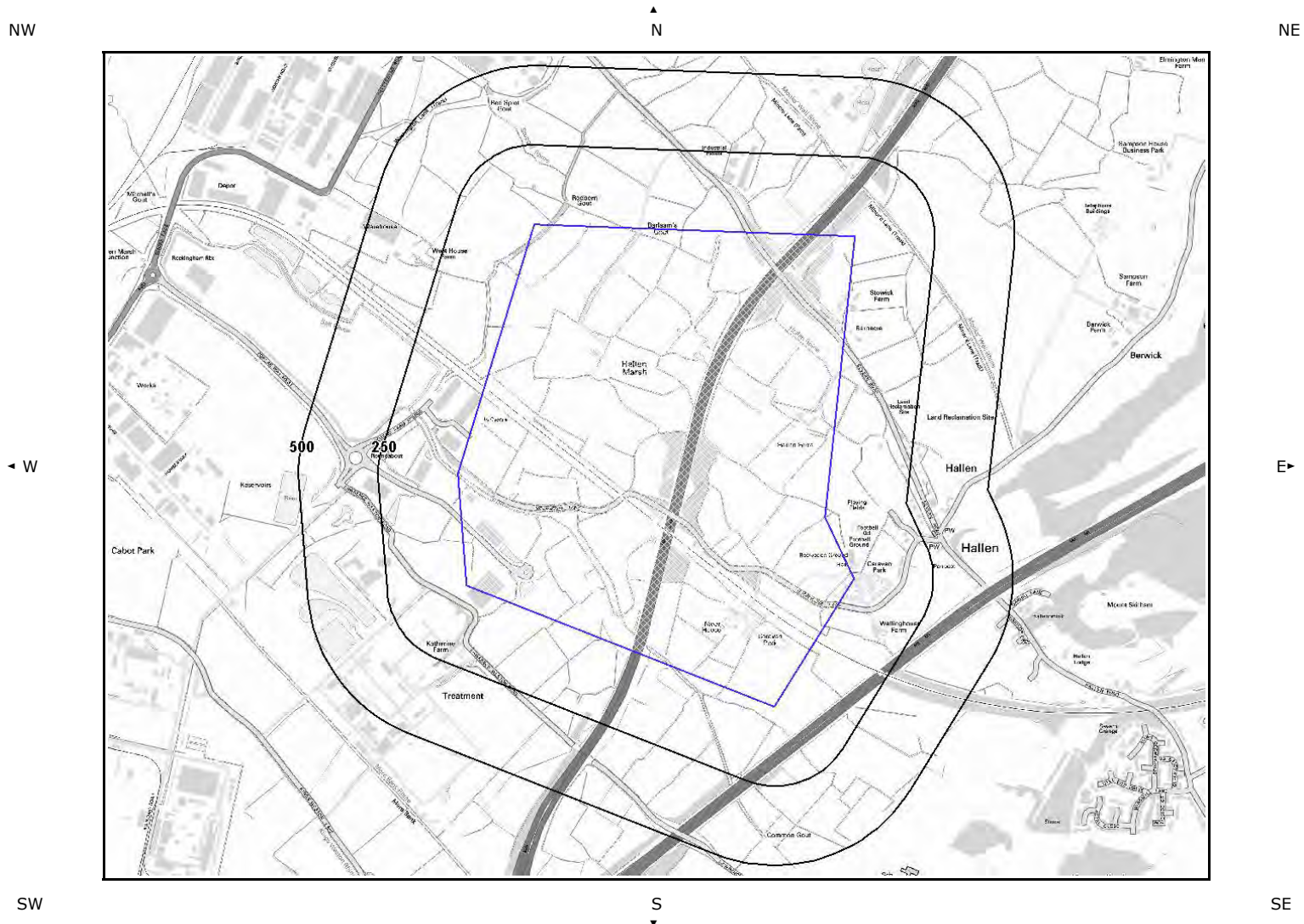
Aquifer Within Bedrock Geology Legend



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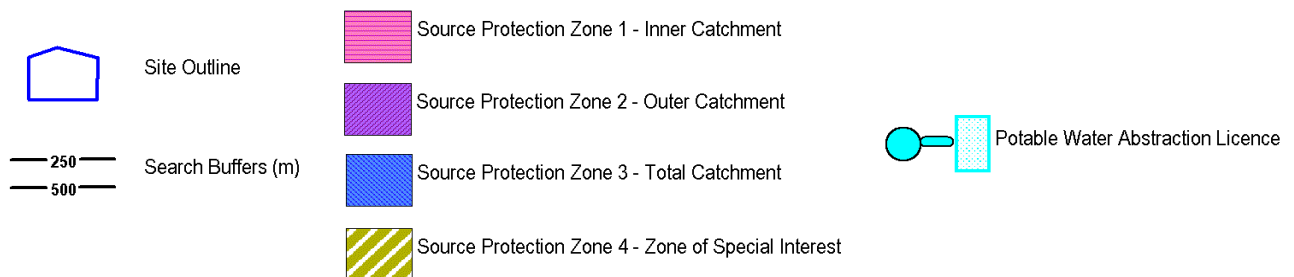
6c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licenses



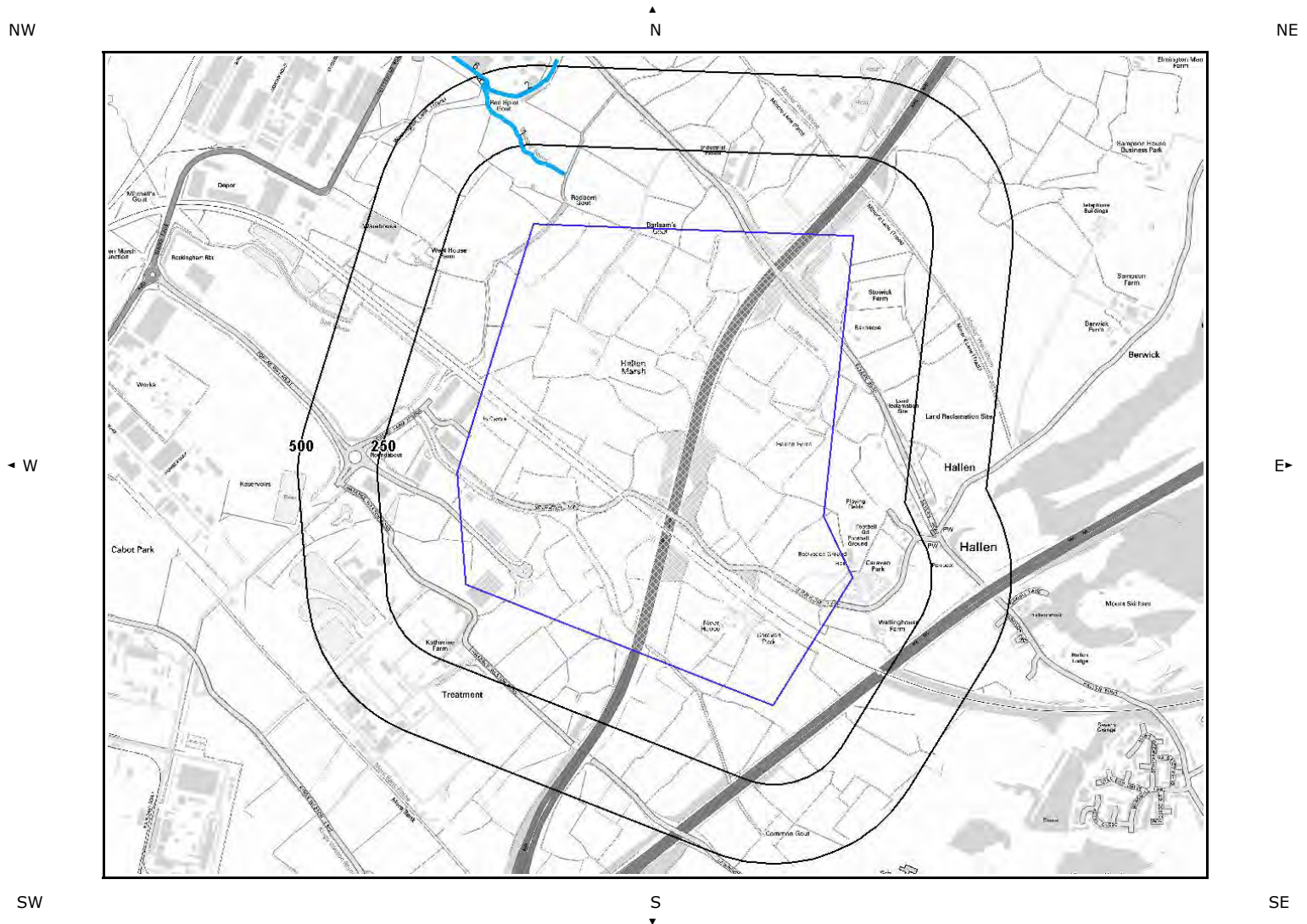
SPZ and Potable Water Abstraction Licenses
Legend



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6d. Hydrology – Detailed River Network and River Quality



Hydrology Legend

Mapping sourced from Ordnance Survey

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6. Hydrogeology and Hydrology

6.1 Aquifer within Superficial Deposits

Are there records of productive strata 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
4	0.0	On Site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
5	0.0	On Site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
6	204.0	E	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
7	209.0	E	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
8	473.0	SE	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

6.2 Aquifer within Bedrock Deposits

Are there records of productive strata 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
4	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
5	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
6	204.0	E	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
7	209.0	E	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

6.3 Groundwater Abstraction Licences

Are there any Groundwater Abstraction Licences within 1000m 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	Direction	NGR	Details	
8A	399.0	W	353150, 180150	Licence No: 18/54/020/G/132 Details: Process Water Direct Source: Ground Water - Fresh Point: Madam Farm (borehole No 9) Data Type: Point	Annual Volume (m³): 398236 Max Daily Volume (m³): 1091.06 Original Application No: - Original Start Date: 8/7/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/1/2005 Version End Date:
9A	399.0	W	353150, 180150	Licence No: 18/54/020/G/132 Details: Non-Evaporative Cooling Direct Source: Ground Water - Fresh Point: Madam Farm (borehole No 9) Data Type: Point	Annual Volume (m³): 398236 Max Daily Volume (m³): 1091.06 Original Application No: - Original Start Date: 8/7/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/1/2005 Version End Date:
10B	644.0	SW	353300, 179260	Licence No: 18/54/020/G/130 Details: Non-Evaporative Cooling Direct Source: Ground Water - Fresh Point: Merebank (borehole No 6) Data Type: Point	Annual Volume (m³): 716826 Max Daily Volume (m³): 1963.91 Original Application No: - Original Start Date: 8/7/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/1/2005 Version End Date:
11B	644.0	SW	353300, 179260	Licence No: 18/54/020/G/130 Details: Process Water Direct Source: Ground Water - Fresh Point: Merebank (borehole No 6) Data Type: Point	Annual Volume (m³): 716826 Max Daily Volume (m³): 1963.91 Original Application No: - Original Start Date: 8/7/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/1/2005 Version End Date:

6.4 Surface Water Abstraction Licences

Are there any Surface Water Abstraction Licences within 1000m of the study site?

No

Database searched and no data found.

6.5 Potable Water Abstraction Licences

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

No

Database searched and no data found.

6.6 Source Protection Zones

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

No

Report Reference: HMD-441-912071

Database searched and no data found.

6.7 River Quality

Is there any Environment Agency information on river quality within 1500m of the study site? **No**

Biological Quality:

Database searched and no data found.

Chemical Quality:

Database searched and no data found.

6.8 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	Direction	Details
1	159.0	N	River Name: Stuppill Rhine Water Course Name: - Welsh River Name: - Alternative Name: - River Type: Secondary River Catchment: - Drain: NO Main River Status: Currently Undefined
2	407.0	N	River Name: Red Splot Gout Water Course Name: - Welsh River Name: - Alternative Name: - River Type: Secondary River Catchment: - Drain: NO Main River Status: Currently Undefined
3A	453.0	N	River Name: - Water Course Name: - Welsh River Name: - Alternative Name: - River Type: Secondary River Catchment: - Drain: NO Main River Status: Currently Undefined
4A	453.0	N	River Name: - Water Course Name: - Welsh River Name: - Alternative Name: - River Type: Secondary River Catchment: - Drain: NO Main River Status: Currently Undefined
5A	462.0	N	River Name: - Water Course Name: - Welsh River Name: - Alternative Name: - River Type: Secondary River Catchment: - Drain: NO Main River Status: Currently Undefined
6	472.0	N	River Name: Stuppill Rhine Water Course Name: - Welsh River Name: - Alternative Name: - River Type: Secondary River Catchment: - Drain: NO Main River Status: Currently Undefined

6.9 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 to Surface Water (m)	on-site	0-50	51-250
Surface water features within 250m of the study site	Yes	Yes	Yes

Report Reference: HMD-441-912071

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7. Surface Water Flood Map

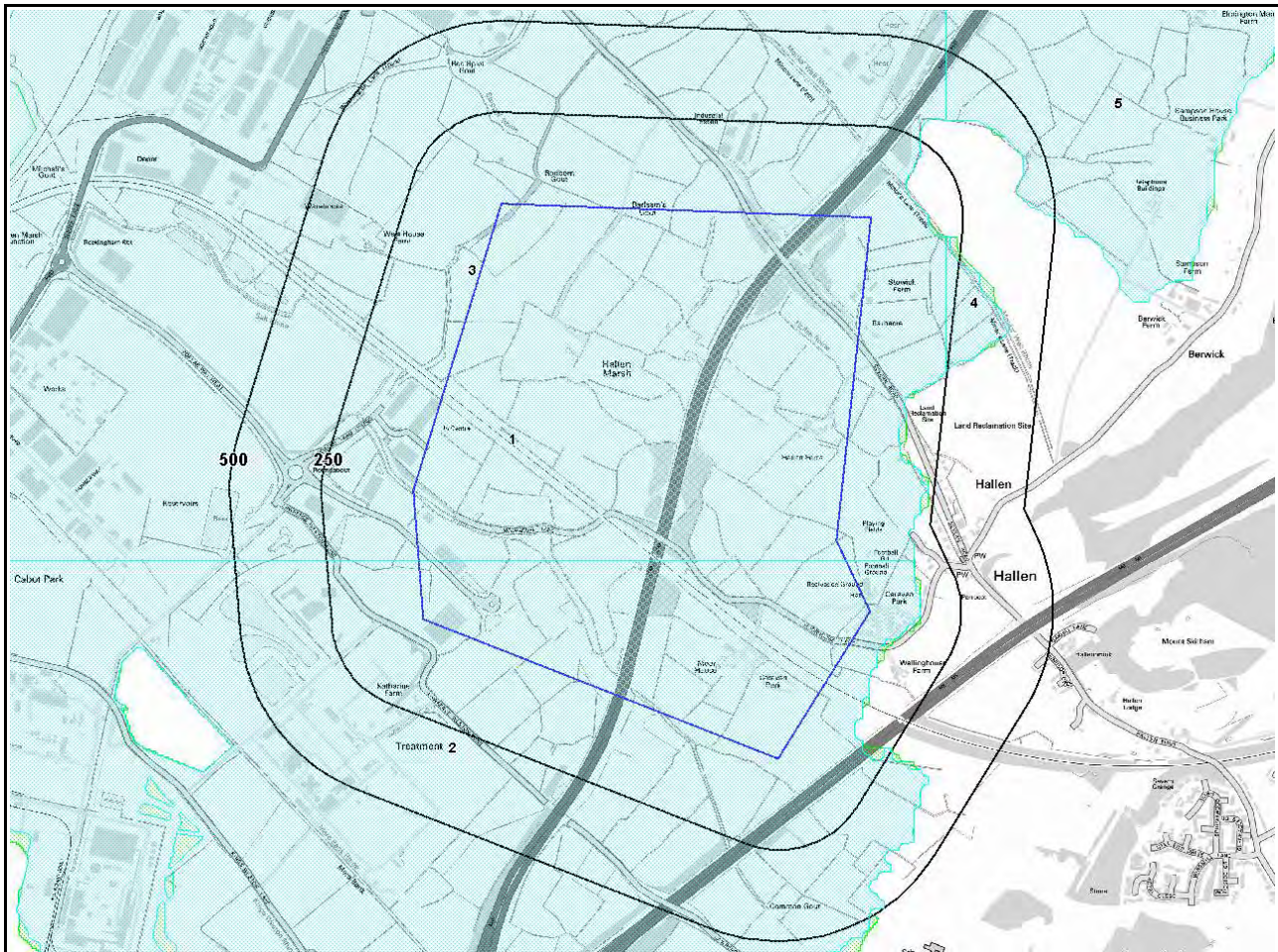
NW

▲
N

NE

◀ W

▶ E



SW

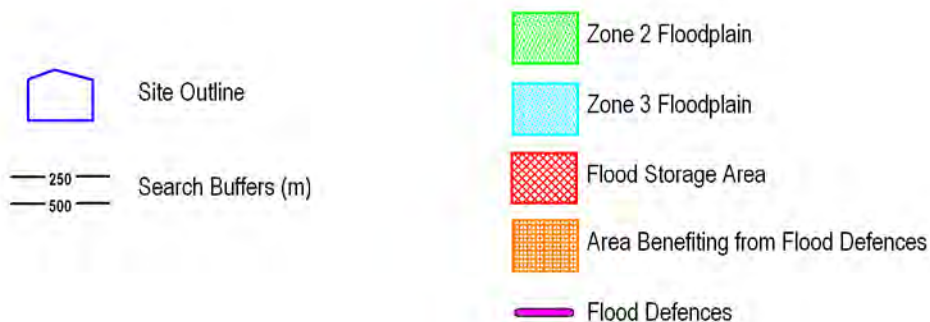
▼
S

SE

Surface Water Flood Legend



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7. Flooding

7.1 Zone 2 Flooding

Zone 2 floodplain estimates the annual probability of flooding as one in one thousand (0.1%) or greater from rivers and the sea but less than 1% from rivers or 0.5% from the sea. Alternatively, where information is available they may show the highest known flood level.

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

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

ID	Distance [m]	Direction	Update	Type
1	0.0	On Site	13-Mar-2013	Zone 2 - (Tidal Models)

7.2 Zone 3 Flooding

Zone 3 estimates the annual probability of flooding as one in one hundred (1%) or greater from rivers and a one in two hundred (0.5%) or greater from the sea. Alternatively, where information is available they may show the highest known flood level.

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

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

ID	Distance [m]	Direction	Update	Type
2	0.0	On Site	13-Mar-2013	Zone 3 - (Tidal Models)
3	0.0	On Site	13-Mar-2013	Zone 3 - (Tidal Models)
4	207.0	E	13-Mar-2013	Zone 3 - (Tidal Models)

7.3 Flood Defences

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

7.4 Areas benefiting from Flood Defences

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

7.5 Areas used for Flood Storage

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

7.6 Groundwater Flooding Susceptibility Areas

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

No

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

Negligible

Guidance: No guidance required.

7.7 Groundwater Flooding Confidence Areas

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

Not Applicable

Notes:

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

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

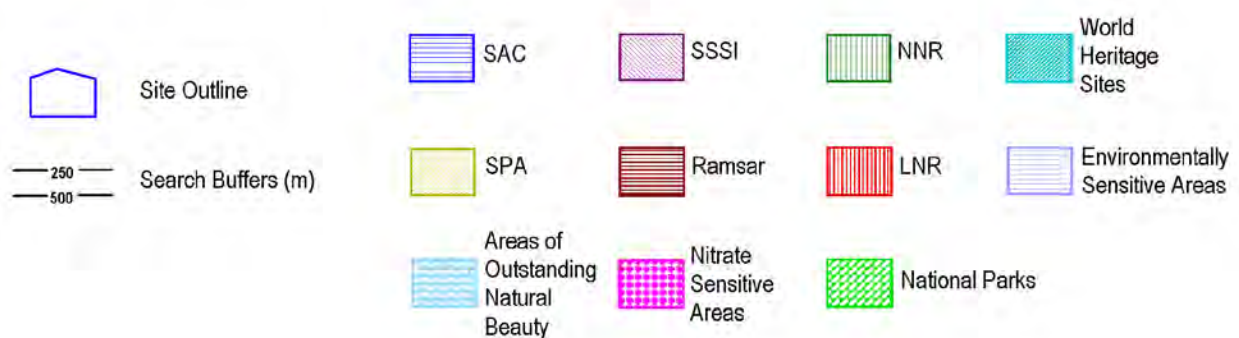
8.Designated Environmentally Sensitive Sites Map



Designated Environmentally Sensitive Sites Legend

Mapping sourced from **Ordnance Survey**

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8.Designated Environmentally Sensitive Sites

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

Records of Sites of Special Scientific Interest (SSSI) within 2000m of the study site: **1**

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
5A	1209.0	NW	Severn Estuary	Natural England

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

Database searched and no data found.

Records of Special Areas of Conservation (SAC) within 2000m of the study site: **2**

The following Special Area of Conservation (SAC) 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	SAC Name	Data Source
1	1209.0	NW	Severn Estuary	Natural England
2	1209.0	NW	Severn Estuary / Môr Hafren	Countryside Council for Wales

Records of Special Protection Areas (SPA) within 2000m of the study site: **2**

The following Special Protection Area (SPA) 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	SPA Name	Data Source
3A	1209.0	NW	Severn Estuary(England)	Countryside Council for Wales
4	1209.0	NW	Severn Estuary	Natural England

Records of Ramsar sites within 2000m of the study site: **2**

The following Ramsar site 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	Ramsar Site Name	Data Source
6A	1209.0	NW	Severn Estuary	Natural England
7A	1209.0	NW	Severn Estuary (England)	CCW

Records of Local Nature Reserves (LNR) within 2000m of the study site: **1**

The following Local Nature Reserve (LNR) 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	LNR Name	Data Source
8	154.0	SE	Lawrence Western Moor	Natural England

[Report Reference: HMD-441-912071](#)

Records of World Heritage Sites within 2000m of the study site: 0

Database searched and no data found.

Records of Environmentally Sensitive Areas within 2000m of the study site: 0

Database searched and no data found.

Records of Areas of Outstanding Natural Beauty (AONB) within 2000m of the study site: 0

Database searched and no data found.

Records of National Parks (NP) within 2000m of the study site: 0

Database searched and no data found.

Records of Nitrate Sensitive Areas within 2000m of the study site: 0

Database searched and no data found.

9. Additional Information

9.1 Mobile Phone Transmitter Locations

GroundSure's unique mobile phone transmitter database.

Have any mobile phone transmitters been identified within 250m of the study site?

Yes

The following records within 250m have been found within this search:

Distance [m]	Direction	Max Licensed Power	Transmitter Power	Frequency Range	Operator	Height (m)	Transmission Type
189.0	SE	32	25.05	900 MHz	Vodafone	21.0	GSM

9.2 Existing and potential OfCom Telecommunication Mast Locations

OfCom telecommunication base station and mast data, which details the height and proposed location of masts over 30 metres in height or with a power level exceeding 17dBW.

Have any OfCom telecommunication masts been identified within 250m of the study site?

Yes

The following records within 250m have been found within this search:

Distance [m]	Direction	OfCom Reference	Address	Approx. Mast Height (m)
0.0	On Site	V(P)7894	Avon, Bristol, Kingsweston Lane, Britannia Zinc	1.5
0.0	On Site	X(P)3963	Avon, Bristol, Avonmouth, Moor House Lane, Moor House Farm	14.7

9.3 Pylons and Electricity Transmission Lines

Have any overhead transmission lines or pylons been identified in proximity to the study site?

Yes

The following records within 500m have been found within this search:

Distance [m]	Direction
0.0	On Site
0.0	On Site
0.0	On Site
0.0	On Site

Guidance: Overhead power transmission lines and/or pylons have been identified in proximity to the study site. Overhead power transmission lines are known to emit electromagnetic fields (EMF). For further information on issues associated with transmission lines you may wish to contact the EMF Unit Public Information Line on 0845 7023270 or visit www.emfs.info. Guidance on electromagnetic fields resulting from transmission and distribution lines can also be found on the Health Protection Agency (HPA) website. GroundSure provide the data for information only and do not make any judgment on the risks or otherwise of EMFs. The database is searched up to 500m.

10. Natural Hazards Findings

10.1 Detailed BGS GeoSure Data

BGS GeoSure Data has been searched to 50m. The data is included in tabular format. If you require further information, please obtain a GroundSure Geology and Ground Stability Report. Available from our website. The following information has been found:

10.1.1 Shrink Swell

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

10.1.2 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.

10.1.3 Soluble Rocks

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

Null - Negligible

Soluble rocks are not present in the search area. No special actions required to avoid problems due to soluble rocks. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with soluble rocks.

10.1.4 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.

Report Reference: HMD-441-912071

10.1.5 Collapsible Rocks

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

Negligible

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

Hazard

No indicators for collapsible deposits identified. No actions required to avoid problems due to collapsible deposits. No special ground investigation required, or increased construction costs or increased financial risk due to potential problems with collapsible deposits.

10.1.6 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.

10.2 Radon

What is the maximum radon potential at the study site?

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

Is the property in an area where radon protection measures are required for new properties or extensions to existing ones as described in publication BR211 by the Building Research Establishment?

No radon protective measures are necessary

Guidance: The responses given on the level of radon protective measures required are based on a joint radon potential dataset from the Health Protection Agency (HPA) and the British Geological Survey (BGS). No radon protection measures are required.

11. Mining

11.1 Coal Mining

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

No

Database searched and no data found.

11.2 Shallow Mining

What is the hazard of subsidence relating to shallow mining on-site (including a 150m buffer)? Negligible

Guidance: Where negligible potential is indicated, this means that the rocks underlying the area are not likely to have been mined at shallow depth.

11.3 Brine Affected Areas

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

No

Guidance: No Guidance Required.

12. Contacts

GroundSure Helpline

Telephone: 08444 159 000
info@4c.groundsure.com



British Geological Survey (England & Wales)

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

Tel: 08708 506 506
Wessex
Rivers Hse Bridgwater - East Quay, Bridgwater, TA6 4YS
Web: www.environment-agency.gov.uk
Email: enquiries@environment-agency.gov.uk



Health Protection Agency

Chilton, Didcot, Oxon, OX11 0RQ
Tel: 01235 822622 www.hpa.org.uk/radiation
Radon measures and general radon information and
guidance



The Coal Authority

200 Lichfield Lane, Mansfield, Notts NG18 4RG
Tel: 0845 762 6848
DX 716176 Mansfield 5
Web: www.groundstability.com



Ordnance Survey

Romsey Road
Southampton SO16 4GU
Tel: 08456 050505



Local Authority

Authority: Bristol City Council
Phone: 0117 922 2000
Web: www.bristol-city.gov.uk
Address: The Council House, College Green, Bristol, BS1
5TR

Get Mapping PLC

Virginia Villas, High Street, Hartley Witney, Hampshire RG27
8NW
Tel: 01252 845444



CoPSO

The Old Rectory, Church Lane, Thornby, Northants NN6 8SN
Tel: 0871 4237191
(www.copso.org.uk)



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Search Code

IMPORTANT CONSUMER PROTECTION INFORMATION

This search has been produced by GroundSure Ltd, Lees House, 21 Dyke Road, Brighton, BN1 3FE. Tel: 08444 159 000. Email: info@4C.groundsure.com which is registered with the Property Codes Compliance Board (PCCB) as a subscriber to the Search Code. The PCCB independently monitors how registered search firms maintain compliance with the Code.

The Search Code:

- provides protection for homebuyers, sellers, estate agents, conveyancers and mortgage lenders who rely on the information included in property search reports undertaken by subscribers on residential and commercial property within the United Kingdom
- sets out minimum standards which firms compiling and selling search reports have to meet
- promotes the best practice and quality standards within the industry for the benefit of consumers and property professionals
- enables consumers and property professionals to have confidence in firms which subscribe to the code, their products and services.

By giving you this information, the search firm is confirming that they keep to the principles of the Code. This provides important protection for you.

The Code's core principles

Firms which subscribe to the Search Code will:

- display the Search Code logo prominently on their search reports
- act with integrity and carry out work with due skill, care and diligence
- at all times maintain adequate and appropriate insurance to protect consumers
- conduct business in an honest, fair and professional manner
- handle complaints speedily and fairly
- ensure that products and services comply with industry registration rules and standards and relevant laws
- monitor their compliance with the Code

COMPLAINTS

If you have a query or complaint about your search, you should raise it directly with the search firm, and if appropriate ask for any complaint to be considered under their formal internal complaints procedure. If you remain dissatisfied with the firm's final response, after your complaint has been formally considered, or if the firm has exceeded the response timescales, you may refer your complaint for consideration under The Property Ombudsman scheme (TPOs). The Ombudsman can award compensation of up to £5,000 to you if he finds that you have suffered actual loss as a result of your search provider failing to keep to the Code.

Please note that all queries or complaints regarding your search should be directed to your search provider in the first instance, not to TPOs or to the PCCB.

TPOs Contact Details:

The Property Ombudsman scheme
Milford House
43-55 Milford Street
Salisbury
Wiltshire SP1 2BP
Tel: 01722 333306
Fax: 01722 332296
Email: admin@tpos.co.uk

You can get more information about the PCCB from www.propertycodes.org.uk.

PLEASE ASK YOUR SEARCH PROVIDER IF YOU WOULD LIKE A COPY OF THE SEARCH CODE

COMPLAINTS PROCEDURE

If you want to make a complaint, we will:

- Acknowledge it within 5 working days of receipt.
- Normally deal with it fully and provide a final response, in writing, within 20 working days of receipt.
- Keep you informed by letter, telephone or e-mail, as you prefer, if we need more time.
- Provide a final response, in writing, at the latest within 40 working days of receipt.
- Liaise, at your request, with anyone acting formally on your behalf.

Complaints should be sent to: Operations Director, GroundSure Ltd, Lees House, 21 Dyke Road, Brighton, BN1 3FE.
Tel: 08444 159 000. Email: info@4C.groundsure.com

If you are not satisfied with our final response, or if we exceed the response timescales, you may refer the complaint to The Property Ombudsman scheme (TPOs): Tel: 01722 333306, E-mail: admin@tpos.co.uk.

We will co-operate fully with the Ombudsman during an investigation and comply with his final decision.

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.



RSK STATS Geoconsult Ltd (Bedminster)	GroundSure	HMD-441-912071
Spring Lodge, , 172 Chester Road,	Reference:	
Cheshire,	Your Reference:	312318
Helsby, WA6 0AR	Report Date:	Jun 6, 2013
	Report Delivery	xml
	Method:	
	Client Email:	██████████@rsk.co.uk

GroundSure Data

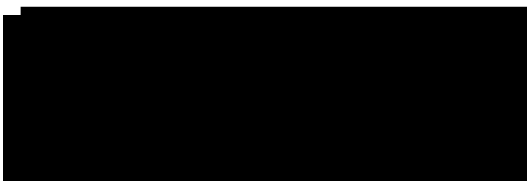
Address: Hinkley C to Seabank grid connection project

Dear Sir/Madam,

Thank you for placing your order with GroundSure. Please find enclosed the GroundSure Data report 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 Data

GroundSure Data

Address: Hinkley C to Seabank grid connection project

Date: Jun 6, 2013

GroundSure Reference: HMD-441-912071

Your Reference: 312318

Client: RSK STATS Geoconsult Ltd (Bedminster)



Aerial Photograph of Study Site



Site Name: Hinkley C to Seabank grid connection project
Grid Reference: 348230,177031

Aerial photography supplied by Getmapping PLC.
© Copyright Getmapping PLC 2003. All Rights Reserved.

Report Reference: HMD-441-912071

If you would like any further assistance regarding this report then please contact
GroundSure on (T) 08444 159 000, email: info@4c.groundsure.com

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.

Report Section	Number of records found within (X) m of the study site boundary					
1. Historical Industrial Sites	on-site	0-50	51-250	251-500	501-1000	1000-1500
1.1 Potentially Contaminative Past Land Use						
Records of potentially contaminative past land use (1:10,000 scale mapping)	34	7	33	-	-	-
1.2 Additional Information – Historical Tanks (1:2,500,1:1,250 scale mapping)	64	22	31*	-	-	-
1.3 Additional Information – Historical Energy Features (1:2,500,1:1,250 scale mapping)	9	8	8*	-	-	-
1.4 Additional Information – Historical Petrol and Fuel Site Database (1:2,500,1:1,250 scale mapping)	0	0	0*	-	-	-
1.5 Additional Information – Historical Vehicle Repair and Garages (1:2,500,1:1,250 scale mapping)	0	0	0*	-	-	-
1.6 Potentially Infilled Land						
Records of potentially infilled land (1:10,000 scale mapping)	6	8	0*	-	-	-
*51-100m						
2. Environmental Permits, Incidents and Registers	on-site	0-50	51-250	251-500	501-1000	1000-1500
2.1 Industrial Sites Holding Environmental Permits and/or Authorisations						
Records of historic IPC Authorisations	0	0	11	11	-	-
Records of Part A(1) and IPPC Authorised Activities	9	0	16	6	-	-
Records of Water Industry Referrals (potentially harmful discharges to the public sewer)	0	0	0	1	-	-
Records of Red List Discharge Consents (potentially harmful discharges to controlled waters)	0	0	0	0	-	-
Records of List 1 Dangerous Substances Inventory sites	0	0	1	2	-	-
Records of List 2 Dangerous Substances Inventory sites	2	38	1	2	-	-
Records of Part A(2) and Part B Activities and Enforcements	0	0	0	5	-	-
Records of Category 3 or 4 Radioactive Substances Authorisations	0	0	8	0	-	-
Records of Licensed Discharge Consents	2	0	3	7	-	-
Records of Planning Hazardous Substance Consents and Enforcements	0	0	0	1		
2.2 Records of COMAH and NIHHS sites	0	0	2	4	-	-
2.3 Environment Agency Recorded Pollution Incidents						
National Incidents Recording System, List 2	11	0	11	-	-	-
National Incidents Recording System, List 1	0	0	0	-	-	-
2.4 Sites Determined as Contaminated Land under Part IIA EPA 1990	0	0	0	0	-	-

Report Reference: HMD-441-912071

If you would like any further assistance regarding this report then please contact GroundSure on (T) 08444 159 000, email: info@4c.groundsure.com

3. Landfill and Other Waste Sites	on-site	0-50	51-250	251-500	501-1000	1000-1500

3.1 Landfill Sites

Environment Agency Registered landfill Sites	0	1	1	0	0	-
Landfill Data – Operational Landfill Sites	0	0	2	3	0	-
Environment Agency Historic Landfill Sites	7	1	3	1	5	2
Landfill Data – Non-Operational Landfill Sites	0	0	1	3	1	-
BGS/DoE Landfill Site Survey	1	0	2	1	4	0
GroundSure Local Authority Landfill Sites Data	0	0	2	0	0	0

3.2 Landfill and Other Waste Sites Findings

Operational Waste Treatment, Transfer and Disposal Sites	2	1	0	0	-	-
Non-Operational Waste Treatment, Transfer and Disposal Sites	0	2	2	1	-	-
Environment Agency licensed Waste Sites	4	1	11	16	12	18

4. Current Land Uses	on-site	0-50	51-250	251-500	501-1000	1000-1500

4.1 Current Industrial Sites Data	35	19	68	-	-	-
4.2 Records of Petrol and Fuel Sites	0	0	0	3	-	-
4.3 Underground High Pressure Oil and Gas Pipelines	1	0	1	2	-	-

5. Geology	Description

5.1 Are there any records of Artificial Ground and Made Ground present beneath the study site? *

Yes

5.2 Are there any records of Superficial Ground and Drift Geology present beneath the study site? *

Yes

5.3 For records of Bedrock and Solid Geology beneath the study site* see the detailed findings section.

Source: Scale: 1:50,000 BGS Sheet 264

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

6. Hydrogeology and Hydrology	on-site	0-50	51-250	251-500	501-1000	1001-2000

6.1 Are there any records of Productive Strata in the Superficial Geology within 500m of the study site?

Yes

6.2 Are there any records of Productive Strata in the Bedrock Geology within 500m of the study site?

Yes

6.3 Groundwater Abstraction Licences (within 1000m of the study site).

4	0	0	0	8	-

6.4 Surface Water Abstraction Licences (within 1000m of the study site).

0	0	0	0	0	-

6.5 Potable Water Abstraction Licences (within 2000m of the study site).

0	0	0	0	0	0

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

No

6.7 River Quality	on-site	0-50	51-250	251-500	501-1000	1001-1500

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

No	No	No	No	No	No	No

6.8 Detailed River Network entries within 500m of the site

0	0	0	0	-	-

6.9 Surface water features within 250m of the study site

Yes	Yes	Yes	-	-	-

7. Flooding

Report Reference: HMD-441-912071

If you would like any further assistance regarding this report then please contact GroundSure on (T) 08444 159 000, email: info@4c.groundsure.com

7.1 Are there any Environment Agency indicative Zone 2 floodplains within 250m of the study site?	Yes
7.2 Are there any Environment Agency indicative Zone 3 floodplains within 250m of the study site?	Yes
7.3 Are there any Flood Defences within 250m of the study site?	No
7.4 Are there any areas benefiting from Flood Defences within 250m of the study site?	No
7.5 Are there any areas used for Flood Storage within 250m of the study site?	No
7.6 What is the maximum BGS Groundwater Flooding susceptibility within 50m of the study site?	Very High
7.7 What is the BGS confidence rating for the Groundwater Flooding susceptibility areas?	High

8. Designated Environmentally Sensitive Sites	on-site	0-50	51-250	251-500	501-1000	1001-2000
8.1 Records of Sites of Special Scientific Interest (SSSI)	0	0	0	0	0	6
8.2 Records of National Nature Reserves (NNR)	0	0	0	0	0	0
8.3 Records of Local Nature Reserves (LNR)	0	1	0	0	0	0
8.4 Records of Special Areas of Conservation (SAC)	0	0	0	0	0	8
8.5 Records of Special Protection Areas (SPA)	0	0	0	0	0	12
8.6 Records of Ramsar sites	0	0	0	0	0	8
8.7 Records of World Heritage Sites	0	0	0	0	0	0
8.8 Records of Environmentally Sensitive Areas	0	0	0	0	0	0
8.9 Records of Areas of Outstanding Natural Beauty (AONB)	0	0	0	0	0	0
8.10 Records of National Parks	0	0	0	0	0	0
8.11 Records of Nitrate Sensitive Areas	0	0	0	0	0	0

9. Additional Information	on-site	0-50	51-250	250-500
9.1 Records of mobile phone transmitters	1	0	1	0
9.2 Records of potential sites of OfCom telecommunications masts	1	0	1	0
9.3 Records of transmission lines in proximity to the study site	2	0	0	2

10. Natural Hazards

10.1 What is the maximum risk of natural ground subsidence?	Moderate
10.2 Is the property in a radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level?	The property is not in a Radon Affected Area, as less than 1% of properties are above the Action Level
Is the property in an area where radon protection measures are required for new properties or extensions to existing ones as described in publication BR211 by the Building Research Establishment?	No radon protective measures are necessary

11. Mining

11.1 Are there any coal mining areas within 75m of the study site?	No
11.2 What is the risk of subsidence relating to shallow mining within 150m of the study site?	Negligible
11.3 Are there any brine affected areas within 75m of the study site?	No

Using this Report

The following report is designed by Environmental Consultants for Environmental Professionals bringing together the most up-to-date market leading environmental data. This report is provided under and subject to the Terms & Conditions agreed between GroundSure and the Client. The document contains the following sections:

1. Historical Industrial Sites

Provides information on past land uses that may pose a risk to the study site in terms of potential contamination from activities or processes. Potentially Infilled Land features are also included. This search is conducted using radii of up to 250m.

2. Environmental Permits, Incidents and Registers

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

3. Landfills and Other Waste Sites

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

4. Current Land Uses

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

5. Geology

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

6. Hydrogeology and Hydrology

Provides information on groundwater vulnerability, soil leaching potential, abstraction licenses, Source Protection Zones (SPZ) and river quality. These searches are conducted using radii of up to 2000m.

7. 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.

8. Designated Environmentally Sensitive Sites

Provides information on the Sites of Special Scientific Interest (SSSI), National Nature Reserves (NNR), Special Areas of Conservation (SAC), Special Protection Areas (SPA), Ramsar sites, Local Nature Reserves (LNR), Areas of Outstanding Natural Beauty (AONB), National Parks (NP), Environmentally Sensitive Areas, Nitrate Sensitive Areas and World Heritage Sites. These searches are conducted using radii of up to 2000m.

9. Additional Information

Provides information on records of mobile phone transmitters, potential sites of OfCom telecommunication masts and overhead transmission lines up to 500m.

Report Reference: HMD-441-912071

If you would like any further assistance regarding this report then please contact
GroundSure on (T) 08444 159 000, email: info@4c.groundsure.com

10. Natural Hazards

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

11. Mining

Provides information on areas of coal and shallow mining.

12. Contacts

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

Note: Maps

Only certain features are placed on the maps within the report. All features represented on maps found within this search are given an identification number. This number identifies the feature on the mapping and correlates it to the additional information provided below. This identification number precedes all other information and takes the following format -Id: 1, Id: 2, etc. Where numerous features on the same map are in such close proximity that the numbers would obscure each other a letter identifier is used instead to represent the features. (e.g. Three features which overlap may be given the identifier "A" on the map and would be identified separately as features 1A, 3A, 10A on the data tables provided).

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

All distances given in this report are in Metres (m). Directions are given as compass headings such as N: North, E: East, NE: North East from the nearest point of the study site boundary.

1. Historical Industrial Sites

1.1 Potentially Contaminative Uses identified from High Detail (1:10,000 scale) Mapping

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

Records of sites with a potentially contaminative past land use within 250m of the search boundary: 74

The following records are not represented on Mapping:

Distance [m]	Direction	Use	Date
0.0	On Site	Unspecified Depot	1991
0.0	On Site	Unspecified Tank	1979
0.0	On Site	Unspecified Tank	1979
0.0	On Site	Unspecified Tank	1979
0.0	On Site	Unspecified Tank	1979
0.0	On Site	Unspecified Tanks	1979
0.0	On Site	Unspecified Tanks	1991
0.0	On Site	Unspecified Tank	1979
0.0	On Site	Unspecified Tank	1991
0.0	On Site	Unspecified Tank	1979
0.0	On Site	Unspecified Tank	1991
0.0	On Site	Unspecified Tanks	1991
0.0	On Site	Unspecified Tanks	1979
0.0	On Site	Unspecified Tanks	1979
0.0	On Site	Unspecified Tanks	1991
0.0	On Site	Unspecified Tanks	1979
0.0	On Site	Unspecified Tanks	1991
0.0	On Site	Unspecified Depots	1979
0.0	On Site	Refuse Heap	1979
0.0	On Site	Sewage Treatment Works	1979
0.0	On Site	Sewage Treatment Works	1991
0.0	On Site	Smelting Works	1979
0.0	On Site	Smelting Works	1991
0.0	On Site	Railway Sidings	1991
0.0	On Site	Railway Sidings	1979
0.0	On Site	Refuse Heap	1991
0.0	On Site	Unspecified Tank	1991
0.0	On Site	Unspecified Tank	1991
0.0	On Site	Unspecified Tank	1991
0.0	On Site	Unspecified Tank	1991
0.0	On Site	Pump House	1991
0.0	On Site	Pump House	1979
0.0	On Site	Unspecified Warehouses	1991
0.0	On Site	Unspecified Depot	1991
0.0	On Site	Unspecified Depot	1991
0.0	On Site	Unspecified Depot	1991
39.0	NW	Unspecified Tanks	1991
39.0	NW	Unspecified Tanks	1979
41.0	NW	Unspecified Tanks	1991
41.0	NW	Unspecified Tanks	1979
46.0	NW	Unspecified Tank	1979
46.0	NW	Unspecified Tank	1991
49.0	W	Unspecified Warehouses	1979
57.0	NW	Unspecified Tanks	1991
57.0	NW	Unspecified Tanks	1979
64.0	SW	Electricity Transmission Station	1979
64.0	SW	Electricity Transmission Station	1991
87.0	NW	Unspecified Tanks	1991
87.0	NW	Unspecified Tanks	1979
93.0	NW	Unspecified Tank	1991
93.0	NW	Unspecified Tank	1979
96.0	SE	Sewage Pumping Station	1979
96.0	SE	Sewage Pumping Station	1991
106.0	NW	Unspecified Tanks	1979
106.0	NW	Unspecified Tanks	1991
113.0	N	Unspecified Works	1949
117.0	NW	Unspecified Tanks	1979

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117.0	NW	Unspecified Tanks	1991
132.0	NW	Unspecified Heap	1949
139.0	NW	Unspecified Tank	1991
139.0	NW	Unspecified Tank	1979
139.0	NW	Unspecified Tank	1979
139.0	NW	Unspecified Tank	1991
144.0	N	Unspecified Heap	1949
191.0	W	Unspecified Works	1991
191.0	W	Unspecified Works	1979
197.0	SW	Unspecified Warehouses	1991
202.0	NW	Unspecified Tank	1991
202.0	NW	Unspecified Tank	1979
209.0	SW	Unspecified Tank	1979
209.0	SW	Unspecified Tank	1991
238.0	SW	Unspecified Warehouse	1979
239.0	SW	Unspecified Depot	1991
239.0	SW	Unspecified Depot	1979
240.0	SW	Unspecified Warehouses	1991
240.0	SW	Unspecified Warehouses	1979

1.2 Additional Information – Historical Tank Database

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

Records of historical tanks within 100m of the search boundary:

117

The following records are not represented on Mapping:

Distance (m)	Direction	Use	Date
0.0	On Site	Tank (Unspecified)	1970
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1970
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1970
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tanks	1969
0.0	On Site	Tanks	1970
0.0	On Site	Tanks	1969
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tanks	1970
0.0	On Site	Sedimentation Tanks	1969
0.0	On Site	Tanks	1992
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Sedimentation Tanks	1970
0.0	On Site	Tanks	1997
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tanks	1992
0.0	On Site	Tanks	1969
0.0	On Site	Tanks	1969
0.0	On Site	Sedimentation Tanks	1969
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1970
0.0	On Site	Tank (Unspecified)	1970
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tanks	1992
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1970
0.0	On Site	Tank (Unspecified)	1969

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0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tanks	1992
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tanks	1992
0.0	On Site	Sedimentation Tanks	1992
0.0	On Site	Tanks	1992
0.0	On Site	Tanks	1992
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tanks	1970
0.0	On Site	Tanks	1970
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tanks	1969
0.0	On Site	Tanks	1969
0.0	On Site	Tanks	1969
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1985
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1970
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1970
0.0	On Site	Tanks	1969
0.0	On Site	Tanks	1969
0.0	On Site	Tanks	1969
4.0	NW	Tanks	1992
5.0	NW	Tanks	1969
6.0	NW	Tanks	1969
29.0	NW	Tank (Unspecified)	1969
29.0	NW	Tank (Unspecified)	1969
32.0	N	Tank (Unspecified)	1992
32.0	N	Tank (Unspecified)	1969
33.0	N	Tank (Unspecified)	1969
36.0	N	Tank (Unspecified)	1992
36.0	N	Tank (Unspecified)	1969
37.0	N	Tank (Unspecified)	1969
41.0	NW	Tanks	1992
41.0	NW	Tanks	1969
42.0	NW	Tank (Unspecified)	1970
47.0	NW	Tanks	1992
47.0	NW	Tank (Unspecified)	1992
47.0	NW	Tank (Unspecified)	1992
47.0	NW	Tank (Unspecified)	1969
48.0	NW	Tanks	1969
48.0	NW	Tank (Unspecified)	1992
49.0	NW	Tank (Unspecified)	1969
49.0	NW	Tanks	1969
54.0	NW	Tank (Unspecified)	1970
54.0	NW	Tanks	1969
58.0	NW	Tank (Unspecified)	1992
58.0	NW	Tank (Unspecified)	1992
66.0	NW	Tanks	1992
66.0	NW	Tanks	1969
67.0	NW	Tanks	1969
75.0	NW	Tank (Unspecified)	1992
75.0	NW	Tank (Unspecified)	1992
75.0	NW	Tank (Unspecified)	1969
76.0	NW	Tank (Unspecified)	1970
76.0	NW	Tanks	1992
86.0	NW	Tank (Unspecified)	1970
87.0	NW	Tank (Unspecified)	1992
88.0	NW	Tanks	1992
89.0	NW	Tanks	1969
89.0	NW	Tank (Unspecified)	1969
89.0	NW	Tanks	1969
89.0	NW	Tank (Unspecified)	1970
92.0	NW	Tank (Unspecified)	1992
92.0	NW	Tank (Unspecified)	1992
92.0	NW	Tanks	1969
93.0	NW	Tank (Unspecified)	1970
93.0	NW	Tank (Unspecified)	1970
93.0	NW	Tanks	1992
95.0	NW	Tank (Unspecified)	1992
95.0	NW	Tank (Unspecified)	1992
99.0	NW	Tanks	1992
100.0	NW	Tanks	1969
100.0	NW	Tanks	1992

Report Reference: HMD-441-912071

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100.0	NW	Tanks	1992

1.3 Additional Information – Historical Energy Features Database

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

Records of historical energy features within 100m of the search boundary:

25

The following records are not represented on Mapping:

Distance (m)	Direction	Use	Date
0.0	On Site	Electricity Transformer	1969
0.0	On Site	Electricity Transformer	1969
0.0	On Site	Electricity Sub Station	1969
0.0	On Site	Electricity Sub Station	1969
0.0	On Site	Electricity Transformer	1970
0.0	On Site	Electricity Transformer	1992
0.0	On Site	Electricity Sub Station	1992
0.0	On Site	Electricity Transformer	1992
0.0	On Site	Electricity Transformer	1969
19.0	NW	Electricity Transformer	1992
19.0	NW	Electricity Transformer	1969
20.0	NW	Electricity Transformer Station	1969
48.0	SW	Electricity Transmission Station	1984
48.0	SW	Electricity Transmission Station	1969
50.0	SW	Electricity Transmission Station	1993
50.0	SW	Electricity Transmission Station	1997
50.0	SW	Electricity Transmission Station	1997
61.0	SW	Electricity Transmission Station	1969
64.0	N	Electricity Sub Station	1992
64.0	N	Electricity Sub Station	1969
64.0	N	Electricity Sub Station	1969
68.0	NW	Electricity Transformer	1992
69.0	NW	Electricity Transformer	1970
69.0	SW	Electricity Sub Station	1997
69.0	SW	Electricity Sub Station	1985

1.4 Additional Information – Historical Petrol and Fuel Site Database

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

Records of historical petrol stations and fuel sites within 100m of the search boundary:

0

Database searched and no data found.

1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database

Report Reference: HMD-441-912071

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

Records of historical garage and motor vehicle repair sites within 100m of the search boundary: 0

Database searched and no data found.

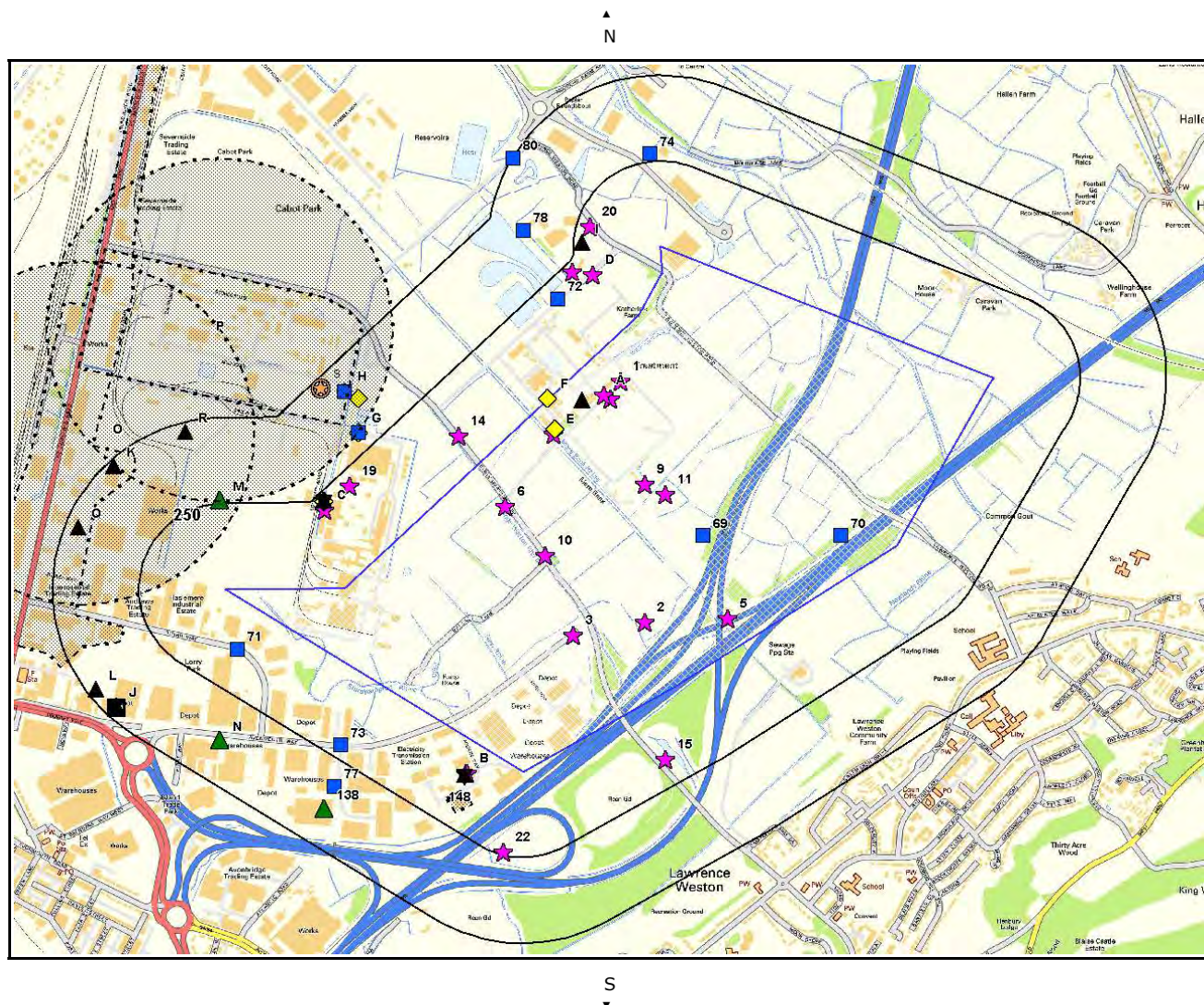
1.6 Potentially Infilled Land

Records of Potentially Infilled Features from 1:10,000 scale mapping within 100m of the study site: 14

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

Distance [m]	Direction	Use	Date
0.0	On Site	Sewage Treatment Works	1991
0.0	On Site	Sewage Treatment Works	1979
0.0	On Site	Refuse Heap	1979
0.0	On Site	Pond	1912
0.0	On Site	Refuse Heap	1991
0.0	On Site	Pond	1912
31.0	NW	Pond	1912
39.0	SE	Pond	1921
39.0	SE	Pond	1902
39.0	SE	Pond	1912
40.0	SE	Pond	1949
42.0	SE	Pond	1912
42.0	SE	Pond	1901
42.0	SE	Pond	1938

2. Environmental Permits, Incidents and Registers Map



Authorisations, Incidents and Registers Legend



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

2.Environmental Permits, Incidents and Registers

2.1 Industrial Sites Holding Licences and/or Authorisations

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

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

22

The following IPC Authorisations are represented as points on the Authorisations, Incidents and Registers map:

ID	Distance [m]	Direction	NGR	Details
186I	226.0	W	353350, 179850	Operator: Bristol City Council Address: Kings Weston Lane, Bristol, Avon, BS11 0YS Process: Incineration Permit Number: BD7901 Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Revoked
187I	226.0	W	353350, 179850	Operator: Bristol City Council Address: Kings Weston Lane, Bristol, Avon, BS11 0YS Process: Incineration Permit Number: AX3088 Original Permit Number: IPCMAJVAR Date Approved: 19-3-1997 Effective Date: 31-3-1997 Status: Superseded By Variation
188I	226.0	W	353350, 179850	Operator: Bristol City Council Address: Kings Weston Lane, Bristol, Avon, BS11 0YS Process: Incineration Permit Number: AG8314 Original Permit Number: IPCAIRAPP Date Approved: 30-5-1993 Effective Date: 30-5-1993 Status: Superseded By Variation
189I	226.0	W	353350, 179850	Operator: Bristol City Council Address: Kings Weston Lane, Bristol, Avon, BS11 0YS Process: Incineration Permit Number: AT1806 Original Permit Number: IPCMINVAR Date Approved: 12-9-1995 Effective Date: 18-9-1995 Status: Superseded By Variation
190C	227.0	NW	352600, 179100	Operator: St Modwen Development Ltd Address: Kingsweston Lane, Avonmouth, Bristol, BS11 8HT Process: Non-ferrous Metals Permit Number: BE1372 Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
191C	227.0	NW	352600, 179100	Operator: St Modwen Development Ltd Address: Kingsweston Lane, Avonmouth, Bristol, BS11 8HT Process: Non-ferrous Metals Permit Number: AS7396 Original Permit Number: IPCAIRAPP Date Approved: 28-12-1995 Effective Date: 1-1-1996 Status: Superseded By Variation
192C	227.0	NW	352600, 179100	Operator: St Modwen Development Ltd Address: Kingsweston Lane, Avonmouth, Bristol, BS11 8HT Process: Non-ferrous Metals Permit Number: BF4199 Original Permit Number: IPCMINVAR Date Approved: 1-3-1999 Effective Date: 2-3-1999 Status: Superseded By Variation
193C	227.0	NW	352600, 179100	Operator: St Modwen Development Ltd Address: Kingsweston Lane, Avonmouth, Bristol, BS11 8HT Process: Non-ferrous Metals Permit Number: AZ8099 Original Permit Number: IPCMINVAR Date Approved: 13-11-1997 Effective Date: 1-12-1997 Status: Superseded By Variation
194C	227.0	NW	352600, 179100	Operator: St Modwen Development Ltd Address: Kingsweston Lane, Avonmouth, Bristol, BS11 8HT Process: Non-ferrous Metals Permit Number: BG4607 Original Permit Number: IPCMAJVAR Date Approved: 15-9-1999 Effective Date: 1-10-1999 Status: Superseded By Variation
195C	227.0	NW	352600, 179100	Operator: St Modwen Development Ltd Address: Kingsweston Lane, Avonmouth, Bristol, BS11 8HT Process: Non-ferrous Metals Permit Number: BE6846 Original Permit Number: IPCMAJVAR Date Approved: 13-4-1999 Effective Date: 1-5-1999 Status: Superseded By Variation
196C	227.0	NW	352600, 179100	Operator: St Modwen Development Ltd Address: Kingsweston Lane, Avonmouth, Bristol, BS11 8HT Process: Non-ferrous Metals Permit Number: BY8594 Original Permit Number: IPCMINVAR Date Approved: 30-3-2004 Effective Date: 1-4-2004 Status: Revoked

197J	468.0	SW	352000, 178500	Operator: Blagden Packaging Nv Address: Avonmouth Way, Bristol, Avon, BS11 9HD Process: Incineration	Permit Number: BI1056 Original Permit Number: IPCMINVAR Date Approved: 29-6-2000 Effective Date: 30-6-2000 Status: Revoked - Now Ippc
198J	468.0	SW	352000, 178500	Operator: Blagden Packaging Nv Address: Avonmouth Way, Bristol, Avon, BS11 9HD Process: Incineration	Permit Number: AV0134 Original Permit Number: IPCMINVAR Date Approved: 27-3-1996 Effective Date: 1-4-1996 Status: Superseded By Variation
199J	468.0	SW	352000, 178500	Operator: Blagden Packaging Nv Address: Avonmouth Way, Bristol, Avon, BS11 9HD Process: Incineration	Permit Number: BD5275 Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
200J	468.0	SW	352000, 178500	Operator: Blagden Packaging Nv Address: Avonmouth Way, Bristol, Avon, BS11 9HD Process: Incineration	Permit Number: AG7008 Original Permit Number: IPCAIRAPP Date Approved: 5-5-1993 Effective Date: 5-5-1993 Status: Superseded By Variation
201J	468.0	SW	352000, 178500	Operator: Blagden Packaging Nv Address: Avonmouth Way, Bristol, Avon, BS11 9HD Process: Incineration	Permit Number: AS2980 Original Permit Number: IPCMAJVAR Date Approved: 3-11-1995 Effective Date: 10-11-1995 Status: Superseded By Variation
202K	482.0	NW	351990, 179200	Operator: Rhodia Organique Fine Ltd Address: PO Box 46, St Andrews Road, Avonmouth, Bristol, BS11 9YF Process: Processes Involving Halogens	Permit Number: BF2315 Original Permit Number: IPCMINVAR Date Approved: 29-1-1999 Effective Date: 31-1-1999 Status: Superseded By Variation
203K	482.0	NW	351990, 179200	Operator: Rhodia Organique Fine Ltd Address: PO Box 46, St Andrews Road, Avonmouth, Bristol, BS11 9YF Process: Processes Involving Halogens	Permit Number: BF8143 Original Permit Number: IPCMAJVAR Date Approved: 11-11-1999 Effective Date: 12-11-1999 Status: Superseded By Variation
204K	482.0	NW	351990, 179200	Operator: Rhodia Organique Fine Ltd Address: PO Box 46, St Andrews Road, Avonmouth, Bristol, BS11 9YF Process: Processes Involving Halogens	Permit Number: BA5279 Original Permit Number: IPCMINVAR Date Approved: 25-2-1998 Effective Date: 27-2-1998 Status: Superseded By Variation
205K	482.0	NW	351990, 179200	Operator: Rhodia Organique Fine Ltd Address: PO Box 46, St Andrews Road, Avonmouth, Bristol, BS11 9YF Process: Processes Involving Halogens	Permit Number: BE3081 Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
206K	482.0	NW	351990, 179200	Operator: Rhodia Organique Fine Ltd Address: PO Box 46, St Andrews Road, Avonmouth, Bristol, BS11 9YF Process: Processes Involving Halogens	Permit Number: AL9084 Original Permit Number: IPCAIRAPP Date Approved: 23-5-1994 Effective Date: 1-6-1994 Status: Superseded By Variation
207K	482.0	NW	351990, 179200	Operator: Rhodia Organique Fine Ltd Address: PO Box 46, St Andrews Road, Avonmouth, Bristol, BS11 9YF Process: Processes Involving Halogens	Permit Number: BV0988 Original Permit Number: IPCMAJVAR Date Approved: 24-9-2003 Effective Date: 30-9-2003 Status: Revoked - Now Ippc

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

31

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

ID	Distance [m]	Direction	NGR	Details
155A	0.0	On Site	353350, 179390	Operator: Wessex Water Services Ltd Installation Name: Avonmouth Wwtw Biogas Chp Plant Process: COMBUSTION; WASTE DERIVED FUEL =>3MW BUT <50MW Permit Number: JP3733HD Original Permit Number: PP3734LK EPR Reference: - Issue Date: 18/3/2011 Effective Date: 18/3/2011 Last date noted as effective: 2013-01-23 Status: Effective

156A	0.0	On Site	353350, 179390	Operator: Wessex Water Services Ltd Installation Name: Wessex Water Avonmouth Licensed Treatment Centre Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT	Permit Number: FP3834XC Original Permit Number: PP3634MG EPR Reference: - Issue Date: 22/10/2008 Effective Date: 22/10/2008 Last date noted as effective: 2013-01-23 Status: Effective
157A	0.0	On Site	353350, 179390	Operator: Wessex Water Services Ltd Installation Name: Wessex Water Avonmouth Licensed Treatment Centre Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D	Permit Number: FP3834XC Original Permit Number: PP3634MG EPR Reference: - Issue Date: 22/10/2008 Effective Date: 22/10/2008 Last date noted as effective: 2013-01-23 Status: Effective
158A	0.0	On Site	353350, 179390	Operator: Wessex Water Services Ltd Installation Name: Avonmouth Wwtw Biogas Chp Plant Process: COMBUSTION; WASTE DERIVED FUEL =>3MW BUT <50MW	Permit Number: JP3037GZ Original Permit Number: PP3734LK EPR Reference: - Issue Date: 16/2/2010 Effective Date: 16/2/2010 Last date noted as effective: 2013-01-23 Status: Superseded
159A	0.0	On Site	353350, 179390	Operator: Wessex Water Services Ltd Installation Name: Avonmouth Wwtw Biogas Chp Plant Process: COMBUSTION; WASTE DERIVED FUEL =>3MW BUT <50MW	Permit Number: NP3533XC Original Permit Number: PP3734LK EPR Reference: - Issue Date: 6/2/2008 Effective Date: 6/2/2008 Last date noted as effective: 2013-01-23 Status: Superseded
160A	0.0	On Site	353350, 179390	Operator: Wessex Water Services Ltd Installation Name: Avonmouth Wwtw Biogas Chp Plant Process: COMBUSTION; WASTE DERIVED FUEL =>3MW BUT <50MW	Permit Number: PP3734LK Original Permit Number: PP3734LK EPR Reference: EA/EPR/PP3734LK/V003 Issue Date: 19/12/2006 Effective Date: 19/12/2006 Last date noted as effective: 2013-01-23 Status: Superseded
161A	0.0	On Site	353350, 179390	Operator: Wessex Water Services Ltd Installation Name: Avonmouth Chp, Sludge Drying & Food Waste Treatment Facility Epr/pp3734lk/v006 Process: COMBUSTION; WASTE DERIVED FUEL =>3MW BUT <50MW	Permit Number: KP3330ZB Original Permit Number: PP3734LK EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 2013-01-23 Status: Determination
162A	0.0	On Site	353350, 179390	Operator: Wessex Water Services Ltd Installation Name: Wessex Water Avonmouth Licensed Treatment Centre Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT	Permit Number: PP3634MG Original Permit Number: PP3634MG EPR Reference: - Issue Date: 30/10/2007 Effective Date: 30/10/2007 Last date noted as effective: 2013-01-23 Status: Superseded
163A	0.0	On Site	353350, 179390	Operator: Wessex Water Services Ltd Installation Name: Wessex Water Avonmouth Licensed Treatment Centre Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D	Permit Number: PP3634MG Original Permit Number: PP3634MG EPR Reference: - Issue Date: 30/10/2007 Effective Date: 30/10/2007 Last date noted as effective: 2013-01-23 Status: Superseded
164B	100.0	SW	353010, 178300	Operator: Tocris Cookson Ltd Installation Name: Tocris Cookson Ltd Process: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS	Permit Number: BQ2227IF Original Permit Number: BQ2227IF EPR Reference: - Issue Date: 17/6/2002 Effective Date: 19/1/2005 Last date noted as effective: 2013-01-23 Status: Revoked
165B	100.0	SW	353010, 178300	Operator: Tocris Cookson Ltd Installation Name: - Process: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS	Permit Number: BQ2227 Original Permit Number: BQ2227 EPR Reference: - Issue Date: 17-6-2002 Effective Date: 18-6-2002 Last date noted as effective: 2004-10-01 Status: Superseded By Pas

166I	226.0	W	353350, 179850	Operator: Ethoc Recycling Ltd. Installation Name: Advanced Thermal Processing Facility Process: INCINERATION OF NON HAZARDOUS WASTE >1T/HR	Permit Number: LP3432XX Original Permit Number: LP3432XX EPR Reference: EA/EPR/LP3432XX/V002 Issue Date: 12/8/2008 Effective Date: 12/8/2008 Last date noted as effective: 2013-01-23 Status: Superseded
167I	226.0	W	353350, 179850	Operator: Ethos Medical & Special Waste Ltd Installation Name: Advanced Thermal Processing Facility Process: INCINERATION OF NON HAZARDOUS WASTE >1T/HR	Permit Number: AP3933TL Original Permit Number: AP3933TL EPR Reference: - Issue Date: 2/8/2011 Effective Date: 2/8/2011 Last date noted as effective: 2013-01-23 Status: Revoked
168I	226.0	W	353350, 179850	Operator: Compact Power Limited Installation Name: Advanced Thermal Processing Facility Process: INCINERATION OF NON HAZARDOUS WASTE >1T/HR	Permit Number: AP3534SD Original Permit Number: BL0316IJ EPR Reference: - Issue Date: 16/11/2005 Effective Date: 16/11/2005 Last date noted as effective: 2013-01-23 Status: Superseded
169I	226.0	W	353350, 179850	Operator: Compact Power Limited Installation Name: Advanced Thermal Processing Facility Process: INCINERATION OF NON HAZARDOUS WASTE >1T/HR	Permit Number: BL0316IJ Original Permit Number: BL0316IJ EPR Reference: - Issue Date: 27/9/2001 Effective Date: 28/9/2001 Last date noted as effective: 2013-01-23 Status: Superseded
170I	226.0	W	353350, 179850	Operator: Compact Power Ltd Installation Name: - Process: WASTE INCINERATION; HAZARDOUS WASTE UNLESS 5.1B UNLESS IN EXEMPT INCINERATOR	Permit Number: BL0316 Original Permit Number: BL0316 EPR Reference: - Issue Date: 27-9-2001 Effective Date: 28-9-2001 Last date noted as effective: 2005-10-03 Status: Superseded By Variation
171I	226.0	W	353350, 179850	Operator: Compact Power Limited Installation Name: Advanced Thermal Processing Facility Process: INCINERATION OF NON HAZARDOUS WASTE >1T/HR	Permit Number: BV9438IF Original Permit Number: BL0316IJ EPR Reference: - Issue Date: 29/1/2004 Effective Date: 30/1/2004 Last date noted as effective: 2013-01-23 Status: Superseded
172I	226.0	W	353350, 179850	Operator: Compact Power Limited Installation Name: Advanced Thermal Processing Facility Process: COINCINERATION OF HAZARDOUS WASTE	Permit Number: WP3538UM Original Permit Number: WP3538UM EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 2010-01-06 Status: Determination
173I	226.0	W	353350, 179850	Operator: Compact Power Ltd Installation Name: - Process: WASTE INCINERATION; HAZARDOUS WASTE UNLESS 5.1B UNLESS IN EXEMPT INCINERATOR	Permit Number: BV9438 Original Permit Number: BL0316 EPR Reference: - Issue Date: 29-1-2004 Effective Date: 30-1-2004 Last date noted as effective: 2004-10-01 Status: Superseded By Pas
174C	227.0	NW	352600, 179100	Operator: Britannia Zinc Ltd Installation Name: - Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE	Permit Number: BU6905 Original Permit Number: BU6905 EPR Reference: - Issue Date: 5-2-2004 Effective Date: 5-2-2004 Last date noted as effective: 2004-10-01 Status: Superseded By Pas
175C	227.0	NW	352600, 179100	Operator: St Modwens Developments Ltd Installation Name: Kingsweston Landfill Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE	Permit Number: VP3737XK Original Permit Number: BU6905IG EPR Reference: - Issue Date: 21/7/2008 Effective Date: 21/7/2008 Last date noted as effective: 2013-01-23 Status: Superseded

176C	227.0	NW	352600, 179100	Operator: St Modwens Developments Ltd Installation Name: Kingsweston Landfill Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE	Permit Number: RP3538FK Original Permit Number: BU6905IG EPR Reference: - Issue Date: 30/11/2011 Effective Date: 30/11/2011 Last date noted as effective: 2013-01-23 Status: Effective
177C	227.0	NW	352600, 179100	Operator: Britannia Zinc Ltd Installation Name: Britannia Zinc Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE	Permit Number: BU6905IG Original Permit Number: BU6905IG EPR Reference: - Issue Date: 5/2/2004 Effective Date: 5/2/2004 Last date noted as effective: 2013-01-23 Status: Superceded
178C	227.0	NW	352600, 179100	Operator: St Modwens Developments Ltd Installation Name: Kingsweston Landfill Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE	Permit Number: GP3337PB Original Permit Number: BU6905IG EPR Reference: - Issue Date: 13/9/2004 Effective Date: 15/9/2004 Last date noted as effective: 2013-01-23 Status: Superceded
179C	227.0	NW	352600, 179100	Operator: St Modwens Developments Ltd Installation Name: Kingsweston Landfill Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE	Permit Number: BP3337SQ Original Permit Number: BU6905IG EPR Reference: - Issue Date: 4/10/2006 Effective Date: 5/10/2006 Last date noted as effective: 2013-01-23 Status: Superceded
180Q	461.0	W	351890, 179020	Operator: Andersons Waste Treatment Centre Limited Installation Name: Andersons Waste Management Limited Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT	Permit Number: GP3538CA Original Permit Number: GP3538CA EPR Reference: - Issue Date: 21/9/2012 Effective Date: 21/9/2012 Last date noted as effective: 2013-01-23 Status: Effective
181R	470.0	N	352200, 179300	Operator: New Earth Energy (west) Operations Limited Installation Name: Avonmouth Energy Facility Process: INCINERATION OF NON HAZARDOUS WASTE >1T/HR	Permit Number: JP3535CE Original Permit Number: JP3535CE EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 2013-01-23 Status: Determination
182L	478.0	SW	351940, 178550	Operator: Blagden Packaging Nv Installation Name: Avonmouth Way Plant Process: ASSOCIATED PROCESS	Permit Number: FP3235SY Original Permit Number: FP3235SY EPR Reference: - Issue Date: 15/12/2005 Effective Date: 15/12/2005 Last date noted as effective: 2013-01-23 Status: Superceded
183L	478.0	SW	351940, 178550	Operator: Blagden Packaging Nv Installation Name: Avonmouth Way Plant Process: INCINERATION OF HAZARDOUS WASTE	Permit Number: FP3235SY Original Permit Number: FP3235SY EPR Reference: - Issue Date: 15/12/2005 Effective Date: 15/12/2005 Last date noted as effective: 2013-01-23 Status: Superceded
184L	478.0	SW	351940, 178550	Operator: Pack2pack Uk Ltd Installation Name: Avonmouth Drum Incinerator Process: INCINERATION OF HAZARDOUS WASTE	Permit Number: QP3638UP Original Permit Number: QP3638UP EPR Reference: - Issue Date: 31/5/2007 Effective Date: 31/5/2007 Last date noted as effective: 2013-01-23 Status: Transfer Effective
185L	478.0	SW	351940, 178550	Operator: Pack2pack Uk Ltd Installation Name: Avonmouth Drum Incinerator Process: ASSOCIATED PROCESS	Permit Number: QP3638UP Original Permit Number: QP3638UP EPR Reference: - Issue Date: 31/5/2007 Effective Date: 31/5/2007 Last date noted as effective: 2013-01-23 Status: Transfer Effective

Records of Water Industry Referrals (potentially harmful discharges to the public sewer) within 500m of the study site: 1

The following Water Industry Referral records are represented as points on the Authorisations, Incidents and Registers map:

ID	Distance [m]	Direction	Address	Permission reference	Local Authority	First Date Received	Last Date Received	Status
216 J	468.0	SW	Blagden Packaging Nv, Avonmouth Way, Bristol, Avon, Bs11 9hd	AJ8249	Bristol City Council	01-06-2001	01-04-2008	Dead (application)

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.

Records of List 1 Dangerous Substances Inventory Sites within 500m of the study site: 3

The following List 1 Dangerous Substance Inventory Site records are represented as points on the Authorisations, Incidents and Registers map:

ID	Distance [m]	Direction	NGR	Details
23C	227.0	NW	352600, 179100	Name: Britannia Zinc Ltd Status: Active Receiving Water: Severn Estuary, Groundwater Authorised Substances: Cadmium
24G	305.0	NW	352700, 179300	Name: Britannia Zinc (pasmenco Europe Smelting Ltd) Avonmouth Status: Active Receiving Water: Severn Estuary Authorised Substances: Mercury (other), Cadmium
25H	420.0	NW	352660, 179420	Name: Rhodia (rhône Poulenc) Chemicals Acid Plant Rhine, Avonmouth Status: Not Active Receiving Water: Severn Estuary, No Site Authorised Substances: Cadmium, Carbon tetrachloride, Aldrin, Hexachlorobenzene, Chloroform

Records of List 2 Dangerous Substance Inventory Sites within 500m of the study site: 43

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

ID	Distance [m]	Direction	NGR	Details
26E	0.0	On Site	353270, 179310	Name: J W Arrowsmith Ltd Status: Not Active Receiving Water: Severn Estuary (upper) Authorised Substances: Silver
27E	0.0	On Site	353270, 179310	Name: Avonmouth Stw (primary) Status: Not Active Receiving Water: - Authorised Substances: -
28F	3.0	NW	353250, 179400	Name: Bristol City Council Status: Active Receiving Water: Severn Estuary (upper) Authorised Substances: Zinc
29F	3.0	NW	353250, 179400	Name: Gkn Chp Ltd Status: Active Receiving Water: Severn Estuary (upper) Authorised Substances: Zinc
30F	3.0	NW	353250, 179400	Name: Merloni Elettrodomestici Uk Ltd Status: Not Active Receiving Water: Severn Estuary (upper) Authorised Substances: Nickel

31F	3.0	NW	353250, 179400	Name: Apex Cylinders Ltd Status: Active Receiving Water: -	Authorised Substances: Chromium, Copper, Lead, Nickel, Zinc
32F	3.0	NW	353250, 179400	Name: Mondi Packaging Ltd Status: Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Copper
33F	3.0	NW	353250, 179400	Name: Babcock Integrated Technology Ltd Status: Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Copper, Nickel, Zinc
34F	3.0	NW	353250, 179400	Name: Bristol City Council Status: Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Zinc
35F	3.0	NW	353250, 179400	Name: Blagden Packaging Ltd. Status: Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Chromium, Copper, Lead, Nickel, Zinc
36F	3.0	NW	353250, 179400	Name: Bristol City Council Status: Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Silver
37F	3.0	NW	353250, 179400	Name: Mead Packaging Limited Status: Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Chromium, Copper, Lead, Nickel, Silver
38F	3.0	NW	353250, 179400	Name: Kappa Yate Status: Active Receiving Water: -	Authorised Substances: Copper, Lead, Nickel, Zinc
39F	3.0	NW	353250, 179400	Name: Bryony Metals Treatments Ltd Status: Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Chromium, Zinc
40F	3.0	NW	353250, 179400	Name: Ora Technologies Status: Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Copper, Nickel, Silver
41F	3.0	NW	353250, 179400	Name: Cleansing Services Group Ltd Status: Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Chromium, Copper, Lead, Nickel, Silver, Zinc
42F	3.0	NW	353250, 179400	Name: Lpw Group Limited Status: Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Chromium, Copper, Lead, Nickel, Silver, Zinc
43F	3.0	NW	353250, 179400	Name: Johnsons Apparelmaster Uk Ltd Status: Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Zinc
44F	3.0	NW	353250, 179400	Name: Cory Environmental (gloucestershire) Ltd Status: Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Chromium, Copper, Lead, Nickel, Zinc
45F	3.0	NW	353250, 179400	Name: Viridor Waste Management Ltd Status: Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Copper, Zinc
46F	3.0	NW	353250, 179400	Name: Jordan Manufacturing Ltd Status: Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Chromium, Nickel, Zinc
47F	3.0	NW	353250, 179400	Name: Tdg Uk Ltd Status: Not Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Chromium, Copper, Lead, Nickel, Zinc
48F	3.0	NW	353250, 179400	Name: Bristol & West Graphics Status: Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Silver, Zinc
49F	3.0	NW	353250, 179400	Name: Babcock Integrated Technology Ltd Status: Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Copper, Nickel, Zinc
50F	3.0	NW	353250, 179400	Name: Cliffeville Ltd Status: Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Zinc

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51F	3.0	NW	353250, 179400	Name: Strenco Tools Status: Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Chromium, Copper, Lead, Nickel, Zinc
52F	3.0	NW	353250, 179400	Name: Albemarle Chemicals UK Status: Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Arsenic, Lead, Nickel
53F	3.0	NW	353250, 179400	Name: Alcan Packaging Bristol Status: Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Copper, Zinc
54F	3.0	NW	353250, 179400	Name: Rolls Royce Plc Status: Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Chromium, Copper, Nickel
55F	3.0	NW	353250, 179400	Name: Moduflex Limited Status: Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Zinc
56F	3.0	NW	353250, 179400	Name: Airbus UK Status: Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Chromium, Copper, Nickel, Zinc
57F	3.0	NW	353250, 179400	Name: S & T Electroplate Status: Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Chromium, Copper, Nickel, Zinc
58F	3.0	NW	353250, 179400	Name: Chemical Recoveries Ltd Status: Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Chromium, Copper, Lead, Nickel, Zinc
59F	3.0	NW	353250, 179400	Name: Amcor Flexibles Winterbourne Ltd Status: Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Zinc
60F	3.0	NW	353250, 179400	Name: Fps (fire Protection) Ltd Status: Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Copper, Zinc
61F	3.0	NW	353250, 179400	Name: Ultrachem Ltd Status: Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Zinc
62F	3.0	NW	353250, 179400	Name: Knorr Bremse Systems For C.v.'s Ltd Status: Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Zinc
63F	3.0	NW	353250, 179400	Name: Online (coatings) Ltd Status: Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Chromium, Copper, Nickel, Zinc
64F	3.0	NW	353250, 179400	Name: Trimite Ltd Status: Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Chromium, Copper, Lead, Zinc
65F	3.0	NW	353250, 179400	Name: Avonmouth Sewage Treatment Works Status: Not Active Receiving Water: Severn Estuary (upper)	Authorised Substances: pH, Zinc
66C	227.0	NW	352600, 179100	Name: Britannia Zinc Ltd Status: Active Receiving Water: Groundwater	Authorised Substances: Arsenic, Lead, Zinc
67G	305.0	NW	352700, 179300	Name: Britannia Zinc (pasminco Europe Smelting Ltd) Avonmouth Status: Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Arsenic, Lead, pH, Zinc
68H	378.0	NW	352700, 179400	Name: Rhone Poulenc Chemicals (isc) (avonmouth) Acid Plant Rhine Status: Active Receiving Water: Severn Estuary (upper)	Authorised Substances: Chromium, Copper, Lead, Nickel, pH, Tributyltin, Zinc

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

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

ID	Distance [m]	Direction	NGR	Details	
134M	256.0	N	352300, 179100	Address: Scotts Avonmouth Ltd Third Way, Bs11 9hh Process: Vehicle Re-spray Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
135M	256.0	N	352300, 179100	Address: Sugarich Process: Pet Food/rendering/animals/plant Treatment Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
136N	387.0	SW	352300, 178400	Address: Rugby Joinery Process: Timber Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
137N	387.0	SW	352300, 178400	Address: John Carr Ltd Avonmouth Way, Bs11 9ya Process: Timber Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
138	401.0	SW	352600, 178200	Address: Rectcel Severnside Second Way, Avonmouth Way,bs11 8dh Process: Coating & Enamelling Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.

Records of Category 3 or 4 Radioactive Substance Licences within 500m of the study site:

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The following RAS Licence (3 or 4) records are represented as points on the Authorisations, Incidents and Registers map:

ID	Distance [m]	Direction	Address	Operator	Type	Permission Number	Dates	Status
208B	100.0	SW	Tocris Cookson Ltd, Northpoint,fourth Way,avonmouth, Bristol, BS11 8TA	Tocris Cookson Ltd	Keeping And Use Of Radioactive Materials (was Rsa60 Section 1).	BF0983	Date of Approval:1 /8/2002 Effective from:2/8/2002 Last date of update:20 13-01-23	Revoked/ cancelled
209B	100.0	SW	Tocris Cookson Ltd, Northpoint,fourth Way,avonmouth, Bristol, BS11 8TA	Tocris Cookson Ltd	Keeping And Use Of Radioactive Materials (was Rsa60 Section 1).	BF0983	Date of Approval:1 /7/1999 Effective from:8/7/1999 Last date of update:20 13-01-23	Superseded By Variation
210B	100.0	SW	Tocris Cookson Ltd, Northpoint, Fourth Way, Avonmouth, Bristol, BS11 8TA	Tocris Cookson Ltd	Disposal Of Radioactive Waste (was Rsa60 Section 6).	BF1009	Date of Approval:1 6/7/1999 Effective from:17/8 /1999 Last date of update:20 13-01-23	Superseded By Variation

211B	100.0	SW	Tocris Cookson Ltd, Northpoint, Fourth Way, Avonmouth, Bristol, BS11 8TA	Tocris Cookson Ltd	Disposal Of Radioactive Waste (was Rsa60 Section 6).	BF1009	Date of Approval: 2/8/2002 Effective from: 3/9/2002 Last date of update: 2013-01-23	Superseded By Variation
212B	100.0	SW	Tocris Cookson Ltd, Northpoint, Fourth Way, Avonmouth, Bristol, BS11 8TA	Tocris Cookson Ltd	Disposal Of Radioactive Waste (was Rsa60 Section 6).	BF1009	Date of Approval: 14/7/2004 Effective from: 15/7/2004 Last date of update: 2013-01-23	Revoked/ cancelled
213C	227.0	NW	Pasminco Europe (smelting) Ltd, Kings Weston Lane, Bristol, Avon, BS11 8HT	Pasminco Europe (smelting) Ltd	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AA4910	Date of Approval: 16/9/1991 Effective from: 14/10/1991 Last date of update: 2013-01-23	Expired
214C	227.0	NW	St Modwen Development Ltd, Kingsweston Lane, Avonmouth, Bristol, BS11 8HT	St Modwen Development Ltd	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AV6167	Date of Approval: 3/2/1997 Effective from: 3/3/1997 Last date of update: 2013-01-23	Revoked/ cancelled
215C	227.0	NW	Pasminco Europe (smelting) Ltd, Kings Weston Lane, Bristol, Avon, BS11 8HT	Pasminco Europe (smelting) Ltd	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AG3673	Date of Approval: 1/2/1993 Effective from: 1/3/1993 Last date of update: 2013-01-23	Revoked/ cancelled

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

12

The following Licensed Discharge Consents records are represented as points on the Authorisations, Incidents and Registers map:

ID	Distance [m]	Direction	NGR	Details
69	0.0	On Site	353700, 179000	Address: New Inn Farm, Halstock, Yeovil, Somerset Effluent Type: Agriculture - Arable Farming Permit Number: 080426 Permit Version: 1 Receiving Water: Trib Of River Yeo Status: Lapsed Under Schedule 23 Environment Act 1995 Issue date: - Effective Date: 24/7/1969 Revocation Date: 1/10/1996
70	0.0	On Site	354100, 179000	Address: Marriotts Farm, Halstock, Yeovil, Somerset Effluent Type: Agriculture - Arable Farming Permit Number: 080427 Permit Version: 1 Receiving Water: Trib Of River Yeo Status: Consent Revoked - Discharge Ceased (wra 91, Sched 10 & 6) Issue date: - Effective Date: 24/7/1969 Revocation Date: 31/7/1997
71	131.0	SW	352350, 178670	Address: Third Way Cso, St Andrews Rd, Avonmouth, Bristol, . Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: 011189 Permit Version: 1 Receiving Water: River Bristol Avon Status: Revoked - Unspecified Issue date: - Effective Date: 12/9/1989 Revocation Date: 22/4/2003

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72	194.0	NW	353280, 179690	Address: Avonmouth Refuse Disposal Works, Kingsweston Lane, Avonmouth, Bristol, . Effluent Type: Trade Discharges - Site Drainage Permit Number: 100139 Permit Version: 1	Receiving Water: Trib Of Salt Rhine Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 27/4/1999 Effective Date: 27/4/1999 Revocation Date: -
73	212.0	SW	352650, 178390	Address: Avonmouth Way, E Junc St Andrews Road, Bristol Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: 011192 Permit Version: 1	Receiving Water: River Bristol Avon Status: Revoked - Unspecified Issue date: - Effective Date: 12/9/1989 Revocation Date: 30/3/2003
74	272.0	N	353545, 180112	Address: Cabot Park Pumping Station No.3, Poplar Link Road, Avonmouth, Bristol, BS11 0YS Effluent Type: Sewage Discharges - Pumping Station - Water Company Permit Number: 101155 Permit Version: 1	Receiving Water: Tributary Of Salt Rhine (s) Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 30/5/2000 Effective Date: 14/4/2000 Revocation Date: -
75G	305.0	NW	352700, 179300	Address: Britannia Zinc Limited, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT Effluent Type: Trade Discharges - Process Effluent - Water Company (wtw) Permit Number: 011353 Permit Version: 1	Receiving Water: - Status: Revoked - Appeal Period (Water Act 1989 Sched 12, 6 & 8) Issue date: - Effective Date: 8/5/1989 Revocation Date: 1/3/1994
76G	305.0	NW	352700, 179300	Address: Britannia Zinc Limited, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT Effluent Type: Trade Discharges - Process Effluent - Water Company (wtw) Permit Number: 012477 Permit Version: 1	Receiving Water: Severn Estuary Status: Consent Revoked - Discharge Ceased (section 37(1)) Issue date: 15/3/1994 Effective Date: 1/3/1994 Revocation Date: 25/1/1996
77	325.0	SW	352630, 178270	Address: Station Road (off), Shirehampton, Bristol Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: 021615 Permit Version: 1	Receiving Water: River Avon (e) Status: Revoked - Unspecified Issue date: - Effective Date: - Revocation Date: 11/8/2003
78	399.0	W	353180, 179890	Address: Avonmouth Refuse Disposal Works, Kingsweston Lane, Avonmouth, Bristol, . Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: 101378 Permit Version: 1	Receiving Water: Un-named Watercourse Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 5/12/2000 Effective Date: - Revocation Date: -
79H	420.0	NW	352660, 179420	Address: Isc Chemicals Ltd(avonmouth), St Andrews Road, Avonmouth, Bristol, Avon, BS11 9HP Effluent Type: Trade Discharges - Process Effluent - Water Company (wtw) Permit Number: 021550 Permit Version: 1	Receiving Water: - Status: Transferred From R(pp)a 1951-1961 Issue date: - Effective Date: 18/2/1982 Revocation Date: 26/1/1994
80	498.0	NW	353150, 180100	Address: Pumping Station No.1, Cabot Park, Lawrence Weston Road, Avonmouth, Bristol, . Effluent Type: Sewage Discharges - Pumping Station - Water Company Permit Number: 100878 Permit Version: 1	Receiving Water: (s)trib Of Kings Weston Culvet Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 17/8/1999 Effective Date: 1/9/1999 Revocation Date: -

Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site: 1

The following records are represented as polygons on the Industrial Sites and Processes map.

ID	Distance [m]	Direction	Application Reference Number	Application Status	Application Date	Address	Details	Details of Enforcement Action

217 S	474.0	NW	02/02123/W	Approved	12/01/200 2	Rhodia Organique ,Fine St Andrews Road , Avonmouth, Bristol, BS11 9YF	For hazardous substances consent for the storage of up to 50 tonnes in total of Liquid Petroleum Gas and Liquified Flammable Gas.	Enforcement: Data requested, not received. Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified

2.2 Dangerous or Hazardous Sites

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

6

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

ID	Distance [m]	Direction	NGR	Address	Type	Update
14 70	117.0	NW	351900, 179300	m & j transport,hydro estate,st andrews road,avonmouth,bristol,bs11 9hw	COMAH	2001
14 8	136.0	SW	353000, 178200	handygas ltd,fourth way,avonmouth,bristol,bs11 8dl	NIHHS	2001
14 9P	255.0	N	352300, 179600	rhodia ltd,st andrews road,avonmouth,bristol,bs11 9hw	COMAH	2001
15 00	312.0	W	352000, 179000	hydrofertilisers ltd,st andrews road,avonmouth	COMAH	2001
15 10	312.0	W	352000, 179000	hydrofertilisers ltd,st andrews road,avonmouth	NIHHS	2001
15 2P	356.0	NW	352300, 179600	rhodia organique fine ltd,st andrews road,avonmouth,bristol,bs11 9yf	NIHHS	2001

2.3 Environment Agency Recorded Pollution Incidents

Records of National Incidents Recording System, List 2 within 250m of the study site:

22

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

ID	Distance [m]	Direction	NGR	Details
1	0.0	On Site	353460, 179450	Incident Date: 2/4/2003 Incident Identification: 148142 Pollutant: Sewage Materials Pollutant Description: Final Effluent Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
2	0.0	On Site	353530, 178750	Incident Date: 10/9/2002 Incident Identification: 106820 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
3	0.0	On Site	353321, 178712	Incident Date: 4/2/2002 Incident Identification: 56281 Pollutant: Specific Waste Materials Pollutant Description: Household Waste Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
4A	0.0	On Site	353410, 179410	Incident Date: 15/5/2002 Incident Identification: 78864 Pollutant: Oils and Fuel Pollutant Description: Unidentified Oil Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

5	0.0	On Site	353770, 178760	Incident Date: 19/7/2002 Incident Identification: 93089 Pollutant: Oils and Fuel Pollutant Description: Lubricating Oils	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
6	0.0	On Site	353126, 179087	Incident Date: 28/8/2001 Incident Identification: 27339 Pollutant: Sewage Materials Pollutant Description: Process Effluent	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
7E	0.0	On Site	353266, 179297	Incident Date: 18/9/2001 Incident Identification: 31423 Pollutant: Sewage Materials Pollutant Description: Sludge	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
8A	0.0	On Site	353430, 179400	Incident Date: 6/2/2002 Incident Identification: 56826 Pollutant: Sewage Materials Pollutant Description: Storm Sewage	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
9	0.0	On Site	353530, 179150	Incident Date: 17/7/2003 Incident Identification: 174361 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
10	0.0	On Site	353240, 178943	Incident Date: 13/5/2002 Incident Identification: 78435 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
11	0.0	On Site	353590, 179120	Incident Date: 29/1/2002 Incident Identification: 55269 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
12B	90.0	SW	353015, 178309	Incident Date: 2/12/2003 Incident Identification: 204579 Pollutant: Organic Chemicals/Products Pollutant Description: Other Organic Chemical or Product	Water Impact: Category 2 (Significant) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
13B	91.0	SW	353011, 178310	Incident Date: 21/7/2003 Incident Identification: 175488 Pollutant: Other Pollutant Pollutant Description: Radionuclide	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
14	100.0	NW	352990, 179290	Incident Date: 14/11/2001 Incident Identification: 42786 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)
15	170.0	SE	353590, 178350	Incident Date: 19/7/2004 Incident Identification: 251855 Pollutant: Inorganic Chemicals/Products Pollutant Description: Acids	Water Impact: Category 1 (Major) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
16 D	174.0	NW	353380, 179760	Incident Date: 2/4/2003 Incident Identification: 148053 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
17C	208.0	NW	352602, 179075	Incident Date: 14/10/2002 Incident Identification: 114682 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Dust	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
18C	208.0	NW	352602, 179075	Incident Date: 10/3/2003 Incident Identification: 142101 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Droplets	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
19	210.0	NW	352674, 179145	Incident Date: 7/10/2002 Incident Identification: 113116 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Dust	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
20	214.0	W	353370, 179900	Incident Date: 25/7/2003 Incident Identification: 176689 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
21 D	225.0	NW	353320, 179770	Incident Date: 19/10/2001 Incident Identification: 37782 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

22	241.0	S	353120, 178080	Incident Date: 8/9/2004 1 Incident Identification: 265228 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: Category 2 (Significant) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)

Records of National Incidents Recording System, List 1 within 250m of the study site:

0

Database searched and no data found.

2.4 Sites Determined as Contaminated Land under Part IIA EPA 1990¹

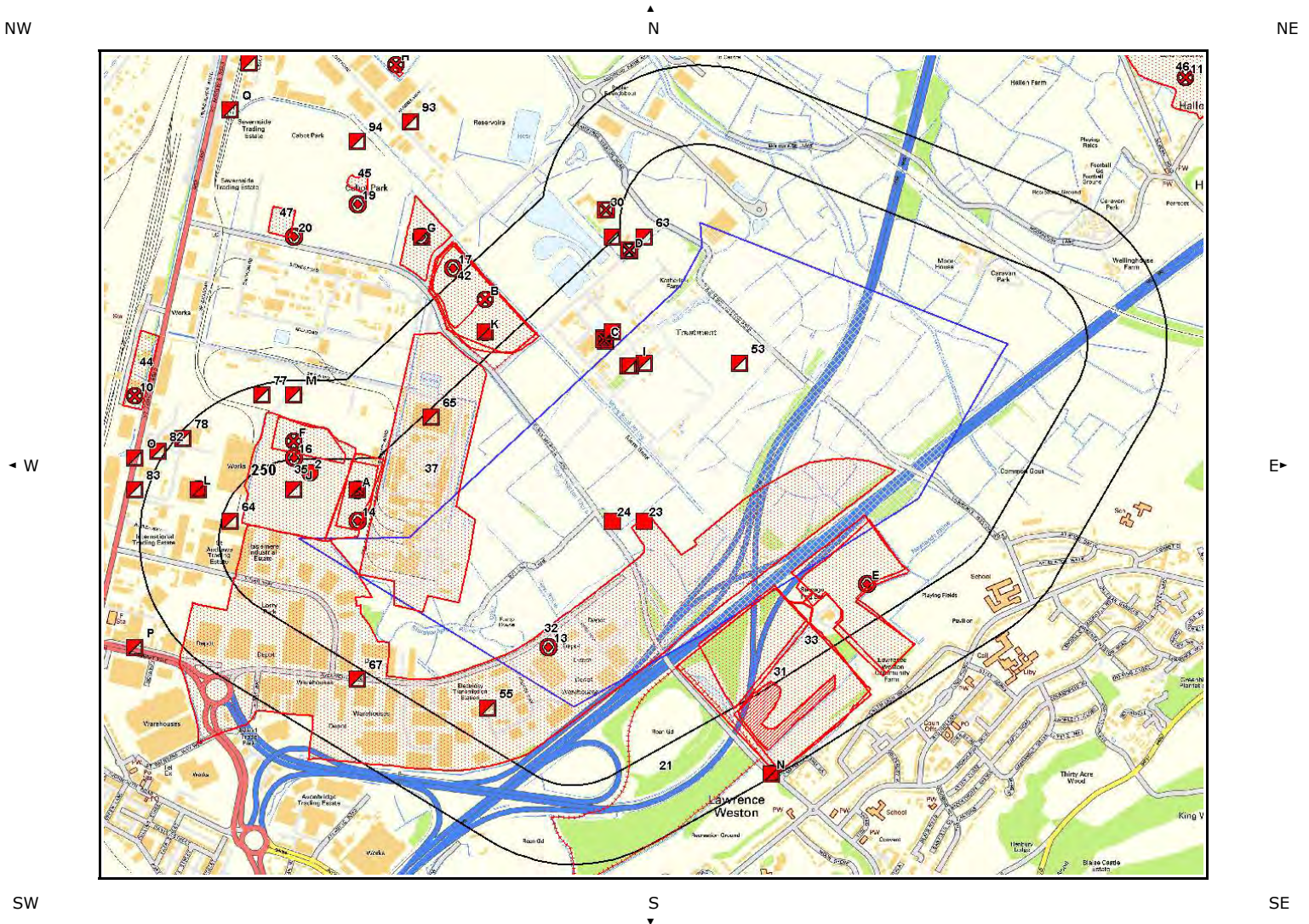
How many records of sites determined as contaminated land under Section 78R of the Environmental Protection Act 1990 are there within 500m of the study site?

0

Database searched and no data found.

¹Further information on sites that have been determined under the Contaminated Land Regime is maintained by Local Authorities under Section 78R of the Environmental Protection Act 1990. Information should be available on both sites currently determined as Contaminated Land and Special Sites.

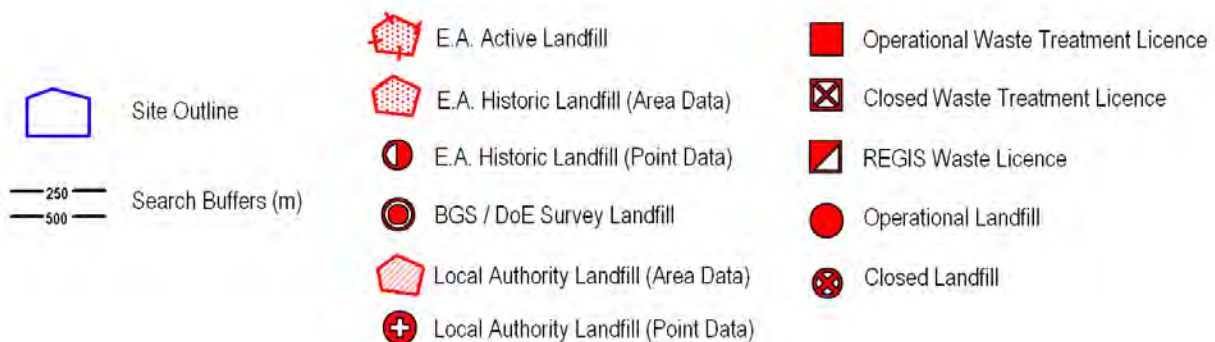
3. Landfill and Other Waste Sites Map



Landfill & Other Waste Sites Legend

Mapping sourced from
Ordnance Survey

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3. Landfill and Other Waste Sites

3.1 Landfill Sites

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

2

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

ID	Distance [m]	Direction	NGR	Details
21	49.0	SE	353800, 178100	Address: University Playing Fields, Land / Premises At, Kingsweston Lane, Lawrence Weston, Bristol, Avon, BS11 0LF Landfill Reference: 27227.0 Regis Reference: CHU207 Landfill Type: A5 : Landfill taking Non-Biodegradable Wastes Operator: Churngold Construction Ltd Status: Issued IPPC Reference:
22B	202.0	NW	352900, 179500	Address: Adjacent to and to the North of, Kingsweston Lane Landfill, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 9YF Landfill Reference: 27176.0 Regis Reference: SMA017 Landfill Type: A7 : Industrial Waste Landfill (Factory curtilage) Operator: Smart Thomas Status: Modified IPPC Reference:

Records of operational landfill sites sourced from Landmark within 1000m of the study site:

5

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

ID	Distance [m]	Direction	NGR	Details
1A	148.0	N	352500, 178995	Site Address: St Andrews Road/Kingsweston Lane, Avonmouth, BRISTOL, Avon, Agency Reference: EAWML27251 Waste Type: Difficult Waste Description: Difficult Landfill Known Restrictions: Only waste produced on site Record Date: 01-Mar-1995 Transfer Date: Modification Date: Status: Operational as far as is known Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Very Small (<10,000 tonnes/year)
2	205.0	N	352350, 179050	Site Address: Old V.R. Smelting Tip, Third Way, Avonmouth, BRISTOL, Avon, Agency Reference: EAWML29769 Waste Type: Non-Hazardous Waste Description: Non-Hazardous Landfill Known Restrictions: Waste produced/controlled by licence holder Record Date: 01-Nov-1982 Transfer Date: 31-May-1994 Modification Date: 31-May-1994 Status: Operational as far as is known Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
3K	311.0	NW	352900, 179495	Site Address: Kingsweston Lane, Avonmouth, BRISTOL, Avon, Agency Reference: EAWML29700 Waste Type: Difficult Waste Description: Difficult Landfill Known Restrictions: Waste produced/controlled by licence holder Record Date: 31-Mar-1994 Transfer Date: Modification Date: 01-Nov-1996 Status: Operational as far as is known Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Medium (< 75,000 tonnes/year)
4L	352.0	NW	352000, 179000	Site Address: Kingsweston Lane, Avonmouth, BRISTOL, Avon, BS11 8HT Agency Reference: - Waste Type: Difficult Waste Description: Difficult Landfill Known Restrictions: Waste produced/controlled by licence holder Record Date: 01-Nov-1997 Transfer Date: Modification Date: Status: Operational as far as is known Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Large (< 250,000 tonnes/year)

5N	491.0	SE	353800, 178100	Site Address: University Playing Fields, Kingweston Lane, BRISTOL, Avon, Agency Reference: EAWML29753 Waste Type: Non-Hazardous Waste Description: Non-Hazardous Landfill Known Restrictions: No known restriction on source of waste	Record Date: 30-Sep-1989 Transfer Date: Modification Date: 01-Mar-1997 Status: Operational as far as is known Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined

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

19

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
31	0.0	On Site	353800, 178300	Site Address: Kingsweston, Kingsweston Lane, Avonmouth, Bristol Waste Licence: Yes Site Reference: L/BL/T/40B, A 003 Waste Type: Inert Regis Reference: - Licence Issue: 21-Nov-1978 Licence Surrendered: Licence Hold Address: Kingweston Lane, Avonmouth, Bristol Operator: -
32	0.0	On Site	352800, 178500	Site Address: T. Farm, Avonmouth, Bristol, Avon Waste Licence: - Site Reference: - Waste Type: Inert Regis Reference: - Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: Bristol Corporation
33	0.0	On Site	353900, 178400	Site Address: Saltmarsh Drive, Lawrence Weston, Bristol, Avon Waste Licence: - Site Reference: - Waste Type: Commercial, Household Regis Reference: - Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: Bristol Corporation
34E	0.0	On Site	354000, 178600	Site Address: Kingsweston, Kingsweston Lane, Avonmouth, Bristol Waste Licence: Yes Site Reference: L/BL/T/131C, A 003 Waste Type: Inert Regis Reference: - Licence Issue: 09-Nov-1982 Licence Surrendered: Licence Hold Address: Kingweston Lane, Avonmouth, Bristol Operator: -
35	0.0	On Site	352300, 179000	Site Address: VR Tip, I S C Chemicals, Avonmouth, Avon Waste Licence: Yes Site Reference: L/BL/T/39A, L/BL/T/131c, L/0131/KIN Waste Type: Inert, Industrial Regis Reference: - Licence Issue: 21-Nov-1978 Licence Surrendered: Licence Hold Address: Kingweston Lane, Avonmouth, Bristol Operator: -
36A	0.0	On Site	352400, 178900	Site Address: Commonwealth Smelting Limited, St Andrews Road, Bristol, Avon Waste Licence: - Site Reference: - Waste Type: - Regis Reference: - Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: -
37	0.0	On Site	352700, 179000	Site Address: Kingsweston Lane, Avonmouth Waste Licence: - Site Reference: - Waste Type: - Regis Reference: - Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: -
38A	25.0	N	352400, 178900	Site Address: Britannia Zinc Factory Tip, Kingsweston Lane, Avonmouth, Bristol, Avon Waste Licence: Yes Site Reference: L/BL/T/040 Waste Type: Industrial Regis Reference: EM1/L/ 27251 Licence Issue: 21-Nov-1978 Licence Surrendered: Licence Hold Address: Britannia Zinc, Kingsweston Lane, Avonmouth, Bristol Operator: Britannia Zinc Limited
39B	188.0	NW	352800, 179500	Site Address: No.4 AHF Lagoon, North Of Kingsweston, Avonmouth, Bristol Waste Licence: Yes Site Reference: L/BL/T/126D Waste Type: Industrial Regis Reference: - Licence Issue: 18-Jan-1983 Licence Surrendered: 18-Apr-1994 Licence Hold Address: - Operator: -

40B	199.0	NW	352800, 179500	Site Address: No.3 AHF Lagoon, Avonmouth, Bristol Waste Licence: Yes Site Reference: L/BL/T/77D Waste Type: Inert, Industrial Regis Reference: -	Licence Issue: 17-Mar-1980 Licence Surrendered: 18-Apr-1994 Licence Hold Address: St Andrews Road, Avonmouth, Bristol Operator: -
41F	235.0	N	352300, 179100	Site Address: Britannia Zinc Slag Tip, Kingsweston Lane, Avonmouth, Bristol, Avon Waste Licence: Yes Site Reference: L/BL/T/305, L/BL/T/039, L/BL/T/40 Waste Type: Industrial Regis Reference: EM1/L/270015	Licence Issue: 30-Jun-1986 Licence Surrendered: Licence Hold Address: St Andrews Road, Avonmouth, Bristol Operator: Britannia Zinc Limited
42	384.0	NW	352800, 179600	Site Address: 3 AHF Lagoon, Kings Weston Lane, Avonmouth, Avon Waste Licence: - Site Reference: - Waste Type: Industrial Regis Reference: -	Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: ISC Chemicals
43G	559.0	NW	352700, 179700	Site Address: 2 AHF Lagoon, Kings Weston Lane, Avonmouth, Avon Waste Licence: - Site Reference: - Waste Type: Industrial Regis Reference: -	Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: R T Z Estates
44	640.0	NW	351800, 179300	Site Address: St Andrews Road, Avonmouth, Bristol Waste Licence: Yes Site Reference: L/BL/T/116 Waste Type: Inert Regis Reference: -	Licence Issue: 15-Dec-1981 Licence Surrendered: 02-Nov-1992 Licence Hold Address: St Andrews Road, Avonmouth, Bristol Operator: -
45	882.0	NW	352500, 179900	Site Address: Gas Area Tip, Kingsweston Lane, Avonmouth, Avon Waste Licence: - Site Reference: - Waste Type: - Regis Reference: -	Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: -
46	913.0	NE	355100, 180300	Site Address: Land at Fishers Farm, Hallen, Bristol, Avon Waste Licence: Yes Site Reference: L/NA/T/87 Waste Type: Inert, Industrial, Commercial, Household Regis Reference: -	Licence Issue: 18-Aug-1980 Licence Surrendered: 15-Feb-1994 Licence Hold Address: PO Box 8, Ettingshall, Wolverhampton Operator: -
47	949.0	NW	352200, 179800	Site Address: Beryllium Burial Pits, Kings Weston Lane, Avonmouth, Avon Waste Licence: - Site Reference: - Waste Type: - Regis Reference: -	Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: R T Z Estates
48H	1048.0	NW	352600, 180300	Site Address: Tenneco Organics Limited, Rockingham Works, Avonmouth, Bristol Waste Licence: Yes Site Reference: L/BL/T/53 Waste Type: Inert, Liquid sludge Regis Reference: -	Licence Issue: 23-Apr-1979 Licence Surrendered: 19-Oct-1992 Licence Hold Address: Rockingham Works, Avonmouth, Bristol Operator: -
Not shown	1469.0	SW	350900, 178100	Site Address: Avonmouth Dock Entrance Channel, Avonmouth, Bristol Waste Licence: Yes Site Reference: B/BL/T/44B Waste Type: Inert Regis Reference: -	Licence Issue: 19-Dec-1978 Licence Surrendered: 07-Feb-1990 Licence Hold Address: St Andrews Road, Avonmouth, Bristol Operator: -

Records of non-operational landfill sites sourced from Landmark within 1000m of the study site: 5

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

ID	Distance [m]	Direction	NGR	Details

6A	153.0	N	352500, 179000	Site Address: St Andrews Road/Kingsweston Lane, Avonmouth, BRISTOL, Avon, Landfill Licence: 01BAGXAL Agency Reference: Waste Type: Difficult Waste Description: Difficult Landfill Known Restrictions: Only waste produced on site	Record Date: 01-Nov-1978 Transfer Date: 31-May-1994 Modification Date: 30-Jun-1986 Status: Record superseded Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
7F	305.0	N	352300, 179150	Site Address: Kingsweston Lane/St Andrews Road, Avonmouth, BRISTOL, Avon, Landfill Licence: 01BAGYAL Agency Reference: EAWML27015 Waste Type: Difficult Waste Description: Difficult Landfill Known Restrictions: Only waste produced on site	Record Date: 01-Nov-1978 Transfer Date: 31-May-1994 Modification Date: 30-Jun-1986 Status: May not be working Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
8B	388.0	NW	352900, 179600	Site Address: No 3 AHF Lagoon, off Kingsweston Lane, Avonmouth, BRISTOL, Avon, Landfill Licence: 01BAEBAL Agency Reference: Waste Type: Difficult Waste Description: Difficult Landfill, Difficult Transfer Known Restrictions: Waste produced/controlled by licence holder	Record Date: 01-Mar-1980 Transfer Date: 01-Jan-1992 Modification Date: 30-Sep-1987 Status: Record superseded Category: LANDFILL - with lagoon Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
9B	388.0	NW	352900, 179600	Site Address: No.4 A.H.F Lagoon, North of Kingsweston Lane, Avonmouth, BRISTOL, Avon, Landfill Licence: 01BAAHAL Agency Reference: Waste Type: Difficult Waste Description: Difficult Landfill Known Restrictions: Only waste produced on site	Record Date: 30-Apr-1983 Transfer Date: 01-Jan-1992 Modification Date: 01-Jan-1986 Status: Record superseded Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
10	685.0	NW	351800, 179295	Site Address: adj. St Andrews Road, Avonmouth, BRISTOL, Avon, Landfill Licence: 01BAELAL Agency Reference: Waste Type: Inert Waste Description: Inert Landfill Known Restrictions: No known restriction on source of waste	Record Date: 01-Dec-1981 Transfer Date: Modification Date: Status: Licence lapsed/cancelled/defunct/not applicable/surrendered Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined

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

8

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

ID	Distance [m]	Direction	NGR	Details	
13	0.0	On Site	353100.0, 178500.0	Address: T Farm, Avonmouth, Bristol, Avon BGS Number: 2654.0	Risk: No risk to aquifer Waste Type: N/A
14	53.0	N	352500.0, 178900.0	Address: Commonwealth smelting, St Andrews Rd, Bristol, AV BGS Number: 2872.0	Risk: No risk to aquifer Waste Type: N/A
15E	142.0	SE	354100.0, 178700.0	Address: Saltmarsh Lane, Lawrence Weston Bristol, Avon BGS Number: 2579.0	Risk: No risk to aquifer Waste Type: Some toxic waste
16	256.0	N	352300.0, 179100.0	Address: VR Tip, ISC Chemicals, Avonmouth BGS Number: 2869.0	Risk: Risk to minor aquifer Waste Type: N/A
17	529.0	NW	352800.0, 179700.0	Address: No 3 AAF Lagoon, Kings Weston Lane, Avonmouth, AV BGS Number: 2866.0	Risk: Risk to minor aquifer Waste Type: 1000 tons toxic waste
18G	670.0	NW	352700.0, 179800.0	Address: no 2 AHF Lagoon, KINGS Weston Lane, Avonmouth, AV BGS Number: 2868.0	Risk: Risk to minor aquifer Waste Type: 12000 tons toxic waste
19	880.0	NW	352500.0, 179900.0	Address: Gas Area Tip, Kingsweston Lane, Avonmouth BGS Number: 2867.0	Risk: No risk to aquifer Waste Type: N/A

20	943.0	NW	352300.0,179800.0	Address: Beryllium Burial Pits, Kings Weston Lne, Avonmouth BGS Number: 2865.0	Risk: Risk to minor aquifer Waste Type:

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

2

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

ID	Distance [m]	Direction	Site Address	Source	Data Type
112S	238.0	SE	Refuse Tip	1969 mapping	Polygon
113S	239.0	SE	Refuse Tip	1969 mapping	Polygon

3.2 Other Waste Sites

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

3

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
23	0.0	On Site	353400, 178900	Site Address: Kingsweston Lane C.A.Site, Avonmouth, BRISTOL, Avon, Landfill Licence: 01BANRAL EA Reference: EAWML29725 Waste Type: Difficult Rating: Difficult Transfer Known Restrictions: No known restriction on source of waste Record Date: 31-Jul-1993 Transfer Date: 01-Mar-1997 Modification Date: 01-Mar-1996 Status: Operational as far as is known Category: CIVIC AMENITY Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
24	0.0	On Site	353300, 178900	Site Address: Kingsweston Lane (By Pass Facility), Avonmouth, BRISTOL, Avon, BS11 0YS Landfill Licence: 01BANVAL EA Reference: EAWML27190 Waste Type: Putrescible Rating: Putrescible Transfer Known Restrictions: No known restriction on source of waste Record Date: 31-Jul-1993 Transfer Date: 01-Mar-1997 Modification Date: 01-Jan-2001 Status: Operational as far as is known Category: TRANSFER Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
25C	33.0	NW	353279, 179469	Site Address: Avonmouth S.T.Works, Kingsweston Lane, Avonmouth, BRISTOL, Avon, Landfill Licence: 01BAPPAL EA Reference: EAWML29740 Waste Type: Difficult Rating: Difficult Transfer Known Restrictions: No known restriction on source of waste Record Date: 01-Nov-1994 Transfer Date: Modification Date: Status: Operational as far as is known Category: STORAGE Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Very Large (>250,000 tonnes/year)

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

5

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
26C	37.0	NW	353274, 179469	Site Address: Avonmouth S.T.Works, Kingsweston Lane, Avonmouth, BRISTOL, Avon, Landfill Licence: 01BANAAL EA Reference: - Waste Type: Difficult Waste Description: Difficult Known Restrictions: No known restriction on source of waste Record Date: 30-Apr-1992 Transfer Date: 01-Nov-1994 Modification Date: Status: Record superseded Category: STORAGE Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Very Large (>250,000 tonnes/year)

27C	40.0	NW	353274, 179474	Site Address: Avonmouth Sewage Treatment Plant, Avonmouth, BRISTOL, Avon, Landfill Licence: 01BADAAL EA Reference: - Waste Type: Difficult Waste Description: - Known Restrictions: No known restriction on source of waste	Record Date: 31-Jul-1979 Transfer Date: Modification Date: Status: Licence lapsed/cancelled/defunct/not applicable/surrendered Category: TREATMENT Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
28D	187.0	NW	353354, 179749	Site Address: Avonmouth Works, Kingsweston Lane, Avonmouth, BRISTOL, Avon, Landfill Licence: 01BABJAL EA Reference: - Waste Type: Difficult Waste Description: Difficult Known Restrictions: No known restriction on source of waste	Record Date: 31-May-1980 Transfer Date: Modification Date: Status: Licence lapsed/cancelled/defunct/not applicable/surrendered Category: TRANSFER Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
29D	190.0	NW	353354, 179754	Site Address: Avonmouth Works, Kingsweston Lane, Avonmouth, BRISTOL, Avon, Landfill Licence: 01BABHAL EA Reference: - Waste Type: Putrescible Waste Description: Putrescible Known Restrictions: No known restriction on source of waste	Record Date: 30-Jun-1981 Transfer Date: Modification Date: 31-Jul-1989 Status: Licence lapsed/cancelled/defunct/not applicable/surrendered Category: CIVIC AMENITY Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
30	298.0	W	353280, 179880	Site Address: Avonmouth Works, Kingsweston Lane, Avonmouth, BRISTOL, Avon, Landfill Licence: 01BABKAL EA Reference: - Waste Type: Difficult Waste Description: - Known Restrictions: No known restriction on source of waste	Record Date: 31-May-1980 Transfer Date: Modification Date: Status: Site now IPC authorised Category: INCINERATION Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined

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

62

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
50I	0.0	On Site	353357, 179391	Site Address: Pembridge, Leominster, Herefordshire, HR6 9LA Type: HCI Waste TS + treatment Size: < 25000 tonnes Regis Licence Number: KIN104 Operator: Kingspan Insulation Ltd Surrendered Date: - Waste Management licence No: 102567 Annual Tonnage: 74999.0 Issue Date: 20/04/2011 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Kingspan Insulation Ltd Cancelled Date: - Correspondence Address: -, -
51I	0.0	On Site	353400, 179400	Site Address: Kings Weston Lane, Avonmouth, Bristol, Avon, BS11 0YS Type: Sewage sludge treatment Size: < 25000 tonnes Regis Licence Number: WES672 Operator: Wessex Water Services Ltd Surrendered Date: - Waste Management licence No: 102520 Annual Tonnage: 3649.0 Issue Date: 23/03/2011 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Bristol Sewage Treatment Works Cancelled Date: - Correspondence Address: -, -
52I	0.0	On Site	353350, 179390	Site Address: Bristol W W T W, Kingsweston Lane, Bath, Avon, BS11 0YS Type: Biological Treatment Facility Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: WES670 Operator: Wessex Water Services Ltd Surrendered Date: - Waste Management licence No: 102248 Annual Tonnage: 34000.0 Issue Date: 18/03/2011 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Avonmouth C H P, Sludge Drying And Food Waste Treatment Facility Cancelled Date: - Correspondence Address: -, -

53	0.0	On Site	353700, 179400	Site Address: Avonmouth W W T W, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 0YS Type: Biological Treatment Facility Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: WES674 Operator: Wessex Water Services Ltd Surrendered Date: - Waste Management licence No: 102960 Annual Tonnage: 30000.0	Issue Date: 08/05/2012 Expiry Date: - Effective Date: - Status: Modified Modified: 31/07/2012 Site Name: Avonmouth Composting Facility Cancelled Date: - Correspondence Address: -, -
54C	42.0	NW	353300, 179500	Site Address: Avonmouth Sewage Treatment Works, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 0YS Type: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Regis Licence Number: WAS234 Operator: Wessex Water Services Ltd Surrendered Date: - Waste Management licence No: 27215 Annual Tonnage: 75000.0	Issue Date: 14/05/1992 Expiry Date: - Effective Date: - Status: IPPC Modified: - Site Name: Avonmouth Sewage Treatment Works Cancelled Date: - Correspondence Address: -, -
55	144.0	SW	352910, 178310	Site Address: Land / Premises At, Fourth Way, Avonmouth, Bristol, Avon, BS11 8DX Type: ELV Facility Size: < 25000 tonnes Regis Licence Number: A&M002 Operator: A & M Motors Ltd Surrendered Date: - Waste Management licence No: 26099 Annual Tonnage: 2500.0	Issue Date: 13/09/2004 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: A & M Motors E L V Cancelled Date: - Correspondence Address: -, -
56A	153.0	N	352500, 179000	Site Address: St Andrews Road, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT Type: Industrial Waste Landfill (Factory curtilage) Size: Unknown Regis Licence Number: BRI040 Operator: Britannia Zinc Ltd Surrendered Date: - Waste Management licence No: 27251 Annual Tonnage: 0.0	Issue Date: 22/03/1995 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Britannia Zinc Factory Tip Cancelled Date: - Correspondence Address: Kingsweston Lane, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT
57A	153.0	N	352500, 179000	Site Address: St Andrews Road, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT Type: Industrial Waste Landfill (Factory curtilage) Size: < 25000 tonnes Regis Licence Number: 27251 Operator: St Modwen Developments Ltd Surrendered Date: - Waste Management licence No: 27251 Annual Tonnage: 2338.0	Issue Date: 22/03/1995 Expiry Date: 05/02/2004 Effective Date: 09/08/2003 Status: Expired Modified: - Site Name: Britannia Zinc Factory Tip Cancelled Date: - Correspondence Address: -, -
58A	153.0	N	352500, 179000	Site Address: St Andrews Road, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT Type: Industrial Waste Landfill (Factory curtilage) Size: < 25000 tonnes Regis Licence Number: 27251 Operator: St Modwen Developments Ltd Surrendered Date: - Waste Management licence No: 27251 Annual Tonnage: 0.0	Issue Date: 22/03/1995 Expiry Date: 05/02/2004 Effective Date: 09/08/2003 Status: Expired Modified: - Site Name: Britannia Zinc Factory Tip Cancelled Date: - Correspondence Address: -, Lyndon House, 58/62, Hagley Road, Edgbaston, Birmingham, B16 8PE
59A	153.0	N	352500, 179000	Site Address: St Andrews Road, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT Type: Industrial Waste Landfill (Factory curtilage) Size: Unknown Regis Licence Number: 27251 Operator: St Modwen Developments Ltd Surrendered Date: - Waste Management licence No: 27251 Annual Tonnage: 0.0	Issue Date: 22/03/1995 Expiry Date: - Effective Date: 09/08/2003 Status: Transferred Modified: - Site Name: Britannia Zinc Factory Tip Cancelled Date: - Correspondence Address: -, Lyndon House, 58/62, Hagley Road, Edgbaston, Birmingham, B16 8PE

60J	156.0	N	352300, 179000	Site Address: Old Vr Smelting Residues Landfill, North Of Third Way, Avonmouth, Bristol, Avon Type: Industrial Waste Landfill (Factory curtilage) Size: Unknown Regis Licence Number: BRI131 Operator: Britannia Zinc Ltd Surrendered Date: - Waste Management licence No: 27243 Annual Tonnage: 0.0	Issue Date: 01/07/1986 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Britannia Zinc Calcium Sulphate Tip Cancelled Date: - Correspondence Address: Kingsweston Lane, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT
61J	156.0	N	352300, 179000	Site Address: Old Vr Smelting Residues Landfill, North Of Third Way, Avonmouth, Bristol, Avon Type: Industrial Waste Landfill (Factory curtilage) Size: < 25000 tonnes Regis Licence Number: 272043 Operator: St Modwen Developments Ltd Surrendered Date: - Waste Management licence No: 27243 Annual Tonnage: 131761.0	Issue Date: 01/07/1986 Expiry Date: 05/02/2004 Effective Date: 09/08/2003 Status: Expired Modified: - Site Name: Britannia Zinc Calcium Sulphate Tip Cancelled Date: - Correspondence Address: -, -
62J	156.0	N	352300, 179000	Site Address: Old Vr Smelting Residues Landfill, North Of Third Way, Avonmouth, Bristol, Avon Type: Industrial Waste Landfill (Factory curtilage) Size: Unknown Regis Licence Number: 272043 Operator: St Modwen Developments Ltd Surrendered Date: - Waste Management licence No: 27243 Annual Tonnage: 0.0	Issue Date: 01/07/1986 Expiry Date: - Effective Date: 09/08/2003 Status: Transferred Modified: - Site Name: Britannia Zinc Calcium Sulphate Tip Cancelled Date: - Correspondence Address: -, Lyndon House, 58/62, Hagley Road, Edgbaston, Birmingham, B16 8PE
63	176.0	NW	353400, 179800	Site Address: Kingsweston Lane Civic Amenity Site, Avonmouth Refuse Transfer Station, Kingswestern Lane, Avonmouth, Bristol, Avon, BS11 0YS Type: Household Waste Amenity Site Size: < 25000 tonnes Regis Licence Number: AVO273 Operator: Bristol City Council Surrendered Date: - Waste Management licence No: 27200 Annual Tonnage: 24999.0	Issue Date: 13/08/1993 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Kingsweston Lane Civic Amenity Site Cancelled Date: - Correspondence Address: -, -
64	223.0	W	352100, 178900	Site Address: Britannia Zinc, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT Type: Industrial Waste Landfill (Factory curtilage) Size: >= 75000 tonnes Regis Licence Number: 272075 Operator: St Modwen Developments Ltd Surrendered Date: - Waste Management licence No: 27275 Annual Tonnage: 5000.0	Issue Date: 20/11/1997 Expiry Date: - Effective Date: 09/08/2003 Status: IPPC Modified: - Site Name: Britannia Zinc Landfill Cancelled Date: - Correspondence Address: -, -
65	233.0	NW	352730, 179230	Site Address: Land / Premises At, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT Type: Special Waste Transfer Station Size: < 25000 tonnes Regis Licence Number: STM003 Operator: St Modwen Developments Ltd Surrendered Date: 18/07/2011 Waste Management licence No: 26212 Annual Tonnage: 0.0	Issue Date: 17/04/2007 Expiry Date: - Effective Date: - Status: Surrendered Modified: - Site Name: Kingsweston Lane Cancelled Date: - Correspondence Address: -, -
66D	261.0	NW	353300, 179800	Site Address: Off Kingsweston Lane, Land/premises At, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 0YS Type: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: AVO283 Operator: Bristol City Council Surrendered Date: - Waste Management licence No: 27190 Annual Tonnage: 75000.0	Issue Date: 13/08/1993 Expiry Date: - Effective Date: - Status: Modified Modified: 28/03/2007 Site Name: Kingsweston Lane Transfer Station Cancelled Date: - Correspondence Address: -, -

67	283.0	SW	352500, 178400	Site Address: Avonmouth Way, Avonmouth, Bristol, Avon, BS11 8DE Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Regis Licence Number: TQL001 Operator: T Quality Ltd Surrendered Date: 11/08/2010 Waste Management licence No: 26208 Annual Tonnage: 0.0	Issue Date: 11/05/2007 Expiry Date: - Effective Date: - Status: Surrendered Modified: - Site Name: Avonmouth Cancelled Date: - Correspondence Address: -, -
68K	315.0	NW	352900, 179500	Site Address: Adjacent to and to the North of, Kingsweston Lane, Avonmouth, Bristol, BS11 9YF Type: Industrial Waste Landfill (Factory curtilage) Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: RHO305 Operator: Rhodia Uk Ltd Surrendered Date: - Waste Management licence No: 27176 Annual Tonnage: 75000.0	Issue Date: 15/04/1994 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Rhodia Landfill Site Cancelled Date: - Correspondence Address: Oak House, Oak House, Reeds Crescent, Watford, Hertfordshire, WD1 1QH
69K	315.0	NW	352900, 179500	Site Address: Adjacent to and to the North of, Kingsweston Lane Landfill, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 9YF Type: Industrial Waste Landfill (Factory curtilage) Size: < 25000 tonnes Regis Licence Number: SMA017 Operator: Smart Thomas Surrendered Date: - Waste Management licence No: 27176 Annual Tonnage: 250000.0	Issue Date: 15/04/1994 Expiry Date: - Effective Date: 05/10/2009 Status: Modified Modified: 28/05/2012 Site Name: Kingsweton Lane Landfill Cancelled Date: - Correspondence Address: -, -
70K	315.0	NW	352900, 179500	Site Address: Adjacent to and to the North of, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 9YF Type: Industrial Waste Landfill (Factory curtilage) Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: SMA017 Operator: Smart Thomas Surrendered Date: - Waste Management licence No: 27176 Annual Tonnage: 75000.0	Issue Date: 15/04/1994 Expiry Date: - Effective Date: 05/10/2009 Status: Transferred Modified: - Site Name: Kingsweton Lane Landfill Cancelled Date: - Correspondence Address: -, -
71K	315.0	NW	352900, 179500	Site Address: Adjacent to and to the North of, Kingsweston Lane, Avonmouth, Bristol, Avon Type: Industrial Waste Landfill (Factory curtilage) Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: RHO305 Operator: Rhodia Ltd Surrendered Date: - Waste Management licence No: 27176 Annual Tonnage: 75000.0	Issue Date: 15/04/1994 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Rhodia Landfill Site Cancelled Date: - Correspondence Address: Oak House, Oak House, Reeds Crescent, Watford, Hertfordshire, WD1 1QH
72K	315.0	NW	352900, 179500	Site Address: Adjacent to and to the North of, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 9YF Type: Industrial Waste Landfill (Factory curtilage) Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: RHO305 Operator: Rhodia U K Ltd Surrendered Date: - Waste Management licence No: 27176 Annual Tonnage: 75000.0	Issue Date: 15/04/1994 Expiry Date: - Effective Date: - Status: Closure Modified: - Site Name: Rhodia Landfill Site Cancelled Date: - Correspondence Address: -, -
73L	352.0	NW	352000, 179000	Site Address: Britannia Zinc, Kingsweston Lane, Avonmouth, Bristol, BS11 8HT Type: Industrial Waste Landfill (Factory curtilage) Size: >= 75000 tonnes Regis Licence Number: BRI343 Operator: Britannia Zinc Ltd Surrendered Date: - Waste Management licence No: 27275 Annual Tonnage: 0.0	Issue Date: 20/11/1997 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Britannia Zinc Landfill Cancelled Date: - Correspondence Address: Britannia Zinc, Kingsweston Lane, Avonmouth, Bristol, BS11 8HT

74M	455.0	N	352300, 179300	Site Address: St Andrews Road, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT Type: Industrial Waste Landfill (Factory curtilage) Size: < 25000 tonnes Regis Licence Number: 270015 Operator: St Modwen Developments Ltd Surrendered Date: - Waste Management licence No: 27015 Annual Tonnage: 75000.0	Issue Date: 01/07/1986 Expiry Date: 05/12/2004 Effective Date: 09/08/2003 Status: Expired Modified: - Site Name: Britannia Zinc Slag Tip Cancelled Date: - Correspondence Address: -, -
75M	455.0	N	352300, 179300	Site Address: St Andrews Road, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT Type: Industrial Waste Landfill (Factory curtilage) Size: Unknown Regis Licence Number: BRI325 Operator: Britannia Zinc Ltd Surrendered Date: - Waste Management licence No: 27015 Annual Tonnage: 0.0	Issue Date: 01/07/1986 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Britannia Zinc Slag Tip Cancelled Date: - Correspondence Address: Kingsweston Lane, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT
76M	455.0	N	352300, 179300	Site Address: St Andrews Road, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT Type: Industrial Waste Landfill (Factory curtilage) Size: Unknown Regis Licence Number: 270015 Operator: St Modwen Developments Ltd Surrendered Date: - Waste Management licence No: 27015 Annual Tonnage: 0.0	Issue Date: 01/07/1986 Expiry Date: - Effective Date: 09/08/2003 Status: Transferred Modified: - Site Name: Britannia Zinc Slag Tip Cancelled Date: - Correspondence Address: -, Lyndon House, 58/62, Hagley Road, Edgbaston, Birmingham, B16 8PE
77	470.0	N	352200, 179300	Site Address: Avonmouth M B T Facility, Kings Weston Lane, Avonmouth, Bristol, Avon, BS11 9FG Type: Biological Treatment Facility Size: >= 75000 tonnes Regis Licence Number: NEW123 Operator: New Earth Solutions (West) Ltd Surrendered Date: - Waste Management licence No: 101145 Annual Tonnage: 199999.0	Issue Date: 14/04/2010 Expiry Date: - Effective Date: - Status: Modified Modified: 05/10/2012 Site Name: Avonmouth M B T Facility Cancelled Date: - Correspondence Address: -, -
78	483.0	NW	351951, 179162	Site Address: Hydro Estate, St Andrews Road, Ocean Park, Bristol, BS11 9HW Type: Treatment of waste wood <75000 tps Size: < 25000 tonnes Regis Licence Number: STO147 Operator: Stobart Biomass Products Ltd Surrendered Date: - Waste Management licence No: 104470 Annual Tonnage: 74999.0	Issue Date: 11/07/2012 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Old R M C Site Cancelled Date: - Correspondence Address: -, -
79N	491.0	SE	353800, 178100	Site Address: University Playing Fields, Kingsweston Lane, Lawrence Weston, Bristol Type: Landfill taking Non-Biodegradable Wastes Size: >= 75000 tonnes Regis Licence Number: CHU207 Operator: Churngold Group Ltd Surrendered Date: - Waste Management licence No: 27227 Annual Tonnage: 0.0	Issue Date: 19/10/1989 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Churngold University Playing Fields Landfill Cancelled Date: - Correspondence Address: Northway, Gloucester Road North, Filton, Bristol, BS12 7QG
80N	491.0	SE	353800, 178100	Site Address: University Playing Fields, Land / Premises At, Kingsweston Lane, Lawrence Weston, Bristol, Avon, BS11 0LF Type: Landfill taking Non-Biodegradable Wastes Size: < 25000 tonnes Regis Licence Number: CHU207 Operator: Churngold Construction Ltd Surrendered Date: - Waste Management licence No: 27227 Annual Tonnage: 2300.0	Issue Date: 19/10/1989 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Churngold University Playing Fields Landfill Cancelled Date: - Correspondence Address: -, -

81N	491.0	SE	353800, 178100	Site Address: University Playing Fields, Kingweston Lane, Lawrence Weston, Bristol Type: Landfill taking Non- Biodegradable Wastes Size: >= 75000 tonnes Regis Licence Number: CHU207 Operator: Churngold Construction Ltd Surrendered Date: - Waste Management licence No: 27227 Annual Tonnage: 0.0	Issue Date: 19/10/1989 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Churngold University Playing Fields Landfill Cancelled Date: - Correspondence Address: Northway, St Andrews House, St Andrews Rd, Avonmouth, Bristol, BS11 9DQ
82	522.0	NW	351873, 179121	Site Address: Unit 7 Norsk Hydro Trading Estate, St Andrews Road, Avonmouth, Bristol, Avon, BS11 9HW Type: HCI Waste TS + treatment Size: < 25000 tonnes Regis Licence Number: BIF100 Operator: Biffa Waste Services Limited Surrendered Date: - Waste Management licence No: 102883 Annual Tonnage: 74999.0	Issue Date: 20/06/2011 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Biffa Waste Services Ltd Cancelled Date: - Correspondence Address: -, -
83	539.0	W	351800, 179000	Site Address: Alloys House, Alloys House, St Andrews Road, Avonmouth, Bristol, Avon, BS11 9HS Type: Transfer Station taking Non- Biodegradable Wastes Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: WES232 Operator: Western Tyres Ltd Surrendered Date: - Waste Management licence No: 27216 Annual Tonnage: 1000.0	Issue Date: 06/04/1992 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Western Tyres Avonmouth Cancelled Date: - Correspondence Address: -, -
84O	576.0	NW	351800, 179100	Site Address: Unit 8, Yara Estate, St Andrews Road, Avonmouth, Bristol, Avon, BS11 9HW Type: Physical Treatment Facility Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: NEW178 Operator: New West Gypsum Recycling (U K) Ltd Surrendered Date: - Waste Management licence No: 26190 Annual Tonnage: 70000.0	Issue Date: 28/04/2006 Expiry Date: - Effective Date: 20/08/2010 Status: Transferred Modified: - Site Name: Lafarge Plasterboard Recycling Facility Cancelled Date: - Correspondence Address: -, -
85O	576.0	NW	351800, 179100	Site Address: Unit 8, Yara Estate, St Andrews Road, Avonmouth, Bristol, BS11 9HW Type: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: LAF001 Operator: Lafarge Plasterboard Ltd Surrendered Date: - Waste Management licence No: 26190 Annual Tonnage: 0.0	Issue Date: 28/04/2006 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Lafarge Plasterboard Recycling Facility Cancelled Date: - Correspondence Address: -, Marsh Lane, Easton In Gordano, Bristol, BS20 ONF
86O	576.0	NW	351800, 179100	Site Address: Unit 8, Yara Estate, St Andrews Road, Avonmouth, Bristol, Avon, BS11 9HW Type: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: NEW178 Operator: New West Gypsum Recycling (U K) Ltd Surrendered Date: - Waste Management licence No: 26190 Annual Tonnage: 70000.0	Issue Date: 28/04/2006 Expiry Date: - Effective Date: 20/08/2010 Status: Transferred Modified: - Site Name: Lafarge Plasterboard Recycling Facility Cancelled Date: - Correspondence Address: -, -
87P	621.0	SW	351800, 178500	Site Address: Unit 7, St Brendans Trading Estate, Avonmouth Way, Bristol, Avon, BS11 9HD Type: Special Waste Transfer Station Size: < 25000 tonnes Regis Licence Number: PUR005 Operator: Pure Clean Environmental Ltd Surrendered Date: - Waste Management licence No: 26057 Annual Tonnage: 4999.0	Issue Date: 05/12/2002 Expiry Date: - Effective Date: - Status: Modified Modified: 16/07/2008 Site Name: Pure Clean Enironmental Ltd Cancelled Date: - Correspondence Address: -, -

88P	621.0	SW	351800, 178500	Site Address: Unit 7, St Brendans Trading Estate, Avonmouth Way, Avonmouth, Bristol, BS11 9HD Type: Special Waste Transfer Station Size: < 25000 tonnes Regis Licence Number: PUR005 Operator: Pure Clean (uk) Ltd Surrendered Date: - Waste Management licence No: 26057 Annual Tonnage: 0.0	Issue Date: 05/12/2002 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Pure Clean (uk) Ltd Cancelled Date: - Correspondence Address: -, Old Moor Road, Bredbury, Stockport, SK6 2QE
89G	670.0	NW	352700, 179800	Site Address: Merebank Road, Avonmouth, Bristol, Avon Type: HCI Waste TS + treatment Size: < 25000 tonnes Regis Licence Number: AVO013 Operator: Avonmouth Resource Park Ltd Surrendered Date: - Waste Management licence No: 101887 Annual Tonnage: 40000.0	Issue Date: 09/09/2010 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Avonmouth Resource Park Cancelled Date: - Correspondence Address: -, -
Not shown	909.0	W	351408, 178892	Site Address: Avonmouth Docks, St Andrews Road, Avonmouth, BS11 9DQ Type: HCI Waste TS + treatment Size: < 25000 tonnes Regis Licence Number: CHU074 Operator: Churngold Recycling Limited Surrendered Date: - Waste Management licence No: 102799 Annual Tonnage: 74999.0	Issue Date: 31/05/2011 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Churngold Recycling Building E Cancelled Date: - Correspondence Address: -, -
Not shown	948.0	W	351400, 178600	Site Address: Allied Metals Ltd, Royal Edward Dock, St Andrews Road, Avonmouth, Bristol, Avon, BS11 9BT Type: Metal Recycling Site (mixed MRS's) Size: >= 75000 tonnes Regis Licence Number: ALL271 Operator: Sims Group Uk Ltd Surrendered Date: - Waste Management licence No: 27202 Annual Tonnage: 75000.0	Issue Date: 17/12/1993 Expiry Date: - Effective Date: - Status: Transferred Modified: - Site Name: Sims Group Fragmentation Plant Cancelled Date: - Correspondence Address: -, -
Not shown	948.0	W	351400, 178600	Site Address: Allied Metals Ltd, Royal Edward Dock, St Andrews Road, Avonmouth, Bristol, BS11 9BT Type: Metal Recycling Site (mixed MRS's) Size: >= 75000 tonnes Regis Licence Number: ALL271 Operator: Simsmetal Uk Ltd Surrendered Date: - Waste Management licence No: 27202 Annual Tonnage: 75000.0	Issue Date: 17/12/1993 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Simsmetal Fragmentation Plant Cancelled Date: - Correspondence Address: Atlantech House, Atlantech House, Beaufort Square, Chepstow, Gwent, NP6 5EP
93	959.0	NW	352665, 180162	Site Address: Unit 117a, Burcott Road, Avonmouth, Bristol, Avon, BS11 8AG Type: WEEE treatment facility Size: < 25000 tonnes Regis Licence Number: EUR053 Operator: E Recycling Ltd Surrendered Date: - Waste Management licence No: 101256 Annual Tonnage: 74999.0	Issue Date: 24/11/2009 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Euro Recycling Ltd Cancelled Date: - Correspondence Address: -, -
94	1026.0	NW	352500, 180100	Site Address: Units C & D, 203, Burcott Road, Avonmouth, Bristol, Avon, BS11 8AP Type: Clinical Waste Transfer Station Size: < 25000 tonnes Regis Licence Number: ECO023 Operator: Eco Waste South West Ltd Surrendered Date: - Waste Management licence No: 100334 Annual Tonnage: 24999.0	Issue Date: 04/07/2008 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Ecowaste South West Ltd Cancelled Date: - Correspondence Address: -, -
Not shown	1048.0	W	351301, 179105	Site Address: West Wharf, Avonmouth Docks, Avonmouth, Bristol, Avon, BS11 9DQ Type: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: STO139 Operator: Stobart Biomass Products Ltd Surrendered Date: - Waste Management licence No: 101852 Annual Tonnage: 74999.0	Issue Date: 15/09/2010 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Avonmouth Storage Facility Cancelled Date: - Correspondence Address: -, -

Not shown	1158.0	NW	352700, 180600	Site Address: Rockingham Works, Smoke Lane, Avonmouth, Bristol, BS11 OYA Type: Special Waste Transfer Station Size: < 25000 tonnes Regis Licence Number: CHE226 Operator: Chemical Recoveries Ltd Surrendered Date: - Waste Management licence No: 27219 Annual Tonnage: 25000.0	Issue Date: 15/08/1991 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Chemical Recoveries Avonmouth Cancelled Date: - Correspondence Address: Smoke Lane, Smoke Lane, Avonmouth, Bristol, BS11 OYA
Not shown	1307.0	SW	351194, 178175	Site Address: H Berth, Junction Cut, Avonmouth Docks, Avonmouth, Bristol, BS11 9DH Type: Metal Recycling Site (Vehicle Dismantler) Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: DUN017 Operator: Dunn Bros (1995) Ltd Surrendered Date: - Waste Management licence No: 100142 Annual Tonnage: 74999.0	Issue Date: 28/03/2008 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Dunn Bros (1995) Ltd Cancelled Date: - Correspondence Address: -, -
Not shown	1307.0	SW	351194, 178175	Site Address: H Berth, Junction Cut, Avonmouth Docks, Avonmouth, Bristol, BS11 9DH Type: Metal Recycling Site (Vehicle Dismantler) Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: SIM127 Operator: Sims Group U K Ltd Surrendered Date: - Waste Management licence No: 100142 Annual Tonnage: 74999.0	Issue Date: 28/03/2008 Expiry Date: - Effective Date: 07/07/2011 Status: Modified Modified: 07/10/2011 Site Name: Sims Group U K Ltd Cancelled Date: - Correspondence Address: -, -
Not shown	1325.0	W	351000, 179000	Site Address: Birth B& C, St Andrews Road, Avonmouth Docks, Bristol, BS11 9DQ Type: Physical Treatment Facility Size: < 25000 tonnes Regis Licence Number: CHU079 Operator: Churngold Recycling Limited Surrendered Date: - Waste Management licence No: 102973 Annual Tonnage: 74999.0	Issue Date: 02/12/2011 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Churngold Recycling Woodchipping Facility Cancelled Date: - Correspondence Address: -, -
Not shown	1333.0	NW	352493, 180620	Site Address: Rockingham Works, Land / Premises At, Smoke Lane, Avonmouth, Bristol, Avon, BS11 OYA Type: Special Waste Transfer Station Size: < 25000 tonnes Regis Licence Number: AUG005 Operator: Augean Treatment Ltd Surrendered Date: - Waste Management licence No: 27219 Annual Tonnage: 25000.0	Issue Date: 15/08/1991 Expiry Date: - Effective Date: 13/03/2008 Status: Transferred Modified: - Site Name: Chemical Recoveries Avonmouth Cancelled Date: - Correspondence Address: -, -
101Q	1372.0	N	352100, 180200	Site Address: Bath Reclamation, Ironchurch Road, Avonmouth, Bristol, Avon, BS11 9HP Type: Metal Recycling Site (mixed MRS's) Size: < 25000 tonnes Regis Licence Number: REC291 Operator: Simsmetal U K (Reclamation) Ltd Surrendered Date: - Waste Management licence No: 27184 Annual Tonnage: 0.0	Issue Date: 14/09/1993 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Simsmetal Reclamation Scrap Yard Cancelled Date: - Correspondence Address: Ironchurch Road, Ironchurch Road, Avonmouth, Bristol, Avon, BS11 9HP
102Q	1372.0	N	352100, 180200	Site Address: Bath Reclamation, Land/premises At, Ironchurch Road, Avonmouth, Bristol, Avon, BS11 9HP Type: Metal Recycling Site (mixed MRS's) Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: REC291 Operator: Sims Group Uk Ltd Surrendered Date: - Waste Management licence No: 27184 Annual Tonnage: 74999.0	Issue Date: 14/09/1993 Expiry Date: - Effective Date: - Status: Transferred Modified: - Site Name: Sims Group Reclamation Scrap Yard Cancelled Date: - Correspondence Address: -, -

103Q	1372.0	N	352100, 180200	Site Address: Bath Reclamation, Ironchurch Road, Avonmouth, Bristol, Avon, BS11 9HP Type: Metal Recycling Site (mixed MRS's) Size: < 25000 tonnes Regis Licence Number: REC291 Operator: Sims Group Uk Ltd Surrendered Date: - Waste Management licence No: 27184 Annual Tonnage: 0.0	Issue Date: 14/09/1993 Expiry Date: - Effective Date: - Status: Transferred Modified: - Site Name: Sims Group Reclamation Scrap Yard Cancelled Date: - Correspondence Address: -, Ironchurch Road, Avonmouth, Bristol, Avon, BS11 9HP
Not shown	1373.0	SW	351519, 177727	Site Address: N Berth, Avonmouth Docks, Bristol, Avon, BS11 9DL Type: Physical Treatment Facility Size: >= 75000 tonnes Regis Licence Number: SBP004 Operator: Stobart Biomass Products Limited Surrendered Date: - Waste Management licence No: 103584 Annual Tonnage: 74999.0	Issue Date: 10/05/2012 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: N Berth Cancelled Date: - Correspondence Address: -, -
Not shown	1426.0	NE	355400, 180600	Site Address: Berwick Farm Landfill, Berwick Lane, Hallen, Bristol, BS10 7RS Type: Co-Disposal Landfill Site Size: >= 75000 tonnes Regis Licence Number: CLI134 Operator: Cliffeville Ltd Surrendered Date: - Waste Management licence No: 27242 Annual Tonnage: 0.0	Issue Date: 14/12/1982 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Berwick Farm Landfill Site Cancelled Date: - Correspondence Address: St Gabriels Road, St Gabriels Road, Easton, Bristol, BS5 0RT
Not shown	1426.0	NE	355400, 180600	Site Address: Berwick Farm Landfill, Land / Premises At Berwick Farm, Berwick Lane, Hallen, Bristol, Avon, BS10 7RS Type: Co-Disposal Landfill Site Size: < 25000 tonnes Regis Licence Number: CLI134 Operator: Cliffeville Ltd Surrendered Date: - Waste Management licence No: 27242 Annual Tonnage: 75000.0	Issue Date: 14/12/1982 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Berwick Farm Landfill Site Cancelled Date: - Correspondence Address: -, -
107R	1441.0	NW	352160, 180350	Site Address: 309, Dean Road Severnside Trad Est, Avonmouth, Bristol, Avon, BS11 8AT Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Regis Licence Number: ARL001 Operator: Gale Kevin Derrick Surrendered Date: - Waste Management licence No: 26069 Annual Tonnage: 25000.0	Issue Date: 14/05/2003 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Dean Road Transfer Station Cancelled Date: - Correspondence Address: -, -
108R	1441.0	NW	352160, 180350	Site Address: 309, Dean Road, Severnside T E Avonmouth, Bristol, BS11 8AT Type: Household, Commercial & Industrial Waste T Stn Size: Unknown Regis Licence Number: ARL001 Operator: Gale Kevin Derrick Surrendered Date: - Waste Management licence No: 26069 Annual Tonnage: 0.0	Issue Date: 14/05/2003 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Dean Road Transfer Station Cancelled Date: - Correspondence Address: -, 267, Juniper Way, Bradley Stoke, Bristol, BS32 0DP
Not shown	1470.0	NW	351000, 179500	Site Address: Land at Avonmouth Docks, Land / Premises At, Avonmouth Docks, Avonmouth, Bristol, Avon, BS11 9BB Type: Chemical Treatment Facility Size: < 25000 tonnes Regis Licence Number: TRI296 Operator: Trinco Ltd Surrendered Date: - Waste Management licence No: 27288 Annual Tonnage: 50000.0	Issue Date: 31/12/1993 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Trinco Avonmouth Waste Treatment & Transfer Cancelled Date: - Correspondence Address: -, -

Not shown	1470.0	NW	351000, 179500	Site Address: Land at Avonmouth Docks, Avonmouth Docks, Avonmouth, Bristol, Avon Type: Chemical Treatment Facility Size: Unknown Regis Licence Number: TRI296 Operator: Trinco Ltd Surrendered Date: - Waste Management licence No: 27288 Annual Tonnage: 0.0	Issue Date: 31/12/1993 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Trinco Avonmouth Waste Treatment & Transfer Cancelled Date: - Correspondence Address: Richmond Place, 125 Broughton, Richmond Place, Boughton, Chester, CH3 5BJ
Not shown	1499.0	NW	352457, 180839	Site Address: Land At Rockingham Park, Smoke Lane, Bristol, Avon, BS11 0YW Type: Deposit of waste to land as a recovery operation Size: < 25000 tonnes Regis Licence Number: TER339 Operator: Terramond Ltd Surrendered Date: - Waste Management licence No: 104455 Annual Tonnage: 84200.0	Issue Date: 04/10/2012 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Land At Rockingham Park Cancelled Date: - Correspondence Address: -, -

4. Current Land Use Map

NW

N
↑

NE

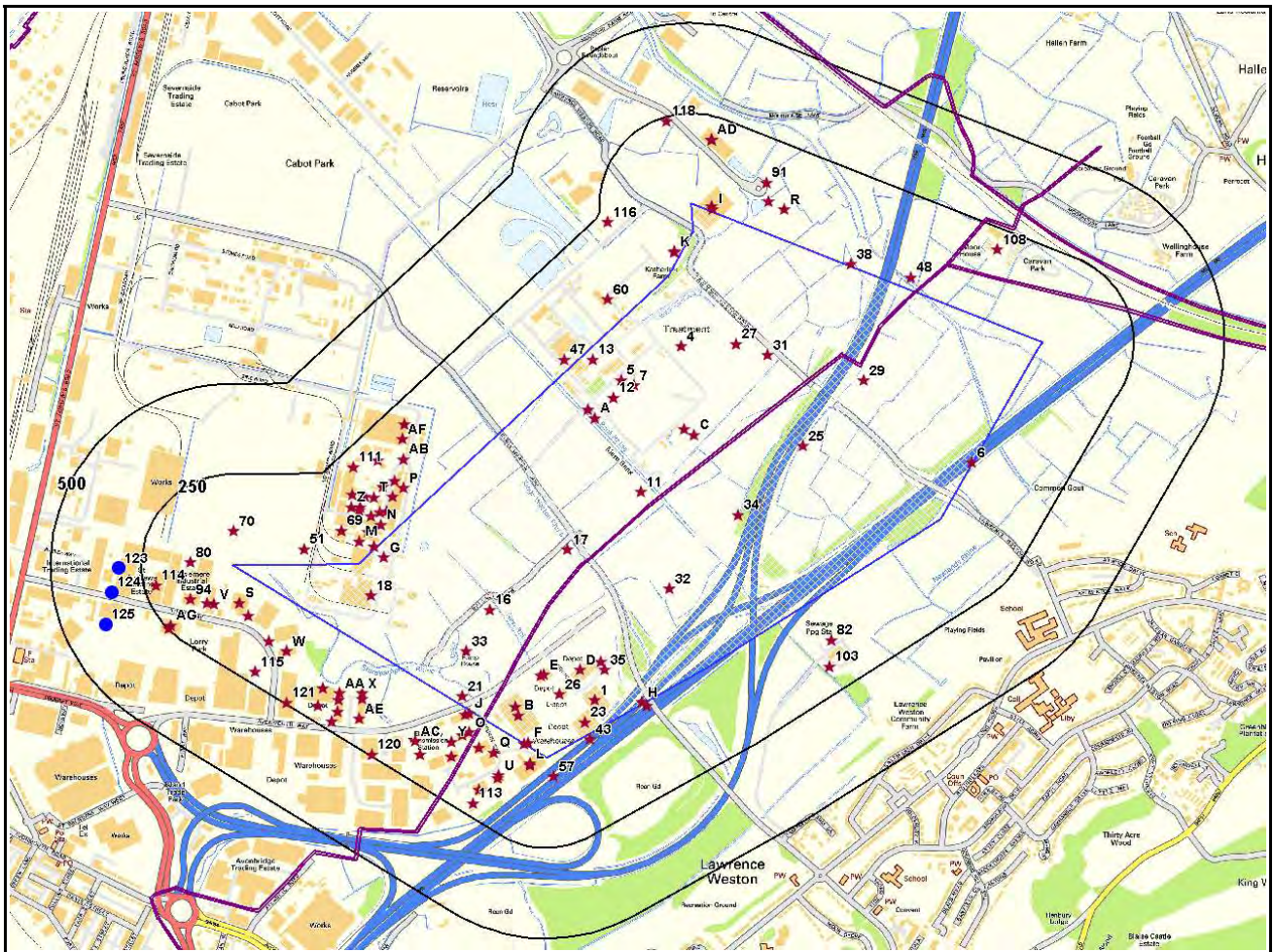
W

E

SW

S
↓

SE



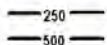
Current Land Use Legend



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Site Outline



Search Buffers (m)



Current Industrial Sites



Petrol & Fuel Sites



Underground High Pressure Oil & Fuel Pipelines

4. Current Land Uses

4.1 Current Industrial Data

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

122

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

ID	Distance [m]	Direction	Company	Address	Activity	Category
1	0.0	On Site	Davies Turner & Co Ltd	Western Freight Terminal, Fifth Way, Bristol, BS11 8DT	Distribution and Haulage	Transport, Storage and Delivery
2F	0.0	On Site	Tank	BS11	Tanks (Generic)	Industrial Features
3A	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
4	0.0	On Site	Sewage Treatment Works	BS11	Waste Storage, Processing and Disposal	Infrastructure and Facilities
5	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
6	0.0	On Site	Gantry	BS11	Travelling Cranes and Gantries	Industrial Features
7	0.0	On Site	Tank	BS11	Tanks (Generic)	Industrial Features
8 C	0.0	On Site	Pylon	BS11	Electrical Features	Infrastructure and Facilities
9B	0.0	On Site	Warehouse	BS11	Container and Storage	Transport, Storage and Delivery
10 A	0.0	On Site	Pumping House	BS11	Water Pumping Stations	Industrial Features
11	0.0	On Site	Pylon	BS11	Electrical Features	Infrastructure and Facilities
12	0.0	On Site	Sewage Treatment Works	BS11	Waste Storage, Processing and Disposal	Infrastructure and Facilities
13	0.0	On Site	Tank	BS11	Tanks (Generic)	Industrial Features
14 B	0.0	On Site	Nisbets Plc	Fourth Way, Bristol, BS11 8TB	Food and Beverage Industry Machinery	Industrial Products
15 C	0.0	On Site	Sludge Bed	BS11	Waste Storage, Processing and Disposal	Infrastructure and Facilities
16	0.0	On Site	Pylon	BS11	Electrical Features	Infrastructure and Facilities
17	0.0	On Site	Pylon	BS11	Electrical Features	Infrastructure and Facilities
18	0.0	On Site	Tanks	BS11	Tanks (Generic)	Industrial Features
19 D	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery
20 D	0.0	On Site	Pylon	BS11	Electrical Features	Infrastructure and Facilities
21	0.0	On Site	Pylon	BS11	Electrical Features	Infrastructure and Facilities
22 E	0.0	On Site	Renault Trucks Southwest	Fifth Way, Bristol, BS11 8DT	New Vehicles	Motoring
23	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery
24 G	0.0	On Site	Tanks	BS11	Tanks (Generic)	Industrial Features
25	0.0	On Site	Pylon	BS10	Electrical Features	Infrastructure and Facilities
26	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery

Report Reference: HMD-441-912071

27	0.0	On Site	Tank	BS11	Tanks (Generic)	Industrial Features
28 E	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery
29	0.0	On Site	Pylon	BS10	Electrical Features	Infrastructure and Facilities
30 H	0.0	On Site	Gantry	BS11	Travelling Cranes and Gantries	Industrial Features
31	0.0	On Site	Pylon	BS11	Electrical Features	Infrastructure and Facilities
32	0.0	On Site	Pylon	BS11	Electrical Features	Infrastructure and Facilities
33	0.0	On Site	Pumping House	BS11	Water Pumping Stations	Industrial Features
34	0.0	On Site	Pylon	BS11	Electrical Features	Infrastructure and Facilities
35	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
36 F	1.0	SW	Pylon	BS11	Electrical Features	Infrastructure and Facilities
37 G	6.0	NW	Tanks	BS11	Tanks (Generic)	Industrial Features
38	7.0	N	Pylon	BS10	Electrical Features	Infrastructure and Facilities
39 J	8.0	SW	G R Fasteners & Engineering Supplies Ltd	Unit 6/A The Polygon, Fourth Way, Bristol, BS11 8DP	General Construction Supplies	Industrial Products
40 I	9.0	N	K N Drinks Logistics	11, Poplar Way East, Bristol, BS11 0YH	Distribution and Haulage	Transport, Storage and Delivery
41 H	11.0	SE	Gantry	BS11	Travelling Cranes and Gantries	Industrial Features
42 I	14.0	N	Depot	BS11	Container and Storage	Transport, Storage and Delivery
43	16.0	SE	Gantry	BS11	Travelling Cranes and Gantries	Industrial Features
44 J	17.0	SW	Plant-ex Ingredients Ltd	Unit 5 The Polygon, Fourth Way, Bristol, BS11 8DP	Catering and Non Specific Food Products	Foodstuffs
45 K	18.0	NW	Works	BS11	Unspecified Works Or Factories	Industrial Features
46 K	18.0	NW	Sewage Treatment Works	BS11	Waste Storage, Processing and Disposal	Infrastructure and Facilities
47	27.0	NW	Chimney	BS11	Chimneys	Industrial Features
48	33.0	N	Pylon	BS10	Electrical Features	Infrastructure and Facilities
49 N	38.0	NW	Conveyor	BS11	Conveyors	Industrial Features
50 L	40.0	SW	R B Uropa	Fourth Way, Bristol, BS11 8DW	Distribution and Haulage	Transport, Storage and Delivery
51	42.0	N	Slag Heap	BS11	Refuse Disposal Facilities	Infrastructure and Facilities
52 L	43.0	SW	Warehouse	BS11	Container and Storage	Transport, Storage and Delivery
53 M	45.0	NW	Tanks	BS11	Tanks (Generic)	Industrial Features
54 M	47.0	NW	Conveyors	BS11	Conveyors	Industrial Features
55 O	54.0	SW	Arrow Radiators Avonmouth Ltd	Unit 10 The Polygon, Fourth Way, Bristol, BS11 8DP	Vehicle Repair, Testing and Servicing	Repair and Servicing
56 N	55.0	NW	Conveyor	BS11	Conveyors	Industrial Features
57	57.0	S	Gantry	BS11	Travelling Cranes and Gantries	Industrial Features
58 Q	65.0	SW	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
59 N	66.0	NW	Conveyor	BS11	Conveyors	Industrial Features

60	66.0	NW	Sewage Treatment Works	BS11	Waste Storage, Processing and Disposal	Infrastructure and Facilities
61 O	70.0	SW	Poolec Automotive Products Ltd	Unit 8 The Polygon, Fourth Way, Bristol, BS11 8DP	Vehicle Repair, Testing and Servicing	Repair and Servicing
62 P	70.0	NW	Conveyor	BS11	Conveyors	Industrial Features
63 P	74.0	NW	Conveyor	BS11	Conveyors	Industrial Features
64 N	75.0	NW	Tanks	BS11	Tanks (Generic)	Industrial Features
65 Q	76.0	SW	Sanoh UK Manufacture Ltd	Grandeur Point, Fourth Way, Bristol, BS11 8DL	Vehicle Components	Industrial Products
66 R	79.0	N	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
67 S	81.0	SW	Depot	BS11	Container and Storage	Transport, Storage and Delivery
68 R	84.0	N	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
69	92.0	N	Conveyor	BS11	Conveyors	Industrial Features
70	94.0	N	Slag Heap	BS11	Refuse Disposal Facilities	Infrastructure and Facilities
71 S	97.0	SW	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
72 P	100.0	NW	Conveyor	BS11	Conveyors	Industrial Features
73 Y	101.0	SW	Pylon	BS11	Electrical Features	Infrastructure and Facilities
74 T	106.0	NW	Tanks	BS11	Tanks (Generic)	Industrial Features
75 T	107.0	NW	Tanks	BS11	Tanks (Generic)	Industrial Features
76 T	112.0	NW	Tank	BS11	Tanks (Generic)	Industrial Features
77 T	112.0	NW	Tanks	BS11	Tanks (Generic)	Industrial Features
78 U	112.0	SW	BP Gas	Fourth Way, Bristol, BS11 8DL	Fuel Distributors and Suppliers	Household, Office, Leisure and Garden
79 X	116.0	SW	Gledhill Building Products Ltd	Unit 6, Willment Way, Bristol, BS11 8DJ	Metals Manufacturers, Fabricators and Stockholders	Industrial Products
80	118.0	W	Haslemere Industrial Estate	BS11	Business Parks and Industrial Estates	Industrial Features
81 U	120.0	SW	Warehouse	BS11	Container and Storage	Transport, Storage and Delivery
82	121.0	SE	Sewage Pumping Station	BS11	Waste Storage, Processing and Disposal	Infrastructure and Facilities
83 V	121.0	SW	Depot	BS11	Container and Storage	Transport, Storage and Delivery
84 T	124.0	NW	Tanks	BS11	Tanks (Generic)	Industrial Features
85 W	127.0	SW	Depot	BS11	Container and Storage	Transport, Storage and Delivery
86 V	127.0	SW	Kings Heavy Haulage Bristol Ltd	Third Way, Avonmouth, Bristol, BS11 9YS	Distribution and Haulage	Transport, Storage and Delivery
87 W	128.0	SW	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
88 Z	128.0	NW	Tank	BS11	Tanks (Generic)	Industrial Features
89 A B	129.0	NW	Conveyor	BS11	Conveyors	Industrial Features
90 X	130.0	SW	Marshall Fleet Solutions Ltd	Unit 7-8, Willment Way, Bristol, BS11 8DJ	Electrical Equipment Repair and Servicing	Repair and Servicing
91	130.0	N	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities

92 Y	136.0	SW	A & M Motors	Fourth Way, Bristol, BS11 8DX	Vehicle Repair, Testing and Servicing	Repair and Servicing
93 A A	148.0	SW	Horizon Mechanical Services International Ltd	Unit 1, Willment Way, Bristol, BS11 8DJ	Cooling and Refrigeration	Industrial Products
94	151.0	SW	B M Foods Ltd	Third Way, Avonmouth, Bristol, BS11 9YS	Fish, Meat and Poultry Products	Foodstuffs
95 Z	151.0	NW	Tank	BS11	Tanks (Generic)	Industrial Features
96 A C	153.0	SW	Electricity Switching Station	BS11	Electrical Features	Infrastructure and Facilities
97 A A	161.0	SW	Depot	BS11	Container and Storage	Transport, Storage and Delivery
98 A A	164.0	SW	Cory Brothers Shipping Agency	Unit 2, Willment Way, Bristol, BS11 8DJ	Distribution and Haulage	Transport, Storage and Delivery
99 AF	171.0	NW	Conveyor	BS11	Conveyors	Industrial Features
10 0A B	172.0	NW	Tanks	BS11	Tanks (Generic)	Industrial Features
10 1 U	175.0	SW	Bristol & West Vehicle Hire	Fourth Way, Bristol, BS11 8DL	Vehicle Hire and Rental	Hire Services
10 2A C	177.0	SW	Pylon	BS11	Electrical Features	Infrastructure and Facilities
10 3	179.0	SE	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
10 4A E	180.0	SW	Truckforce	Unit 10, Willment Way, Bristol, BS11 8DJ	Vehicle Parts and Accessories	Motoring
10 5A D	186.0	N	Honda UK Plot 33	Cabot Park, Poplar Way West, Bristol, BS11 0YW	Vehicle Repair, Testing and Servicing	Repair and Servicing
10 6A D	186.0	N	Bristol Street Commercial	Cabot Park, Poplar Way West, Bristol, BS11 0YW	New Vehicles	Motoring
10 7A D	186.0	N	Robert Wiseman Dairies	Cabot Park, Poplar Way West, Bristol, BS11 0YW	Dairy Farming	Farming
10 8	193.0	N	Monterey Industries	Moorhouse, Moorhouse Lane, Hallen, Bristol, BS10 7RU	Vehicles	Industrial Products
10 9A E	194.0	SW	ATS Euromaster Ltd	Unit 3-5, Willment Way, Bristol, BS11 8DJ	Vehicle Parts and Accessories	Motoring
11 0A F	196.0	NW	Conveyor	BS11	Conveyors	Industrial Features
11 1	206.0	NW	Tanks	BS11	Tanks (Generic)	Industrial Features
11 2A A	209.0	SW	Depot	BS11	Container and Storage	Transport, Storage and Delivery
11 3	215.0	SW	Depot	BS11	Container and Storage	Transport, Storage and Delivery
11 4	218.0	W	Elliot Baxter & Co Ltd	Unit 14-15 St. Andrews Trading Estate, Third Way, Avonmouth, Bristol, BS11 9YE	Wood Products Including Charcoal, Paper, Card and Board	Industrial Products
11 5	219.0	SW	Tank	BS11	Tanks (Generic)	Industrial Features
11 6	220.0	NW	Bristol City Council Avonmouth Refuse Transfer Station	Avonmouth Refuse Transfer Station, Kings Weston Lane, Bristol, BS11 0YS	Recycling, Reclamation and Disposal	Recycling Services
11 7A E	225.0	SW	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
11 8	238.0	N	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
11 9A G	240.0	SW	M A N Bristol Ltd	Third Way, Avonmouth, Bristol, BS11 9YS	Industrial Repairs and Servicing	Repair and Servicing
12 0	246.0	SW	Johnston Sweepers Ltd	Unit 5, Lescren Way, Bristol, BS11 8DG	Vehicle Repair, Testing and Servicing	Repair and Servicing

12 1	247.0	SW	Warehouse	BS11	Container and Storage	Transport, Storage and Delivery
12 2A G	250.0	SW	Depot	BS11	Container and Storage	Transport, Storage and Delivery

4.2 Petrol and Fuel Sites

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

3

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

ID	Distance [m]	Direction	NGR	Company	Address	LPG	Status
12 3	315.0	W	352001, 178836	Obsolete	Afs Garages, St Andrews Road, St Andrews Road, Avonmouth, Bristol, Bristol, BS11 9HQ	Not Applicable	Obsolete
12 4	343.0	W	351982, 178769	Unbranded	The Avon Lodge Truckstop, Third Way, Third Way, Avonmouth, Bristol, Bristol, BS11 9YP	Not Applicable	Non-Retail
12 5	386.0	SW	351967, 178680	Obsolete	Bristol Port Service Station, St Andrews Road, St Andrews Road, Avonmouth, Bristol, Bristol, BS11 9HQ	Not Applicable	Obsolete

4.3 Underground High Pressure Oil and Gas Pipelines

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

4

The following Underground High Pressure Oil and Gas pipeline records provided by Linewatch are represented as linear features on the Current Land Use map:

ID	Distance [m]	Direction	Address	Operator	Telephone
126	0.0	On Site	GPSS, PO Box 7273, Ashby De La Zouch, LE65 2BY	GPSS Aldermaston pipelines	0845 070 1245
127	99.0	N	GPSS, PO Box 7273, Ashby De La Zouch, LE65 2BY	GPSS Aldermaston pipelines	0845 070 1245
128	268.0	NE	GPSS, PO Box 7273, Ashby De La Zouch, LE65 2BY	GPSS Aldermaston pipelines	0845 070 1245
129	428.0	N	GPSS, PO Box 7273, Ashby De La Zouch, LE65 2BY	GPSS Aldermaston pipelines	0845 070 1245

5. Geology

5.1 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
WGR-OPEN	WORKED GROUND (UNDIVIDED)	VOID
WGR-OPEN	WORKED GROUND (UNDIVIDED)	VOID
MGR-MGRD	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
MGR-MGRD	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

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

5.2 Superficial Ground and Drift Geology

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

Lex Code	Description	Rock Type
TFD-CLSI	TIDAL FLAT DEPOSITS	CLAY AND SILT

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

5.3 Bedrock and Solid Geology

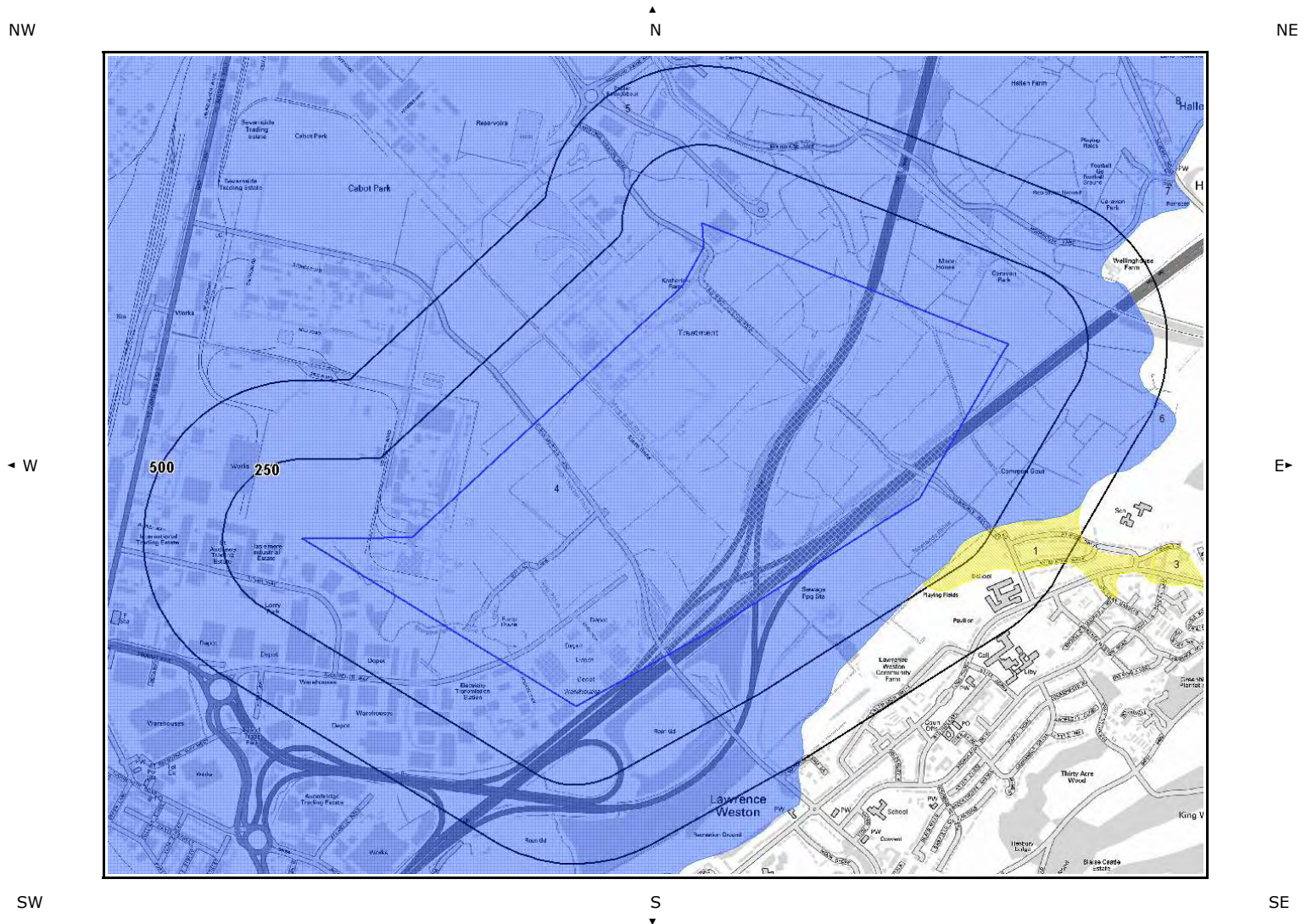
The database has been searched on site, including a 50m buffer.

LEX Code	Description	Rock Type
MMG-MDHA	MERCIA MUDSTONE GROUP	MUDSTONE AND HALITE-STONE

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

For more detailed geological and ground stability data please refer to the "GroundSure Geology and Ground Stability Report". Available from our website.

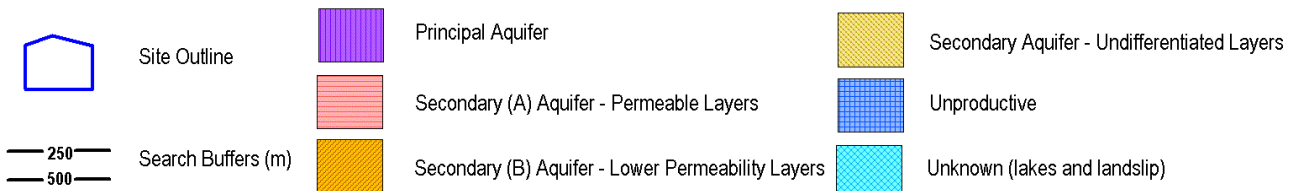
6a. Hydrogeology - Aquifer Within Superficial Geology



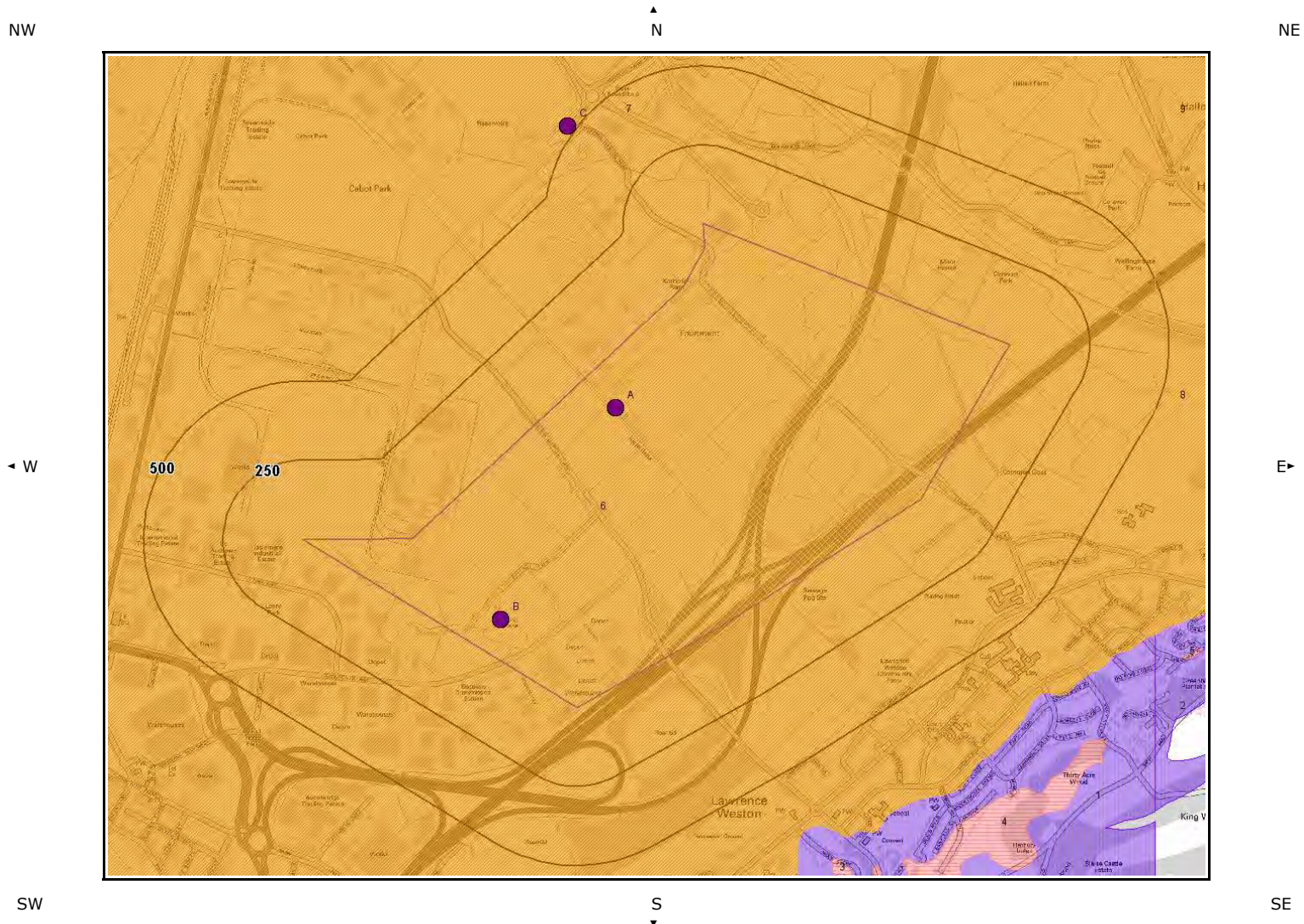
Aquifer Within Superficial Geology Legend

Mapping sourced from
OS Ordnance Survey

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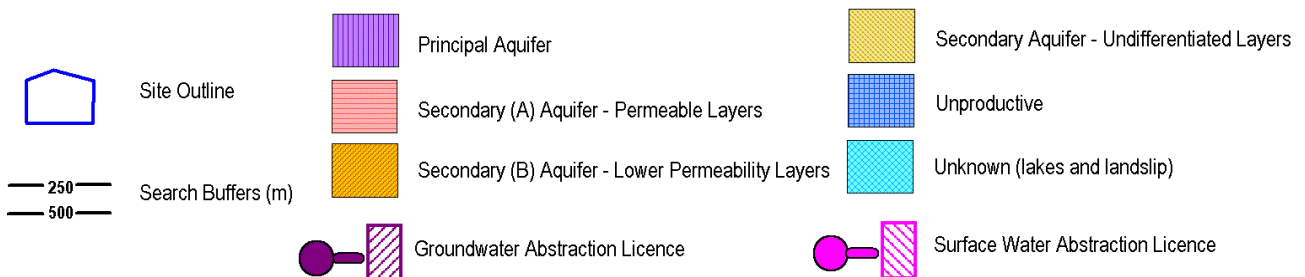
6b. Hydrogeology - Aquifer Within Bedrock Geology and Abstraction Licenses



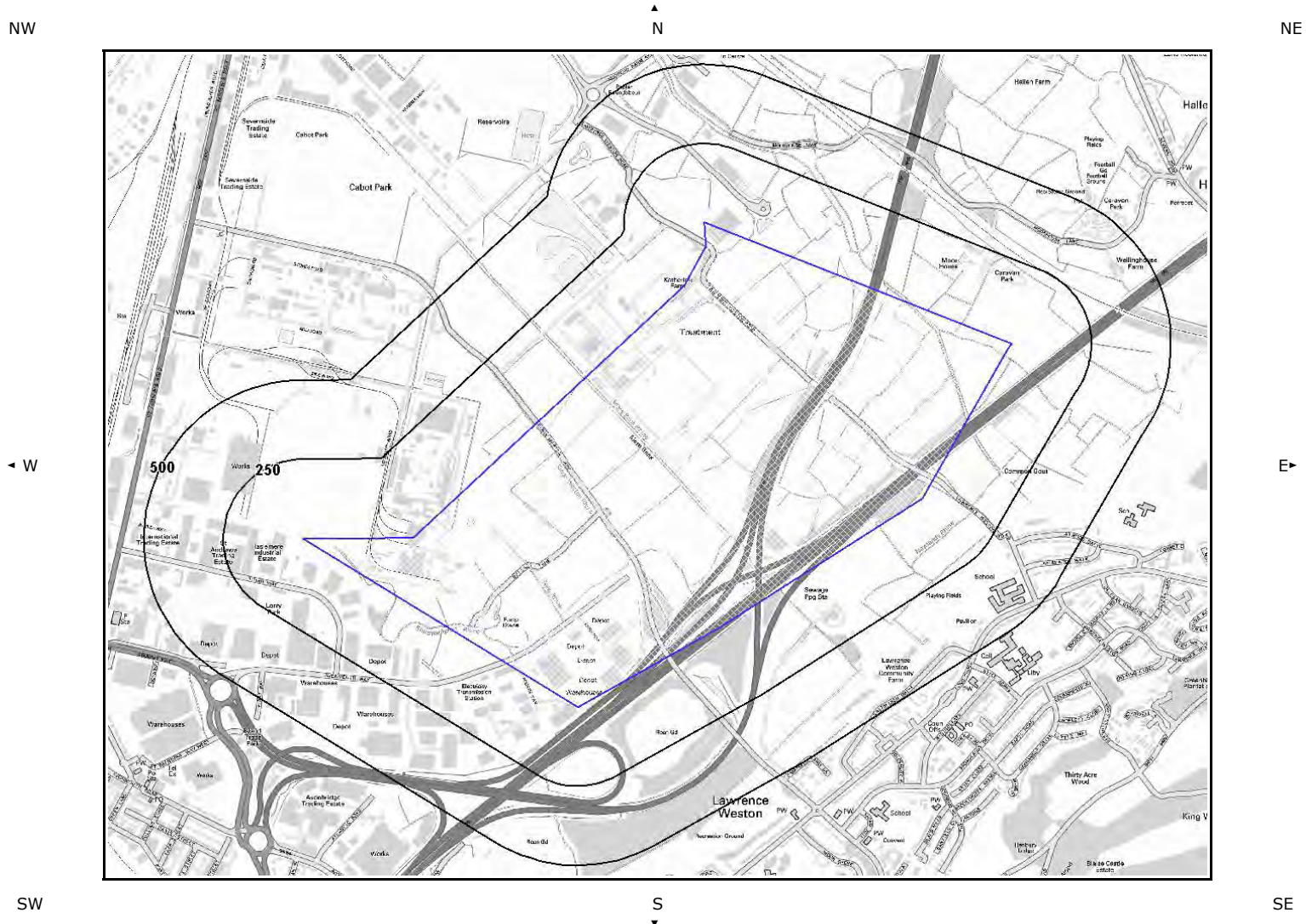
Aquifer Within Bedrock Geology Legend

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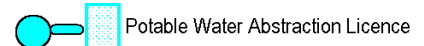
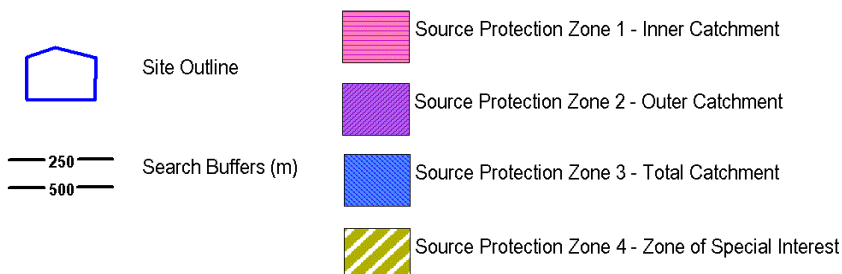
6c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licenses



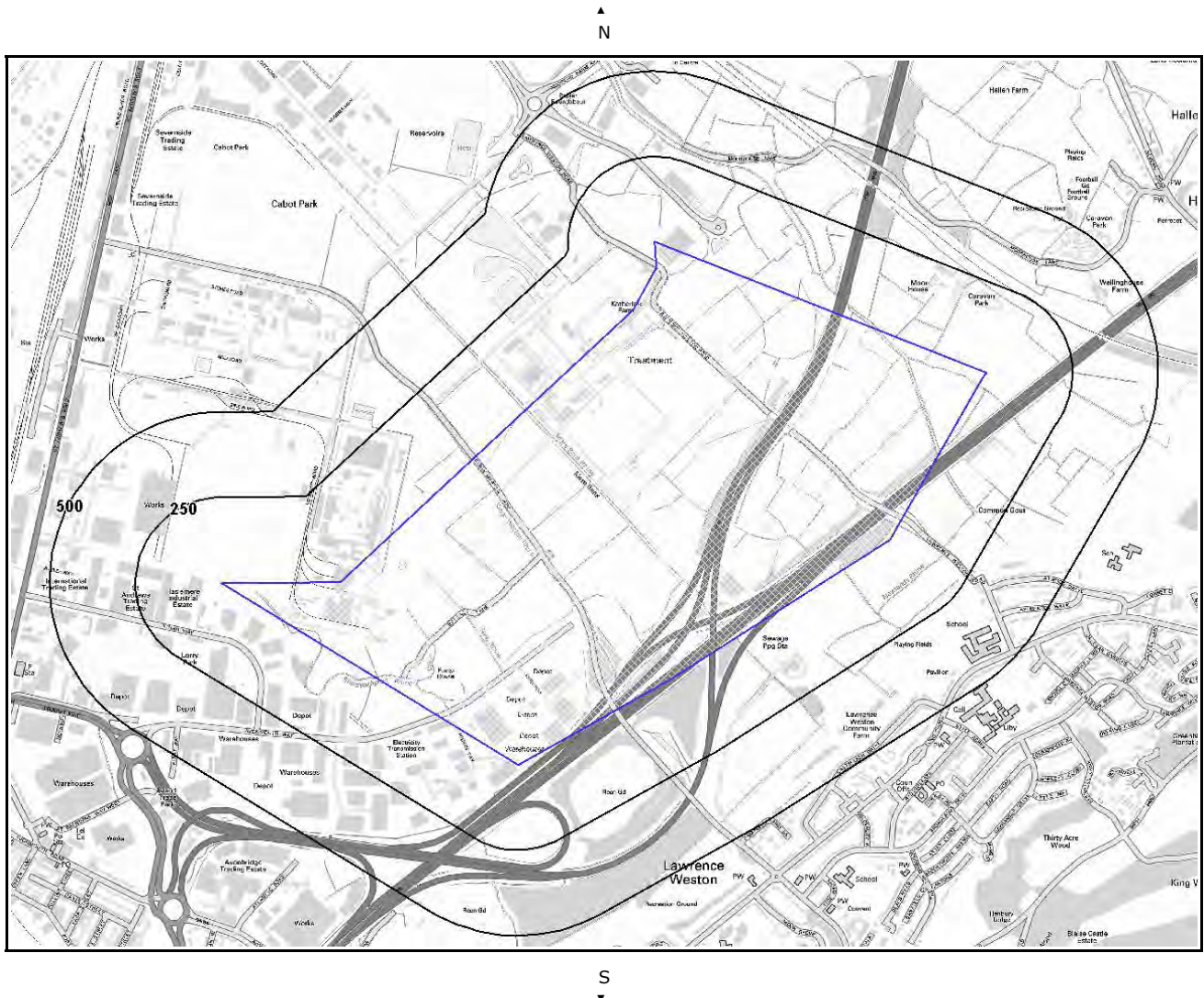
SPZ and Potable Water Abstraction Licenses
Legend



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6d. Hydrology – Detailed River Network and River Quality



Hydrology Legend



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6. Hydrogeology and Hydrology

6.1 Aquifer within Superficial Deposits

Are there records of productive strata 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
4	0.0	On Site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
5	158.0	N	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
1	196.0	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
6	483.0	E	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

6.2 Aquifer within Bedrock Deposits

Are there records of productive strata 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
6	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
7	158.0	N	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
8	456.0	E	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

6.3 Groundwater Abstraction Licences

Are there any Groundwater Abstraction Licences within 1000m 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	Direction	NGR	Details	
10A	0.0	On Site	353300, 179260	Licence No: 18/54/020/G/130 Details: Non-Evaporative Cooling Direct Source: Ground Water - Fresh Point: Merebank (borehole No 6) Data Type: Point	Annual Volume (m³): 716826 Max Daily Volume (m³): 1963.91 Original Application No: - Original Start Date: 8/7/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/1/2005 Version End Date:
11A	0.0	On Site	353300, 179260	Licence No: 18/54/020/G/130 Details: Process Water Direct Source: Ground Water - Fresh Point: Merebank (borehole No 6) Data Type: Point	Annual Volume (m³): 716826 Max Daily Volume (m³): 1963.91 Original Application No: - Original Start Date: 8/7/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/1/2005 Version End Date:
12B	0.0	On Site	352940, 178590	Licence No: 18/54/020/G/131 Details: Non-Evaporative Cooling Direct Source: Ground Water - Fresh Point: Ballast Lane (borehole No 7) Data Type: Point	Annual Volume (m³): 1274360 Max Daily Volume (m³): 3491.4 Original Application No: - Original Start Date: 8/7/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/1/2005 Version End Date:
13B	0.0	On Site	352940, 178590	Licence No: 18/54/020/G/131 Details: Process Water Direct Source: Ground Water - Fresh Point: Ballast Lane (borehole No 7) Data Type: Point	Annual Volume (m³): 1274360 Max Daily Volume (m³): 3491.4 Original Application No: - Original Start Date: 8/7/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/1/2005 Version End Date:
14C	526.0	NW	353150, 180150	Licence No: 18/54/020/G/132 Details: Process Water Direct Source: Ground Water - Fresh Point: Madam Farm (borehole No 9) Data Type: Point	Annual Volume (m³): 398236 Max Daily Volume (m³): 1091.06 Original Application No: - Original Start Date: 8/7/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/1/2005 Version End Date:
15C	526.0	NW	353150, 180150	Licence No: 18/54/020/G/132 Details: Non-Evaporative Cooling Direct Source: Ground Water - Fresh Point: Madam Farm (borehole No 9) Data Type: Point	Annual Volume (m³): 398236 Max Daily Volume (m³): 1091.06 Original Application No: - Original Start Date: 8/7/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/1/2005 Version End Date:
Not shown	715.0	S	353150, 177600	Licence No: 18/54/020/G/129 Details: Non-Evaporative Cooling Direct Source: Ground Water - Fresh Point: Pen Pole - Borehole 2 Data Type: Point	Annual Volume (m³): 1094998 Max Daily Volume (m³): 3000 Original Application No: - Original Start Date: 8/7/1966 Expiry Date: - Issue No: 102 Version Start Date: 19/3/2008 Version End Date:
Not shown	715.0	S	353150, 177600	Licence No: 18/54/020/G/129 Details: Process Water Direct Source: Ground Water - Fresh Point: Pen Pole - Borehole 2 Data Type: Point	Annual Volume (m³): 1094998 Max Daily Volume (m³): 3000 Original Application No: - Original Start Date: 8/7/1966 Expiry Date: - Issue No: 102 Version Start Date: 19/3/2008 Version End Date:
Not shown	718.0	S	353040, 177610	Licence No: 18/54/020/G/129 Details: Non-Evaporative Cooling Direct Source: Ground Water - Fresh Point: Pen Pole - Borehole 1 Data Type: Point	Annual Volume (m³): 1513302 Max Daily Volume (m³): 4146.04 Original Application No: - Original Start Date: 8/7/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/1/2005 Version End Date:

Not shown	718.0	S	353040, 177610	Licence No: 18/54/020/G/129 Details: Process Water Direct Source: Ground Water - Fresh Point: Pen Pole - Borehole 1 Data Type: Point	Annual Volume (m ³): 1513302 Max Daily Volume (m ³): 4146.04 Original Application No: - Original Start Date: 8/7/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/1/2005 Version End Date:
Not shown	750.0	S	352950, 177600	Licence No: 18/54/020/G/129 Details: Non-Evaporative Cooling Direct Source: Ground Water - Fresh Point: Pen Pole - Borehole 3 Data Type: Point	Annual Volume (m ³): 1513302 Max Daily Volume (m ³): 4146.04 Original Application No: - Original Start Date: 8/7/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/1/2005 Version End Date:
Not shown	750.0	S	352950, 177600	Licence No: 18/54/020/G/129 Details: Process Water Direct Source: Ground Water - Fresh Point: Pen Pole - Borehole 3 Data Type: Point	Annual Volume (m ³): 1513302 Max Daily Volume (m ³): 4146.04 Original Application No: - Original Start Date: 8/7/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/1/2005 Version End Date:

6.4 Surface Water Abstraction Licences

Are there any Surface Water Abstraction Licences within 1000m of the study site?

No

Database searched and no data found.

6.5 Potable Water Abstraction Licences

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

No

Database searched and no data found.

6.6 Source Protection Zones

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

No

Database searched and no data found.

6.7 River Quality

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

No

Biological Quality:

Database searched and no data found.

Chemical Quality:

Report Reference: HMD-441-912071

Database searched and no data found.

6.8 Detailed River Network

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

No

Database searched and no data found.

6.9 Surface Water Features

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

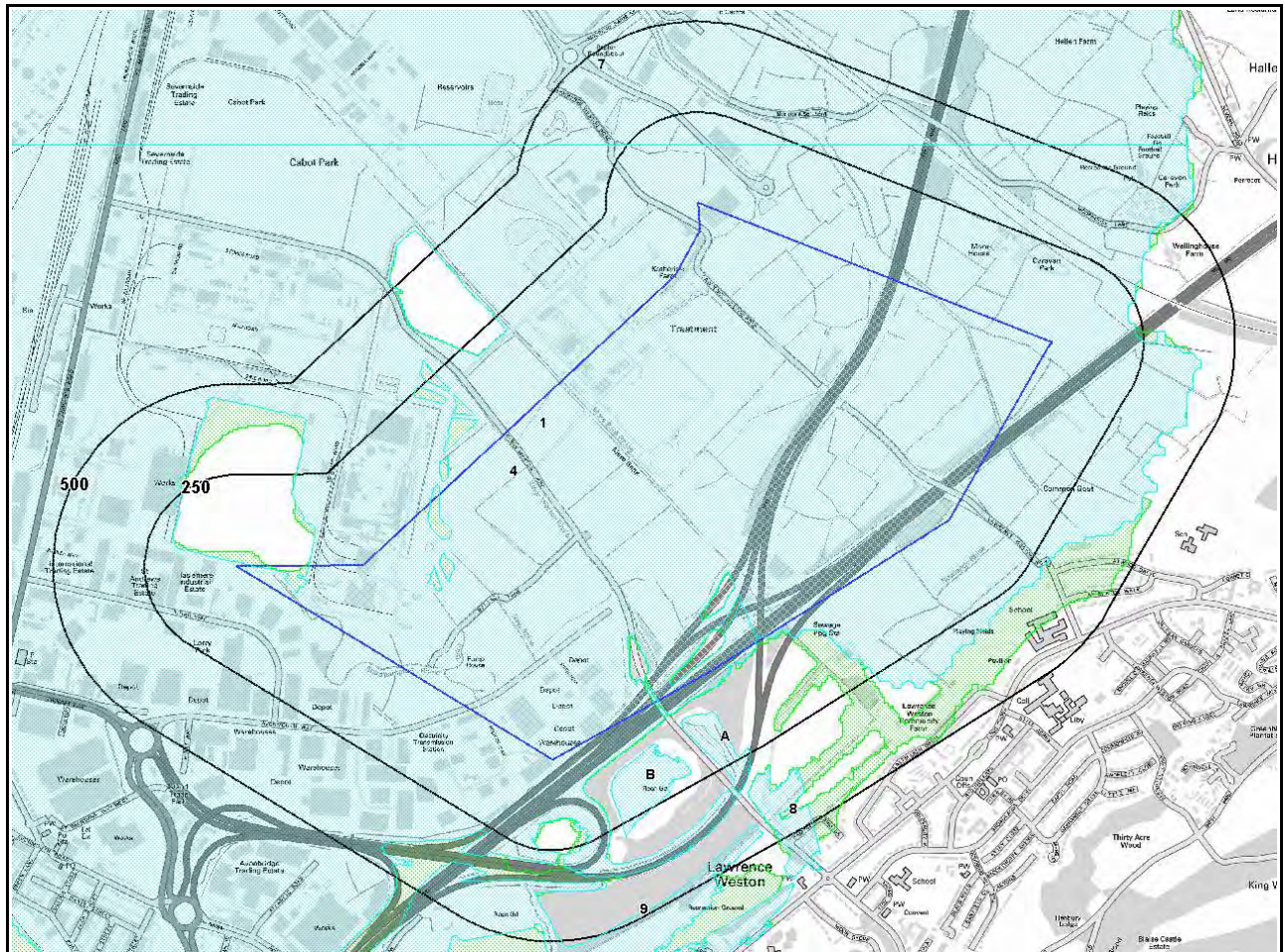
Yes

The following surface water records are not represented on mapping:

Distance to Surface Water (m)	on-site	0-50	51-250
Surface water features within 250m of the study site	Yes	Yes	Yes

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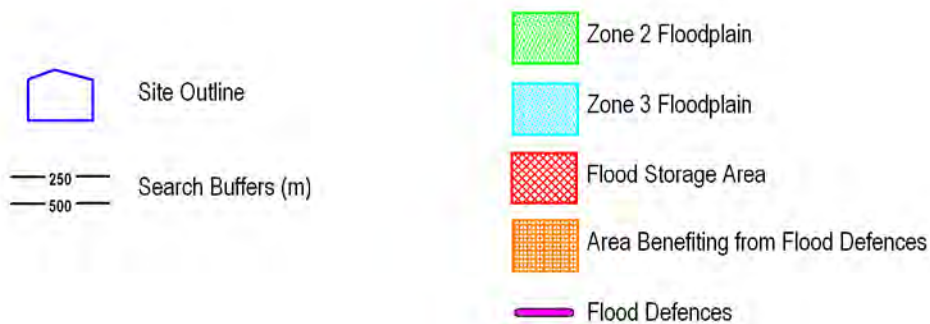
7. Surface Water Flood Map



Surface Water Flood Legend

Mapping sourced from **Ordnance Survey**

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7. Flooding

7.1 Zone 2 Flooding

Zone 2 floodplain estimates the annual probability of flooding as one in one thousand (0.1%) or greater from rivers and the sea but less than 1% from rivers or 0.5% from the sea. Alternatively, where information is available they may show the highest known flood level.

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

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

ID	Distance [m]	Direction	Update	Type
1	0.0	On Site	13-Mar-2013	Zone 2 - (Tidal Models)
2A	78.0	SE	13-Mar-2013	Zone 2 - (Tidal Models)
3B	98.0	SE	13-Mar-2013	Zone 2 - (Tidal Models)

7.2 Zone 3 Flooding

Zone 3 estimates the annual probability of flooding as one in one hundred (1%) or greater from rivers and a one in two hundred (0.5%) or greater from the sea. Alternatively, where information is available they may show the highest known flood level.

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

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

ID	Distance [m]	Direction	Update	Type
4	0.0	On Site	13-Mar-2013	Zone 3 - (Tidal Models)
5A	78.0	SE	13-Mar-2013	Zone 3 - (Tidal Models)
6B	98.0	SE	13-Mar-2013	Zone 3 - (Tidal Models)
7	160.0	N	13-Mar-2013	Zone 3 - (Tidal Models)

7.3 Flood Defences

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

7.4 Areas benefiting from Flood Defences

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

7.5 Areas used for Flood Storage

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

No

7.6 Groundwater Flooding Susceptibility Areas

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

Yes

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

Very High

Guidance:

Where very high susceptibility 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.

7.7 Groundwater Flooding Confidence Areas

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

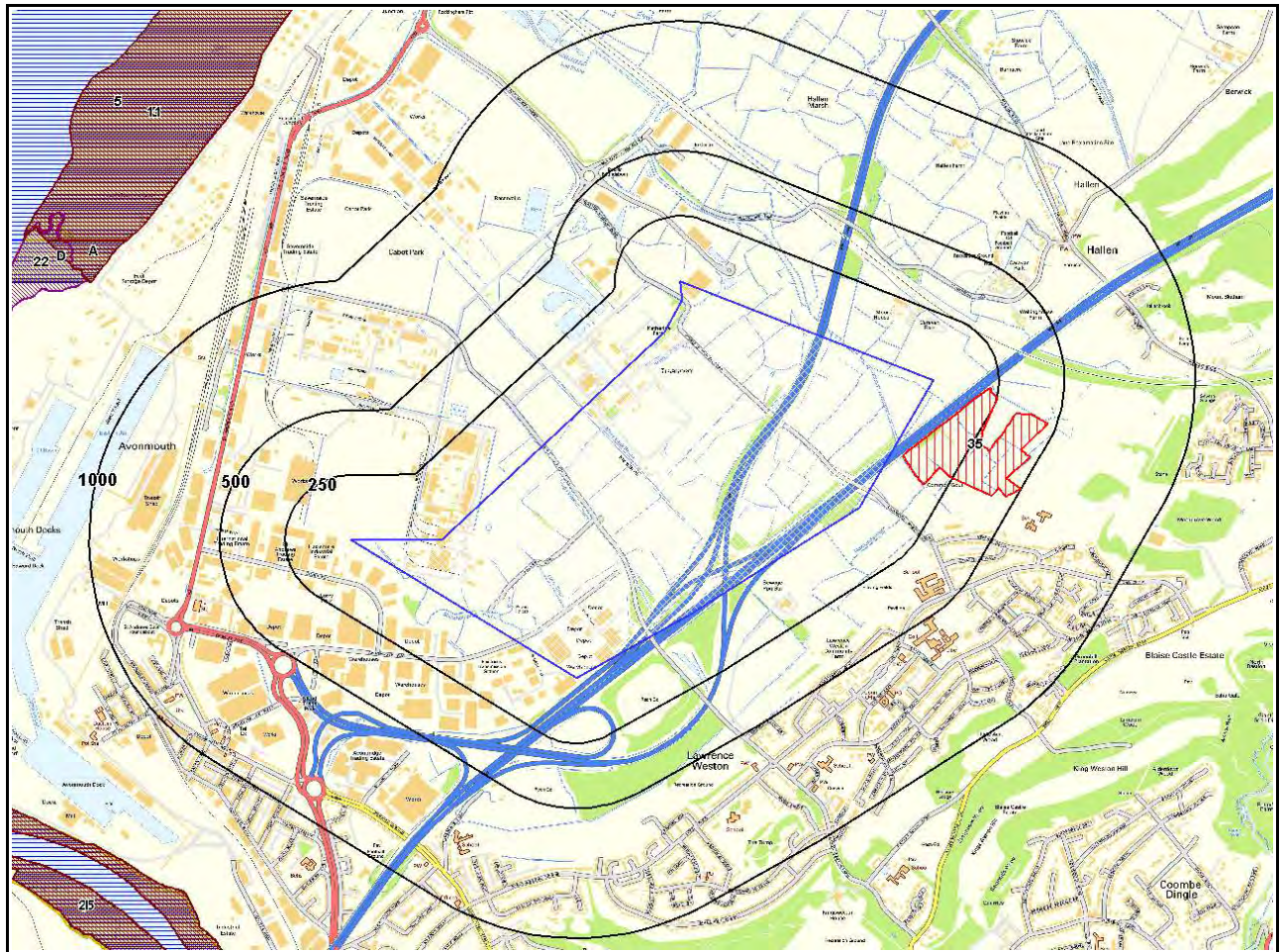
High

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.

8.Designated Environmentally Sensitive Sites Map



Designated Environmentally Sensitive Sites Legend

Mapping sourced from **OS Ordnance Survey**

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8.Designated Environmentally Sensitive Sites

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

Records of Sites of Special Scientific Interest (SSSI) within 2000m of the study site: **6**

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
21A	1403.0	NW	Severn Estuary	Natural England
22	1406.0	NW	Severn Estuary	Natural England
23G	1437.0	NW	Severn Estuary	Natural England
24H	1487.0	SW	Severn Estuary	Natural England
25	1670.0	SW	Severn Estuary	Natural England
Not shown	1733.0	SE	Horseshoe Bend, Shirehampton	Natural England

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

Database searched and no data found.

Records of Special Areas of Conservation (SAC) within 2000m of the study site: **8**

The following Special Area of Conservation (SAC) 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	SAC Name	Data Source
1A	1403.0	NW	Severn Estuary / Môr Hafren	Countryside Council for Wales
2A	1403.0	NW	Severn Estuary	Natural England
3B	1406.0	NW	Severn Estuary / Môr Hafren	Countryside Council for Wales
4B	1406.0	NW	Severn Estuary	Natural England
5	1437.0	NW	Severn Estuary	Natural England
6	1437.0	NW	Severn Estuary / Môr Hafren	Countryside Council for Wales
7C	1598.0	NW	Severn Estuary	Natural England
8C	1598.0	NW	Severn Estuary / Môr Hafren	Countryside Council for Wales

Records of Special Protection Areas (SPA) within 2000m of the study site: **12**

The following Special Protection Area (SPA) 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	SPA Name	Data Source
9D	1403.0	NW	Severn Estuary	Natural England
10D	1403.0	NW	Severn Estuary(England)	Countryside Council for Wales
11	1437.0	NW	Severn Estuary	Natural England
12G	1437.0	NW	Severn Estuary(England)	Countryside Council for Wales
13E	1487.0	SW	Severn Estuary	Natural England
14E	1498.0	SW	Severn Estuary(England)	Countryside Council for Wales
15F	1670.0	SW	Severn Estuary	Natural England
16F	1670.0	SW	Severn Estuary(England)	Countryside Council for Wales
Not shown	1729.0	SW	Severn Estuary	Natural England
Not shown	1732.0	SW	Severn Estuary(England)	Countryside Council for Wales

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Not shown	1865.0	SW	Severn Estuary(England)	Countryside Council for Wales
Not shown	1865.0	SW	Severn Estuary	Natural England

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

8

The following Ramsar site 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	Ramsar Site Name	Data Source
27A	1402.0	NW	Severn Estuary	Natural England
28A	1402.0	NW	Severn Estuary (England)	CCW
29G	1437.0	NW	Severn Estuary	Natural England
30G	1437.0	NW	Severn Estuary (England)	CCW
31H	1487.0	SW	Severn Estuary	Natural England
32H	1487.0	SW	Severn Estuary (England)	CCW
33I	1670.0	SW	Severn Estuary	Natural England
34I	1670.0	SW	Severn Estuary (England)	CCW

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

1

The following Local Nature Reserve (LNR) 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	LNR Name	Data Source
35	43.0	SE	Lawrence Western Moor	Natural England

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

9. Additional Information

9.1 Mobile Phone Transmitter Locations

GroundSure's unique mobile phone transmitter database.

Have any mobile phone transmitters been identified within 250m of the study site?

Yes

The following records within 250m have been found within this search:

Distance [m]	Direction	Max Licensed Power	Transmitter Power	Frequency Range	Operator	Height (m)	Transmission Type
0.0	On Site	32	25.0	1800 MHz	One2one	16.0	GSM
152.0	SW	32	20.0	900 MHz	BT Cellnet	16.5	GSM

9.2 Existing and potential OfCom Telecommunication Mast Locations

OfCom telecommunication base station and mast data, which details the height and proposed location of masts over 30 metres in height or with a power level exceeding 17dBW.

Have any OfCom telecommunication masts been identified within 250m of the study site?

Yes

The following records within 250m have been found within this search:

Distance [m]	Direction	OfCom Reference	Address	Approx. Mast Height (m)
0.0	On Site	V(P)9213	Avon, Bristol, Avonmouth, Kingsweston Lane, Waste Water Services	17

9.3 Pylons and Electricity Transmission Lines

Have any overhead transmission lines or pylons been identified in proximity to the study site?

Yes

The following records within 500m have been found within this search:

Distance [m]	Direction
0.0	On Site
0.0	On Site
405.0	N
431.0	N

Guidance: Overhead power transmission lines and/or pylons have been identified in proximity to the study site. Overhead power transmission lines are known to emit electromagnetic fields (EMF). For further information on issues associated with transmission lines you may wish to contact the EMF Unit Public Information Line on 0845 7023270 or visit www.emfs.info. Guidance on electromagnetic fields resulting from transmission and distribution lines can also be found on the Health Protection Agency (HPA) website. GroundSure provide the data for information only and do not make any judgment on the risks or otherwise of EMFs. The database is searched up to 500m.

10. Natural Hazards Findings

10.1 Detailed BGS GeoSure Data

BGS GeoSure Data has been searched to 50m. The data is included in tabular format. If you require further information, please obtain a GroundSure Geology and Ground Stability Report. Available from our website. The following information has been found:

10.1.1 Shrink Swell

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

10.1.2 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.

10.1.3 Soluble Rocks

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

Null - Negligible

Soluble rocks are not present in the search area. No special actions required to avoid problems due to soluble rocks. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with soluble rocks.

10.1.4 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.

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10.1.5 Collapsible Rocks

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

Negligible

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

Hazard

No indicators for collapsible deposits identified. No actions required to avoid problems due to collapsible deposits. No special ground investigation required, or increased construction costs or increased financial risk due to potential problems with collapsible deposits.

10.1.6 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.

10.2 Radon

What is the maximum radon potential at the study site?

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

Is the property in an area where radon protection measures are required for new properties or extensions to existing ones as described in publication BR211 by the Building Research Establishment?

No radon protective measures are necessary

Guidance: The responses given on the level of radon protective measures required are based on a joint radon potential dataset from the Health Protection Agency (HPA) and the British Geological Survey (BGS). No radon protection measures are required.

11. Mining

11.1 Coal Mining

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

No

Database searched and no data found.

11.2 Shallow Mining

What is the hazard of subsidence relating to shallow mining on-site (including a 150m buffer)? Negligible

Guidance: Where negligible potential is indicated, this means that the rocks underlying the area are not likely to have been mined at shallow depth.

11.3 Brine Affected Areas

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

No

Guidance: No Guidance Required.

12. Contacts

GroundSure Helpline

Telephone: 08444 159 000
info@4c.groundsure.com



British Geological Survey (England & Wales)

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

Tel: 08708 506 506
Wessex
Rivers Hse Bridgwater - East Quay, Bridgwater, TA6 4YS
Web: www.environment-agency.gov.uk
Email: enquiries@environment-agency.gov.uk



Health Protection Agency

Chilton, Didcot, Oxon, OX11 0RQ
Tel: 01235 822622 www.hpa.org.uk/radiation
Radon measures and general radon information and
guidance



The Coal Authority

200 Lichfield Lane, Mansfield, Notts NG18 4RG
Tel: 0845 762 6848
DX 716176 Mansfield 5
Web: www.groundstability.com



Ordnance Survey

Romsey Road
Southampton SO16 4GU
Tel: 08456 050505



Local Authority

Authority: Bristol City Council
Phone: 0117 922 2000
Web: www.bristol-city.gov.uk
Address: The Council House, College Green, Bristol, BS1
5TR

Get Mapping PLC

Virginia Villas, High Street, Hartley Witney, Hampshire RG27
8NW
Tel: 01252 845444



CoPSO

The Old Rectory, Church Lane, Thornby, Northants NN6 8SN
Tel: 0871 4237191
(www.copso.org.uk)



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- sets out minimum standards which firms compiling and selling search reports have to meet
- promotes the best practice and quality standards within the industry for the benefit of consumers and property professionals
- enables consumers and property professionals to have confidence in firms which subscribe to the code, their products and services.

By giving you this information, the search firm is confirming that they keep to the principles of the Code. This provides important protection for you.

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- handle complaints speedily and fairly
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- monitor their compliance with the Code

COMPLAINTS

If you have a query or complaint about your search, you should raise it directly with the search firm, and if appropriate ask for any complaint to be considered under their formal internal complaints procedure. If you remain dissatisfied with the firm's final response, after your complaint has been formally considered, or if the firm has exceeded the response timescales, you may refer your complaint for consideration under The Property Ombudsman scheme (TPOs). The Ombudsman can award compensation of up to £5,000 to you if he finds that you have suffered actual loss as a result of your search provider failing to keep to the Code.

Please note that all queries or complaints regarding your search should be directed to your search provider in the first instance, not to TPOs or to the PCCB.

TPOs Contact Details:

The Property Ombudsman scheme
Milford House
43-55 Milford Street
Salisbury
Wiltshire SP1 2BP
Tel: 01722 333306
Fax: 01722 332296
Email: admin@tpos.co.uk

You can get more information about the PCCB from www.propertycodes.org.uk.

PLEASE ASK YOUR SEARCH PROVIDER IF YOU WOULD LIKE A COPY OF THE SEARCH CODE

COMPLAINTS PROCEDURE

If you want to make a complaint, we will:

- Acknowledge it within 5 working days of receipt.
- Normally deal with it fully and provide a final response, in writing, within 20 working days of receipt.
- Keep you informed by letter, telephone or e-mail, as you prefer, if we need more time.
- Provide a final response, in writing, at the latest within 40 working days of receipt.
- Liaise, at your request, with anyone acting formally on your behalf.

Complaints should be sent to: Operations Director, GroundSure Ltd, Lees House, 21 Dyke Road, Brighton, BN1 3FE.
Tel: 08444 159 000. Email: info@4C.groundsure.com

If you are not satisfied with our final response, or if we exceed the response timescales, you may refer the complaint to The Property Ombudsman scheme (TPOs): Tel: 01722 333306, E-mail: admin@tpos.co.uk.

We will co-operate fully with the Ombudsman during an investigation and comply with his final decision.

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.

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“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.

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“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.



RSK STATS Geoconsult Ltd (Bedminster)	GroundSure	HMD-441-912071
Spring Lodge, , 172 Chester Road,	Reference:	
Cheshire,	Your Reference:	312318
Helsby, WA6 0AR	Report Date:	Jun 6, 2013
	Report Delivery	xml
	Method:	
	Client Email:	██████████@rsk.co.uk

GroundSure Data

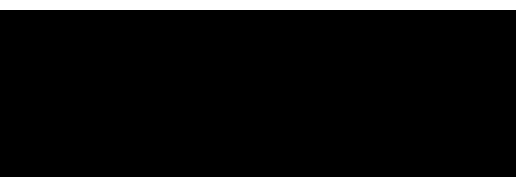
Address: Hinkley C to Seabank grid connection project

Dear Sir/Madam,

Thank you for placing your order with GroundSure. Please find enclosed the GroundSure Data report 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 Data

GroundSure Data

Address: Hinkley C to Seabank grid connection project

Date: Jun 6, 2013

GroundSure Reference: HMD-441-912071

Your Reference: 312318

Client: RSK STATS Geoconsult Ltd (Bedminster)



Aerial Photograph of Study Site



Aerial photography supplied by Getmapping PLC.
© Copyright Getmapping PLC 2003. All Rights Reserved.

Site Name: Hinkley C to Seabank grid connection project
Grid Reference: 348230,177031

Report Reference: [HMD-441-912071](#)

If you would like any further assistance regarding this report then please contact
GroundSure on (T) 08444 159 000, email: info@4c.groundsure.com

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.

Report Section	Number of records found within (X) m of the study site boundary					
1. Historical Industrial Sites	on-site	0-50	51-250	251-500	501-1000	1000-1500
1.1 Potentially Contaminative Past Land Use						
Records of potentially contaminative past land use (1:10,000 scale mapping)	244	45	80	-	-	-
1.2 Additional Information – Historical Tanks (1:2,500,1:1,250 scale mapping)	184	40	20*	-	-	-
1.3 Additional Information – Historical Energy Features (1:2,500,1:1,250 scale mapping)	108	0	2*	-	-	-
1.4 Additional Information – Historical Petrol and Fuel Site Database (1:2,500,1:1,250 scale mapping)	4	0	0*	-	-	-
1.5 Additional Information – Historical Vehicle Repair and Garages (1:2,500,1:1,250 scale mapping)	27	1	0*	-	-	-
1.6 Potentially Infilled Land						
Records of potentially infilled land (1:10,000 scale mapping)	53	7	12*	-	-	-
*51-100m						
2. Environmental Permits, Incidents and Registers	on-site	0-50	51-250	251-500	501-1000	1000-1500
2.1 Industrial Sites Holding Environmental Permits and/or Authorisations						
Records of historic IPC Authorisations	5	0	0	13	-	-
Records of Part A(1) and IPPC Authorised Activities	14	4	1	7	-	-
Records of Water Industry Referrals (potentially harmful discharges to the public sewer)	1	0	0	0	-	-
Records of Red List Discharge Consents (potentially harmful discharges to controlled waters)	0	0	0	0	-	-
Records of List 1 Dangerous Substances Inventory sites	1	0	0	1	-	-
Records of List 2 Dangerous Substances Inventory sites	2	0	0	1	-	-
Records of Part A(2) and Part B Activities and Enforcements	17	1	3	4	-	-
Records of Category 3 or 4 Radioactive Substances Authorisations	5	0	3	3	-	-
Records of Licensed Discharge Consents	11	0	13	23	-	-
Records of Planning Hazardous Substance Consents and Enforcements	0	2	2	1		
2.2 Records of COMAH and NIHHS sites	5	0	0	4	-	-
2.3 Environment Agency Recorded Pollution Incidents						
National Incidents Recording System, List 2	11	0	12	-	-	-
National Incidents Recording System, List 1	1	0	0	-	-	-
2.4 Sites Determined as Contaminated Land under Part IIA EPA 1990	0	0	0	0	-	-

Report Reference: HMD-441-912071

If you would like any further assistance regarding this report then please contact GroundSure on (T) 08444 159 000, email: info@4c.groundsure.com

3. Landfill and Other Waste Sites	on-site	0-50	51-250	251-500	501-1000	1000-1500

3.1 Landfill Sites

Environment Agency Registered landfill Sites	0	0	1	0	2	-
Landfill Data – Operational Landfill Sites	0	0	3	0	3	-
Environment Agency Historic Landfill Sites	2	2	2	5	8	3
Landfill Data – Non-Operational Landfill Sites	0	0	2	2	3	-
BGS/DoE Landfill Site Survey	0	0	2	1	5	2
GroundSure Local Authority Landfill Sites Data	0	0	0	0	2	0

3.2 Landfill and Other Waste Sites Findings

Operational Waste Treatment, Transfer and Disposal Sites	1	0	0	1	-	-
Non-Operational Waste Treatment, Transfer and Disposal Sites	1	0	0	1	-	-
Environment Agency licensed Waste Sites	9	0	11	11	13	13

4. Current Land Uses	on-site	0-50	51-250	251-500	501-1000	1000-1500

4.1 Current Industrial Sites Data	235	25	63	-	-	-
4.2 Records of Petrol and Fuel Sites	6	0	0	0	-	-
4.3 Underground High Pressure Oil and Gas Pipelines	1	0	0	0	-	-

5. Geology	Description

5.1 Are there any records of Artificial Ground and Made Ground present beneath the study site? *

Yes

5.2 Are there any records of Superficial Ground and Drift Geology present beneath the study site? *

Yes

5.3 For records of Bedrock and Solid Geology beneath the study site* see the detailed findings section.

Source: Scale: 1:50,000 BGS Sheet 264

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

6. Hydrogeology and Hydrology	on-site	0-50	51-250	251-500	501-1000	1001-2000

6.1 Are there any records of Productive Strata in the Superficial Geology within 500m of the study site?

Yes

6.2 Are there any records of Productive Strata in the Bedrock Geology within 500m of the study site?

Yes

6.3 Groundwater Abstraction Licences (within 1000m of the study site).

0	0	2	4	4	-

6.4 Surface Water Abstraction Licences (within 1000m of the study site).

0	0	0	0	0	-

6.5 Potable Water Abstraction Licences (within 2000m of the study site).

0	0	0	0	0	0

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

No

6.7 River Quality	on-site	0-50	51-250	251-500	501-1000	1001-1500

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

No	No	No	No	No	No	No

6.8 Detailed River Network entries within 500m of the site

0	0	1	2	-	-

6.9 Surface water features within 250m of the study site

Yes	Yes	Yes	-	-	-

7. Flooding

Report Reference: HMD-441-912071

If you would like any further assistance regarding this report then please contact GroundSure on (T) 08444 159 000, email: info@4c.groundsure.com

7.1 Are there any Environment Agency indicative Zone 2 floodplains within 250m of the study site?	Yes
7.2 Are there any Environment Agency indicative Zone 3 floodplains within 250m of the study site?	Yes
7.3 Are there any Flood Defences within 250m of the study site?	No
7.4 Are there any areas benefiting from Flood Defences within 250m of the study site?	No
7.5 Are there any areas used for Flood Storage within 250m of the study site?	No
7.6 What is the maximum BGS Groundwater Flooding susceptibility within 50m of the study site?	Very High
7.7 What is the BGS confidence rating for the Groundwater Flooding susceptibility areas?	High

8. Designated Environmentally Sensitive Sites	on-site	0-50	51-250	251-500	501-1000	1001-2000
8.1 Records of Sites of Special Scientific Interest (SSSI)	0	0	2	0	1	4
8.2 Records of National Nature Reserves (NNR)	0	0	0	0	0	0
8.3 Records of Local Nature Reserves (LNR)	0	0	0	0	0	1
8.4 Records of Special Areas of Conservation (SAC)	0	0	2	0	2	8
8.5 Records of Special Protection Areas (SPA)	0	0	4	2	2	6
8.6 Records of Ramsar sites	0	0	4	0	0	6
8.7 Records of World Heritage Sites	0	0	0	0	0	0
8.8 Records of Environmentally Sensitive Areas	0	0	0	0	0	0
8.9 Records of Areas of Outstanding Natural Beauty (AONB)	0	0	0	0	0	0
8.10 Records of National Parks	0	0	0	0	0	0
8.11 Records of Nitrate Sensitive Areas	0	0	0	0	0	0

9. Additional Information	on-site	0-50	51-250	250-500
9.1 Records of mobile phone transmitters	2	1	0	0
9.2 Records of potential sites of OfCom telecommunications masts	2	1	0	0
9.3 Records of transmission lines in proximity to the study site	2	0	0	0

10. Natural Hazards

10.1 What is the maximum risk of natural ground subsidence?	Moderate
10.2 Is the property in a radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level?	The property is not in a Radon Affected Area, as less than 1% of properties are above the Action Level
Is the property in an area where radon protection measures are required for new properties or extensions to existing ones as described in publication BR211 by the Building Research Establishment?	No radon protective measures are necessary

11. Mining

11.1 Are there any coal mining areas within 75m of the study site?	No
11.2 What is the risk of subsidence relating to shallow mining within 150m of the study site?	Negligible
11.3 Are there any brine affected areas within 75m of the study site?	No

Using this Report

The following report is designed by Environmental Consultants for Environmental Professionals bringing together the most up-to-date market leading environmental data. This report is provided under and subject to the Terms & Conditions agreed between GroundSure and the Client. The document contains the following sections:

1. Historical Industrial Sites

Provides information on past land uses that may pose a risk to the study site in terms of potential contamination from activities or processes. Potentially Infilled Land features are also included. This search is conducted using radii of up to 250m.

2. Environmental Permits, Incidents and Registers

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

3. Landfills and Other Waste Sites

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

4. Current Land Uses

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

5. Geology

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

6. Hydrogeology and Hydrology

Provides information on groundwater vulnerability, soil leaching potential, abstraction licenses, Source Protection Zones (SPZ) and river quality. These searches are conducted using radii of up to 2000m.

7. 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.

8. Designated Environmentally Sensitive Sites

Provides information on the Sites of Special Scientific Interest (SSSI), National Nature Reserves (NNR), Special Areas of Conservation (SAC), Special Protection Areas (SPA), Ramsar sites, Local Nature Reserves (LNR), Areas of Outstanding Natural Beauty (AONB), National Parks (NP), Environmentally Sensitive Areas, Nitrate Sensitive Areas and World Heritage Sites. These searches are conducted using radii of up to 2000m.

9. Additional Information

Provides information on records of mobile phone transmitters, potential sites of OfCom telecommunication masts and overhead transmission lines up to 500m.

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10. Natural Hazards

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

11. Mining

Provides information on areas of coal and shallow mining.

12. Contacts

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

Note: Maps

Only certain features are placed on the maps within the report. All features represented on maps found within this search are given an identification number. This number identifies the feature on the mapping and correlates it to the additional information provided below. This identification number precedes all other information and takes the following format -Id: 1, Id: 2, etc. Where numerous features on the same map are in such close proximity that the numbers would obscure each other a letter identifier is used instead to represent the features. (e.g. Three features which overlap may be given the identifier "A" on the map and would be identified separately as features 1A, 3A, 10A on the data tables provided).

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

All distances given in this report are in Metres (m). Directions are given as compass headings such as N: North, E: East, NE: North East from the nearest point of the study site boundary.

1. Historical Industrial Sites

1.1 Potentially Contaminative Uses identified from High Detail (1:10,000 scale) Mapping

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

Records of sites with a potentially contaminative past land use within 250m of the search boundary: 369

The following records are not represented on Mapping:

Distance [m]	Direction	Use	Date
0.0	On Site	Oil Tanks	1902
0.0	On Site	Oil Tank	1912
0.0	On Site	Oil Tanks	1902
0.0	On Site	Oil Tanks	1912
0.0	On Site	Petroleum Storage Works	1912
0.0	On Site	Oil Tanks	1912
0.0	On Site	Oil Tanks	1902
0.0	On Site	Oil Tanks	1912
0.0	On Site	Oil Tanks	1902
0.0	On Site	Oil Tanks	1912
0.0	On Site	Oil Tanks	1901
0.0	On Site	Railway Building	1938
0.0	On Site	Oil Tanks	1902
0.0	On Site	Oil Tanks	1912
0.0	On Site	Oil Tanks	1902
0.0	On Site	Oil Tanks	1912
0.0	On Site	Oil Tanks	1902
0.0	On Site	Oil Tanks	1912
0.0	On Site	Oil Tanks	1902
0.0	On Site	Oil Tanks	1912
0.0	On Site	Oil Tanks	1901
0.0	On Site	Oil Tanks	1912
0.0	On Site	Oil Tanks	1912
0.0	On Site	Oil Tanks	1902
0.0	On Site	Petroleum Storage Works	1912
0.0	On Site	Petroleum Storage Works	1902
0.0	On Site	Unspecified Mill	1949
0.0	On Site	Unspecified Tank	1949
0.0	On Site	Railway Building	1949
0.0	On Site	Unspecified Tanks	1912
0.0	On Site	Unspecified Tanks	1912
0.0	On Site	Unspecified Tanks	1938
0.0	On Site	Railway Building	1938
0.0	On Site	Railway Building	1912
0.0	On Site	Railway Building	1949
0.0	On Site	Railway Building	1938
0.0	On Site	Unspecified Shaft	1938
0.0	On Site	Railway Building	1901
0.0	On Site	Oil Tanks	1912
0.0	On Site	Oil Tanks	1912
0.0	On Site	Police Station	1902
0.0	On Site	Police Station	1949
0.0	On Site	Police Station	1901
0.0	On Site	Omnibus Depot	1949
0.0	On Site	Docks Station	1912
0.0	On Site	Docks Station	1912
0.0	On Site	Docks Station	1938
0.0	On Site	Docks Station	1921
0.0	On Site	Docks Station	1949
0.0	On Site	Railway Sidings	1902
0.0	On Site	Railway Building	1949
0.0	On Site	Railway Sidings	1901
0.0	On Site	Dock Station	1901
0.0	On Site	Dock Station	1902
0.0	On Site	Docks Station	1912

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0.0	On Site	Docks Station	1938
0.0	On Site	Docks Station	1912
0.0	On Site	Docks Station	1921
0.0	On Site	Railway Building	1949
0.0	On Site	Railway Sidings	1912
0.0	On Site	Dock	1921
0.0	On Site	Dock	1883
0.0	On Site	Dock	1912
0.0	On Site	Dock	1938
0.0	On Site	Dock	1902
0.0	On Site	Dock	1901
0.0	On Site	Railway Building	1901
0.0	On Site	Unspecified Tanks	1949
0.0	On Site	Unspecified Disused Shed	1949
0.0	On Site	Docks Station	1920
0.0	On Site	Docks Station	1920
0.0	On Site	Oil Tanks	1920
0.0	On Site	Oil Tanks	1920
0.0	On Site	Oil Tanks	1920
0.0	On Site	Oil Tanks	1920
0.0	On Site	Oil Tanks	1920
0.0	On Site	Oil Tanks	1920
0.0	On Site	Oil Tanks	1920
0.0	On Site	Oil Tanks	1920
0.0	On Site	Petroleum Storage Works	1920
0.0	On Site	Railway Building	1920
0.0	On Site	Railway Building	1920
0.0	On Site	Granaries (B)	1901
0.0	On Site	Granaries (B)	1901
0.0	On Site	Unspecified Mill (B)	1979
0.0	On Site	Unspecified Mill (B)	1949
0.0	On Site	Unspecified Mill (B)	1991
0.0	On Site	Unspecified Commercial/Industrial	1921
0.0	On Site	Railway Sidings	1921
0.0	On Site	Railway Sidings	1883
0.0	On Site	Railway Building	1921
0.0	On Site	Cattle Sheds	1883
0.0	On Site	Dock	1920
0.0	On Site	Unspecified Mill (B)	1949
0.0	On Site	Granary	1921
0.0	On Site	Granary	1920
0.0	On Site	Granary (B)	1912
0.0	On Site	Unspecified Mill	1921
0.0	On Site	Flour Mill	1920
0.0	On Site	Police Station	1991
0.0	On Site	Police Station	1979
0.0	On Site	Dock	1991
0.0	On Site	Smithy	1883
0.0	On Site	Unspecified Tanks	1921
0.0	On Site	Unspecified Tanks	1979
0.0	On Site	Unspecified Tanks	1979
0.0	On Site	Unspecified Depot	1991
0.0	On Site	Unspecified Depot	1979
0.0	On Site	Electric Sub Station	1991
0.0	On Site	Unspecified Tanks	1979
0.0	On Site	Unspecified Warehouse	1979
0.0	On Site	Unspecified Warehouse	1991
0.0	On Site	Petroleum Storage Works	1901
0.0	On Site	Petroleum Storage Works	1921
0.0	On Site	Unspecified Depot	1979
0.0	On Site	Dock Station	1883
0.0	On Site	Railway Station	1979
0.0	On Site	Railway Sidings	1979
0.0	On Site	Railway Sidings	1991
0.0	On Site	Unspecified Depot	1991
0.0	On Site	Railway Station	1991
0.0	On Site	Electric Sub Station	1991
0.0	On Site	Oil Tanks	1921
0.0	On Site	Unspecified Tank	1979
0.0	On Site	Unspecified Tank	1991
0.0	On Site	Oil Tanks	1921
0.0	On Site	Unspecified Works (B)	1979
0.0	On Site	Oil Tanks	1921
0.0	On Site	Fire Station	1979
0.0	On Site	Fire Station	1991
0.0	On Site	Unspecified Works	1991
0.0	On Site	Electricity Sub-Station	1921

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0.0	On Site	Electric Sub Station	1920
0.0	On Site	Oil Tanks	1921
0.0	On Site	Unspecified Warehouses	1991
0.0	On Site	Unspecified Warehouses	1979
0.0	On Site	Oil Tanks	1921
0.0	On Site	Oil Tanks	1921
0.0	On Site	Telecomm Exchange	1991
0.0	On Site	Telecomm Exchange	1979
0.0	On Site	Unspecified Commercial/Industrial	1991
0.0	On Site	Unspecified Works	1979
0.0	On Site	Unspecified Depot	1979
0.0	On Site	Unspecified Depot	1991
0.0	On Site	Unspecified Depot	1991
0.0	On Site	Unspecified Depot	1979
0.0	On Site	Unspecified Depot	1991
0.0	On Site	Unspecified Depot	1979
0.0	On Site	Unspecified Disused Works	1991
0.0	On Site	Unspecified Workshop	1979
0.0	On Site	Unspecified Warehouses	1979
0.0	On Site	Unspecified Depot	1991
0.0	On Site	Unspecified Depot	1979
0.0	On Site	Unspecified Warehouses	1991
0.0	On Site	Unspecified Warehouses	1979
0.0	On Site	Unspecified Warehouses	1979
0.0	On Site	Unspecified Heap	1883
0.0	On Site	Unspecified Heap	1912
0.0	On Site	Unspecified Heap	1902
0.0	On Site	Unspecified Warehouses	1979
0.0	On Site	Unspecified Warehouses	1991
0.0	On Site	Unspecified Tank	1979
0.0	On Site	Unspecified Tank	1991
0.0	On Site	Unspecified Depot	1991
0.0	On Site	Unspecified Depot	1979
0.0	On Site	Railway Sidings	1921
0.0	On Site	Railway Sidings	1991
0.0	On Site	Unspecified Works	1991
0.0	On Site	Unspecified Depot	1991
0.0	On Site	Railway Sidings	1921
0.0	On Site	Goods Station	1921
0.0	On Site	Unspecified Depots	1979
0.0	On Site	Unspecified Warehouse	1979
0.0	On Site	Unspecified Warehouses	1979
0.0	On Site	Unspecified Depot	1979
0.0	On Site	Goods Station	1920
0.0	On Site	Unspecified Ground Workings	1901
0.0	On Site	Oil Tanks	1912
0.0	On Site	Oil Tanks	1912
0.0	On Site	Oil Tanks	1912
0.0	On Site	Oil Tanks	1912
0.0	On Site	Oil Tanks	1901
0.0	On Site	Oil Tanks	1912
0.0	On Site	Oil Tanks	1912
0.0	On Site	Railway Building	1912
0.0	On Site	Railway Building	1938
0.0	On Site	Granary	1912
0.0	On Site	Electricity Sub-Station	1912
0.0	On Site	Electricity Sub-Station	1912
0.0	On Site	Railway Sidings	1912
0.0	On Site	Railway Sidings	1912
0.0	On Site	Flour Mill	1912
0.0	On Site	Flour Mill	1912
0.0	On Site	Granary	1938
0.0	On Site	Unspecified Pit	1912
0.0	On Site	Unspecified Pit	1921
0.0	On Site	Railway Sidings	1912
0.0	On Site	Dock	1922
0.0	On Site	Railway Sidings	1922
0.0	On Site	Railway Sidings	1902
0.0	On Site	Railway Sidings	1901
0.0	On Site	Goods Station	1912
0.0	On Site	Goods Station	1938
0.0	On Site	Goods Station	1912
0.0	On Site	Dock	1979
0.0	On Site	Dock	1991
0.0	On Site	Dock	1922
0.0	On Site	Railway Sidings	1922
0.0	On Site	Railway Sidings	1912
0.0	On Site	Railway Sidings	1921

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0.0	On Site	Railway Sidings	1912
0.0	On Site	Unspecified Warehouses	1979
0.0	On Site	Railway Sidings	1912
0.0	On Site	Dock	1921
0.0	On Site	Railway Sidings	1912
0.0	On Site	Railway Sidings	1938
0.0	On Site	Dock	1912
0.0	On Site	Railway Sidings	1912
0.0	On Site	Railway Sidings	1938
0.0	On Site	Dock	1938
0.0	On Site	Docks	1991
0.0	On Site	Docks	1979
0.0	On Site	Railway Sidings	1979
0.0	On Site	Railway Sidings	1949
0.0	On Site	Docks	1949
0.0	On Site	Railway Sidings	1920
0.0	On Site	Railway Sidings	1920
0.0	On Site	Railway Sidings	1920
0.0	On Site	Dock	1920
0.0	On Site	Dock (B)	1912
0.0	On Site	Unspecified Works	1979
0.0	On Site	Unspecified Works	1991
0.0	On Site	Bakery	1979
0.0	On Site	Bakery	1991
0.0	On Site	Unspecified Warehouses	1991
0.0	On Site	Unspecified Warehouses	1979
0.0	On Site	Unspecified Warehouse	1979
0.0	On Site	Unspecified Warehouses	1991
0.0	On Site	Electricity Transmission Station	1979
0.0	On Site	Electricity Transmission Station	1991
0.0	On Site	Unspecified Warehouses	1991
0.0	N	Unspecified Depot (B)	1949
0.0	SW	Oil Tanks	1902
1.0	SW	Unspecified Tanks	1979
2.0	SW	Unspecified Tank	1938
5.0	N	Smelting Works	1979
5.0	N	Smelting Works	1991
5.0	N	Refuse Heap	1979
5.0	N	Refuse Heap	1991
6.0	SW	Unspecified Tank	1949
7.0	SW	Railway Building	1949
8.0	SW	Railway Building	1938
8.0	SW	Railway Building	1912
10.0	NW	Transit Shed	1991
11.0	SW	Oil Tanks	1912
12.0	SW	Unspecified Tank	1949
13.0	SW	Oil Tanks	1912
14.0	SW	Oil Tanks	1921
16.0	SW	Railway Building	1949
16.0	SW	Granaries	1920
17.0	SW	Granaries	1938
17.0	SW	Granaries	1912
17.0	SW	Oil Tanks	1920
18.0	SW	Granaries	1912
18.0	SW	Granaries	1921
19.0	SW	Granaries	1902
20.0	SW	Railway Building	1949
23.0	SW	Unspecified Ground Workings	1901
25.0	SW	Unspecified Mill (B)	1949
27.0	SW	Oil Tanks	1902
37.0	SW	Unspecified Station	1901
37.0	SW	Railway Station	1920
37.0	SW	Unspecified Works	1979
38.0	SW	Unspecified Station	1938
38.0	SW	Railway Station	1912
38.0	SW	Railway Station	1912
38.0	SW	Railway Station	1902
40.0	NE	Railway Sidings	1991
40.0	NE	Railway Sidings	1979
41.0	SW	Unspecified Mills (B)	1949
41.0	SW	Unspecified Ground Workings	1912
42.0	N	Transit Shed	1991
42.0	N	Transit Shed	1979
42.0	SW	Railway Station	1921
42.0	SW	Unspecified Mill	1949
46.0	SW	Railway Station	1922
47.0	SW	Granaries	1922
47.0	SW	Dock	1922

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57.0	SW	Oil Tanks	1912
57.0	SW	Oil Tanks	1912
58.0	SW	Oil Tanks	1921
60.0	SW	Railway Building	1912
60.0	SW	Oil Tanks	1920
61.0	N	Unspecified Factory	1949
62.0	NW	Infectious Diseases Hospital	1901
62.0	SW	Unspecified Mill	1991
63.0	NW	Infectious Diseases Hospital	1902
66.0	N	Unspecified Works	1991
66.0	N	Unspecified Works	1979
69.0	SW	Railway Sidings	1922
70.0	NW	Railway Building	1921
76.0	SW	Unspecified Tanks	1979
79.0	NW	Refuse Heap	1912
79.0	SW	Unspecified Mill	1979
80.0	NW	Transit Shed	1979
80.0	NW	Transit Shed	1991
80.0	SW	Unspecified Mill	1979
80.0	NW	Refuse Heap	1938
83.0	SW	Unspecified Heap	1912
84.0	SW	Granary	1921
85.0	NW	Refuse Heap	1912
85.0	SW	Unspecified Heap	1902
86.0	NE	Unspecified Depot	1991
96.0	SE	Unspecified Pit	1938
97.0	SW	Railway Sidings	1901
98.0	SW	Granary	1938
98.0	SW	Granary	1912
99.0	SW	Granary	1920
103.0	SW	Railway Sidings	1883
105.0	SW	Railway Sidings	1902
106.0	N	Unspecified Heap	1949
110.0	SW	Granary	1922
116.0	SW	Cattle Sheds	1883
118.0	NE	Pump House	1991
118.0	NE	Pump House	1979
118.0	SW	Old Lime Kiln	1883
124.0	SW	Iron Works	1901
126.0	N	Unspecified Works	1949
127.0	SW	Unspecified Tanks	1949
135.0	N	Unspecified Heap	1949
135.0	SW	Unspecified Heap	1902
137.0	NE	Unspecified Depot	1991
138.0	SW	Unspecified Mill	1991
141.0	SW	Iron Works	1902
141.0	SW	Railway Building	1921
143.0	SW	Railway Building	1901
152.0	SW	Railway Sidings	1938
154.0	SW	Bottle Works	1883
160.0	SW	Unspecified Depot	1991
160.0	SW	Unspecified Depot	1979
163.0	SW	Railway Building	1949
163.0	SW	Refuse Heap	1938
166.0	SW	Brick Works	1883
172.0	SW	Unspecified Heap	1949
178.0	NW	Unspecified Wharf (B)	1991
178.0	NW	Unspecified Wharf (B)	1979
181.0	N	Unspecified Works	1979
181.0	N	Unspecified Works	1991
181.0	SW	Corporation Yard	1949
185.0	N	Railway Sidings	1949
194.0	NW	Railway Sidings	1912
198.0	NW	Railway Sidings	1920
198.0	SW	Unspecified Warehouse	1979
198.0	SE	Unspecified Pit	1991
199.0	SW	Unspecified Kiln	1883
199.0	NW	Railway Sidings	1912
202.0	NW	Railway Sidings	1922
206.0	NW	Unspecified Wharf	1949
207.0	NW	Railway Sidings	1921
208.0	SE	Unspecified Pit	1938
215.0	NW	Railway Sidings	1902
220.0	SW	Unspecified Pit	1938
224.0	NE	Unspecified Depot	1991
227.0	NW	Boat House	1883
228.0	SE	Unspecified Pit	1949
229.0	NW	Railway Sidings	1991

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

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Distance (m)	Direction	Use	Date
0.0	On Site	Oil Tanks	1904
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Oil Tanks	1904
0.0	On Site	Tanks	1969
0.0	On Site	Tank (Unspecified)	1903
0.0	On Site	Oil Tanks	1904
0.0	On Site	Tanks	1969
0.0	On Site	Oil Tanks	1904
0.0	On Site	Oil Tanks	1904
0.0	On Site	Tank (Unspecified)	1974
0.0	On Site	Tank (Unspecified)	1952
0.0	On Site	Tank (Unspecified)	1952
0.0	On Site	Tank (Unspecified)	1979
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1983
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1993
0.0	On Site	Tank (Unspecified)	1983
0.0	On Site	Tank (Unspecified)	1993
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Oil Tanks	1904
0.0	On Site	Tank (Unspecified)	1983
0.0	On Site	Tank (Unspecified)	1993
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1993
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1983
0.0	On Site	Tank (Unspecified)	1983
0.0	On Site	Tank (Unspecified)	1993
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Oil Tanks	1903
0.0	On Site	Tank (Unspecified)	1952
0.0	On Site	Tanks	1983
0.0	On Site	Tanks	1983
0.0	On Site	Tank (Unspecified)	1983
0.0	On Site	Tanks	1983
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1983
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tanks	1993
0.0	On Site	Tanks	1983
0.0	On Site	Tank (Unspecified)	1981
0.0	On Site	Tank (Unspecified)	1984
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1993
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1983
0.0	On Site	Tank (Unspecified)	1993

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0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1983
0.0	On Site	Tanks	1969
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1972
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1972
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1983
0.0	On Site	Tank (Unspecified)	1993
0.0	On Site	Water Tank	1952
0.0	On Site	Tank (Unspecified)	1983
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tanks	1969
0.0	On Site	Tank (Unspecified)	1985
0.0	On Site	Tank (Unspecified)	1993
0.0	On Site	Tank (Unspecified)	1984
0.0	On Site	Tank (Unspecified)	1986
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1993
0.0	On Site	Tank (Unspecified)	1972
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tanks	1979
0.0	On Site	Tanks	1963
0.0	On Site	Tank (Unspecified)	1979
0.0	On Site	Tanks	1981
0.0	On Site	Tank (Unspecified)	1979
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1979
0.0	On Site	Tank (Unspecified)	1981
0.0	On Site	Tanks	1979
0.0	On Site	Tanks	1963
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1979
0.0	On Site	Tanks	1981
0.0	On Site	Tank (Unspecified)	1979
0.0	On Site	Tank (Unspecified)	1916
0.0	On Site	Tank (Unspecified)	1979
0.0	On Site	Tank (Unspecified)	1963
0.0	On Site	Tank (Unspecified)	1952
0.0	On Site	Tank (Unspecified)	1979
0.0	On Site	Tank (Unspecified)	1979
0.0	On Site	Tanks	1981
0.0	On Site	Tanks	1952
0.0	On Site	Tanks	1963
0.0	On Site	Tanks	1979
0.0	On Site	Tank (Unspecified)	1979
0.0	On Site	Tank (Unspecified)	1979
0.0	On Site	Tanks	1981
0.0	On Site	Tanks	1969
0.0	On Site	Tanks	1979
0.0	On Site	Tanks	1969
0.0	On Site	Tank (Unspecified)	1916
0.0	On Site	Tank (Unspecified)	1981
0.0	On Site	Tank (Unspecified)	1963
0.0	On Site	Tank (Unspecified)	1979
0.0	On Site	Tank (Unspecified)	1979
0.0	On Site	Tank (Unspecified)	1916
0.0	On Site	Tank (Unspecified)	1952
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1986
0.0	On Site	Tank (Unspecified)	1978
0.0	On Site	Tank (Unspecified)	1978
0.0	On Site	Tank (Unspecified)	1990
0.0	On Site	Tank (Unspecified)	1990
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1979

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0.0	On Site	Tank (Unspecified)	1988
0.0	On Site	Tank (Unspecified)	1993
0.0	On Site	Tank (Unspecified)	1981
0.0	On Site	Tank (Unspecified)	1916
0.0	On Site	Tank (Unspecified)	1904
0.0	On Site	Tank (Unspecified)	1903
0.0	On Site	Tank (Unspecified)	1952
0.0	On Site	Tank (Unspecified)	1973
0.0	On Site	Tank (Unspecified)	1952
0.0	On Site	Tank (Unspecified)	1967
0.0	On Site	Tank (Unspecified)	1952
0.0	On Site	Tank (Unspecified)	1967
0.0	On Site	Tank (Unspecified)	1952
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1971
0.0	On Site	Tank (Unspecified)	1988
0.0	On Site	Tank (Unspecified)	1988
0.0	On Site	Tank (Unspecified)	1973
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1993
0.0	On Site	Tank (Unspecified)	1916
0.0	On Site	Tank (Unspecified)	1983
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1903
0.0	On Site	Tank (Unspecified)	1916
0.0	On Site	Tank (Unspecified)	1903
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1993
0.0	On Site	Tank (Unspecified)	1903
0.0	On Site	Tank (Unspecified)	1903
0.0	On Site	Tank (Unspecified)	1916
0.0	On Site	Tank (Unspecified)	1973
0.0	On Site	Tank (Unspecified)	1967
0.0	On Site	Tank (Unspecified)	1903
0.0	On Site	Tank (Unspecified)	1916
0.0	On Site	Tank (Unspecified)	1903
0.0	On Site	Tank (Unspecified)	1993
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1973
0.0	On Site	Tank (Unspecified)	1903
0.0	On Site	Tanks	1973
0.0	On Site	Tank (Unspecified)	1988
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tanks	1971
0.0	On Site	Tanks	1971
0.0	On Site	Tank (Unspecified)	1973
0.0	On Site	Tank (Unspecified)	1988
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1994
0.0	On Site	Tank (Unspecified)	1994
2.0	N	Tank (Unspecified)	1988
2.0	SW	Tank (Unspecified)	1952
2.0	SW	Tank (Unspecified)	1979
2.0	SW	Tanks	1981
3.0	SW	Tanks	1979
3.0	SW	Tanks	1963
3.0	NE	Tank (Unspecified)	1985
4.0	SW	Oil Tanks	1903
4.0	NE	Tank (Unspecified)	1997
5.0	SE	Tank (Unspecified)	1972
6.0	SE	Tank (Unspecified)	1997
6.0	SE	Tank (Unspecified)	1992
6.0	SW	Oil Tanks	1904
7.0	SE	Tank (Unspecified)	1992
7.0	SE	Tank (Unspecified)	1992
8.0	SW	Tank (Unspecified)	1952
8.0	SW	Tank (Unspecified)	1979
10.0	SE	Tank (Unspecified)	1972
11.0	SE	Tank (Unspecified)	1997
11.0	SE	Tank (Unspecified)	1992
12.0	SE	Tank (Unspecified)	1992
12.0	SE	Tank (Unspecified)	1992
13.0	SW	Tank (Unspecified)	1981
13.0	SW	Tank (Unspecified)	1979
14.0	SW	Tank (Unspecified)	1979
14.0	SW	Tank (Unspecified)	1963
19.0	SE	Tank (Unspecified)	1997

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19.0	SE	Tank (Unspecified)	1992
19.0	SE	Tank (Unspecified)	1972
21.0	SE	Tank (Unspecified)	1992
21.0	SE	Tank (Unspecified)	1992
22.0	N	Tank (Unspecified)	1992
24.0	N	Tank (Unspecified)	1978
24.0	N	Tank (Unspecified)	1990
35.0	N	Tank (Unspecified)	1992
35.0	SW	Tank (Unspecified)	1992
36.0	N	Tank (Unspecified)	1978
36.0	N	Tank (Unspecified)	1990
37.0	SW	Tank (Unspecified)	1988
46.0	SW	Tank (Unspecified)	1969
67.0	SW	Tanks	1992
68.0	SW	Tanks	1988
68.0	SW	Tank (Unspecified)	1952
68.0	SW	Tank (Unspecified)	1952
71.0	SW	Tank (Unspecified)	1992
71.0	SW	Tank (Unspecified)	1988
72.0	SW	Tank (Unspecified)	1963
79.0	SW	Tanks	1979
79.0	SW	Tanks	1981
80.0	SW	Tanks	1977
80.0	SW	Tanks	1963
81.0	SW	Tank (Unspecified)	1977
81.0	SW	Tank (Unspecified)	1963
81.0	SW	Tank (Unspecified)	1979
86.0	N	Tank (Unspecified)	1969
86.0	N	Tank (Unspecified)	1992
86.0	N	Tank (Unspecified)	1969
87.0	N	Tank (Unspecified)	1990
87.0	N	Tank (Unspecified)	1978
94.0	SW	Tanks	1979

100

1.3 Additional Information – Historical Energy Features Database

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

Records of historical energy features within 100m of the search boundary:

110

The following records are not represented on Mapping:

Distance (m)	Direction	Use	Date
0.0	On Site	Electricity Sub Station	1993
0.0	On Site	Electricity Sub Station	1993
0.0	On Site	Electricity Sub Station	1952
0.0	On Site	Electricity Sub Station	1952
0.0	On Site	Electricity Sub Station	1988
0.0	On Site	Electricity Sub Station	1997
0.0	On Site	Electricity Sub Station	1974
0.0	On Site	Electricity Sub Station	1986
0.0	On Site	Electricity Sub Station	1969
0.0	On Site	Electricity Sub Station	1979
0.0	On Site	Electricity Sub Station	1988
0.0	On Site	Electricity Sub Station	1993
0.0	On Site	Electricity Sub Station	1952
0.0	On Site	Electricity Sub Station	1952
0.0	On Site	Electricity Sub Station	1974
0.0	On Site	Electricity Sub Station	1986
0.0	On Site	Electricity Sub Station	1997
0.0	On Site	Electricity Sub Station	1997
0.0	On Site	Electricity Sub Station	1986
0.0	On Site	Electricity Sub Station	1974
0.0	On Site	Electricity Sub Station	1973
0.0	On Site	Electricity Sub Station	1997
0.0	On Site	Electricity Sub Station	1952
0.0	On Site	Electricity Sub Station	1997

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0.0	On Site	Electricity Sub Station	1952
0.0	On Site	Electricity Sub Station	1952
0.0	On Site	Electricity Sub Station	1971
0.0	On Site	Electricity Sub Stations	1983
0.0	On Site	Electricity Sub Station	1973
0.0	On Site	Electricity Sub Station	1967
0.0	On Site	Electricity Sub Station	1973
0.0	On Site	Electricity Sub Station	1997
0.0	On Site	Electricity Sub Station	1997
0.0	On Site	Electricity Transformer	1969
0.0	On Site	Electricity Sub Station	1983
0.0	On Site	Electricity Sub Station	1997
0.0	On Site	Electricity Sub Station	1988
0.0	On Site	Electricity Sub Station	1988
0.0	On Site	Electricity Sub Station	1997
0.0	On Site	Electricity Sub Station	1997
0.0	On Site	Electricity Transformer	1969
0.0	On Site	Electricity Sub Station	1983
0.0	On Site	Electricity Sub Station	1969
0.0	On Site	Electricity Sub Station	1997
0.0	On Site	Electricity Sub Station	1988
0.0	On Site	Electricity Sub Station	1997
0.0	On Site	Electricity Sub Station	1993
0.0	On Site	Electricity Sub Station	1997
0.0	On Site	Electricity Sub Station	1997
0.0	On Site	Electricity Sub Station	1988
0.0	On Site	Electricity Sub Station	1983
0.0	On Site	Electricity Sub Station	1979
0.0	On Site	Electricity Sub Station	1997
0.0	On Site	Electricity Sub Station	1997
0.0	On Site	Electricity Transformer	1973
0.0	On Site	Electricity Sub Station	1997
0.0	On Site	Electricity Transformer	1973
0.0	On Site	Electricity Sub Station	1997
0.0	On Site	Electricity Sub Station	1967
0.0	On Site	Electricity Sub Station	1986
0.0	On Site	Electricity Sub Station	1973
0.0	On Site	Electricity Sub Station	1997
0.0	On Site	Electricity Sub Station	1994
0.0	On Site	Electricity Sub Station	1952
0.0	On Site	Electricity Sub Station	1997
0.0	On Site	Electricity Sub Station	1994
0.0	On Site	Electricity Sub Station	1988
0.0	On Site	Electricity Sub Station	1952
0.0	On Site	Electricity Sub Station	1988
0.0	On Site	Electricity Transformer	1969
0.0	On Site	Electricity Sub Station	1997
0.0	On Site	Electricity Sub Station	1969
0.0	On Site	Electricity Sub Station	1973
0.0	On Site	Electricity Sub Station	1984
0.0	On Site	Electricity Sub Station	1993
0.0	On Site	Electricity Sub Station	1994
0.0	On Site	Electricity Sub Station	1981
0.0	On Site	Electricity Sub Station	1993
0.0	On Site	Electricity Sub Station	1981
0.0	On Site	Electricity Transmission Station	1984
0.0	On Site	Electricity Transmission Station	1969
0.0	On Site	Electricity Transmission Station	1993
0.0	On Site	Electricity Transmission Station	1997
0.0	On Site	Electricity Transmission Station	1997
0.0	On Site	Electricity Transmission Station	1969
0.0	On Site	Electricity Sub Station	1997
0.0	On Site	Electricity Sub Station	1997
0.0	On Site	Electricity Sub Station	1993
0.0	On Site	Electricity Sub Station	1997
0.0	On Site	Electricity Sub Station	1984
0.0	On Site	Electricity Sub Station	1988
0.0	On Site	Electricity Sub Station	1988
0.0	On Site	Electricity Sub Station	1994
0.0	On Site	Electricity Sub Station	1988
0.0	On Site	Electricity Sub Station	1988
0.0	On Site	Electricity Sub Station	1992
0.0	On Site	Electricity Sub Station	1990
0.0	On Site	Electricity Transformer	1969
0.0	On Site	Electricity Sub Station	1969
0.0	On Site	Electricity Transformer	1969
0.0	On Site	Electricity Sub Station	1993
0.0	On Site	Electricity Transformer	1969

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0.0	On Site	Electricity Sub Station	1993
0.0	On Site	Electricity Sub Station	1993
0.0	On Site	Electricity Sub Station	1985
0.0	On Site	Electricity Sub Station	1992
0.0	On Site	Electricity Sub Station	1988
0.0	On Site	Electricity Sub Station	1978
56.0	SW	Electricity Sub Station	1992
56.0	SW	Electricity Sub Station	1988

1.4 Additional Information – Historical Petrol and Fuel Site Database

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

Records of historical petrol stations and fuel sites within 100m of the search boundary: 4

The following records are not represented on Mapping:

Distance (m)	Direction	Use	Date
0.0	On Site	Petroleum Storage Works	1903
0.0	On Site	Petroleum Storage Works	1904
0.0	On Site	Petroleum Storage Works	1903
0.0	On Site	Petrol Filling Station	1952

1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database

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

Records of historical garage and motor vehicle repair sites within 100m of the search boundary: 28

The following records are not represented on Mapping:

Distance (m)	Direction	Use	Date
0.0	On Site	Garage	1969
0.0	On Site	Garage	1967
0.0	On Site	Garage	1973
0.0	On Site	Garage	1997
0.0	On Site	Garage	1993
0.0	On Site	Commercial Vehicle Repairs	1969
0.0	On Site	Garage	1994
0.0	On Site	Garage	1973
0.0	On Site	Garage	1994
0.0	On Site	Garage	1997
0.0	On Site	Garage	1973
0.0	On Site	Garage	1973
0.0	On Site	Garage	1997
0.0	On Site	Garage	1994
0.0	On Site	Garage	1973
0.0	On Site	Garage	1952
0.0	On Site	Garage	1952
0.0	On Site	Garage	1988
0.0	On Site	Garage	1963
0.0	On Site	Garage	1963
0.0	On Site	Garage	1979

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0.0	On Site	Commercial Vehicle Repairers	1979
0.0	On Site	Garage	1988
0.0	On Site	Garage	1981
0.0	On Site	Garage	1988
0.0	On Site	Garage	1988
0.0	On Site	Garage	1993
8.0	N	Garage	1971

1.6 Potentially Infilled Land

Records of Potentially Infilled Features from 1:10,000 scale mapping within 100m of the study site: 72

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

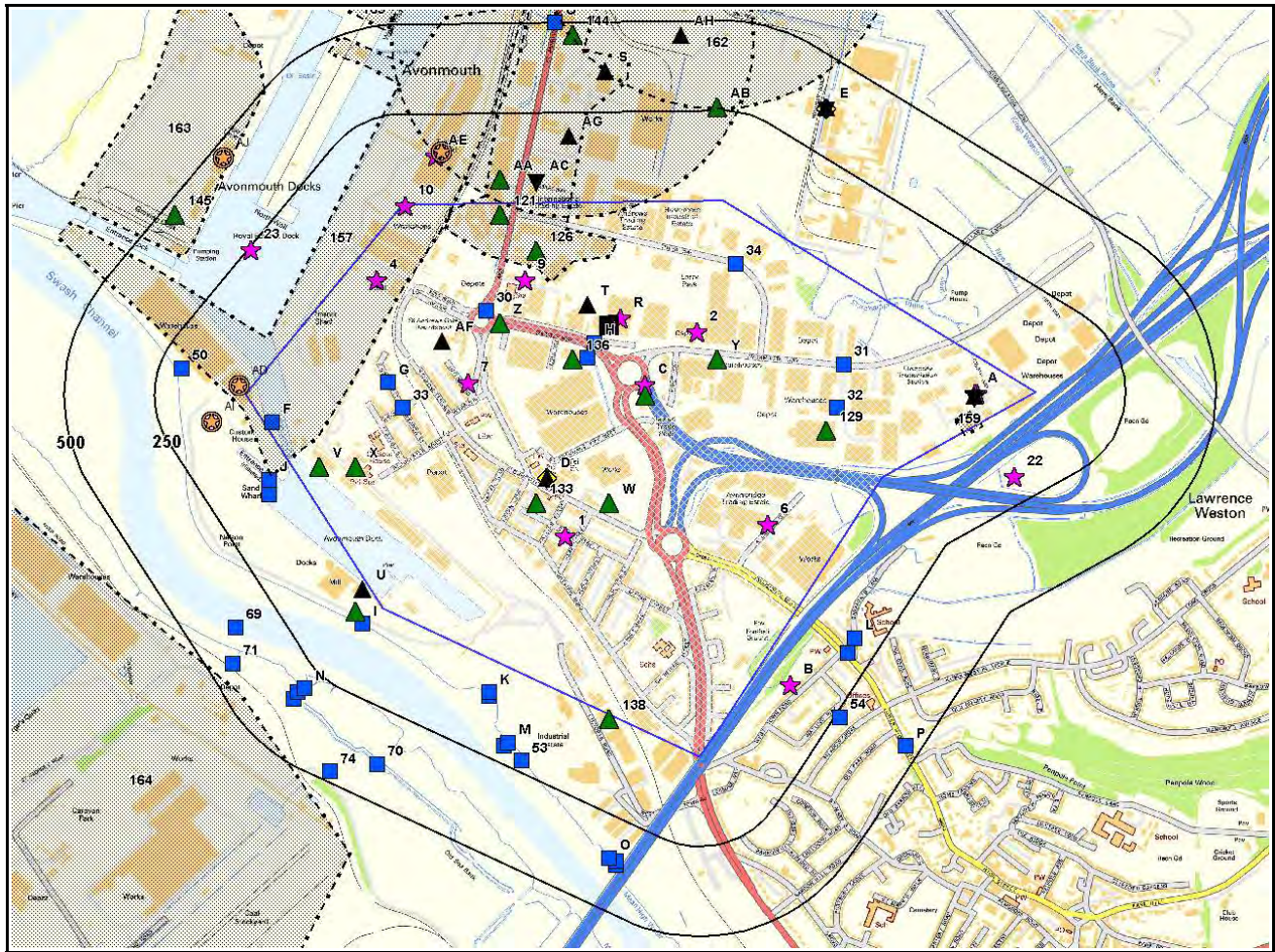
Distance [m]	Direction	Use	Date
0.0	On Site	Docks	1949
0.0	On Site	Pond	1912
0.0	On Site	Pond	1912
0.0	On Site	Unspecified Ground Workings	1901
0.0	On Site	Dock	1901
0.0	On Site	Dock	1991
0.0	On Site	Dock	1979
0.0	On Site	Dock	1938
0.0	On Site	Pond	1912
0.0	On Site	Dock	1902
0.0	On Site	Dock	1912
0.0	On Site	Dock	1912
0.0	On Site	Dock	1883
0.0	On Site	Dock	1921
0.0	On Site	Air Shaft	1883
0.0	On Site	Air Shaft	1883
0.0	On Site	Air Shaft	1902
0.0	On Site	Air Shaft	1912
0.0	On Site	Air Shaft	1901
0.0	On Site	Air Shaft	1912
0.0	On Site	Unspecified Shaft	1938
0.0	On Site	Air Shaft	1921
0.0	On Site	Unspecified Heap	1883
0.0	On Site	Unspecified Heap	1912
0.0	On Site	Unspecified Heap	1902
0.0	On Site	Dock	1991
0.0	On Site	Pond	1902
0.0	On Site	Dock	1922
0.0	On Site	Pond	1912
0.0	On Site	Pond	1902
0.0	On Site	Docks	1991
0.0	On Site	Docks	1979
0.0	On Site	Dock	1922
0.0	On Site	Dock	1938
0.0	On Site	Pond	1912
0.0	On Site	Pond	1902
0.0	On Site	Dock	1921
0.0	On Site	Pond	1912
0.0	On Site	Mortuary	1912
0.0	On Site	Mortuary	1921
0.0	On Site	Pond	1912
0.0	On Site	Unspecified Pit	1921
0.0	On Site	Unspecified Pit	1912
0.0	On Site	Pond	1912
0.0	On Site	Pond	1912
0.0	On Site	Pond	1883
0.0	On Site	Pond	1912
0.0	On Site	Air Shaft (B)	1883
0.0	On Site	Mortuary	1912
0.0	On Site	Mortuary	1938
0.0	On Site	Pond	1901
0.0	On Site	Dock (B)	1912
0.0	On Site	Pond	1912
5.0	N	Refuse Heap	1991

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5.0	N	Refuse Heap	1979
23.0	SW	Unspecified Ground Workings	1901
29.0	SE	Pond	1912
38.0	SW	Pond	1912
41.0	SW	Unspecified Ground Workings	1912
47.0	SW	Dock	1922
79.0	NW	Refuse Heap	1912
80.0	NW	Refuse Heap	1938
83.0	SW	Unspecified Heap	1912
85.0	NW	Refuse Heap	1912
85.0	SW	Unspecified Heap	1902
88.0	N	Pond	1949
93.0	SE	Clay Pit	1921
96.0	SE	Unspecified Pit	1938
96.0	SE	Clay Pit	1912
97.0	SW	Pond	1912
97.0	SW	Pond	1902
97.0	SE	Clay Pit	1912

2. Environmental Permits, Incidents and Registers Map



Authorisations, Incidents and Registers Legend



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

2.Environmental Permits, Incidents and Registers

2.1 Industrial Sites Holding Licences and/or Authorisations

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

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

18

The following IPC Authorisations are represented as points on the Authorisations, Incidents and Registers map:

ID	Distance [m]	Direction	NGR	Details
198H	0.0	On Site	352000, 178500	Operator: Blagden Packaging Nv Address: Avonmouth Way, Bristol, Avon, BS11 9HD Process: Incineration Permit Number: BI1056 Original Permit Number: IPCMINVAR Date Approved: 29-6-2000 Effective Date: 30-6-2000 Status: Revoked - Now Ippc
199H	0.0	On Site	352000, 178500	Operator: Blagden Packaging Nv Address: Avonmouth Way, Bristol, Avon, BS11 9HD Process: Incineration Permit Number: AV0134 Original Permit Number: IPCMINVAR Date Approved: 27-3-1996 Effective Date: 1-4-1996 Status: Superseded By Variation
200H	0.0	On Site	352000, 178500	Operator: Blagden Packaging Nv Address: Avonmouth Way, Bristol, Avon, BS11 9HD Process: Incineration Permit Number: BD5275 Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
201H	0.0	On Site	352000, 178500	Operator: Blagden Packaging Nv Address: Avonmouth Way, Bristol, Avon, BS11 9HD Process: Incineration Permit Number: AG7008 Original Permit Number: IPCAIRAPP Date Approved: 5-5-1993 Effective Date: 5-5-1993 Status: Superseded By Variation
202H	0.0	On Site	352000, 178500	Operator: Blagden Packaging Nv Address: Avonmouth Way, Bristol, Avon, BS11 9HD Process: Incineration Permit Number: AS2980 Original Permit Number: IPCMAJVAR Date Approved: 3-11-1995 Effective Date: 10-11-1995 Status: Superseded By Variation
203S	358.0	N	351990, 179200	Operator: Rhodia Organique Fine Ltd Address: PO Box 46, St Andrews Road, Avonmouth, Bristol, BS11 9YF Process: Processes Involving Halogens Permit Number: BF2315 Original Permit Number: IPCMINVAR Date Approved: 29-1-1999 Effective Date: 31-1-1999 Status: Superseded By Variation
204S	358.0	N	351990, 179200	Operator: Rhodia Organique Fine Ltd Address: PO Box 46, St Andrews Road, Avonmouth, Bristol, BS11 9YF Process: Processes Involving Halogens Permit Number: BF8143 Original Permit Number: IPCMAJVAR Date Approved: 11-11-1999 Effective Date: 12-11-1999 Status: Superseded By Variation
205S	358.0	N	351990, 179200	Operator: Rhodia Organique Fine Ltd Address: PO Box 46, St Andrews Road, Avonmouth, Bristol, BS11 9YF Process: Processes Involving Halogens Permit Number: BA5279 Original Permit Number: IPCMINVAR Date Approved: 25-2-1998 Effective Date: 27-2-1998 Status: Superseded By Variation
206S	358.0	N	351990, 179200	Operator: Rhodia Organique Fine Ltd Address: PO Box 46, St Andrews Road, Avonmouth, Bristol, BS11 9YF Process: Processes Involving Halogens Permit Number: BE3081 Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
207S	358.0	N	351990, 179200	Operator: Rhodia Organique Fine Ltd Address: PO Box 46, St Andrews Road, Avonmouth, Bristol, BS11 9YF Process: Processes Involving Halogens Permit Number: AL9084 Original Permit Number: IPCAIRAPP Date Approved: 23-5-1994 Effective Date: 1-6-1994 Status: Superseded By Variation
208S	358.0	N	351990, 179200	Operator: Rhodia Organique Fine Ltd Address: PO Box 46, St Andrews Road, Avonmouth, Bristol, BS11 9YF Process: Processes Involving Halogens Permit Number: BV0988 Original Permit Number: IPCMAJVAR Date Approved: 24-9-2003 Effective Date: 30-9-2003 Status: Revoked - Now Ippc

209E	366.0	NE	352600, 179100	Operator: St Modwen Development Ltd Address: Kingsweston Lane, Avonmouth, Bristol, BS11 8HT Process: Non-ferrous Metals	Permit Number: BE1372 Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
210E	366.0	NE	352600, 179100	Operator: St Modwen Development Ltd Address: Kingsweston Lane, Avonmouth, Bristol, BS11 8HT Process: Non-ferrous Metals	Permit Number: AS7396 Original Permit Number: IPCAIRAPP Date Approved: 28-12-1995 Effective Date: 1-1-1996 Status: Superseded By Variation
211E	366.0	NE	352600, 179100	Operator: St Modwen Development Ltd Address: Kingsweston Lane, Avonmouth, Bristol, BS11 8HT Process: Non-ferrous Metals	Permit Number: BF4199 Original Permit Number: IPCMINVAR Date Approved: 1-3-1999 Effective Date: 2-3-1999 Status: Superseded By Variation
212E	366.0	NE	352600, 179100	Operator: St Modwen Development Ltd Address: Kingsweston Lane, Avonmouth, Bristol, BS11 8HT Process: Non-ferrous Metals	Permit Number: AZ8099 Original Permit Number: IPCMINVAR Date Approved: 13-11-1997 Effective Date: 1-12-1997 Status: Superseded By Variation
213E	366.0	NE	352600, 179100	Operator: St Modwen Development Ltd Address: Kingsweston Lane, Avonmouth, Bristol, BS11 8HT Process: Non-ferrous Metals	Permit Number: BG4607 Original Permit Number: IPCMAJVAR Date Approved: 15-9-1999 Effective Date: 1-10-1999 Status: Superseded By Variation
214E	366.0	NE	352600, 179100	Operator: St Modwen Development Ltd Address: Kingsweston Lane, Avonmouth, Bristol, BS11 8HT Process: Non-ferrous Metals	Permit Number: BE6846 Original Permit Number: IPCMAJVAR Date Approved: 13-4-1999 Effective Date: 1-5-1999 Status: Superseded By Variation
215E	366.0	NE	352600, 179100	Operator: St Modwen Development Ltd Address: Kingsweston Lane, Avonmouth, Bristol, BS11 8HT Process: Non-ferrous Metals	Permit Number: BY8594 Original Permit Number: IPCMINVAR Date Approved: 30-3-2004 Effective Date: 1-4-2004 Status: Revoked

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

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

ID	Distance [m]	Direction	NGR	Details	
172D	0.0	On Site	351830, 178070	Operator: Rhodia Uk Limited Installation Name: Rhodia Uk Ltd Avonmouth Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS	Permit Number: QP3837SP Original Permit Number: QP3837SP EPR Reference: - Issue Date: 30/6/2006 Effective Date: 30/6/2006 Last date noted as effective: 2013-01-23 Status: Superseded
173D	0.0	On Site	351830, 178070	Operator: Rhodia Uk Limited Installation Name: Rhodia Uk Ltd Avonmouth Eaeprqp3837sps002 Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS	Permit Number: BP3239KW Original Permit Number: QP3837SP EPR Reference: EA/EPR/QP3837SP/S002 Issue Date: - Effective Date: 28/1/2010 Last date noted as effective: 2013-01-23 Status: Surrender Effective
174D	0.0	On Site	351830, 178070	Operator: Rhodia Uk Limited Installation Name: Rhodia Uk Ltd Avonmouth Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS	Permit Number: QP3837SP Original Permit Number: QP3837SP EPR Reference: - Issue Date: 30/6/2006 Effective Date: 30/6/2006 Last date noted as effective: 2013-01-23 Status: Superseded
175D	0.0	On Site	351830, 178070	Operator: Rhodia Uk Limited Installation Name: Rhodia Uk Ltd Avonmouth Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS	Permit Number: QP3637GK Original Permit Number: QP3837SP EPR Reference: EA/EPR/QP3837SP/V002 Issue Date: - Effective Date: - Last date noted as effective: 2009-07-01 Status: Refused

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176D	0.0	On Site	351830, 178070	Operator: Rhodia Uk Limited Installation Name: Rhodia Uk Ltd Avonmouth Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS	Permit Number: QP3637GK Original Permit Number: QP3837SP EPR Reference: EA/EPR/QP3837SP/V002 Issue Date: - Effective Date: - Last date noted as effective: 2009-07-01 Status: Refused
177D	0.0	On Site	351830, 178070	Operator: Rhodia Uk Limited Installation Name: Rhodia Uk Ltd Avonmouth Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS	Permit Number: NP3037GW Original Permit Number: QP3837SP EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 2012-10-01 Status: Refused
178D	0.0	On Site	351830, 178070	Operator: Rhodia Uk Limited Installation Name: Rhodia Uk Ltd Avonmouth Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS	Permit Number: NP3037GW Original Permit Number: QP3837SP EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 2012-10-01 Status: Refused
179A F	0.0	On Site	351540, 178450	Operator: Churngold Remediation Limited Installation Name: Churngold Remediation Process: RECOVERY OF WASTE; HAZARDOUS WASTE >10T/D BY RECYCLING INORGANICS (NOT METALS)	Permit Number: QP3030ZB Original Permit Number: QP3030ZB EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 2013-01-23 Status: Determination
180T	0.0	On Site	351940, 178550	Operator: Blagden Packaging Nv Installation Name: Avonmouth Way Plant Process: ASSOCIATED PROCESS	Permit Number: FP3235SY Original Permit Number: FP3235SY EPR Reference: - Issue Date: 15/12/2005 Effective Date: 15/12/2005 Last date noted as effective: 2013-01-23 Status: Superseded
181T	0.0	On Site	351940, 178550	Operator: Blagden Packaging Nv Installation Name: Avonmouth Way Plant Process: INCINERATION OF HAZARDOUS WASTE	Permit Number: FP3235SY Original Permit Number: FP3235SY EPR Reference: - Issue Date: 15/12/2005 Effective Date: 15/12/2005 Last date noted as effective: 2013-01-23 Status: Superseded
182T	0.0	On Site	351940, 178550	Operator: Pack2pack Uk Ltd Installation Name: Avonmouth Drum Incinerator Process: INCINERATION OF HAZARDOUS WASTE	Permit Number: QP3638UP Original Permit Number: QP3638UP EPR Reference: - Issue Date: 31/5/2007 Effective Date: 31/5/2007 Last date noted as effective: 2013-01-23 Status: Transfer Effective
183T	0.0	On Site	351940, 178550	Operator: Pack2pack Uk Ltd Installation Name: Avonmouth Drum Incinerator Process: ASSOCIATED PROCESS	Permit Number: QP3638UP Original Permit Number: QP3638UP EPR Reference: - Issue Date: 31/5/2007 Effective Date: 31/5/2007 Last date noted as effective: 2013-01-23 Status: Transfer Effective
184A	0.0	On Site	353010, 178300	Operator: Tocris Cookson Ltd Installation Name: Tocris Cookson Ltd Process: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS	Permit Number: BQ2227IF Original Permit Number: BQ2227IF EPR Reference: - Issue Date: 17/6/2002 Effective Date: 19/1/2005 Last date noted as effective: 2013-01-23 Status: Revoked
185A	0.0	On Site	353010, 178300	Operator: Tocris Cookson Ltd Installation Name: - Process: ORGANIC CHEMICALS; HYDROCARBONS EG AROMATICS	Permit Number: BQ2227 Original Permit Number: BQ2227 EPR Reference: - Issue Date: 17-6-2002 Effective Date: 18-6-2002 Last date noted as effective: 2004-10-01 Status: Superseded By Pas

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186U	23.0	SW	351320, 177760	Operator: Adm Milling Ltd Installation Name: Hosegood Flour Mill Process: ASSOCIATED PROCESS	Permit Number: CP3733HZ Original Permit Number: BM8916ID EPR Reference: - Issue Date: 4/4/2011 Effective Date: 4/4/2011 Last date noted as effective: 2013-01-23 Status: Effective
187U	23.0	SW	351320, 177760	Operator: Adm Milling Ltd Installation Name: Hosegood Flour Mill Process: ASSOCIATED PROCESS	Permit Number: BM8916ID Original Permit Number: BM8916ID EPR Reference: - Issue Date: 19/10/2005 Effective Date: 19/10/2005 Last date noted as effective: 2013-01-23 Status: Superseded
188U	23.0	SW	351320, 177760	Operator: Adm Milling Ltd Installation Name: Hosegood Flour Mill Process: ANIMAL VEGETABLE AND FOOD; TREATING ETC VEGETABLE RAW MATERIALS FOR FOOD >300T/D	Permit Number: BM8916ID Original Permit Number: BM8916ID EPR Reference: - Issue Date: 19/10/2005 Effective Date: 19/10/2005 Last date noted as effective: 2013-01-23 Status: Superseded
189U	23.0	SW	351320, 177760	Operator: Adm Milling Ltd Installation Name: Hosegood Flour Mill Process: ANIMAL VEGETABLE AND FOOD; TREATING ETC VEGETABLE RAW MATERIALS FOR FOOD >300T/D	Permit Number: CP3733HZ Original Permit Number: BM8916ID EPR Reference: - Issue Date: 4/4/2011 Effective Date: 4/4/2011 Last date noted as effective: 2013-01-23 Status: Effective
190A G	179.0	N	351890, 179020	Operator: Andersons Waste Treatment Centre Limited Installation Name: Andersons Waste Management Limited Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT	Permit Number: GP3538CA Original Permit Number: GP3538CA EPR Reference: - Issue Date: 21/9/2012 Effective Date: 21/9/2012 Last date noted as effective: 2013-01-23 Status: Effective
191E	366.0	NE	352600, 179100	Operator: Britannia Zinc Ltd Installation Name: - Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE	Permit Number: BU6905 Original Permit Number: BU6905 EPR Reference: - Issue Date: 5-2-2004 Effective Date: 5-2-2004 Last date noted as effective: 2004-10-01 Status: Superseded By Pas
192E	366.0	NE	352600, 179100	Operator: St Modwens Developments Ltd Installation Name: Kingsweston Landfill Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE	Permit Number: VP3737XK Original Permit Number: BU6905IG EPR Reference: - Issue Date: 21/7/2008 Effective Date: 21/7/2008 Last date noted as effective: 2013-01-23 Status: Superseded
193E	366.0	NE	352600, 179100	Operator: St Modwens Developments Ltd Installation Name: Kingsweston Landfill Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE	Permit Number: RP3538FK Original Permit Number: BU6905IG EPR Reference: - Issue Date: 30/11/2011 Effective Date: 30/11/2011 Last date noted as effective: 2013-01-23 Status: Effective
194E	366.0	NE	352600, 179100	Operator: Britannia Zinc Ltd Installation Name: Britannia Zinc Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE	Permit Number: BU6905IG Original Permit Number: BU6905IG EPR Reference: - Issue Date: 5/2/2004 Effective Date: 5/2/2004 Last date noted as effective: 2013-01-23 Status: Superseded
195E	366.0	NE	352600, 179100	Operator: St Modwens Developments Ltd Installation Name: Kingsweston Landfill Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE	Permit Number: GP3337PB Original Permit Number: BU6905IG EPR Reference: - Issue Date: 13/9/2004 Effective Date: 15/9/2004 Last date noted as effective: 2013-01-23 Status: Superseded

196E	366.0	NE	352600, 179100	Operator: St Modwens Developments Ltd Installation Name: Kingsweston Landfill Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE	Permit Number: BP3337SQ Original Permit Number: BU69051G EPR Reference: - Issue Date: 4/10/2006 Effective Date: 5/10/2006 Last date noted as effective: 2013-01-23 Status: Superceded
197A H	456.0	N	352200, 179300	Operator: New Earth Energy (west) Operations Limited Installation Name: Avonmouth Energy Facility Process: INCINERATION OF NON HAZARDOUS WASTE >1T/HR	Permit Number: JP3535CE Original Permit Number: JP3535CE EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 2013-01-23 Status: Determination

Records of Water Industry Referrals (potentially harmful discharges to the public sewer) within 500m of the study site: 1

The following Water Industry Referral records are represented as points on the Authorisations, Incidents and Registers map:

ID	Distance [m]	Direction	Address	Permission reference	Local Authority	First Date Received	Last Date Received	Status
227 H	0.0	On Site	Blagden Packaging Nv, Avonmouth Way, Bristol, Avon, Bs11 9hd	AJ8249	Bristol City Council	01-06-2001	01-04-2008	Dead (application)

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.

Records of List 1 Dangerous Substances Inventory Sites within 500m of the study site: 2

The following List 1 Dangerous Substance Inventory Site records are represented as points on the Authorisations, Incidents and Registers map:

ID	Distance [m]	Direction	NGR	Details
25D	0.0	On Site	351830, 178074	Name: Rhodia (rhone Poulenc) Chemicals Status: Active Receiving Water: Severn Estuary Authorised Substances: Cadmium
26E	366.0	NE	352600, 179100	Name: Britannia Zinc Ltd Status: Active Receiving Water: Severn Estuary, Groundwater Authorised Substances: Cadmium

Records of List 2 Dangerous Substance Inventory Sites within 500m of the study site: 3

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

ID	Distance [m]	Direction	NGR	Details
27D	0.0	On Site	351830, 178074	Name: Rhodia, Avonmouth Status: Active Receiving Water: - Authorised Substances: Copper, Iron, Lead, pH, Zinc
28D	0.0	On Site	351830, 178074	Name: Rhodia, Avonmouth Status: Not Active Receiving Water: Severn Estuary (upper) Authorised Substances: Copper, Iron, Lead, pH, Zinc

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29E	366.0	NE	352600, 179100	Name: Britannia Zinc Ltd Status: Active Receiving Water: Groundwater	Authorised Substances: Arsenic, Lead, Zinc

Records of Part A(2) and Part B Activities and Enforcements within 500m of the study site:
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The following Part A(2) and Part B Activities are represented as points on the Authorisations, Incidents and Registers map:

ID	Distance [m]	Direction	NGR	Details	
121	0.0	On Site	351700, 178800	Address: Hill Leigh Ltd St Andrews Rd, Bs11 9ht Process: Timber Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
122Z	0.0	On Site	351700, 178500	Address: Avon Mini Mix St Andrews Rd, Bs11 9eb Process: Cement/lime/mortar Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
123V	0.0	On Site	351200, 178100	Address: First Corporate Shipping Ltd Bristol Bulk Terminal, St Andrews Rd,bs11 9eb Process: Quarry/mineral/chalk Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
124V	0.0	On Site	351200, 178100	Address: Castle Cement Ltd Royal Edward Dock, Bs11 9dq Process: Cement/lime/mortar Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
125V	0.0	On Site	351200, 178100	Address: Portbury Bulk Materials Ltd St. Andrews Rd, Bs11 9eb Process: Quarry/mineral/chalk Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
126	0.0	On Site	351800, 178700	Address: Technical Converters Ltd 5 Third Way, Bs11 9hl Process: Coating & Enamelling Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
127W	0.0	On Site	352000, 178000	Address: Bp Chemicals Ltd Avonmouth Rd, Bs11 9du Process: Coating & Enamelling Process, Process:asbestos Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
128W	0.0	On Site	352000, 178000	Address: Westland Aerospace Process: Asbestos Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
129	0.0	On Site	352600, 178200	Address: Rectcel Severnside Second Way, Avonmouth Way,bs11 8dh Process: Coating & Enamelling Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
130C	0.0	On Site	352100, 178300	Address: Ross Gordon Engineering Ltd First Way, Bs11 9ef Process: Coating & Enamelling Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
131X	0.0	On Site	351300, 178100	Address: Bp Gas Process: Gasification/gas Odourisation Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.

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132X	0.0	On Site	351300, 178100	Address: Bristol Oil Storage Limited Royal Edward Dock, Bs11 9bt Process: Petrol Vapour Recovery Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
133	0.0	On Site	351800, 178000	Address: Avonmouth Fill Stn Avonmouth Road, Bs11 9lp Process: Petrol Vapour Recovery Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
134Y	0.0	On Site	352300, 178400	Address: John Carr Ltd Avonmouth Way, Bs11 9ya Process: Timber Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
135Y	0.0	On Site	352300, 178400	Address: Rugby Joinery Process: Timber Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
136	0.0	On Site	351900, 178400	Address: Blagden Packaging Ltd Avonmouth Way, Bs11 9hd Process: Coating & Enamelling Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
137Z	0.0	On Site	351700, 178500	Address: Medipower Services Ltd(prev Motherwell Bridge Envirotec) Smoke Lane, Bs11 9hq Process: Incineration & Furnace Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
138	18.0	SW	352000, 177400	Address: Price Brothers Portview Rd, Bs11 9lb Process: Waste Oil Burning Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
139A A	61.0	N	351700, 178900	Address: Esso St. Andrews Road, Bs11 9hs Process: Petrol Vapour Recovery Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
140A A	61.0	N	351700, 178900	Address: Pioneer Concrete Ltd St. Andrews Rd, Bs11 9hs Process: Cement/lime/mortar Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
141I	73.0	SW	351300, 177700	Address: Dalgety Agriculture Ltd Victoria Rd, Bs11 9dr Process: Coating & Enamelling Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
142A B	255.0	N	352300, 179100	Address: Sugarich Process: Pet Food/rendering/animals/plant Treatment Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
143A B	255.0	N	352300, 179100	Address: Scotts Avonmouth Ltd Third Way, Bs11 9hh Process: Vehicle Re-spray Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
144	459.0	N	351900, 179300	Address: Rmc Concrete Products Ltd St Andrews Rd, Bs11 9eb Process: Cement/lime/mortar Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.

145	465.0	NW	350800, 178800	Address: First Corp Shipping Process: Quarry/mineral/chalk Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.

Records of Category 3 or 4 Radioactive Substance Licences within 500m of the study site:

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The following RAS Licence (3 or 4) records are represented as points on the Authorisations, Incidents and Registers map:

ID	Distance [m]	Direction	Address	Operator	Type	Permission Number	Dates	Status
216A	0.0	On Site	Tocris Cookson Ltd, Northpoint, fourth Way, avonmouth, Bristol, BS11 8TA	Tocris Cookson Ltd	Keeping And Use Of Radioactive Materials (was Rsa60 Section 1).	BF0983	Date of Approval: 1 /8/2002 Effective from: 2/8/ 2002 Last date of update: 20 13-01-23	Revoked/ cancelled
217A	0.0	On Site	Tocris Cookson Ltd, Northpoint, fourth Way, avonmouth, Bristol, BS11 8TA	Tocris Cookson Ltd	Keeping And Use Of Radioactive Materials (was Rsa60 Section 1).	BF0983	Date of Approval: 1 /7/1999 Effective from: 8/7/ 1999 Last date of update: 20 13-01-23	Superseded By Variation
218A	0.0	On Site	Tocris Cookson Ltd, Northpoint, Fourth Way, Avonmouth, Bristol, BS11 8TA	Tocris Cookson Ltd	Disposal Of Radioactive Waste (was Rsa60 Section 6).	BF1009	Date of Approval: 1 6/7/1999 Effective from: 17/8 /1999 Last date of update: 20 13-01-23	Superseded By Variation
219A	0.0	On Site	Tocris Cookson Ltd, Northpoint, Fourth Way, Avonmouth, Bristol, BS11 8TA	Tocris Cookson Ltd	Disposal Of Radioactive Waste (was Rsa60 Section 6).	BF1009	Date of Approval: 2 /8/2002 Effective from: 3/9/ 2002 Last date of update: 20 13-01-23	Superseded By Variation
220A	0.0	On Site	Tocris Cookson Ltd, Northpoint, Fourth Way, Avonmouth, Bristol, BS11 8TA	Tocris Cookson Ltd	Disposal Of Radioactive Waste (was Rsa60 Section 6).	BF1009	Date of Approval: 1 4/7/2004 Effective from: 15/7 /2004 Last date of update: 20 13-01-23	Revoked/ cancelled
221A C	60.0	N	Srcl Ltd, Smoke Lane, St Andrews Road, Bristol, BS11 9HZ	Srcl Ltd	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AY4128	Date of Approval: 1 /7/1997 Effective from: 2/7/ 1997 Last date of update: 20 13-01-23	Superseded By Variation

222A C	60.0	N	Srcl Ltd, Smoke Lane, St Andrews Road, Bristol, BS11 9HZ	Srcl Ltd	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AY4128	Date of Approval: 14/1/2003 Effective from: 7/3/2003 Last date of update: 2013-01-23	Revoked/cancelled
223A C	60.0	N	Motherwell Bridge Envirotec Ltd, Smoke Lane, St Andrews Road, Bristol, BS11 9HZ	Motherwell Bridge Envirotec Ltd	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AU2298	Date of Approval: 27/3/1996 Effective from: 1/4/1996 Last date of update: 2013-01-23	Revoked/cancelled
224E	366.0	NE	Pasminco Europe (smelting) Ltd, Kings Weston Lane, Bristol, Avon, BS11 8HT	Pasminco Europe (smelting) Ltd	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AA4910	Date of Approval: 16/9/1991 Effective from: 14/10/1991 Last date of update: 2013-01-23	Expired
225E	366.0	NE	St Modwen Development Ltd, Kingsweston Lane, Avonmouth, Bristol, BS11 8HT	St Modwen Development Ltd	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AV6167	Date of Approval: 3/2/1997 Effective from: 3/3/1997 Last date of update: 2013-01-23	Revoked/cancelled
226E	366.0	NE	Pasminco Europe (smelting) Ltd, Kings Weston Lane, Bristol, Avon, BS11 8HT	Pasminco Europe (smelting) Ltd	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AG3673	Date of Approval: 1/2/1993 Effective from: 1/3/1993 Last date of update: 2013-01-23	Revoked/cancelled

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

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The following Licensed Discharge Consents records are represented as points on the Authorisations, Incidents and Registers map:

ID	Distance [m]	Direction	NGR	Details
30	0.0	On Site	351660, 178540	Address: Queen St Cso, Junc Meadow Street, Avonmouth, Bristol Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: 102069 Permit Version: 1 Receiving Water: River Severn(e) Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 26/3/2003 Effective Date: 31/3/2003 Revocation Date: -
31	0.0	On Site	352650, 178390	Address: Avonmouth Way, E Junc St Andrews Road, Bristol Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: 011192 Permit Version: 1 Receiving Water: River Bristol Avon Status: Revoked - Unspecified Issue date: - Effective Date: 12/9/1989 Revocation Date: 30/3/2003
32	0.0	On Site	352630, 178270	Address: Station Road (off), Shirehampton, Bristol Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: 021615 Permit Version: 1 Receiving Water: River Avon (e) Status: Revoked - Unspecified Issue date: - Effective Date: - Revocation Date: 11/8/2003

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33	0.0	On Site	351430, 178270	Address: Queen St Cso, Junc Meadow Street, Avonmouth, Bristol Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: 011187 Permit Version: 1	Receiving Water: River Bristol Avon Status: Revoked - Unspecified Issue date: - Effective Date: 12/9/1989 Revocation Date: 31/3/2003
34	0.0	On Site	352350, 178670	Address: Third Way Cso, St Andrews Rd, Avonmouth, Bristol, . Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: 011189 Permit Version: 1	Receiving Water: River Bristol Avon Status: Revoked - Unspecified Issue date: - Effective Date: 12/9/1989 Revocation Date: 22/4/2003
35F	0.0	On Site	351070, 178230	Address: Remix Dry Mortar & Plaster Plant, Avonmouth Docks, Bristol, BS11 9DH Effluent Type: Trade Discharges - Site Drainage Permit Number: 102197 Permit Version: 1	Receiving Water: River Avon Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 3/10/2003 Effective Date: 8/7/2003 Revocation Date: -
36F	0.0	On Site	351070, 178230	Address: Remix Dry Mortar & Plaster Plant, Avonmouth Docks, Bristol, BS11 9DH Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: 102197 Permit Version: 1	Receiving Water: River Avon Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 3/10/2003 Effective Date: 8/7/2003 Revocation Date: -
37G	0.0	On Site	351390, 178340	Address: Near 32 King Street, Bristol, Bristol, BS11 9AP Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: 011186 Permit Version: 1	Receiving Water: River Bristol Avon Status: Temporary Consents (water Act 1989, Section 113) Issue date: - Effective Date: 12/9/1989 Revocation Date: 27/9/2010
38G	0.0	On Site	351390, 178340	Address: Near 32 King Street, Bristol, Bristol, BS11 9AP Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: 011186 Permit Version: 2	Receiving Water: River Bristol Avon Status: Varied Under Epr 2010 Issue date: 28/9/2010 Effective Date: 28/9/2010 Revocation Date: -
39H	0.0	On Site	351960, 178450	Address: Avonmouth Way, E Junc St Andrews Road, Bristol Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: 011188 Permit Version: 1	Receiving Water: River Bristol Avon Status: Revoked - Unspecified Issue date: - Effective Date: 12/9/1989 Revocation Date: 12/8/2003
40H	0.0	On Site	351940, 178410	Address: Ex Silver Arrow Services, Avonmouth Way, Avonmouth, Bristol, Avon Effluent Type: Trade Discharges - Site Drainage Permit Number: 012322 Permit Version: 1	Receiving Water: Rhyne Status: New Consent, By Application (wra 91, Section 113 & Sched 12) Issue date: 2/12/1993 Effective Date: - Revocation Date: -
41I	69.0	SW	351320, 177670	Address: Hosegoods Mill, Old Dock, Avonmouth, Bristol, BS11 9DL Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: 012126 Permit Version: 1	Receiving Water: River Avon Status: Lapsed Under Schedule 23 Environment Act 1995 Issue date: 1/6/1993 Effective Date: 25/5/1993 Revocation Date: 1/10/1996
42I	69.0	SW	351320, 177670	Address: Hosegoods Mill, Old Dock, Avonmouth, Bristol, BS11 9DL Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: 100259 Permit Version: 1	Receiving Water: River Avon Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 24/3/1997 Effective Date: 24/3/1997 Revocation Date: -
43J	74.0	SW	351060, 178070	Address: Bristol Channel Aggregates Ltd, Junction Cut, Avonmouth Old Lock, Avonmouth, Bristol, BS11 9DH Effluent Type: Trade Discharges - Site Drainage Permit Number: 100088 Permit Version: 1	Receiving Water: Avonmouth Old Lock Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 9/5/1997 Effective Date: 9/5/1997 Revocation Date: -
44J	74.0	SW	351060, 178070	Address: Bristol Channel Aggregates Ltd, Junction Cut, Avonmouth Old Lock, Avonmouth, Bristol, BS11 9DH Effluent Type: Trade Discharges - Site Drainage Permit Number: 100088 Permit Version: 1	Receiving Water: Avonmouth Old Lock Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 9/5/1997 Effective Date: 9/5/1997 Revocation Date: -

45K	85.0	SW	351670, 177480	Address: Avonmouth 610mm Sewer Outfall, Bristol Effluent Type: Miscellaneous Discharges - Surface Water Permit Number: 021628 Permit Version: 1	Receiving Water: Trib Of River Bristol Avon Status: Revoked - Unspecified Issue date: - Effective Date: - Revocation Date: 12/8/2003
46K	94.0	SW	351670, 177470	Address: Avonmouth 'b' Pumping Station, Off Victoria Road, Avonmouth, Bristol, Avon Effluent Type: Sewage Discharges - Pumping Station - Water Company Permit Number: 012020 Permit Version: 1	Receiving Water: Bristol Avon Status: New Consent, By Application (wra 91, Section 113 & Sched 12) Issue date: 23/7/1996 Effective Date: 23/7/1996 Revocation Date: -
47J	96.0	SW	351060, 178030	Address: Bristol Channel Aggregates Ltd, Junction Cut, Avonmouth Old Lock, Avonmouth, Bristol, BS11 9DH Effluent Type: Trade Discharges - Site Drainage Permit Number: 100088 Permit Version: 1	Receiving Water: Avonmouth Old Lock Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 9/5/1997 Effective Date: 9/5/1997 Revocation Date: -
48L	178.0	SE	352680, 177630	Address: Outside 16 Barracks Lane, Bristol Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: 011195 Permit Version: 1	Receiving Water: River Bristol Avon Status: Revoked - Unspecified Issue date: - Effective Date: 12/9/1989 Revocation Date: 22/4/2003
49L	183.0	SE	352660, 177590	Address: Outside 4 Avonmouth Road, Bristol Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: 011193 Permit Version: 1	Receiving Water: River Bristol Avon Status: Revoked - Unspecified Issue date: - Effective Date: 12/9/1989 Revocation Date: 30/3/2003
50	191.0	NW	350820, 178380	Address: Avonmouth Fruit Terminal, S Shed, Avonmouth Docks, Avonmouth, Bristol, BS11 9AT Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: 101982 Permit Version: 1	Receiving Water: River Avon Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: - Effective Date: 25/9/2002 Revocation Date: -
51M	191.0	SW	351720, 177340	Address: Dalgety Agriculture Ltd, Victoria Road, Avonmouth, Bristol, Avon, BS11 9DR Effluent Type: Trade Discharges - Process Effluent - Not Water Company Permit Number: 012559 Permit Version: 1	Receiving Water: River Avon Status: New Consent, By Application (wra 91, Section 113 & Sched 12) Issue date: 9/6/1995 Effective Date: 30/5/1995 Revocation Date: -
52M	204.0	SW	351710, 177330	Address: Tip Europe Ltd, Victoria Road, Avonmouth, Bristol, . Effluent Type: Trade Discharges - Site Drainage Permit Number: 101852 Permit Version: 1	Receiving Water: River Avon Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 5/4/2002 Effective Date: 5/4/2002 Revocation Date: -
53	219.0	SW	351760, 177290	Address: Dalgety Agriculture Ltd, Victoria Road, Avonmouth, Bristol, Avon, BS11 9DR Effluent Type: Trade Discharges - Site Drainage Permit Number: 012559 Permit Version: 1	Receiving Water: River Avon Status: New Consent, By Application (wra 91, Section 113 & Sched 12) Issue date: 9/6/1995 Effective Date: 30/5/1995 Revocation Date: -
54	264.0	SE	352640, 177410	Address: Rear Garden 27 Watling Way, Bristol Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: 011191 Permit Version: 1	Receiving Water: River Bristol Avon Status: Revoked - Unspecified Issue date: - Effective Date: 12/9/1989 Revocation Date: 30/3/2003
55N	309.0	SW	351160, 177490	Address: Marsh Lane, Land Adj, Royal Portbury Dock, Easton-in-gordano, Bristol Effluent Type: Miscellaneous Discharges - Surface Water Permit Number: 010436 Permit Version: 1	Receiving Water: Avon, River Bristol Status: New Consent, By Application (wra 91, Section 88) Issue date: - Effective Date: 18/7/1991 Revocation Date: -
56N	309.0	SW	351160, 177490	Address: Marsh Lane, Land Adj, Royal Portbury Dock, Easton-in-gordano, Bristol Effluent Type: Miscellaneous Discharges - Surface Water Permit Number: 010436 Permit Version: 1	Receiving Water: Avon, River Bristol Status: New Consent, By Application (wra 91, Section 88) Issue date: - Effective Date: 18/7/1991 Revocation Date: -

57N	330.0	SW	351140, 177480	Address: River Avon Foreshore/daimler, Chrysler Site, Royal Portbury Docks, Bristol, . Effluent Type: Trade Discharges - Site Drainage Permit Number: 101256 Permit Version: 1	Receiving Water: River Avon Foreshore Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 24/8/2000 Effective Date: 17/8/2000 Revocation Date: -
58N	351.0	SW	351130, 177460	Address: River Avon Foreshore/daimler, Chrysler Site, Royal Portbury Docks, Bristol, . Effluent Type: Trade Discharges - Site Drainage Permit Number: 101570 Permit Version: 1	Receiving Water: River Avon Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 14/9/2001 Effective Date: 2/9/2001 Revocation Date: -
590	362.0	SW	352000, 177020	Address: Portway Cso, Outfall M5, Bristol Effluent Type: Miscellaneous Discharges - Surface Water Permit Number: 021629 Permit Version: 1	Receiving Water: Trib Of River Bristol Avon Status: Revoked - Unspecified Issue date: - Effective Date: - Revocation Date: 30/3/2003
600	362.0	SW	352020, 177010	Address: Lower High Street Cso, Jnc With West Town Road And, Avonmouth Road, Avonmouth, Bristol, . Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: 102073 Permit Version: 1	Receiving Water: River Avon (e) Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 26/3/2003 Effective Date: 31/3/2003 Revocation Date: -
610	362.0	SW	352020, 177010	Address: Avonmouth Way C S O, Jnct With Second Way, Shirehampton, Avonmouth, Bristol, . Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: 102068 Permit Version: 1	Receiving Water: River Avon (e) Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 26/3/2003 Effective Date: 31/3/2003 Revocation Date: -
620	362.0	SW	352020, 177010	Address: 45 Old Park Rd Cso, Shirehampton, Avonmouth, Bristol, . Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: 102090 Permit Version: 1	Receiving Water: River Avon (e) Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 12/8/2003 Effective Date: 12/8/2003 Revocation Date: -
630	362.0	SW	352020, 177010	Address: Watling Way Cso, R/o 27 Watling Way, Avonmouth, Bristol, Avon, . Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: 102071 Permit Version: 1	Receiving Water: River Avon (e) Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 26/3/2003 Effective Date: 31/3/2003 Revocation Date: -
640	362.0	SW	352020, 177010	Address: Lower High Street Cso, Shirehampton, Avonmouth, Bristol, . Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: 102066 Permit Version: 1	Receiving Water: River Avon (e) Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 26/3/2003 Effective Date: 31/3/2003 Revocation Date: -
650	362.0	SW	352020, 177010	Address: Portway Cso, Under Mf Avon Bridge, Bristol, BS11 9LS Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: 101997 Permit Version: 1	Receiving Water: Tidal River Avon(e) Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 12/3/2003 Effective Date: 31/3/2003 Revocation Date: -
660	362.0	SW	352020, 177010	Address: Lower High Street Cso, Jn West Town Rd/avonmouth Rd, Shirehampton, Avonmouth, Bristol Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: 102091 Permit Version: 1	Receiving Water: River Avon (e) Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 12/8/2003 Effective Date: 12/8/2003 Revocation Date: -
670	362.0	SW	352020, 177010	Address: Portway Cso, Under Mf Avon Bridge, Bristol, BS11 9LS Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: 102067 Permit Version: 1	Receiving Water: River Avon (e) Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 26/3/2003 Effective Date: 31/3/2003 Revocation Date: -

68O	371.0	SW	352020, 177000	Address: Avonmouth 'a' Pumping Station, Underneath M5 Bridge, Avonmouth, Bristol, Avon Effluent Type: Sewage Discharges - Pumping Station - Water Company Permit Number: 012019 Permit Version: 1	Receiving Water: Bristol Avon Status: Revoked - Unspecified Issue date: 27/9/1995 Effective Date: 23/7/1996 Revocation Date: 30/3/2003
69	372.0	SW	350970, 177660	Address: Axial Site, River Road, Portbury Dock, Bristol, . Effluent Type: Trade Discharges - Site Drainage Permit Number: 100696 Permit Version: 1	Receiving Water: River Avon Status: Revoked (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: - Effective Date: - Revocation Date: 14/8/2000
70	398.0	SW	351360, 177280	Address: River Avon Foreshore/daimler, Chrysler Site, Royal Portbury Docks, Bristol, . Effluent Type: Trade Discharges - Site Drainage Permit Number: 101571 Permit Version: 1	Receiving Water: River Avon Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 14/9/2001 Effective Date: 2/9/2001 Revocation Date: -
71	434.0	SW	350960, 177560	Address: River Avon Foreshore/daimler, Chrysler Site, Royal Portbury Docks, Bristol, . Effluent Type: Trade Discharges - Site Drainage Permit Number: 101255 Permit Version: 1	Receiving Water: River Avon Foreshore Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 24/8/2000 Effective Date: 17/8/2000 Revocation Date: -
72P	459.0	SE	352820, 177330	Address: Lower High Street Cso, Shirehampton, Avonmouth, Bristol, . Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: 011199 Permit Version: 1	Receiving Water: River Bristol Avon Status: Temporary Consents (water Act 1989, Section 113) Issue date: - Effective Date: 12/9/1989 Revocation Date: 13/4/2009
73P	459.0	SE	352820, 177330	Address: Lower High Street Cso, Shirehampton, Avonmouth, Bristol, . Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: 011199 Permit Version: 2	Receiving Water: River Bristol Avon Status: Revoked (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 14/4/2009 Effective Date: 14/4/2009 Revocation Date: 18/8/2009
74	471.0	SW	351230, 177260	Address: Bulk Handling Terminal, Royal Portbury Dock, Bristol, Avon Effluent Type: Trade Discharges - Process Effluent - Not Water Company Permit Number: 012039 Permit Version: 1	Receiving Water: Common Land Boundary (e) Status: New Consent, By Application (wra 91, Section 113 & Sched 12) Issue date: 6/1/1993 Effective Date: - Revocation Date: -
75Q	500.0	N	351850, 179340	Address: St Andrews Road South, Bristol Effluent Type: Sewage Discharges - Final/treated Effluent - Water Company Permit Number: 021627 Permit Version: 1	Receiving Water: Trib Of River Bristol Avon (s) Status: Revoked - Unspecified Issue date: - Effective Date: - Revocation Date: 31/3/2003
76Q	500.0	N	351850, 179340	Address: The Avon Truckstop, Third Way, Avonmouth, Bristol, Avon Effluent Type: Trade Discharges - Site Drainage Permit Number: 012331 Permit Version: 1	Receiving Water: Severn Estuary Status: New Consent, By Application (wra 91, Section 113 & Sched 12) Issue date: 1/11/1993 Effective Date: - Revocation Date: -

Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site: 5

The following records are represented as polygons on the Industrial Sites and Processes map.

ID	Distance [m]	Direction	Application Reference Number	Application Status	Application Date	Address	Details	Details of Enforcement Action

228 AD	30.0	NW	00/03268/W	Application Withdrawn	26/09/200 0	R Shed, Royal Edward Dock, Bristol, BS11 9BT	Hazardous Substances for storage of upto 4,000 tonnes of bulk/bags of EEC Grade Ammonium Nitrate Fertilizer.	Enforcement: Data requested, not received. Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
229 AD	30.0	NW	08/03521/W	Approved	14/08/200 8	R Shed, Royal Edward, Dock, Bristol, BS11 9BT	Hazardous substances application - storage of ammonium nitrate based products	Enforcement: Data requested, not received. Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
230 AI	122.0	SW	95/00366/W	Application Withdrawn	23/02/199 5	O Shed, Royal Edward Dock, Avonmouth, Bristol., BS11 9BT	Storage of Ammonium Nitrate.	Enforcement: Data requested, not received. Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
231 AE	144.0	N	96/01345/W	Approved	19/06/199 6	E Shed, Royal Edward Dock, Avonmouth, Bristol., BS11 9BE	Storage of bulk or bags of EEC grade ammonium nitrate fertilizer (maximum 20,000 tonnes).	Enforcement: Data requested, not received. Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
232 AJ	465.0	NW	08/03517/W	Approved	14/08/200 8	T Shed North, Royal Edward Dock, Bristol, BS11 9BE	Hazardous substances application - storage of ammonium nitrate based products.	Enforcement: Data requested, not received. Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified

2.2 Dangerous or Hazardous Sites

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

9

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

ID	Distance [m]	Direction	NGR	Address	Type	Update
15 7	0.0	On Site	351300, 178100	ag tiles ltd,royal edward dock,avonmouth,bristol,bs11 9bt	NIHHS	2001
15 8Q	0.0	On Site	351900, 179300	m & j transport,hydro estate,st andrews road,avonmouth,bristol,bs11 9hw	COMAH	2001
15 9	0.0	On Site	353000, 178200	handygas ltd,fourth way,avonmouth,bristol,bs11 8dl	NIHHS	2001
16 0Q	0.0	On Site	352000, 179000	hydrofertilisers ltd,st andrews road,avonmouth	COMAH	2001
16 1Q	0.0	On Site	352000, 179000	hydrofertilisers ltd,st andrews road,avonmouth	NIHHS	2001

Report Reference: HMD-441-912071

16 2	255.0	N	352300, 179600	rhodia ltd,st andrews road,avonmouth,bristol,bs11 9hw	COMAH	2001
16 3	376.0	NW	350800, 179000	shell uk oil,royal edward dock,avonmouth,bristol	NIHHS	2001
16 4	457.0	SW	350400, 177200	agriculture bulk services ltd,royal portbury dock,portbury,bs20 7xl	NIHHS	2001
16 5	481.0	N	351500, 180000	bp oil (uk) ltd,royal edward dock,avonmouth,bristol,bs11 9bt	COMAH	2001

2.3 Environment Agency Recorded Pollution Incidents

Records of National Incidents Recording System, List 2 within 250m of the study site:

23

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

ID	Distance [m]	Direction	NGR	Details
1	0.0	On Site	351878, 177912	Incident Date: 12/7/2001 Incident Identification: 15927 Pollutant: Oils and Fuel Pollutant Description: Gas and Fuel Oils Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
2	0.0	On Site	352242, 178480	Incident Date: 21/3/2002 Incident Identification: 65710 Pollutant: Specific Waste Materials Pollutant Description: Household Waste Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
3A	0.0	On Site	353011, 178310	Incident Date: 21/7/2003 Incident Identification: 175488 Pollutant: Other Pollutant Pollutant Description: Radionuclide Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
4	0.0	On Site	351357, 178625	Incident Date: 7/10/2011 Incident Identification: 931663 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Dust Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
5C	0.0	On Site	352098, 178335	Incident Date: 30/9/2002 Incident Identification: 111564 Pollutant: Oils and Fuel Pollutant Description: Petrol Water Impact: Category 3 (Minor) Land Impact: Category 2 (Significant) Air Impact: Category 2 (Significant)
6	0.0	On Site	352439, 177945	Incident Date: 22/3/2001 Incident Identification: 689 Pollutant: Inorganic Chemicals/Products Pollutant Description: Acids Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
7	0.0	On Site	351609, 178339	Incident Date: 27/8/2002 Incident Identification: 103198 Pollutant: Inorganic Chemicals/Products Pollutant Description: Acids Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
8A	0.0	On Site	353015, 178309	Incident Date: 2/12/2003 Incident Identification: 204579 Pollutant: Organic Chemicals/Products Pollutant Description: Other Organic Chemical or Product Water Impact: Category 2 (Significant) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
9	0.0	On Site	351768, 178625	Incident Date: 4/3/2002 Incident Identification: 61613 Pollutant: Specific Waste Materials Pollutant Description: Household Waste Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
10	0.0	On Site	351436, 178832	Incident Date: 22/2/2002 Incident Identification: 60812 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)
11R	0.0	On Site	352030, 178520	Incident Date: 17/10/2003 Incident Identification: 196749 Pollutant: Atmospheric Pollutants and Effects:Atmospheric Pollutants and Effects Pollutant Description: Smoke:Steam Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
12B	98.0	SE	352500, 177500	Incident Date: 29/4/2001 Incident Identification: 3753 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Fumes Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

13B	98.0	SE	352500, 177500	Incident Date: 3/5/2001 Incident Identification: 4226 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Fumes	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
14B	98.0	SE	352500, 177500	Incident Date: 18/5/2001 Incident Identification: 5968 Pollutant: Sewage Materials Pollutant Description: Other Sewage Material	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
15B	98.0	SE	352500, 177500	Incident Date: 27/6/2001 Incident Identification: 11919 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Atmospheric Pollutant or Effect	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
16B	98.0	SE	352500, 177500	Incident Date: 4/5/2001 Incident Identification: 4374 Pollutant: Organic Chemicals/Products Pollutant Description: Other Organic Chemical or Product	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
17B	98.0	SE	352500, 177500	Incident Date: 15/5/2001 Incident Identification: 5662 Pollutant: Inorganic Chemicals/Products Pollutant Description: Other Inorganic Chemical or Product	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
18B	98.0	SE	352500, 177500	Incident Date: 10/7/2003 Incident Identification: 172437 Pollutant: Inorganic Chemicals/Products Pollutant Description: Other Inorganic Chemical or Product	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
19B	98.0	SE	352500, 177500	Incident Date: 14/6/2001 Incident Identification: 9229 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
20B	98.0	SE	352500, 177500	Incident Date: 20/10/2001 Incident Identification: 37969 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
21A E	133.0	N	351520, 178970	Incident Date: 3/4/2002 Incident Identification: 68406 Pollutant: Inorganic Chemicals/Products Pollutant Description: Other Inorganic Chemical or Product	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
22	175.0	SE	353120, 178080	Incident Date: 8/9/2004 1 Incident Identification: 265228 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: Category 2 (Significant) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
23	246.0	NW	351010, 178710	Incident Date: 26/4/2001 Incident Identification: 3555 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

Records of National Incidents Recording System, List 1 within 250m of the study site:

1

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

ID	Distance [m]	Direction	NGR	Details
24C	0.0	On Site	352150. 0,17830 0.01234 56,1234 56	Incident Date: 05-Jul-1999 Incident Identification: 48395.0 Catchments Name: LOWER SEVERN Water Description: NOT APPLICABLE Water Course: NO WATER Incident Substantiated: Yes Priority Description: Not Available Waste Description: Not Available Water Impact: Minor Impact Land Impact: Significant Impact Air Impact: Minor Impact Pollutant:

2.4 Sites Determined as Contaminated Land under Part IIA EPA 1990¹

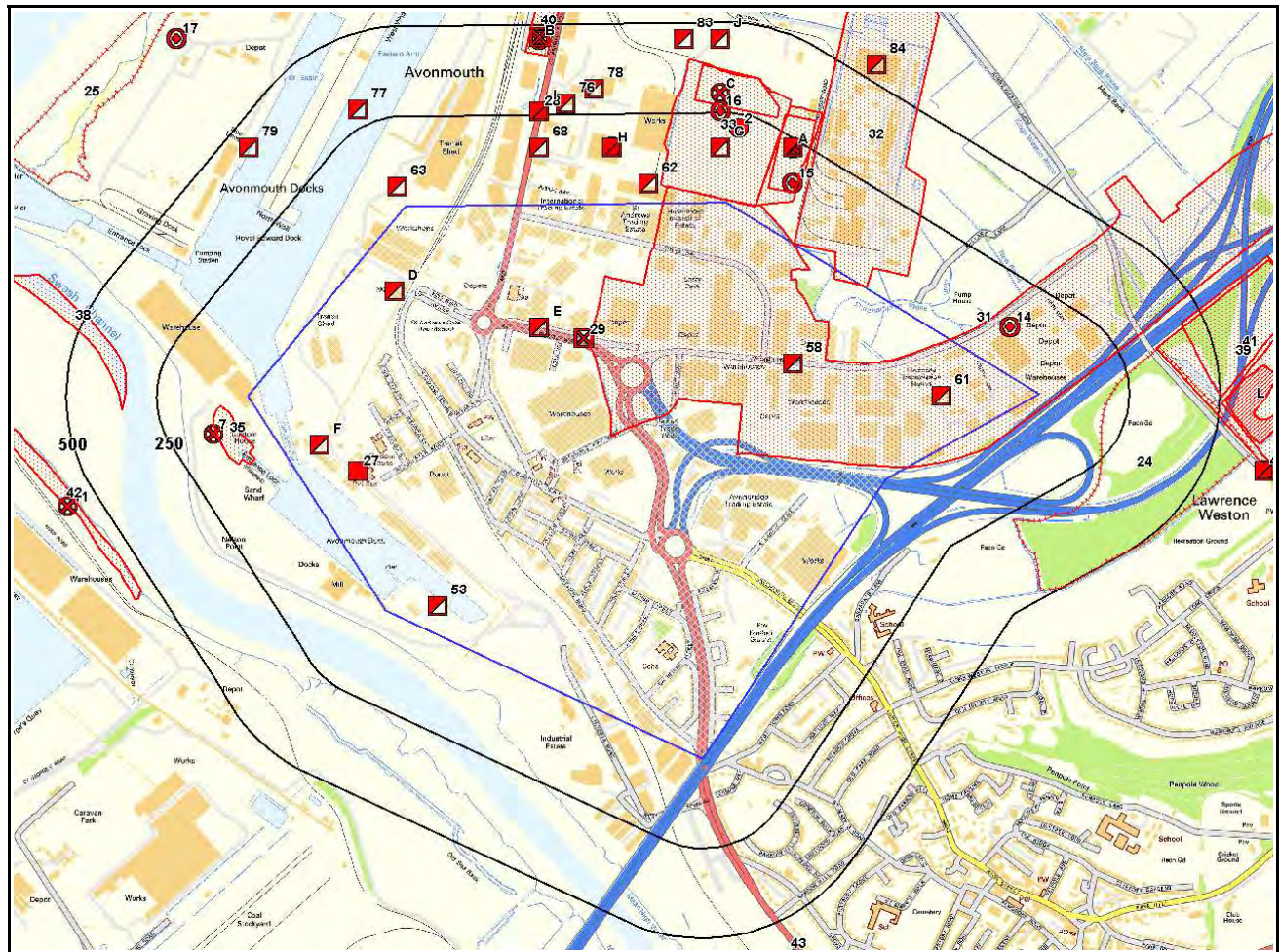
How many records of sites determined as contaminated land under Section 78R of the Environmental Protection Act 1990 are there within 500m of the study site?

0

Database searched and no data found.

¹Further information on sites that have been determined under the Contaminated Land Regime is maintained by Local Authorities under Section 78R of the Environmental Protection Act 1990. Information should be available on both sites currently determined as Contaminated Land and Special Sites.

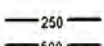
3. Landfill and Other Waste Sites Map



Landfill & Other Waste Sites Legend

Mapping sourced from
Ordnance Survey

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 Site Outline	 E.A. Active Landfill	 Operational Waste Treatment Licence
 Search Buffers (m) 250 500	 E.A. Historic Landfill (Area Data)	 Closed Waste Treatment Licence
	 E.A. Historic Landfill (Point Data)	 REGIS Waste Licence
	 BGS / DoE Survey Landfill	 Operational Landfill
	 Local Authority Landfill (Area Data)	 Closed Landfill
	 Local Authority Landfill (Point Data)	

3. Landfill and Other Waste Sites

3.1 Landfill Sites

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

3

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

ID	Distance [m]	Direction	NGR	Details
24	186.0	E	353800, 178100	Address: University Playing Fields, Land / Premises At, Kingsweston Lane, Lawrence Weston, Bristol, Avon, BS11 0LF Landfill Reference: 27227.0 Regis Reference: CHU207 Landfill Type: A5 : Landfill taking Non-Biodegradable Wastes Operator: Churngold Construction Ltd Status: Issued IPPC Reference:
25	724.0	NW	350800, 179400	Address: Foreshore Of Avonmouth Dock, Land / Premises At, North Pier, Avonmouth, Bristol, Avon, BS11 9BW Landfill Reference: 27252.0 Regis Reference: BRI043 Landfill Type: A6 : Landfill taking other wastes Operator: Bristol Port Company Status: Issued IPPC Reference:
Not shown	777.0	NE	352900, 179500	Address: Adjacent to and to the North of, Kingsweston Lane Landfill, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 9YF Landfill Reference: 27176.0 Regis Reference: SMA017 Landfill Type: A7 : Industrial Waste Landfill (Factory curtilage) Operator: Smart Thomas Status: Modified IPPC Reference:

Records of operational landfill sites sourced from Landmark within 1000m of the study site:

6

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

ID	Distance [m]	Direction	NGR	Details
1H	158.0	N	352000, 179000	Site Address: Kingsweston Lane, Avonmouth, BRISTOL, Avon, BS11 8HT Agency Reference: - Waste Type: Difficult Waste Description: Difficult Landfill Known Restrictions: Waste produced/controlled by licence holder Record Date: 01-Nov-1997 Transfer Date: Modification Date: Status: Operational as far as is known Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Large (< 250,000 tonnes/year)
2	208.0	N	352350, 179050	Site Address: Old V.R. Smelting Tip, Third Way, Avonmouth, BRISTOL, Avon, Agency Reference: EAWML29769 Waste Type: Non-Hazardous Waste Description: Non-Hazardous Landfill Known Restrictions: Waste produced/controlled by licence holder Record Date: 01-Nov-1982 Transfer Date: 31-May-1994 Modification Date: 31-May-1994 Status: Operational as far as is known Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
3A	224.0	NE	352500, 178995	Site Address: St Andrews Road/Kingsweston Lane, Avonmouth, BRISTOL, Avon, Agency Reference: EAWML27251 Waste Type: Difficult Waste Description: Difficult Landfill Known Restrictions: Only waste produced on site Record Date: 01-Mar-1995 Transfer Date: Modification Date: Status: Operational as far as is known Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Very Small (<10,000 tonnes/year)

4	657.0	E	353800, 178100	Site Address: University Playing Fields, Kingweston Lane, BRISTOL, Avon, Agency Reference: EAWML29753 Waste Type: Non-Hazardous Waste Description: Non-Hazardous Landfill Known Restrictions: No known restriction on source of waste	Record Date: 30-Sep-1989 Transfer Date: Modification Date: 01-Mar-1997 Status: Operational as far as is known Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
Not shown	847.0	NW	350800, 179400	Site Address: Foreshore of Avonmouth Dock, Avonmouth, BRISTOL, Avon, Agency Reference: EAWML29781 Waste Type: Non-Hazardous Waste Description: Non-Hazardous Landfill Known Restrictions: No known restriction on source of waste	Record Date: 01-Dec-1978 Transfer Date: 31-May-1993 Modification Date: 01-Mar-1997 Status: Operational as far as is known Category: LANDFILL - with treatment Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Small (<25,000 tonnes/year)
Not shown	860.0	NE	352900, 179495	Site Address: Kingsweston Lane, Avonmouth, BRISTOL, Avon, Agency Reference: EAWML29700 Waste Type: Difficult Waste Description: Difficult Landfill Known Restrictions: Waste produced/controlled by licence holder	Record Date: 31-Mar-1994 Transfer Date: Modification Date: 01-Nov-1996 Status: Operational as far as is known Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Medium (< 75,000 tonnes/year)

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

22

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	
31	0.0	On Site	352800, 178500	Site Address: T. Farm, Avonmouth, Bristol, Avon Waste Licence: - Site Reference: - Waste Type: Inert Regis Reference: -	Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: Bristol Corporation
32	0.0	On Site	352700, 179000	Site Address: Kingsweston Lane, Avonmouth Waste Licence: - Site Reference: - Waste Type: - Regis Reference: -	Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: -
33	9.0	N	352300, 179000	Site Address: VR Tip, I S C Chemicals, Avonmouth, Avon Waste Licence: Yes Site Reference: L/BL/T/39A, L/BL/T/131c, L/0131/KIN Waste Type: Inert, Industrial Regis Reference: -	Licence Issue: 21-Nov-1978 Licence Surrendered: Licence Hold Address: Kingweston Lane, Avonmouth, Bristol Operator: -
34A	37.0	NE	352400, 178900	Site Address: Commonwealth Smelting Limited, St Andrews Road, Bristol, Avon Waste Licence: - Site Reference: - Waste Type: - Regis Reference: -	Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: -
35	61.0	SW	350900, 178100	Site Address: Avonmouth Dock Entrance Channel, Avonmouth, Bristol Waste Licence: Yes Site Reference: B/BL/T/44B Waste Type: Inert Regis Reference: -	Licence Issue: 19-Dec-1978 Licence Surrendered: 07-Feb-1990 Licence Hold Address: St Andrews Road, Avonmouth, Bristol Operator: -
36A	96.0	NE	352400, 178900	Site Address: Britannia Zinc Factory Tip, Kingsweston Lane, Avonmouth, Bristol, Avon Waste Licence: Yes Site Reference: L/BL/T/040 Waste Type: Industrial Regis Reference: EM1/L/ 27251	Licence Issue: 21-Nov-1978 Licence Surrendered: Licence Hold Address: Britannia Zinc, Kingsweston Lane, Avonmouth, Bristol Operator: Britannia Zinc Limited

37C	261.0	N	352300, 179100	Site Address: Britannia Zinc Slag Tip, Kingsweston Lane, Avonmouth, Bristol, Avon Waste Licence: Yes Site Reference: L/BL/T/305, L/BL/T/039, L/BL/T/40 Waste Type: Industrial Regis Reference: EM1/L/270015	Licence Issue: 30-Jun-1986 Licence Surrendered: Licence Hold Address: St Andrews Road, Avonmouth, Bristol Operator: Britannia Zinc Limited
38	336.0	W	350500, 178500	Site Address: Entrance to closed Avonmouth Docks, Avonmouth Waste Licence: Yes Site Reference: L/BL/T/44B Waste Type: - Regis Reference: -	Licence Issue: 19-Dec-1978 Licence Surrendered: Licence Hold Address: St Andrews Road, Avonmouth Operator: -
39	348.0	E	353800, 178300	Site Address: Kingsweston, Kingsweston Lane, Avonmouth, Bristol Waste Licence: Yes Site Reference: L/BL/T/40B, A 003 Waste Type: Inert Regis Reference: -	Licence Issue: 21-Nov-1978 Licence Surrendered: Licence Hold Address: Kingweston Lane, Avonmouth, Bristol Operator: -
40	413.0	N	351800, 179300	Site Address: St Andrews Road, Avonmouth, Bristol Waste Licence: Yes Site Reference: L/BL/T/116 Waste Type: Inert Regis Reference: -	Licence Issue: 15-Dec-1981 Licence Surrendered: 02-Nov-1992 Licence Hold Address: St Andrews Road, Avonmouth, Bristol Operator: -
41	439.0	NE	353900, 178400	Site Address: Saltmarsh Drive, Lawrence Weston, Bristol, Avon Waste Licence: - Site Reference: - Waste Type: Commercial, Household Regis Reference: -	Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: Bristol Corporation
42	536.0	SW	350400, 178000	Site Address: Land adjoining Royal Portbury Dock, Portbury, Bristol Waste Licence: Yes Site Reference: L/WG/T/181 Waste Type: Inert, Industrial, Household, Special Regis Reference: -	Licence Issue: 22-Oct-1986 Licence Surrendered: 02-Nov-1992 Licence Hold Address: St Andrews Road, Avonmouth, Bristol Operator: -
43	587.0	SE	352500, 176600	Site Address: Portway, Bristol, Avon Waste Licence: - Site Reference: A 012 Waste Type: Commercial, Household Regis Reference: -	Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: Bristol Corporation
Not shown	796.0	NE	354000, 178600	Site Address: Kingsweston, Kingsweston Lane, Avonmouth, Bristol Waste Licence: Yes Site Reference: L/BL/T/131C, A 003 Waste Type: Inert Regis Reference: -	Licence Issue: 09-Nov-1982 Licence Surrendered: Licence Hold Address: Kingweston Lane, Avonmouth, Bristol Operator: -
Not shown	798.0	NE	352800, 179500	Site Address: No.4 AHF Lagoon, North Of Kingsweston, Avonmouth, Bristol Waste Licence: Yes Site Reference: L/BL/T/126D Waste Type: Industrial Regis Reference: -	Licence Issue: 18-Jan-1983 Licence Surrendered: 18-Apr-1994 Licence Hold Address: - Operator: -
Not shown	806.0	NE	352800, 179500	Site Address: No.3 AHF Lagoon, Avonmouth, Bristol Waste Licence: Yes Site Reference: L/BL/T/77D Waste Type: Inert, Industrial Regis Reference: -	Licence Issue: 17-Mar-1980 Licence Surrendered: 18-Apr-1994 Licence Hold Address: St Andrews Road, Avonmouth, Bristol Operator: -
Not shown	824.0	NE	352800, 179600	Site Address: 3 AHF Lagoon, Kings Weston Lane, Avonmouth, Avon Waste Licence: - Site Reference: - Waste Type: Industrial Regis Reference: -	Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: ISC Chemicals
Not shown	905.0	NE	352700, 179700	Site Address: 2 AHF Lagoon, Kings Weston Lane, Avonmouth, Avon Waste Licence: - Site Reference: - Waste Type: Industrial Regis Reference: -	Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: R T Z Estates

Not shown	953.0	N	352200, 179800	Site Address: Beryllium Burial Pits, Kings Weston Lane, Avonmouth, Avon Waste Licence: - Site Reference: - Waste Type: - Regis Reference: -	Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: R T Z Estates
Not shown	1065.0	S	352600, 176200	Site Address: Land Adjoining Station Road, Station Road, Shirehampton, Bristol Waste Licence: Yes Site Reference: L/BL/T/94 Waste Type: Inert Regis Reference: -	Licence Issue: 18-Nov-1980 Licence Surrendered: 16-Jun-1982 Licence Hold Address: 420 St Johns Lane, Bedminster, Bristol Operator: -
Not shown	1109.0	N	352500, 179900	Site Address: Gas Area Tip, Kingsweston Lane, Avonmouth, Avon Waste Licence: - Site Reference: - Waste Type: - Regis Reference: -	Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: -
Not shown	1494.0	N	352600, 180300	Site Address: Tenneco Organics Limited, Rockingham Works, Avonmouth, Bristol Waste Licence: Yes Site Reference: L/BL/T/53 Waste Type: Inert, Liquid sludge Regis Reference: -	Licence Issue: 23-Apr-1979 Licence Surrendered: 19-Oct-1992 Licence Hold Address: Rockingham Works, Avonmouth, Bristol Operator: -

Records of non-operational landfill sites sourced from Landmark within 1000m of the study site:

7

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

ID	Distance [m]	Direction	NGR	Details
7	139.0	SW	350900, 178200	Site Address: Entry Channel To, Closed Avonmouth Dock, Avonmouth, BRISTOL, Avon, Landfill Licence: 01BAGSAL Agency Reference: Waste Type: Non-Hazardous Waste Description: Non-Hazardous Landfill Known Restrictions: No known restriction on source of waste Record Date: 01-Dec-1978 Transfer Date: Modification Date: 31-Aug-1979 Status: Licence lapsed/cancelled/defunct/not applicable/surrendered Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
8A	228.0	NE	352500, 179000	Site Address: St Andrews Road/Kingsweston Lane, Avonmouth, BRISTOL, Avon, Landfill Licence: 01BAGXAL Agency Reference: Waste Type: Difficult Waste Description: Difficult Landfill Known Restrictions: Only waste produced on site Record Date: 01-Nov-1978 Transfer Date: 31-May-1994 Modification Date: 30-Jun-1986 Status: Record superseded Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
9C	305.0	N	352300, 179150	Site Address: Kingsweston Lane/St Andrews Road, Avonmouth, BRISTOL, Avon, Landfill Licence: 01BAGYAL Agency Reference: EAWML27015 Waste Type: Difficult Waste Description: Difficult Landfill Known Restrictions: Only waste produced on site Record Date: 01-Nov-1978 Transfer Date: 31-May-1994 Modification Date: 30-Jun-1986 Status: May not be working Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
10B	455.0	N	351800, 179295	Site Address: adj. St Andrews Road, Avonmouth, BRISTOL, Avon, Landfill Licence: 01BAELAL Agency Reference: Waste Type: Inert Waste Description: Inert Landfill Known Restrictions: No known restriction on source of waste Record Date: 01-Dec-1981 Transfer Date: Modification Date: Status: Licence lapsed/cancelled/defunct/not applicable/surrendered Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined

11	583.0	SW	350500, 178000	Site Address: adj. Royal Portbury Dock, Portbury, Avonmouth, BRISTOL, Avon Landfill Licence: 01FAKBAL Agency Reference: Waste Type: Non-Hazardous Waste Description: Non-Hazardous Landfill Known Restrictions: No known restriction on source of waste	Record Date: 30-Sep-1986 Transfer Date: Modification Date: Status: Licence lapsed/cancelled/defunct/not applicable/surrendered Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
Not shown	949.0	NE	352900, 179600	Site Address: No 3 AHF Lagoon, off Kingsweston Lane, Avonmouth, BRISTOL, Avon, Landfill Licence: 01BAEBAL Agency Reference: Waste Type: Difficult Waste Description: Difficult Landfill, Difficult Transfer Known Restrictions: Waste produced/controlled by licence holder	Record Date: 01-Mar-1980 Transfer Date: 01-Jan-1992 Modification Date: 30-Sep-1987 Status: Record superseded Category: LANDFILL - with lagoon Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
Not shown	949.0	NE	352900, 179600	Site Address: No.4 A.H.F Lagoon, North of Kingsweston Lane, Avonmouth, BRISTOL, Avon, Landfill Licence: 01BAAHAL Agency Reference: Waste Type: Difficult Waste Description: Difficult Landfill Known Restrictions: Only waste produced on site	Record Date: 30-Apr-1983 Transfer Date: 01-Jan-1992 Modification Date: 01-Jan-1986 Status: Record superseded Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined

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

10

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

ID	Distance [m]	Direction	NGR	Details	
14	117.0	NE	353100. 0,17850 0.0	Address: T Farm, Avonmouth, Bristol, Avon BGS Number: 2654.0	Risk: No risk to aquifer Waste Type: N/A
15	143.0	NE	352500. 0,17890 0.0	Address: Commonwealth smelting, St Andrews Rd, Bristol,AV BGS Number: 2872.0	Risk: No risk to aquifer Waste Type: N/A
16	255.0	N	352300. 0,17910 0.0	Address: VR Tip, ISC Chemicals, Avonmouth BGS Number: 2869.0	Risk: Risk to minor aquifer Waste Type: N/A
17	783.0	NW	350800. 0,17930 0.0	Address: Foreshore, Avonmouth Docks, Bristol, Avon BGS Number: 2653.0	Risk: No risk to aquifer Waste Type: N/A
Not shown	784.0	SE	352600. 0,17660 0.0	Address: Portway, Bristol BGS Number: 2581.0	Risk: No risk to aquifer Waste Type: Some toxic waste
Not shown	955.0	N	352300. 0,17980 0.0	Address: Beryllum Burial Pits, Kings Weston Lne, Avonmouth BGS Number: 2865.0	Risk: Risk to minor aquifer Waste Type:
Not shown	982.0	NE	352800. 0,17970 0.0	Address: No 3 AAF Lagoon, Kings Weston Lane, Avonmouth,AV BGS Number: 2866.0	Risk: Risk to minor aquifer Waste Type: 1000 tons toxic waste
Not shown	999.0	NE	354100. 0,17870 0.0	Address: Saltmarsh Lane, Lawrence Weston Bristol, Avon BGS Number: 2579.0	Risk: No risk to aquifer Waste Type: Some toxic waste
Not shown	1029.0	N	352700. 0,17980 0.0	Address: no 2 AHF Lagoon, KINGS Weston Lane, Avonmouth,AV BGS Number: 2868.0	Risk: Risk to minor aquifer Waste Type: 12000 tons toxic waste
Not shown	1071.0	N	352500. 0,17990 0.0	Address: Gas Area Tip, Kingsweston Lane, Avonmouth BGS Number: 2867.0	Risk: No risk to aquifer Waste Type: N/A

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

2

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

ID	Distance [m]	Direction	Site Address	Source	Data Type
110L	519.0	E	Refuse Tip	1969 mapping	Polygon

Report Reference: HMD-441-912071

111L	519.0	E	Refuse Tip	1969 mapping	Polygon

3.2 Other Waste Sites

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

2

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
27	0.0	On Site	351300, 178100	Site Address: Royal Edward Dock, St Andrews Road, Avonmouth, BRISTOL, Avon, BS11 9BT Landfill Licence: 01BANPAL EA Reference: EAWML29727 Waste Type: Non-Hazardous Rating: Non-Hazardous Treatment Known Restrictions: No known restriction on source of waste Record Date: 01-Dec-1993 Transfer Date: 31-Aug-1995 Modification Date: Status: Operational as far as is known Category: TREATMENT Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
28	260.0	N	351800, 179100	Site Address: Alloys House, St Andrews Road, Avonmouth, BRISTOL, Avon, BS11 9HS Landfill Licence: 01BAMZAL EA Reference: EAWML29741 Waste Type: Difficult Rating: Difficult Transfer Known Restrictions: No known restriction on source of waste Record Date: 31-Mar-1992 Transfer Date: Modification Date: Status: Operational as far as is known Category: TRANSFER Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined

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

2

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
29	0.0	On Site	351924, 178465	Site Address: Blagden Packaging Ltd, Avonmouth Way, Avonmouth, BRISTOL, Avon, Landfill Licence: 01BANMAL EA Reference: - Waste Type: Difficult Waste Description: - Known Restrictions: No known restriction on source of waste Record Date: 30-Sep-1992 Transfer Date: Modification Date: Status: Site now IPC authorised Category: RECYCLING Drums Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
30B	460.0	N	351800, 179300	Site Address: Rockingham Works (incinerator), Smoke Lane, Avonmouth, BRISTOL, Avon, BS11 0YT Landfill Licence: 01BALTAL EA Reference: - Waste Type: Difficult Waste Description: - Known Restrictions: No known restriction on source of waste Record Date: 01-Dec-1984 Transfer Date: Modification Date: Status: Licence lapsed/cancelled/defunct/not applicable/surrendered Category: INCINERATION Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined

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

57

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

53	0.0	On Site	351519, 177727	Site Address: N Berth, Avonmouth Docks, Bristol, Avon, BS11 9DL Type: Physical Treatment Facility Size: >= 75000 tonnes Regis Licence Number: SBP004 Operator: Stobart Biomass Products Limited Surrendered Date: - Waste Management licence No: 103584 Annual Tonnage: 74999.0	Issue Date: 10/05/2012 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: N Berth Cancelled Date: - Correspondence Address: -, -
54D	0.0	On Site	351400, 178600	Site Address: Allied Metals Ltd, Royal Edward Dock, St Andrews Road, Avonmouth, Bristol, BS11 9BT Type: Metal Recycling Site (mixed MRS's) Size: >= 75000 tonnes Regis Licence Number: ALL271 Operator: Simsmetal Uk Ltd Surrendered Date: - Waste Management licence No: 27202 Annual Tonnage: 0.0	Issue Date: 17/12/1993 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Simsmetal Fragmentation Plant Cancelled Date: - Correspondence Address: Atlantech House, Atlantech House, Beaufort Square, Chepstow, Gwent, NP6 5EP
55D	0.0	On Site	351400, 178600	Site Address: Allied Metals Ltd, Royal Edward Dock, St Andrews Road, Avonmouth, Bristol, Avon, BS11 9BT Type: Metal Recycling Site (mixed MRS's) Size: >= 75000 tonnes Regis Licence Number: ALL271 Operator: Sims Group Uk Ltd Surrendered Date: - Waste Management licence No: 27202 Annual Tonnage: 75000.0	Issue Date: 17/12/1993 Expiry Date: - Effective Date: - Status: Transferred Modified: - Site Name: Sims Group Fragmentation Plant Cancelled Date: - Correspondence Address: -, -
56E	0.0	On Site	351800, 178500	Site Address: Unit 7, St Brendans Trading Estate, Avonmouth Way, Avonmouth, Bristol, BS11 9HD Type: Special Waste Transfer Station Size: < 25000 tonnes Regis Licence Number: PUR005 Operator: Pure Clean (uk) Ltd Surrendered Date: - Waste Management licence No: 26057 Annual Tonnage: 0.0	Issue Date: 05/12/2002 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Pure Clean (uk) Ltd Cancelled Date: - Correspondence Address: -, Old Moor Road, Bredbury, Stockport, SK6 2QE
57E	0.0	On Site	351800, 178500	Site Address: Unit 7, St Brendans Trading Estate, Avonmouth Way, Bristol, Avon, BS11 9HD Type: Special Waste Transfer Station Size: < 25000 tonnes Regis Licence Number: PUR005 Operator: Pure Clean Environmental Ltd Surrendered Date: - Waste Management licence No: 26057 Annual Tonnage: 4999.0	Issue Date: 05/12/2002 Expiry Date: - Effective Date: - Status: Modified Modified: 16/07/2008 Site Name: Pure Clean Enironmental Ltd Cancelled Date: - Correspondence Address: -, -
58	0.0	On Site	352500, 178400	Site Address: Avonmouth Way, Avonmouth, Bristol, Avon, BS11 8DE Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Regis Licence Number: TQL001 Operator: T Quality Ltd Surrendered Date: 11/08/2010 Waste Management licence No: 26208 Annual Tonnage: 0.0	Issue Date: 11/05/2007 Expiry Date: - Effective Date: - Status: Surrendered Modified: - Site Name: Avonmouth Cancelled Date: - Correspondence Address: -, -
59F	0.0	On Site	351194, 178175	Site Address: H Berth, Junction Cut, Avonmouth Docks, Avonmouth, Bristol, BS11 9DH Type: Metal Recycling Site (Vehicle Dismantler) Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: DUN017 Operator: Dunn Bros (1995) Ltd Surrendered Date: - Waste Management licence No: 100142 Annual Tonnage: 74999.0	Issue Date: 28/03/2008 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Dunn Bros (1995) Ltd Cancelled Date: - Correspondence Address: -, -

60F	0.0	On Site	351194, 178175	Site Address: H Berth, Junction Cut, Avonmouth Docks, Avonmouth, Bristol, BS11 9DH Type: Metal Recycling Site (Vehicle Dismantler) Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: SIM127 Operator: Sims Group U K Ltd Surrendered Date: - Waste Management licence No: 100142 Annual Tonnage: 74999.0	Issue Date: 28/03/2008 Expiry Date: - Effective Date: 07/07/2011 Status: Modified Modified: 07/10/2011 Site Name: Sims Group U K Ltd Cancelled Date: - Correspondence Address: -, -
61	0.0	On Site	352910, 178310	Site Address: Land / Premises At, Fourth Way, Avonmouth, Bristol, Avon, BS11 8DX Type: ELV Facility Size: < 25000 tonnes Regis Licence Number: A&M002 Operator: A & M Motors Ltd Surrendered Date: - Waste Management licence No: 26099 Annual Tonnage: 2500.0	Issue Date: 13/09/2004 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: A & M Motors E L V Cancelled Date: - Correspondence Address: -, -
62	57.0	N	352100, 178900	Site Address: Britannia Zinc, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT Type: Industrial Waste Landfill (Factory curtilage) Size: >= 75000 tonnes Regis Licence Number: 272075 Operator: St Modwen Developments Ltd Surrendered Date: - Waste Management licence No: 27275 Annual Tonnage: 5000.0	Issue Date: 20/11/1997 Expiry Date: - Effective Date: 09/08/2003 Status: IPPC Modified: - Site Name: Britannia Zinc Landfill Cancelled Date: - Correspondence Address: -, -
63	61.0	NW	351408, 178892	Site Address: Avonmouth Docks, St Andrews Road, Avonmouth, BS11 9DQ Type: HCI Waste TS + treatment Size: < 25000 tonnes Regis Licence Number: CHU074 Operator: Churngold Recycling Limited Surrendered Date: - Waste Management licence No: 102799 Annual Tonnage: 74999.0	Issue Date: 31/05/2011 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Churngold Recycling Building E Cancelled Date: - Correspondence Address: -, -
64G	155.0	N	352300, 179000	Site Address: Old Vr Smelting Residues Landfill, North Of Third Way, Avonmouth, Bristol, Avon Type: Industrial Waste Landfill (Factory curtilage) Size: Unknown Regis Licence Number: BRI131 Operator: Britannia Zinc Ltd Surrendered Date: - Waste Management licence No: 27243 Annual Tonnage: 0.0	Issue Date: 01/07/1986 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Britannia Zinc Calcium Sulphate Tip Cancelled Date: - Correspondence Address: Kingsweston Lane, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT
65G	155.0	N	352300, 179000	Site Address: Old Vr Smelting Residues Landfill, North Of Third Way, Avonmouth, Bristol, Avon Type: Industrial Waste Landfill (Factory curtilage) Size: Unknown Regis Licence Number: 272043 Operator: St Modwen Developments Ltd Surrendered Date: - Waste Management licence No: 27243 Annual Tonnage: 0.0	Issue Date: 01/07/1986 Expiry Date: - Effective Date: 09/08/2003 Status: Transferred Modified: - Site Name: Britannia Zinc Calcium Sulphate Tip Cancelled Date: - Correspondence Address: -, Lyndon House, 58/62, Hagley Road, Edgbaston, Birmingham, B16 8PE
66G	155.0	N	352300, 179000	Site Address: Old Vr Smelting Residues Landfill, North Of Third Way, Avonmouth, Bristol, Avon Type: Industrial Waste Landfill (Factory curtilage) Size: < 25000 tonnes Regis Licence Number: 272043 Operator: St Modwen Developments Ltd Surrendered Date: - Waste Management licence No: 27243 Annual Tonnage: 131761.0	Issue Date: 01/07/1986 Expiry Date: 05/02/2004 Effective Date: 09/08/2003 Status: Expired Modified: - Site Name: Britannia Zinc Calcium Sulphate Tip Cancelled Date: - Correspondence Address: -, -

67H	158.0	N	352000, 179000	Site Address: Britannia Zinc, Kingsweston Lane, Avonmouth, Bristol, BS11 8HT Type: Industrial Waste Landfill (Factory curtilage) Size: >= 75000 tonnes Regis Licence Number: BRI343 Operator: Britannia Zinc Ltd Surrendered Date: - Waste Management licence No: 27275 Annual Tonnage: 0.0	Issue Date: 20/11/1997 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Britannia Zinc Landfill Cancelled Date: - Correspondence Address: Britannia Zinc, Kingsweston Lane, Avonmouth, Bristol, BS11 8HT
68	160.0	N	351800, 179000	Site Address: Alloys House, Alloys House, St Andrews Road, Avonmouth, Bristol, Avon, BS11 9HS Type: Transfer Station taking Non- Biodegradable Wastes Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: WES232 Operator: Western Tyres Ltd Surrendered Date: - Waste Management licence No: 27216 Annual Tonnage: 1000.0	Issue Date: 06/04/1992 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Western Tyres Avonmouth Cancelled Date: - Correspondence Address: -, -
69A	228.0	NE	352500, 179000	Site Address: St Andrews Road, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT Type: Industrial Waste Landfill (Factory curtilage) Size: < 25000 tonnes Regis Licence Number: 27251 Operator: St Modwen Developments Ltd Surrendered Date: - Waste Management licence No: 27251 Annual Tonnage: 0.0	Issue Date: 22/03/1995 Expiry Date: 05/02/2004 Effective Date: 09/08/2003 Status: Expired Modified: - Site Name: Britannia Zinc Factory Tip Cancelled Date: - Correspondence Address: -, Lyndon House, 58/62, Hagley Road, Edgbaston, Birmingham, B16 8PE
70A	228.0	NE	352500, 179000	Site Address: St Andrews Road, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT Type: Industrial Waste Landfill (Factory curtilage) Size: Unknown Regis Licence Number: 27251 Operator: St Modwen Developments Ltd Surrendered Date: - Waste Management licence No: 27251 Annual Tonnage: 0.0	Issue Date: 22/03/1995 Expiry Date: - Effective Date: 09/08/2003 Status: Transferred Modified: - Site Name: Britannia Zinc Factory Tip Cancelled Date: - Correspondence Address: -, Lyndon House, 58/62, Hagley Road, Edgbaston, Birmingham, B16 8PE
71A	228.0	NE	352500, 179000	Site Address: St Andrews Road, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT Type: Industrial Waste Landfill (Factory curtilage) Size: Unknown Regis Licence Number: BRI040 Operator: Britannia Zinc Ltd Surrendered Date: - Waste Management licence No: 27251 Annual Tonnage: 0.0	Issue Date: 22/03/1995 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Britannia Zinc Factory Tip Cancelled Date: - Correspondence Address: Kingsweston Lane, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT
72A	228.0	NE	352500, 179000	Site Address: St Andrews Road, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT Type: Industrial Waste Landfill (Factory curtilage) Size: < 25000 tonnes Regis Licence Number: 27251 Operator: St Modwen Developments Ltd Surrendered Date: - Waste Management licence No: 27251 Annual Tonnage: 2338.0	Issue Date: 22/03/1995 Expiry Date: 05/02/2004 Effective Date: 09/08/2003 Status: Expired Modified: - Site Name: Britannia Zinc Factory Tip Cancelled Date: - Correspondence Address: -, -
73I	260.0	N	351800, 179100	Site Address: Unit 8, Yara Estate, St Andrews Road, Avonmouth, Bristol, Avon, BS11 9HW Type: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: NEW178 Operator: New West Gypsum Recycling (U K) Ltd Surrendered Date: - Waste Management licence No: 26190 Annual Tonnage: 70000.0	Issue Date: 28/04/2006 Expiry Date: - Effective Date: 20/08/2010 Status: Transferred Modified: - Site Name: Lafarge Plasterboard Recycling Facility Cancelled Date: - Correspondence Address: -, -

74I	260.0	N	351800, 179100	Site Address: Unit 8, Yara Estate, St Andrews Road, Avonmouth, Bristol, Avon, BS11 9HW Type: Physical Treatment Facility Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: NEW178 Operator: New West Gypsum Recycling (U K) Ltd Surrendered Date: - Waste Management licence No: 26190 Annual Tonnage: 70000.0	Issue Date: 28/04/2006 Expiry Date: - Effective Date: 20/08/2010 Status: Transferred Modified: - Site Name: Lafarge Plasterboard Recycling Facility Cancelled Date: - Correspondence Address: -, -
75I	260.0	N	351800, 179100	Site Address: Unit 8, Yara Estate, St Andrews Road, Avonmouth, Bristol, BS11 9HW Type: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: LAF001 Operator: Lafarge Plasterboard Ltd Surrendered Date: - Waste Management licence No: 26190 Annual Tonnage: 0.0	Issue Date: 28/04/2006 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Lafarge Plasterboard Recycling Facility Cancelled Date: - Correspondence Address: -, Marsh Lane, Easton In Gordano, Bristol, BS20 ONF
76	280.0	N	351873, 179121	Site Address: Unit 7 Norsk Hydro Trading Estate, St Andrews Road, Avonmouth, Bristol, Avon, BS11 9HW Type: HCI Waste TS + treatment Size: < 25000 tonnes Regis Licence Number: BIF100 Operator: Biffa Waste Services Limited Surrendered Date: - Waste Management licence No: 102883 Annual Tonnage: 74999.0	Issue Date: 20/06/2011 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Biffa Waste Services Ltd Cancelled Date: - Correspondence Address: -, -
77	299.0	NW	351301, 179105	Site Address: West Wharf, Avonmouth Docks, Avonmouth, Bristol, Avon, BS11 9DQ Type: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: STO139 Operator: Stobart Biomass Products Ltd Surrendered Date: - Waste Management licence No: 101852 Annual Tonnage: 74999.0	Issue Date: 15/09/2010 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Avonmouth Storage Facility Cancelled Date: - Correspondence Address: -, -
78	321.0	N	351951, 179162	Site Address: Hydro Estate, St Andrews Road, Ocean Park, Bristol, BS11 9HW Type: Treatment of waste wood <75000 tps Size: < 25000 tonnes Regis Licence Number: STO147 Operator: Stobart Biomass Products Ltd Surrendered Date: - Waste Management licence No: 104470 Annual Tonnage: 74999.0	Issue Date: 11/07/2012 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Old R M C Site Cancelled Date: - Correspondence Address: -, -
79	438.0	NW	351000, 179000	Site Address: Birth B& C, St Andrews Road, Avonmouth Docks, Bristol, BS11 9DQ Type: Physical Treatment Facility Size: < 25000 tonnes Regis Licence Number: CHU079 Operator: Churngold Recycling Limited Surrendered Date: - Waste Management licence No: 102973 Annual Tonnage: 74999.0	Issue Date: 02/12/2011 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Churngold Recycling Woodchipping Facility Cancelled Date: - Correspondence Address: -, -
80J	455.0	N	352300, 179300	Site Address: St Andrews Road, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT Type: Industrial Waste Landfill (Factory curtilage) Size: < 25000 tonnes Regis Licence Number: 270015 Operator: St Modwen Developments Ltd Surrendered Date: - Waste Management licence No: 27015 Annual Tonnage: 75000.0	Issue Date: 01/07/1986 Expiry Date: 05/12/2004 Effective Date: 09/08/2003 Status: Expired Modified: - Site Name: Britannia Zinc Slag Tip Cancelled Date: - Correspondence Address: -, -

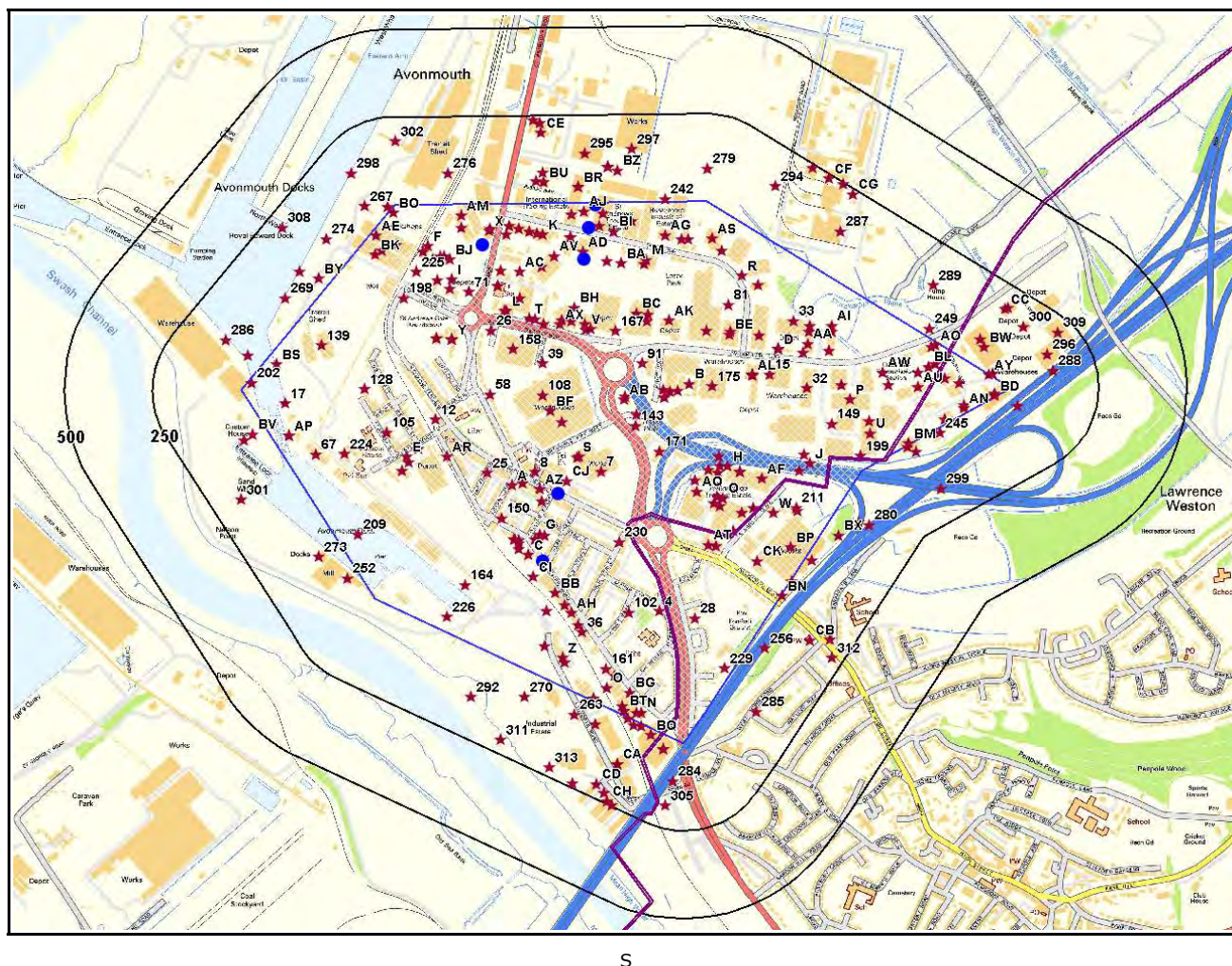
81J	455.0	N	352300, 179300	Site Address: St Andrews Road, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT Type: Industrial Waste Landfill (Factory curtilage) Size: Unknown Regis Licence Number: BRI325 Operator: Britannia Zinc Ltd Surrendered Date: - Waste Management licence No: 27015 Annual Tonnage: 0.0	Issue Date: 01/07/1986 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Britannia Zinc Slag Tip Cancelled Date: - Correspondence Address: Kingsweston Lane, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT
82J	455.0	N	352300, 179300	Site Address: St Andrews Road, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT Type: Industrial Waste Landfill (Factory curtilage) Size: Unknown Regis Licence Number: 270015 Operator: St Modwen Developments Ltd Surrendered Date: - Waste Management licence No: 27015 Annual Tonnage: 0.0	Issue Date: 01/07/1986 Expiry Date: - Effective Date: 09/08/2003 Status: Transferred Modified: - Site Name: Britannia Zinc Slag Tip Cancelled Date: - Correspondence Address: -, Lyndon House, 58/62, Hagley Road, Edgbaston, Birmingham, B16 8PE
83	456.0	N	352200, 179300	Site Address: Avonmouth M B T Facility, Kings Weston Lane, Avonmouth, Bristol, Avon, BS11 9FG Type: Biological Treatment Facility Size: >= 75000 tonnes Regis Licence Number: NEW123 Operator: New Earth Solutions (West) Ltd Surrendered Date: - Waste Management licence No: 101145 Annual Tonnage: 199999.0	Issue Date: 14/04/2010 Expiry Date: - Effective Date: - Status: Modified Modified: 05/10/2012 Site Name: Avonmouth M B T Facility Cancelled Date: - Correspondence Address: -, -
84	545.0	NE	352730, 179230	Site Address: Land / Premises At, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT Type: Special Waste Transfer Station Size: < 25000 tonnes Regis Licence Number: STM003 Operator: St Modwen Developments Ltd Surrendered Date: 18/07/2011 Waste Management licence No: 26212 Annual Tonnage: 0.0	Issue Date: 17/04/2007 Expiry Date: - Effective Date: - Status: Surrendered Modified: - Site Name: Kingsweston Lane Cancelled Date: - Correspondence Address: -, -
85K	657.0	E	353800, 178100	Site Address: University Playing Fields, Kingsweston Lane, Lawrence Weston, Bristol Type: Landfill taking Non- Biodegradable Wastes Size: >= 75000 tonnes Regis Licence Number: CHU207 Operator: Churngold Construction Ltd Surrendered Date: - Waste Management licence No: 27227 Annual Tonnage: 0.0	Issue Date: 19/10/1989 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Churngold University Playing Fields Landfill Cancelled Date: - Correspondence Address: Northway, St Andrews House, St Andrews Rd, Avonmouth, Bristol, BS11 9DQ
86K	657.0	E	353800, 178100	Site Address: University Playing Fields, Kingsweston Lane, Lawrence Weston, Bristol Type: Landfill taking Non- Biodegradable Wastes Size: >= 75000 tonnes Regis Licence Number: CHU207 Operator: Churngold Group Ltd Surrendered Date: - Waste Management licence No: 27227 Annual Tonnage: 0.0	Issue Date: 19/10/1989 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Churngold University Playing Fields Landfill Cancelled Date: - Correspondence Address: Northway, Gloucester Road North, Filton, Bristol, BS12 7QG
87K	657.0	E	353800, 178100	Site Address: University Playing Fields, Land / Premises At, Kingsweston Lane, Lawrence Weston, Bristol, Avon, BS11 0LF Type: Landfill taking Non- Biodegradable Wastes Size: < 25000 tonnes Regis Licence Number: CHU207 Operator: Churngold Construction Ltd Surrendered Date: - Waste Management licence No: 27227 Annual Tonnage: 2300.0	Issue Date: 19/10/1989 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Churngold University Playing Fields Landfill Cancelled Date: - Correspondence Address: -, -

Not shown	792.0	NW	351000, 179500	Site Address: Land at Avonmouth Docks, Land / Premises At, Avonmouth Docks, Avonmouth, Bristol, Avon, BS11 9BB Type: Chemical Treatment Facility Size: < 25000 tonnes Regis Licence Number: TRI296 Operator: Trinco Ltd Surrendered Date: - Waste Management licence No: 27288 Annual Tonnage: 50000.0	Issue Date: 31/12/1993 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Trinco Avonmouth Waste Treatment & Transfer Cancelled Date: - Correspondence Address: -, -
Not shown	792.0	NW	351000, 179500	Site Address: Land at Avonmouth Docks, Avonmouth Docks, Avonmouth, Bristol, Avon Type: Chemical Treatment Facility Size: Unknown Regis Licence Number: TRI296 Operator: Trinco Ltd Surrendered Date: - Waste Management licence No: 27288 Annual Tonnage: 0.0	Issue Date: 31/12/1993 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Trinco Avonmouth Waste Treatment & Transfer Cancelled Date: - Correspondence Address: Richmond Place, 125 Broughton, Richmond Place, Boughton, Chester, CH3 5BJ
Not shown	847.0	NW	350800, 179400	Site Address: Foreshore Of Avonmouth Dock, Land / Premises At, North Pier, Avonmouth, Bristol, Avon, BS11 9BW Type: Landfill taking other wastes Size: < 25000 tonnes Regis Licence Number: BRI043 Operator: Bristol Port Company Surrendered Date: - Waste Management licence No: 27252 Annual Tonnage: 39700.0	Issue Date: 19/12/1978 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Foreshore Of Avonmouth Dock Cancelled Date: - Correspondence Address: -, -
Not shown	847.0	NW	350800, 179400	Site Address: Foreshore Of Avonmouth Dock, North Pier, Avonmouth, Bristol, Avon Type: Landfill taking other wastes Size: >= 75000 tonnes Regis Licence Number: BRI043 Operator: Bristol Port Company Surrendered Date: - Waste Management licence No: 27252 Annual Tonnage: 0.0	Issue Date: 19/12/1978 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Foreshore Of Avonmouth Dock Cancelled Date: - Correspondence Address: St Andrews House, St Andrews House, St Andrews Road, Avonmouth, Bristol, Avon, BS11 9DQ
Not shown	864.0	NE	352900, 179500	Site Address: Adjacent to and to the North of, Kingsweston Lane Landfill, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 9YF Type: Industrial Waste Landfill (Factory curtilage) Size: < 25000 tonnes Regis Licence Number: SMA017 Operator: Smart Thomas Surrendered Date: - Waste Management licence No: 27176 Annual Tonnage: 250000.0	Issue Date: 15/04/1994 Expiry Date: - Effective Date: 05/10/2009 Status: Modified Modified: 28/05/2012 Site Name: Kingswetton Lane Landfill Cancelled Date: - Correspondence Address: -, -
Not shown	864.0	NE	352900, 179500	Site Address: Adjacent to and to the North of, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 9YF Type: Industrial Waste Landfill (Factory curtilage) Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: SMA017 Operator: Smart Thomas Surrendered Date: - Waste Management licence No: 27176 Annual Tonnage: 75000.0	Issue Date: 15/04/1994 Expiry Date: - Effective Date: 05/10/2009 Status: Transferred Modified: - Site Name: Kingswetton Lane Landfill Cancelled Date: - Correspondence Address: -, -
Not shown	864.0	NE	352900, 179500	Site Address: Adjacent to and to the North of, Kingsweston Lane, Avonmouth, Bristol, Avon Type: Industrial Waste Landfill (Factory curtilage) Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: RHO305 Operator: Rhodia Ltd Surrendered Date: - Waste Management licence No: 27176 Annual Tonnage: 75000.0	Issue Date: 15/04/1994 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Rhodia Landfill Site Cancelled Date: - Correspondence Address: Oak House, Oak House, Reeds Crescent, Watford, Hertfordshire, WD1 1QH

Not shown	864.0	NE	352900, 179500	Site Address: Adjacent to and to the North of, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 9YF Type: Industrial Waste Landfill (Factory curtilage) Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: RHO305 Operator: Rhodia U K Ltd Surrendered Date: - Waste Management licence No: 27176 Annual Tonnage: 75000.0	Issue Date: 15/04/1994 Expiry Date: - Effective Date: - Status: Closure Modified: - Site Name: Rhodia Landfill Site Cancelled Date: - Correspondence Address: -, -
Not shown	864.0	NE	352900, 179500	Site Address: Adjacent to and to the North of, Kingsweston Lane, Avonmouth, Bristol, BS11 9YF Type: Industrial Waste Landfill (Factory curtilage) Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: RHO305 Operator: Rhodia Uk Ltd Surrendered Date: - Waste Management licence No: 27176 Annual Tonnage: 75000.0	Issue Date: 15/04/1994 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Rhodia Landfill Site Cancelled Date: - Correspondence Address: Oak House, Oak House, Reeds Crescent, Watford, Hertfordshire, WD1 1QH
Not shown	1006.0	NE	353350, 179390	Site Address: Bristol W W T W, Kingsweston Lane, Bath, Avon, BS11 0YS Type: Biological Treatment Facility Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: WES670 Operator: Wessex Water Services Ltd Surrendered Date: - Waste Management licence No: 102248 Annual Tonnage: 34000.0	Issue Date: 18/03/2011 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Avonmouth C H P, Sludge Drying And Food Waste Treatment Facility Cancelled Date: - Correspondence Address: -, -
Not shown	1011.0	NE	353357, 179391	Site Address: Pembridge, Leominster, Herefordshire, HR6 9LA Type: HCI Waste TS + treatment Size: < 25000 tonnes Regis Licence Number: KIN104 Operator: Kingspan Insulation Ltd Surrendered Date: - Waste Management licence No: 102567 Annual Tonnage: 74999.0	Issue Date: 20/04/2011 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Kingspan Insulation Ltd Cancelled Date: - Correspondence Address: -, -
Not shown	1029.0	N	352700, 179800	Site Address: Merebank Road, Avonmouth, Bristol, Avon Type: HCI Waste TS + treatment Size: < 25000 tonnes Regis Licence Number: AVO013 Operator: Avonmouth Resource Park Ltd Surrendered Date: - Waste Management licence No: 101887 Annual Tonnage: 40000.0	Issue Date: 09/09/2010 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Avonmouth Resource Park Cancelled Date: - Correspondence Address: -, -
Not shown	1041.0	NE	353400, 179400	Site Address: Kings Weston Lane, Avonmouth, Bristol, Avon, BS11 0YS Type: Sewage sludge treatment Size: < 25000 tonnes Regis Licence Number: WES672 Operator: Wessex Water Services Ltd Surrendered Date: - Waste Management licence No: 102520 Annual Tonnage: 3649.0	Issue Date: 23/03/2011 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Bristol Sewage Treatment Works Cancelled Date: - Correspondence Address: -, -
Not shown	1074.0	NE	353300, 179500	Site Address: Avonmouth Sewage Treatment Works, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 0YS Type: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Regis Licence Number: WAS234 Operator: Wessex Water Services Ltd Surrendered Date: - Waste Management licence No: 27215 Annual Tonnage: 75000.0	Issue Date: 14/05/1992 Expiry Date: - Effective Date: - Status: IPPC Modified: - Site Name: Avonmouth Sewage Treatment Works Cancelled Date: - Correspondence Address: -, -
Not shown	1198.0	NE	353700, 179400	Site Address: Avonmouth W W T W, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 0YS Type: Biological Treatment Facility Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: WES674 Operator: Wessex Water Services Ltd Surrendered Date: - Waste Management licence No: 102960 Annual Tonnage: 30000.0	Issue Date: 08/05/2012 Expiry Date: - Effective Date: - Status: Modified Modified: 31/07/2012 Site Name: Avonmouth Composting Facility Cancelled Date: - Correspondence Address: -, -

Not shown	1268.0	N	352500, 180100	Site Address: Units C & D, 203, Burcott Road, Avonmouth, Bristol, Avon, BS11 8AP Type: Clinical Waste Transfer Station Size: < 25000 tonnes Regis Licence Number: ECO023 Operator: Eco Waste South West Ltd Surrendered Date: - Waste Management licence No: 100334 Annual Tonnage: 24999.0	Issue Date: 04/07/2008 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Ecowaste South West Ltd Cancelled Date: - Correspondence Address: -, -
Not shown	1329.0	NE	353300, 179800	Site Address: Off Kingsweston Lane, Land/premises At, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 0YS Type: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: AVO283 Operator: Bristol City Council Surrendered Date: - Waste Management licence No: 27190 Annual Tonnage: 75000.0	Issue Date: 13/08/1993 Expiry Date: - Effective Date: - Status: Modified Modified: 28/03/2007 Site Name: Kingsweston Lane Transfer Station Cancelled Date: - Correspondence Address: -, -
Not shown	1357.0	N	352100, 180200	Site Address: Bath Reclamation, Ironchurch Road, Avonmouth, Bristol, Avon, BS11 9HP Type: Metal Recycling Site (mixed MRS's) Size: < 25000 tonnes Regis Licence Number: REC291 Operator: Simsmetal U K (Reclamation) Ltd Surrendered Date: - Waste Management licence No: 27184 Annual Tonnage: 0.0	Issue Date: 14/09/1993 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Simsmetal Reclamation Scrap Yard Cancelled Date: - Correspondence Address: Ironchurch Road, Ironchurch Road, Avonmouth, Bristol, Avon, BS11 9HP
Not shown	1357.0	N	352100, 180200	Site Address: Bath Reclamation, Land/premises At, Ironchurch Road, Avonmouth, Bristol, Avon, BS11 9HP Type: Metal Recycling Site (mixed MRS's) Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: REC291 Operator: Sims Group Uk Ltd Surrendered Date: - Waste Management licence No: 27184 Annual Tonnage: 74999.0	Issue Date: 14/09/1993 Expiry Date: - Effective Date: - Status: Transferred Modified: - Site Name: Sims Group Reclamation Scrap Yard Cancelled Date: - Correspondence Address: -, -
Not shown	1357.0	N	352100, 180200	Site Address: Bath Reclamation, Ironchurch Road, Avonmouth, Bristol, Avon, BS11 9HP Type: Metal Recycling Site (mixed MRS's) Size: < 25000 tonnes Regis Licence Number: REC291 Operator: Sims Group Uk Ltd Surrendered Date: - Waste Management licence No: 27184 Annual Tonnage: 0.0	Issue Date: 14/09/1993 Expiry Date: - Effective Date: - Status: Transferred Modified: - Site Name: Sims Group Reclamation Scrap Yard Cancelled Date: - Correspondence Address: -, Ironchurch Road, Avonmouth, Bristol, Avon, BS11 9HP
Not shown	1362.0	N	352665, 180162	Site Address: Unit 117a, Burcott Road, Avonmouth, Bristol, Avon, BS11 8AG Type: WEEE treatment facility Size: < 25000 tonnes Regis Licence Number: EUR053 Operator: E Recycling Ltd Surrendered Date: - Waste Management licence No: 101256 Annual Tonnage: 74999.0	Issue Date: 24/11/2009 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Euro Recycling Ltd Cancelled Date: - Correspondence Address: -, -
Not shown	1381.0	NE	353400, 179800	Site Address: Kingsweston Lane Civic Amenity Site, Avonmouth Refuse Transfer Station, Kingswestern Lane, Avonmouth, Bristol, Avon, BS11 0YS Type: Household Waste Amenity Site Size: < 25000 tonnes Regis Licence Number: AVO273 Operator: Bristol City Council Surrendered Date: - Waste Management licence No: 27200 Annual Tonnage: 24999.0	Issue Date: 13/08/1993 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Kingsweston Lane Civic Amenity Site Cancelled Date: - Correspondence Address: -, -

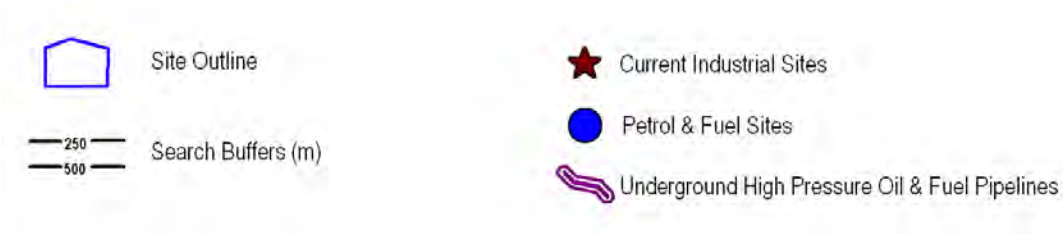
4. Current Land Use Map



Current Land Use Legend



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4. Current Land Uses

4.1 Current Industrial Data

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

323

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

ID	Distance [m]	Direction	Company	Address	Activity	Category
1A X	0.0	On Site	Works	BS11	Unspecified Works Or Factories	Industrial Features
2A L	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery
3A O	0.0	On Site	G R Fasteners & Engineering Supplies Ltd	Unit 6/A The Polygon, Fourth Way, Bristol, BS11 8DP	General Construction Supplies	Industrial Products
4	0.0	On Site	Pylon	BS11	Electrical Features	Infrastructure and Facilities
5A	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery
6B	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery
7	0.0	On Site	Warehouse	BS11	Container and Storage	Transport, Storage and Delivery
8	0.0	On Site	Avonmouth Police Station	Police Station, Avonmouth Road, Bristol, BS11 9LP	Police Stations	Central and Local Government
9A C	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery
10 B H	0.0	On Site	Tank	BS11	Tanks (Generic)	Industrial Features
11 A U	0.0	On Site	A & M Motors	Fourth Way, Bristol, BS11 8DX	Vehicle Repair, Testing and Servicing	Repair and Servicing
12	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
13 Y	0.0	On Site	Regional Freight Services Ltd	St. Andrews House, St. Andrews Road, Avonmouth, Bristol, BS11 9DQ	Distribution and Haulage	Transport, Storage and Delivery
14 A	0.0	On Site	Bishop Pots Bakeware Ltd	209a, Avonmouth Road, Bristol, BS11 9EG	Food and Beverage Industry Machinery	Industrial Products
15	0.0	On Site	Warehouse	BS11	Container and Storage	Transport, Storage and Delivery
16 A K	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery
17	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
18 M	0.0	On Site	M A N Bristol Ltd	Third Way, Avonmouth, Bristol, BS11 9YS	Industrial Repairs and Servicing	Repair and Servicing
19 P	0.0	On Site	Warehouse	BS11	Container and Storage	Transport, Storage and Delivery
20 A Z	0.0	On Site	The Orthodontic Co	The Old Church, Collins Street, Bristol, BS11 9JJ	Medical Equipment, Supplies and Pharmaceuticals	Industrial Products
21 B	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
22 E	0.0	On Site	Wryman Ltd	Pridetrade House, Gloucester Road, Avonmouth, Bristol, BS11 9AQ	Distribution and Haulage	Transport, Storage and Delivery

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23 H	0.0	On Site	Tank	BS11	Tanks (Generic)	Industrial Features
24 B	0.0	On Site	Tank	BS11	Tanks (Generic)	Industrial Features
25	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
26	0.0	On Site	Wellington Welding Supplies Ltd	Crowley Way, Avonmouth, Bristol, BS11 9ED	Tools Including Machine Shops	Industrial Products
27 AE	0.0	On Site	Workshops	BS11	Unspecified Works Or Factories	Industrial Features
28	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
29 K	0.0	On Site	B R T Bearings Ltd	Unit 7, Third Way, Avonmouth, Bristol, BS11 9HL	Bearing, Gear and Drive Elements	Industrial Products
30 R	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
31 O	0.0	On Site	Tank	BS11	Tanks (Generic)	Industrial Features
32	0.0	On Site	Warehouse	BS11	Container and Storage	Transport, Storage and Delivery
33	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery
34 A N	0.0	On Site	Warehouse	BS11	Container and Storage	Transport, Storage and Delivery
35 F	0.0	On Site	Weston Bay Seafoods Ltd	King Road Avenue, Avonmouth, Bristol, BS11 9HF	Fish, Meat and Poultry Products	Foodstuffs
36	0.0	On Site	Works	BS11	Unspecified Works Or Factories	Industrial Features
37 B B	0.0	On Site	Warehouse	BS11	Container and Storage	Transport, Storage and Delivery
38 AJ	0.0	On Site	Holt JCB Ltd	Third Way, Avonmouth, Bristol, BS11 9ZG	Construction Plant	Construction Services
39	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
40 B M	0.0	On Site	Warehouse	BS11	Container and Storage	Transport, Storage and Delivery
41 C	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery
42 A M	0.0	On Site	Dan Turner Automotive Ltd	Unit C Port Edward Centre, St. Andrews Road, Avonmouth, Bristol, BS11 9HS	Vehicle Repair, Testing and Servicing	Repair and Servicing
43 C	0.0	On Site	Works	BS11	Unspecified Works Or Factories	Industrial Features
44 A R	0.0	On Site	Avonmouth Station	BS11	Railway Stations, Junctions and Halts	Public Transport, Stations and Infrastructure
45 D	0.0	On Site	Kirkcave Business Centres	Richmond House, Avonmouth Way, Bristol, BS11 8DE	Business Parks and Industrial Estates	Industrial Features
46 B O	0.0	On Site	Sims Metal Management Ltd	St. Andrews Road, Royal Edward Dock, Bristol, BS11 9BT	Scrap Metal Merchants	Recycling Services
47 C	0.0	On Site	Works	BS11	Unspecified Works Or Factories	Industrial Features
48 D	0.0	On Site	Warehouse	BS11	Container and Storage	Transport, Storage and Delivery
49 D	0.0	On Site	Six Counties Distribution Ltd	Richmond House, Avonmouth Way, Bristol, BS11 8DE	Distribution and Haulage	Transport, Storage and Delivery
50 T	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
51 U	0.0	On Site	Unipart Automotive Ltd	Unit 3 Point 4, Second Way, Bristol, BS11 8DF	Vehicle Parts and Accessories	Motoring
52 J	0.0	On Site	Gantry	BS11	Travelling Cranes and Gantries	Industrial Features

53 E	0.0	On Site	C V R Trailers Ltd	The Harbour Centre 100, Gloucester Road, Avonmouth, Bristol, BS11 9AQ	New Vehicles	Motoring
54 F	0.0	On Site	Works	BS11	Unspecified Works Or Factories	Industrial Features
55 AF	0.0	On Site	Bunzl Cleaning & Hygiene Supplies	Unit 16 Avonbridge Trading Estate, Atlantic Road, Bristol, BS11 9QD	Cleaning Equipment and Supplies	Industrial Products
56 AY	0.0	On Site	Pylon	BS11	Electrical Features	Infrastructure and Facilities
57 G	0.0	On Site	Works	BS11	Unspecified Works Or Factories	Industrial Features
58	0.0	On Site	Coolcrest Refrigeration	48, St. Andrews Road, Avonmouth, Bristol, BS11 9EU	Cooling and Refrigeration	Industrial Products
59 D	0.0	On Site	Wye Valley Press	Richmond House, Avonmouth Way, Bristol, BS11 8DE	Published Goods	Industrial Products
60 G	0.0	On Site	Avonmouth Motor Services	Davis Street, Bristol, BS11 9JW	Vehicle Repair, Testing and Servicing	Repair and Servicing
61 D	0.0	On Site	Phoenix International Freight Services Ltd	Richmond House, Avonmouth Way, Bristol, BS11 8DE	Distribution and Haulage	Transport, Storage and Delivery
62 I	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery
63 A A	0.0	On Site	ATS Euromaster Ltd	Unit 3-5, Willment Way, Bristol, BS11 8DJ	Vehicle Parts and Accessories	Motoring
64 AI	0.0	On Site	Gledhill Building Products Ltd	Unit 6, Willment Way, Bristol, BS11 8DJ	Metals Manufacturers, Fabricators and Stockholders	Industrial Products
65 CJ	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
66 L	0.0	On Site	Speedy Hire Plc	Unit 1, Avonmouth Way West, Bristol, BS11 9EX	Construction and Tool Hire	Hire Services
67	0.0	On Site	D & B Shipping Ltd	H Berth Junction Cut, Avonmouth Dock, Bristol, BS11 9DH	Distribution and Haulage	Transport, Storage and Delivery
68 H	0.0	On Site	Gantry	BS11	Travelling Cranes and Gantries	Industrial Features
69 C	0.0	On Site	R M S Motor Services	81, Portview Road, Bristol, BS11 9JE	Vehicle Repair, Testing and Servicing	Repair and Servicing
70 I	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery
71	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery
72 V	0.0	On Site	Border Holdings UK Ltd	Avonmouth Way West, Bristol, BS11 9EX	Container and Storage	Transport, Storage and Delivery
73 J	0.0	On Site	Gantry	BS11	Travelling Cranes and Gantries	Industrial Features
74 A Q	0.0	On Site	Chubb Fire & Security	Unit 8 Avonbridge Trading Estate, Atlantic Road, Bristol, BS11 9QD	Special Purpose Machinery and Equipment	Industrial Products
75 N	0.0	On Site	Spot on Supplies Hygiene Ltd	Unit 1-2 Avon Gorge Industrial Estate, Portview Road, Bristol, BS11 9LQ	Cleaning Equipment and Supplies	Industrial Products
76 K	0.0	On Site	Tyres Direct Ltd	Unit 6, Third Way, Avonmouth, Bristol, BS11 9HL	Vehicle Parts and Accessories	Motoring
77 A B	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery
78 A V	0.0	On Site	Works	BS11	Unspecified Works Or Factories	Industrial Features
79 H	0.0	On Site	Tank	BS11	Tanks (Generic)	Industrial Features
80 F	0.0	On Site	Warehouse	BS11	Container and Storage	Transport, Storage and Delivery
81	0.0	On Site	Tank	BS11	Tanks (Generic)	Industrial Features

82 L	0.0	On Site	Warehouse	BS11	Container and Storage	Transport, Storage and Delivery
83 W	0.0	On Site	Tank	BS11	Tanks (Generic)	Industrial Features
84 M	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery
85 N	0.0	On Site	Aumuller UK Ltd	Unit 6 Avon Gorge Industrial Estate, Portview Road, Bristol, BS11 9LQ	Construction Completion Services	Construction Services
86 BT	0.0	On Site	Abbey Products Ltd	Unit 6 Avon Gorge Industrial Estate, Portview Road, Bristol, BS11 9LQ	Construction Completion Services	Construction Services
87 S	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
88 Q	0.0	On Site	Tank	BS11	Tanks (Generic)	Industrial Features
89 O	0.0	On Site	Radius Logistic Services Ltd	25, Portview Road, Bristol, BS11 9LD	Distribution and Haulage	Transport, Storage and Delivery
90 Z	0.0	On Site	Promec Engineering Ltd	Unit B, 7a4 Business Centre, Victoria Road, Avonmouth, Bristol, BS11 9DB	Cutting, Drilling and Welding Services	Construction Services
91	0.0	On Site	Warehouse	BS11	Container and Storage	Transport, Storage and Delivery
92 B C	0.0	On Site	Warehouses	BS11	Container and Storage	Transport, Storage and Delivery
93 A G	0.0	On Site	B M Foods Ltd	Third Way, Avonmouth, Bristol, BS11 9YS	Fish, Meat and Poultry Products	Foodstuffs
94 B G	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
95 A D	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery
96 P	0.0	On Site	Johnston Sweepers Ltd	Unit 5, Lescren Way, Bristol, BS11 8DG	Vehicle Repair, Testing and Servicing	Repair and Servicing
97 Q	0.0	On Site	GAP Group Ltd	Unit 18-19 Avonbridge Trading Estate, Atlantic Road, Bristol, BS11 9QD	Construction and Tool Hire	Hire Services
98 X	0.0	On Site	St Andrews Service Station	St. Andrews Service Station, St. Andrews Road, Avonmouth, Bristol, BS11 9HS	Petrol and Fuel Stations	Road and Rail
99 N	0.0	On Site	Stancold Plc	Portview Road, Bristol, BS11 9LQ	Container and Storage	Transport, Storage and Delivery
10 0A S	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery
10 1B A	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery
10 2	0.0	On Site	Avonmouth Autocare	28, Pages Mead, Bristol, BS11 9LA	Vehicle Repair, Testing and Servicing	Repair and Servicing
10 3R	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery
10 4S	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
10 5	0.0	On Site	R & K Ogborne	12, Clayton Street, Avonmouth, Bristol, BS11 9AH	Electrical and Electronic Engineers	Engineering Services
10 6T	0.0	On Site	Works	BS11	Unspecified Works Or Factories	Industrial Features
10 7A H	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
10 8	0.0	On Site	Vital Pet Products	Nova Distribution Centre, Nova Way, Bristol, BS11 9DJ	Animal Feeds, Pet Foods, Hay and Straw	Foodstuffs
10 9B D	0.0	On Site	Warehouse	BS11	Container and Storage	Transport, Storage and Delivery

11 0 U	0.0	On Site	Eurocarb Products Ltd	Unit 1 Point 4, Second Way, Bristol, BS11 8DF	Special Purpose Machinery and Equipment	Industrial Products
11 1V	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery
11 2 W	0.0	On Site	Chimney	BS11	Chimneys	Industrial Features
11 3X	0.0	On Site	Bristol Business Supplies	Unit 1, Third Way, Avonmouth, Bristol, BS11 9HL	Office and Shop Equipment	Industrial Products
11 4A W	0.0	On Site	Electricity Switching Station	BS11	Electrical Features	Infrastructure and Facilities
11 5B S	0.0	On Site	Travelling Crane	BS11	Travelling Cranes and Gantries	Industrial Features
11 6I	0.0	On Site	King Lifting	King Road Avenue, Avonmouth, Bristol, BS11 9HF	Construction and Tool Hire	Hire Services
11 7B	0.0	On Site	Bristol I C D Ltd	1, First Way, Bristol, BS11 9EF	Distribution and Haulage	Transport, Storage and Delivery
11 8B	0.0	On Site	Denholm Global Logistics Ltd	Bristol I C D 1, First Way, Avonmouth, Bristol, BS11 9EF	Distribution and Haulage	Transport, Storage and Delivery
11 9Y	0.0	On Site	Damco Freight Forwarders	St. Andrews House, St. Andrews Road, Avonmouth, Bristol, BS11 9DQ	Distribution and Haulage	Transport, Storage and Delivery
12 0Z	0.0	On Site	Maritime Transport	Victoria Road, Avonmouth, Bristol, BS11 9DB	Distribution and Haulage	Transport, Storage and Delivery
12 1A A	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
12 2A A	0.0	On Site	Marshall Fleet Solutions Ltd	Unit 7-8, Willment Way, Bristol, BS11 8DJ	Electrical Equipment Repair and Servicing	Repair and Servicing
12 3A T	0.0	On Site	Rencol Components Ltd	Unit 2 Avonbridge Trading Estate, Atlantic Road, Bristol, BS11 9QD	Distribution and Haulage	Transport, Storage and Delivery
12 4A B	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
12 5A C	0.0	On Site	Avonmouth Ambulance Station	Fire Station, St. Andrews Road, Avonmouth, Bristol, BS11 9HQ	Ambulance and Medical Transportation Services	Health Support Services
12 6A D	0.0	On Site	Global Protection Systems 2010 Ltd	Surety House, Third Way, Avonmouth, Bristol, BS11 9HL	Electronic Equipment	Industrial Products
12 7A P	0.0	On Site	Graypen Ltd	Junction Cut, Avonmouth Dock, Bristol, BS11 9DH	Distribution and Haulage	Transport, Storage and Delivery
12 8	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
12 9 Q	0.0	On Site	Tank	BS11	Tanks (Generic)	Industrial Features
13 0A D	0.0	On Site	Controls & Automation Ltd	Surety House, Third Way, Avonmouth, Bristol, BS11 9HL	Measurement and Inspection Equipment	Industrial Products
13 1A E	0.0	On Site	Testbank Ship Repair	Royal Edward Dock, Bristol, BS11 9BT	Marine Equipment Including Boats and Ships	Industrial Products
13 2A C	0.0	On Site	Avonmouth Fire Station	Fire Station, St. Andrews Road, Avonmouth, Bristol, BS11 9HQ	Fire Brigade Stations	Central and Local Government
13 3A F	0.0	On Site	Bristol Steel Stockholders Ltd	Unit 13-14 Avonbridge Trading Estate, Atlantic Road, Bristol, BS11 9QD	Metals Manufacturers, Fabricators and Stockholders	Industrial Products
13 4A G	0.0	On Site	Kings Heavy Haulage Bristol Ltd	Third Way, Avonmouth, Bristol, BS11 9YS	Distribution and Haulage	Transport, Storage and Delivery
13 5 H	0.0	On Site	Tank	BS11	Tanks (Generic)	Industrial Features

13 6A F	0.0	On Site	Fedex	Unit 17 Avonbridge Trading Estate, Atlantic Road, Bristol, BS11 9QD	Distribution and Haulage	Transport, Storage and Delivery
13 7Y	0.0	On Site	Clancy Docwra Ltd	St. Andrews House, St. Andrews Road, Avonmouth, Bristol, BS11 9DQ	Civil Engineers	Engineering Services
13 8 H	0.0	On Site	Screwfix	Unit 12 Avonbridge Trading Estate, Atlantic Road, Bristol, BS11 9QD	Tools Including Machine Shops	Industrial Products
13 9	0.0	On Site	Warehouse	BS11	Container and Storage	Transport, Storage and Delivery
14 0V	0.0	On Site	Blagden Packaging N V	Avonmouth Way West, Bristol, BS11 9EX	Recycling, Reclamation and Disposal	Recycling Services
14 1A H	0.0	On Site	Works	BS11	Unspecified Works Or Factories	Industrial Features
14 2J	0.0	On Site	Pylon	BS11	Electrical Features	Infrastructure and Facilities
14 3	0.0	On Site	HSS Hire Service Group Ltd	Unit A Island Trade Park, Bristow Broadway, Avonmouth, Bristol, BS11 9FB	Construction and Tool Hire	Hire Services
14 4F	0.0	On Site	Buckler Engineering Services Ltd	King Road Avenue, Avonmouth, Bristol, BS11 9HG	Industrial Engineers	Engineering Services
14 5A I	0.0	On Site	Horizon Mechanical Services International Ltd	Unit 1, Willment Way, Bristol, BS11 8DJ	Cooling and Refrigeration	Industrial Products
14 6B	0.0	On Site	Tank	BS11	Tanks (Generic)	Industrial Features
14 7A J	0.0	On Site	Kuehne & Nagel UK Ltd	Unit 1 St. Andrews Trading Estate, Third Way, Avonmouth, Bristol, BS11 9YE	Distribution and Haulage	Transport, Storage and Delivery
14 8A K	0.0	On Site	UK Industrial Supplies	Unit G-h Motorway Distribution Centre, Avonmouth Way West, Bristol, BS11 9YT	Workwear	Industrial Products
14 9	0.0	On Site	Pylon	BS11	Electrical Features	Infrastructure and Facilities
15 0	0.0	On Site	Works	BS11	Unspecified Works Or Factories	Industrial Features
15 1A G	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery
15 2B P	0.0	On Site	Works	BS11	Unspecified Works Or Factories	Industrial Features
15 3A L	0.0	On Site	Scania GB Ltd	Avonmouth Way, Bristol, BS11 8DB	Vehicle Bodybuilders	Industrial Products
15 4A M	0.0	On Site	Avon Site Trans Ltd	Port Edward Centre, St. Andrews Road, Avonmouth, Bristol, BS11 9HS	Distribution and Haulage	Transport, Storage and Delivery
15 5 Q	0.0	On Site	Maccess Ltd	Unit 21-22 Avonbridge Trading Estate, Atlantic Road, Bristol, BS11 9QD	Vehicle Parts and Accessories	Motoring
15 6A L	0.0	On Site	Scania Truck Rental	Avonmouth Way, Bristol, BS11 8DB	Vehicle Hire and Rental	Hire Services
15 7A H	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
15 8	0.0	On Site	Warehouse	BS11	Container and Storage	Transport, Storage and Delivery
15 9A N	0.0	On Site	Bristol & West Vehicle Hire	Fourth Way, Bristol, BS11 8DL	Vehicle Hire and Rental	Hire Services
16 0 W	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
16 1	0.0	On Site	Pylon	BS11	Electrical Features	Infrastructure and Facilities
16 2V	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery
16 3B F	0.0	On Site	Warehouses	BS11	Container and Storage	Transport, Storage and Delivery

164	0.0	On Site	Sand Depot	BS11	Container and Storage	Transport, Storage and Delivery
165BJ	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery
166AO	0.0	On Site	Plant-ex Ingredients Ltd	Unit 5 The Polygon, Fourth Way, Bristol, BS11 8DP	Catering and Non Specific Food Products	Foodstuffs
167	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
168AI	0.0	On Site	Cory Brothers Shipping Agency	Unit 2, Willment Way, Bristol, BS11 8DJ	Distribution and Haulage	Transport, Storage and Delivery
169E	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery
170AP	0.0	On Site	GB Oils	Cory Building Junction Cut, Avonmouth Dock, Bristol, BS11 9DH	Fuel Distributors and Suppliers	Household, Office, Leisure and Garden
171	0.0	On Site	Coppas Controls Ltd	Unit C Island Trade Park, Bristow Broadway, Avonmouth, Bristol, BS11 9FB	Electrical Components	Industrial Products
172AQ	0.0	On Site	Tank	BS11	Tanks (Generic)	Industrial Features
173AR	0.0	On Site	Tank	BS11	Tanks (Generic)	Industrial Features
174BK	0.0	On Site	Workshops	BS11	Unspecified Works Or Factories	Industrial Features
175	0.0	On Site	Warehouse	BS11	Container and Storage	Transport, Storage and Delivery
176CI	0.0	On Site	Hoppers	BS11	Hoppers and Silos	Farming
177AJ	0.0	On Site	Avonmouth Rubber & Plastics	Unit 2, Jubilee Way, Avonmouth, Bristol, BS11 9HU	General Construction Supplies	Industrial Products
178AS	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
179AT	0.0	On Site	Howden Joinery Ltd	Unit 1 Avonbridge Trading Estate, Atlantic Road, Bristol, BS11 9QD	General Construction Supplies	Industrial Products
180K	0.0	On Site	Technical Convertors Ltd	Unit 5, Third Way, Avonmouth, Bristol, BS11 9HL	Packaging	Industrial Products
181AU	0.0	On Site	Pylon	BS11	Electrical Features	Infrastructure and Facilities
182C	0.0	On Site	A P E Fire & Security Ltd	76-78, Portview Road, Bristol, BS11 9JF	Workwear	Industrial Products
183AV	0.0	On Site	Sulzer Dowding & Mills	Third Way, Avonmouth, Bristol, BS11 9HL	Electrical and Electronic Engineers	Engineering Services
184AT	0.0	On Site	Pylon	BS11	Electrical Features	Infrastructure and Facilities
185AQ	0.0	On Site	Tacklestore Ltd	Unit 23 Avonbridge Trading Estate, Atlantic Road, Bristol, BS11 9QD	Workwear	Industrial Products
186AW	0.0	On Site	Pylon	BS11	Electrical Features	Infrastructure and Facilities
187AX	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery
188Z	0.0	On Site	Co-channel Electronics Ltd	Unit A, 7a4 Business Centre, Victoria Road, Avonmouth, Bristol, BS11 9DB	Radar and Telecommunications Equipment	Industrial Products
189O	0.0	On Site	Devon Medical Equipment	Unit 11 Avon Riverside Estate, Victoria Road, Avonmouth, Bristol, BS11 9DB	Medical Equipment, Supplies and Pharmaceuticals	Industrial Products
190AY	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities

19 1A Z	0.0	On Site	Hallen Motor Body Company	Collins Street, Bristol, BS11 9JJ	Vehicle Repair, Testing and Servicing	Repair and Servicing
19 2B A	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery
19 3A B	0.0	On Site	Brandon Hire	Neale Lane, Avonmouth, Bristol, BS11 9DT	Construction and Tool Hire	Hire Services
19 4B B	0.0	On Site	British Seed Houses Ltd	Portview Road, Bristol, BS11 9JH	Agricultural Machinery and Goods	Industrial Products
19 5A J	0.0	On Site	Blackburns Metals Ltd	Unit 2-3 St. Andrews Trading Estate, Third Way, Avonmouth, Bristol, BS11 9YE	Metals Manufacturers, Fabricators and Stockholders	Industrial Products
19 6B E	0.0	On Site	Warehouse	BS11	Container and Storage	Transport, Storage and Delivery
19 7B C	0.0	On Site	Blinking Lamp Co Ltd	Unit F Motorway Distribution Centre, Avonmouth Way West, Bristol, BS11 9YT	Special Purpose Machinery and Equipment	Industrial Products
19 8	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
19 9	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
20 0B D	0.0	On Site	BP Gas	Fourth Way, Bristol, BS11 8DL	Fuel Distributors and Suppliers	Household, Office, Leisure and Garden
20 1 C K	0.0	On Site	Works	BS11	Unspecified Works Or Factories	Industrial Features
20 2	0.0	On Site	Travelling Crane	BS11	Travelling Cranes and Gentries	Industrial Features
20 3B E	0.0	On Site	Stapletons Tyre Services	Avonmouth Way, Bristol, BS11 9EA	Vehicle Components	Industrial Products
20 4 O	0.0	On Site	Mathias & Sons Ltd	George Mathias House, Victoria Road, Avonmouth, Bristol, BS11 9DB	Workwear	Industrial Products
20 5B F	0.0	On Site	Wincanton Group Ltd	St. Brendans Way, Bristol, BS11 9HA	Container and Storage	Transport, Storage and Delivery
20 6B D	0.0	On Site	R B Uropa	Fourth Way, Bristol, BS11 8DW	Distribution and Haulage	Transport, Storage and Delivery
20 7X	0.0	On Site	St Andrews Otr Service Station	St. Andrews Service Station, St. Andrews Road, Avonmouth, Bristol, BS11 9HS	Petrol and Fuel Stations	Road and Rail
20 8 D	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery
20 9	0.0	On Site	Avonmouth Dock	BS11	Marine Equipment Including Boats and Ships	Industrial Products
21 0B I	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
21 1	0.0	On Site	Tank	BS11	Tanks (Generic)	Industrial Features
21 2A A	0.0	On Site	Truckforce	Unit 10, Willment Way, Bristol, BS11 8DJ	Vehicle Parts and Accessories	Motoring
21 3B G	0.0	On Site	Avon Hydraulics UK	Unit 7 Avon Gorge Industrial Estate, Portview Road, Bristol, BS11 9LQ	Hydraulic Engineers	Engineering Services
21 4A C	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
21 5B L	0.0	On Site	Poolec Automotive Products Ltd	Unit 8 The Polygon, Fourth Way, Bristol, BS11 8DP	Vehicle Repair, Testing and Servicing	Repair and Servicing
21 6Y	0.0	On Site	Bristol Port Company	St. Andrews House, St. Andrews Road, Avonmouth, Bristol, BS11 9DQ	Moorings and Unloading Facilities	Water
21 7B H	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities

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21 8Y	0.0	On Site	Clarksons Port Services Plc	St. Andrews House, St. Andrews Road, Avonmouth, Bristol, BS11 9DQ	Distribution and Haulage	Transport, Storage and Delivery
21 9B I	0.0	On Site	Elliot Baxter & Co Ltd	Unit 14-15 St. Andrews Trading Estate, Third Way, Avonmouth, Bristol, BS11 9YE	Wood Products Including Charcoal, Paper, Card and Board	Industrial Products
22 0B J	0.0	On Site	Laureston Transport Services Ltd	King Road Avenue, Avonmouth, Bristol, BS11 9HF	Distribution and Haulage	Transport, Storage and Delivery
22 1B E	0.0	On Site	Warehouse	BS11	Container and Storage	Transport, Storage and Delivery
22 2B K	0.0	On Site	Workshops	BS11	Unspecified Works Or Factories	Industrial Features
22 3K	0.0	On Site	B M I Bristol	Unit 5, Third Way, Avonmouth, Bristol, BS11 9HL	Hydraulic Engineers	Engineering Services
22 4	0.0	On Site	Denholm Barwil	Avonmouth Dock, Bristol, BS11 9DN	Distribution and Haulage	Transport, Storage and Delivery
22 5	0.0	On Site	Conveyor	BS11	Conveyors	Industrial Features
22 6	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
22 7T	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery
22 8 C	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
22 9	0.0	On Site	Pylon	BS11	Electrical Features	Infrastructure and Facilities
23 0	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
23 1Y	0.0	On Site	Knauf Marmorit UK Gmbh	St. Andrews House, St. Andrews Road, Avonmouth, Bristol, BS11 9DQ	General Construction Supplies	Industrial Products
23 2 C	0.0	On Site	Sampson Commercials Ltd	79, Portview Road, Bristol, BS11 9JE	Vehicle Repair, Testing and Servicing	Repair and Servicing
23 3B L	0.0	On Site	Arrow Radiators Avonmouth Ltd	Unit 10 The Polygon, Fourth Way, Bristol, BS11 8DP	Vehicle Repair, Testing and Servicing	Repair and Servicing
23 4X	0.0	On Site	Pirtek Bristol	St. Andrews Road, Avonmouth, Bristol, BS11 9HQ	Industrial Repairs and Servicing	Repair and Servicing
23 5B L	0.0	On Site	Sanoh UK Manufacture Ltd	Grandeur Point, Fourth Way, Bristol, BS11 8DL	Vehicle Components	Industrial Products
23 6B N	2.0	SE	Pylon	BS11	Electrical Features	Infrastructure and Facilities
23 7B M	3.0	SE	Bristol Fluid System Technologies Ltd	Fourth Way, Bristol, BS11 8DL	Seals, Tapes, Taps and Valves	Industrial Products
23 8B N	3.0	SE	Tank	BS11	Tanks (Generic)	Industrial Features
23 9 N	5.0	SW	Ben Shaws Western	Unit 5 Avon Gorge Industrial Estate, Portview Road, Bristol, BS11 9LQ	Distribution and Haulage	Transport, Storage and Delivery
24 0A Y	7.0	NE	Tank	BS11	Tanks (Generic)	Industrial Features
24 1 N	8.0	SW	Avon Gorge Industrial Estate	BS11	Business Parks and Industrial Estates	Industrial Features
24 2	8.0	N	Haslemere Industrial Estate	BS11	Business Parks and Industrial Estates	Industrial Features
24 3 O	11.0	SW	Vigilance Engineering Safety Products Ltd	Unit 10 Avon Riverside Estate, Victoria Road, Avonmouth, Bristol, BS11 9DB	Lubricants and Lubricating Equipment	Industrial Products
24 4B O	11.0	NW	Scrap Metal Yard	BS11	Scrap Metal Merchants	Recycling Services
24 5	13.0	SE	Depot	BS11	Container and Storage	Transport, Storage and Delivery

24 6 N	13.0	SW	Pylon	BS11	Electrical Features	Infrastructure and Facilities
24 7B P	18.0	SE	Tank	BS11	Tanks (Generic)	Industrial Features
24 8B Q	18.0	SW	Portishead Engineering & Construction Ltd	Unit C 3, Portview Road, Bristol, BS11 9LQ	Industrial Engineers	Engineering Services
24 9	23.0	NE	Pylon	BS11	Electrical Features	Infrastructure and Facilities
25 0B M	28.0	SE	Pylon	BS11	Electrical Features	Infrastructure and Facilities
25 1B Y	33.0	NW	Bristol Docks Ferry Landing	BS11	Ferries and Ferry Terminals	Water
25 2	37.0	SW	Tank	BS11	Tanks (Generic)	Industrial Features
25 3B Q	39.0	SW	Oak International Freight Ltd	1, Portview Road, Bristol, BS11 9LS	Distribution and Haulage	Transport, Storage and Delivery
25 4B Q	39.0	SW	I E S	1, Portview Road, Bristol, BS11 9LS	Electrical Production and Manipulation Equipment	Industrial Products
25 5B V	40.0	SW	Cement Works	BS11	Unspecified Works Or Factories	Industrial Features
25 6	43.0	SE	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
25 7B X	44.0	SE	Pylon	BS11	Electrical Features	Infrastructure and Facilities
25 8B R	45.0	N	World Flight Services	Unit 6-8 Bristol International Airport Freight Centre, Jubilee Way, Avonmouth, Bristol, BS11 9HU	Airlines and Airline Services	Transport, Storage and Delivery
25 9B R	45.0	N	Skybound Services Ltd	Unit 6-8 Bristol International Airport Freight Centre, Jubilee Way, Avonmouth, Bristol, BS11 9HU	Distribution and Haulage	Transport, Storage and Delivery
26 0B S	48.0	NW	Travelling Crane	BS11	Travelling Cranes and Gantries	Industrial Features
26 1B D	56.0	SE	Gantry	BS11	Travelling Cranes and Gantries	Industrial Features
26 2B T	57.0	SW	Concordia International Ltd	Unit 7 Avon Riverside Estate, Victoria Road, Avonmouth, Bristol, BS11 9DB	Distribution and Haulage	Transport, Storage and Delivery
26 3	58.0	SW	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
26 4B W	58.0	NE	Warehouse	BS11	Container and Storage	Transport, Storage and Delivery
26 5B U	59.0	N	Pearce Bros Ltd	Jubilee Way, Avonmouth, Bristol, BS11 9HU	Vehicle Repair, Testing and Servicing	Repair and Servicing
26 6B U	64.0	N	Depot	BS11	Container and Storage	Transport, Storage and Delivery
26 7	65.0	NW	Conveyor	BS11	Conveyors	Industrial Features
26 8B V	70.0	SW	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
26 9	71.0	NW	Travelling Crane	BS11	Travelling Cranes and Gantries	Industrial Features
27 0	71.0	SW	Freight Depot	BS11	Container and Storage	Transport, Storage and Delivery
27 1B W	72.0	NE	Nisbets Plc	Fourth Way, Bristol, BS11 8TB	Food and Beverage Industry Machinery	Industrial Products
27 2B X	72.0	SE	Gantry	BS11	Travelling Cranes and Gantries	Industrial Features
27 3	73.0	SW	Tank	BS11	Tanks (Generic)	Industrial Features

27 4	87.0	NW	Travelling Crane	BS11	Travelling Cranes and Gantries	Industrial Features
27 5B U	87.0	N	Depot	BS11	Container and Storage	Transport, Storage and Delivery
27 6	87.0	N	A M S Cleaning Services	Royal Edward Dock, Bristol, BS11 9BT	Waste Storage, Processing and Disposal	Infrastructure and Facilities
27 7B Y	88.0	NW	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
27 8B Z	91.0	N	Tank	BS11	Tanks (Generic)	Industrial Features
27 9	94.0	N	Slag Heap	BS11	Refuse Disposal Facilities	Infrastructure and Facilities
28 0	101.0	SE	Gantry	BS11	Travelling Cranes and Gantries	Industrial Features
28 1B Z	101.0	N	Site Equipment Ltd	St. Andrews Road, Avonmouth, Bristol, BS11 9HS	Construction and Tool Hire	Hire Services
28 2B Z	101.0	N	Towers Thompsons	St. Andrews Road, Avonmouth, Bristol, BS11 9HS	Fish, Meat and Poultry Products	Foodstuffs
28 3B Z	101.0	N	Cleveland Cable Co Ltd	St. Andrews Road, Avonmouth, Bristol, BS11 9HS	Cable, Wire and Fibre Optics	Industrial Products
28 4	113.0	S	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
28 5	120.0	SE	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
28 6	124.0	NW	Travelling Crane	BS11	Travelling Cranes and Gantries	Industrial Features
28 7	127.0	NE	Tanks	BS11	Tanks (Generic)	Industrial Features
28 8	130.0	E	Gantry	BS11	Travelling Cranes and Gantries	Industrial Features
28 9	133.0	NE	Pumping House	BS11	Water Pumping Stations	Industrial Features
29 0 C A	134.0	SW	DHL Global Forwarding	Unit 1-2 Avon Riverside Estate, Victoria Road, Avonmouth, Bristol, BS11 9DB	Distribution and Haulage	Transport, Storage and Delivery
29 1 C A	134.0	SW	Speedy Hire Plc	Avon Riverside Estate, Victoria Road, Avonmouth, Bristol, BS11 9DB	Construction and Tool Hire	Hire Services
29 2	138.0	SW	Jetty (Disused)	BS11	Moorings and Unloading Facilities	Water
29 3 C B	138.0	SE	Shirehampton Motors	West Town Road, Bristol, BS11 9NQ	Vehicle Repair, Testing and Servicing	Repair and Servicing
29 4	140.0	NE	Slag Heap	BS11	Refuse Disposal Facilities	Infrastructure and Facilities
29 5	142.0	N	Works	BS11	Unspecified Works Or Factories	Industrial Features
29 6	142.0	NE	Depot	BS11	Container and Storage	Transport, Storage and Delivery
29 7	152.0	N	Works	BS11	Unspecified Works Or Factories	Industrial Features
29 8	153.0	NW	Travelling Crane	BS11	Travelling Cranes and Gantries	Industrial Features
29 9	154.0	SE	Gantry	BS11	Travelling Cranes and Gantries	Industrial Features
30 0	167.0	NE	Depot	BS11	Container and Storage	Transport, Storage and Delivery
30 1	169.0	SW	Sand Wharf	BS11	Moorings and Unloading Facilities	Water

Report Reference: HMD-441-912071

30 2	180.0	N	Conveyor	BS11	Conveyors	Industrial Features
30 3 C C	184.0	NE	Depot	BS11	Container and Storage	Transport, Storage and Delivery
30 4 C B	184.0	SE	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
30 5	186.0	S	J P Crane Hire Ltd	The Camp Avonbank Industrial Centre, West Town Road, Bristol, BS11 9DE	Construction and Tool Hire	Hire Services
30 6 C C	190.0	NE	Renault Trucks Southwest	Fifth Way, Bristol, BS11 8DT	New Vehicles	Motoring
30 7 C E	201.0	N	Avonmouth Auto Electrical Ltd	Unit C Port Edward Centre, St. Andrews Road, Avonmouth, Bristol, BS11 9HS	Vehicle Repair, Testing and Servicing	Repair and Servicing
30 8	204.0	NW	Royal Edward Dock	BS11	Marine Equipment Including Boats and Ships	Industrial Products
30 9	207.0	NE	Davies Turner & Co Ltd	Western Freight Terminal, Fifth Way, Bristol, BS11 8DT	Distribution and Haulage	Transport, Storage and Delivery
31 0 C D	211.0	SW	M Barnwell Services Ltd	Unit 13 Avonbank Industrial Centre, West Town Road, Bristol, BS11 9DE	Seals, Tapes, Taps and Valves	Industrial Products
31 1	213.0	SW	Jetty (Disused)	BS11	Moorings and Unloading Facilities	Water
31 2	218.0	SE	Triangle Television Services Ltd	79, Lower High Street, Bristol, BS11 0AW	Electrical Equipment Repair and Servicing	Repair and Servicing
31 3	224.0	SW	Pylon	BS11	Electrical Features	Infrastructure and Facilities
31 4 C D	225.0	SW	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
31 5 C E	229.0	N	Depot	BS11	Container and Storage	Transport, Storage and Delivery
31 6 C G	235.0	NE	Tanks	BS11	Tanks (Generic)	Industrial Features
31 7 C E	237.0	N	Western Tyres Ltd	Alloys House, St. Andrews Road, Avonmouth, Bristol, BS11 9HS	Vehicle Parts and Accessories	Motoring
31 8 CF	237.0	NE	Tanks	BS11	Tanks (Generic)	Industrial Features
31 9 CF	238.0	NE	Conveyor	BS11	Conveyors	Industrial Features
32 0 C D	239.0	SW	Depot	BS11	Container and Storage	Transport, Storage and Delivery
32 1 C H	242.0	SW	Press2print	Unit 8-9 Avonbank Industrial Centre, West Town Road, Bristol, BS11 9DE	Published Goods	Industrial Products
32 2 C G	246.0	NE	Tanks	BS11	Tanks (Generic)	Industrial Features
32 3 C H	249.0	SW	Dantek Environmental Services UK Ltd	Unit 2 Avonbank Industrial Centre, West Town Road, Bristol, BS11 9DE	Air and Water Filtration	Industrial Products

4.2 Petrol and Fuel Sites

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

6

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

ID	Distance [m]	Direction	NGR	Company	Address	LPG	Status
32 4CI	0.0	On Site	351850, 177819	Unbranded	Weatherheads, 68, Portview Road, Portview Road, Avonmouth, Bristol, Bristol, BS11 9JF	Not Applicable	Obsolete
32 5CJ	0.0	On Site	351895, 178012	Unbranded	Avonmouth Self Service, Avonmouth Road, Avonmouth, Bristol, Bristol, BS11 9EN	Not Applicable	Obsolete
32 6A D	0.0	On Site	351967, 178680	Obsolete	Bristol Port Service Station, St Andrews Road, St Andrews Road, Avonmouth, Bristol, Bristol, BS11 9HQ	Not Applicable	Obsolete
32 7X	0.0	On Site	351680, 178720	Esso	St Andrews Otr Service Station, St Andrews Road, St Andrews Road, Avonmouth, Bristol, Bristol, BS11 9EU	No	Open
32 8BI	0.0	On Site	351982, 178769	Unbranded	The Avon Lodge Truckstop, Third Way, Third Way, Avonmouth, Bristol, Bristol, BS11 9YP	Not Applicable	Non-Retail
32 9AJ	0.0	On Site	352001, 178836	Obsolete	Afs Garages, St Andrews Road, St Andrews Road, Avonmouth, Bristol, Bristol, BS11 9HQ	Not Applicable	Obsolete

4.3 Underground High Pressure Oil and Gas Pipelines

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

1

The following Underground High Pressure Oil and Gas pipeline records provided by Linewatch are represented as linear features on the Current Land Use map:

ID	Distance [m]	Direction	Address	Operator	Telephone
330 CK	0.0	On Site	GPSS, PO Box 7273, Ashby De La Zouch, LE65 2BY	GPSS Aldermaston pipelines	0845 070 1245

5. Geology

5.1 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
WGR-OPEN	WORKED GROUND (UNDIVIDED)	VOID
MGR-MGRD	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

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

5.2 Superficial Ground and Drift Geology

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

Lex Code	Description	Rock Type
TFD-CLSI	TIDAL FLAT DEPOSITS	CLAY AND SILT
HEAD-CSSG	HEAD	CLAY, SILT, SAND AND GRAVEL

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

5.3 Bedrock and Solid Geology

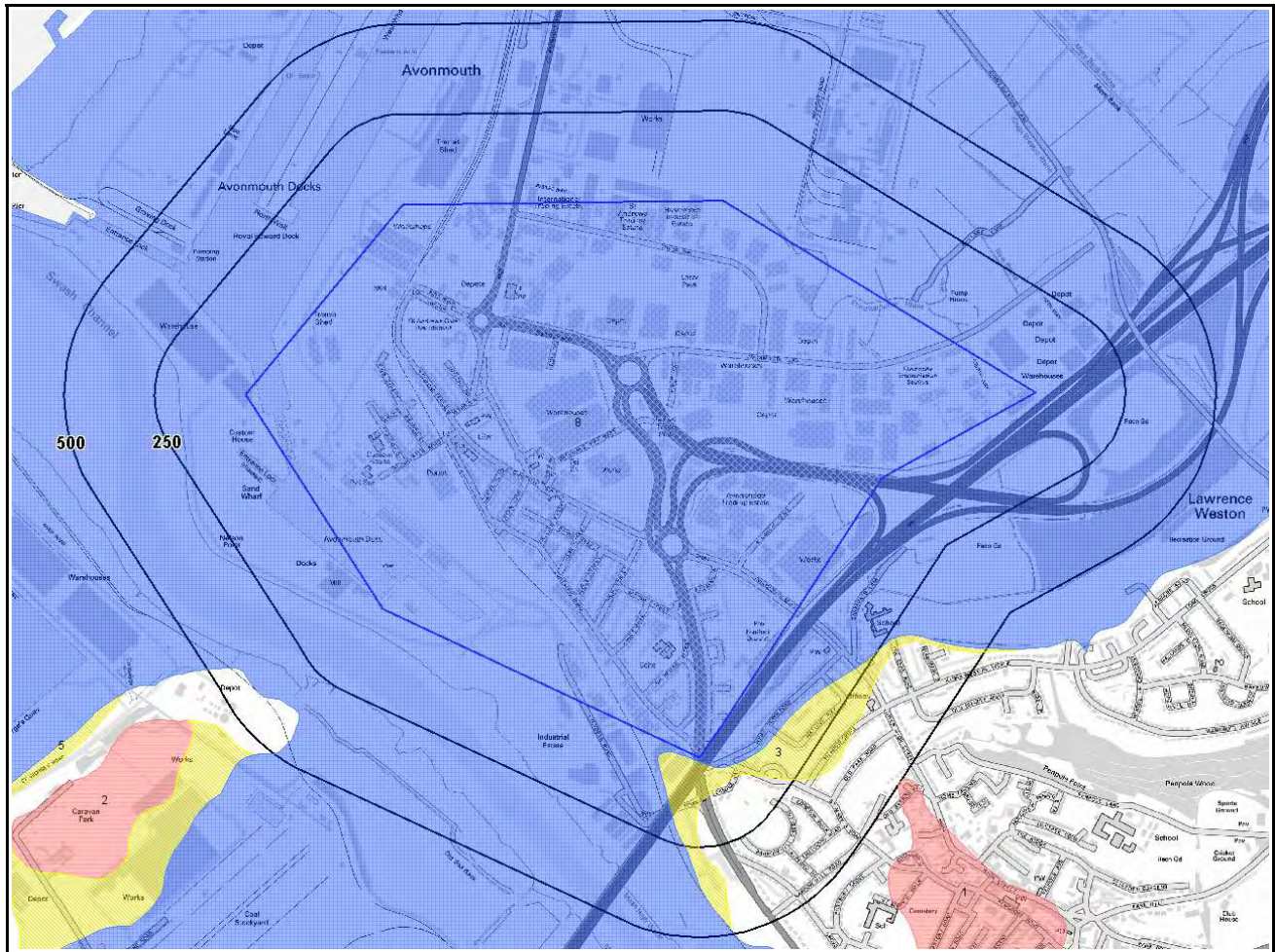
The database has been searched on site, including a 50m buffer.

LEX Code	Description	Rock Type
MMG-MDHA	MERCIA MUDSTONE GROUP	MUDSTONE AND HALITE-STONE

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

For more detailed geological and ground stability data please refer to the "GroundSure Geology and Ground Stability Report". Available from our website.

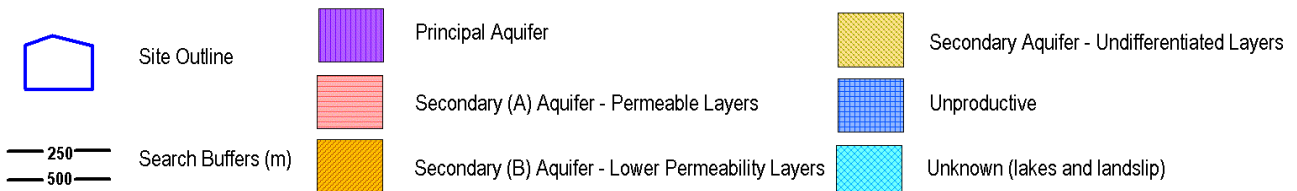
6a. Hydrogeology - Aquifer Within Superficial Geology



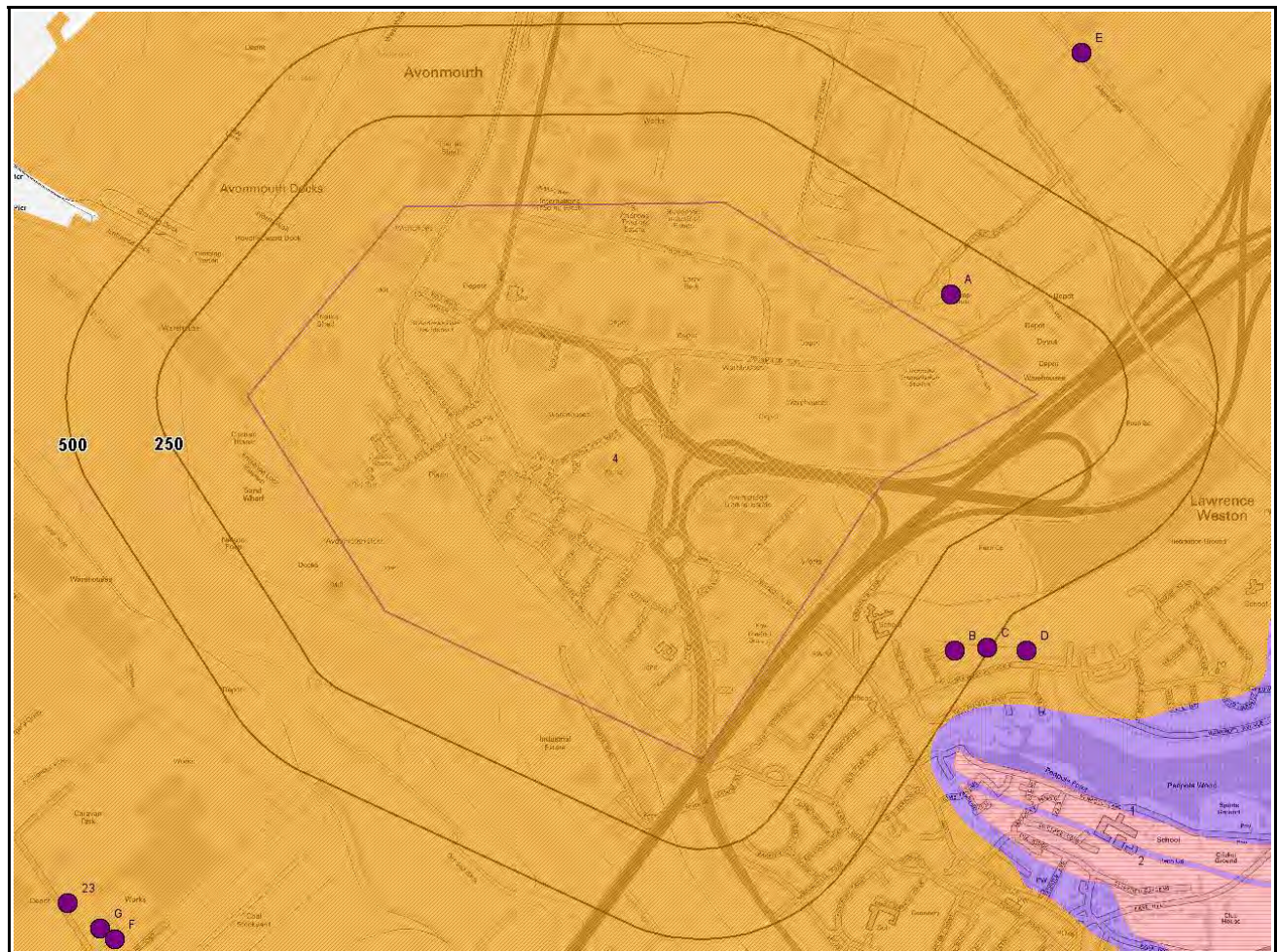
Aquifer Within Superficial Geology Legend



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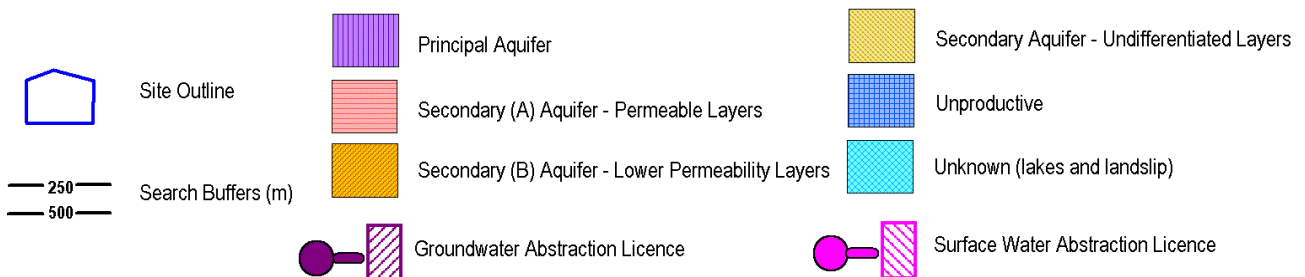
6b. Hydrogeology - Aquifer Within Bedrock Geology and Abstraction Licenses



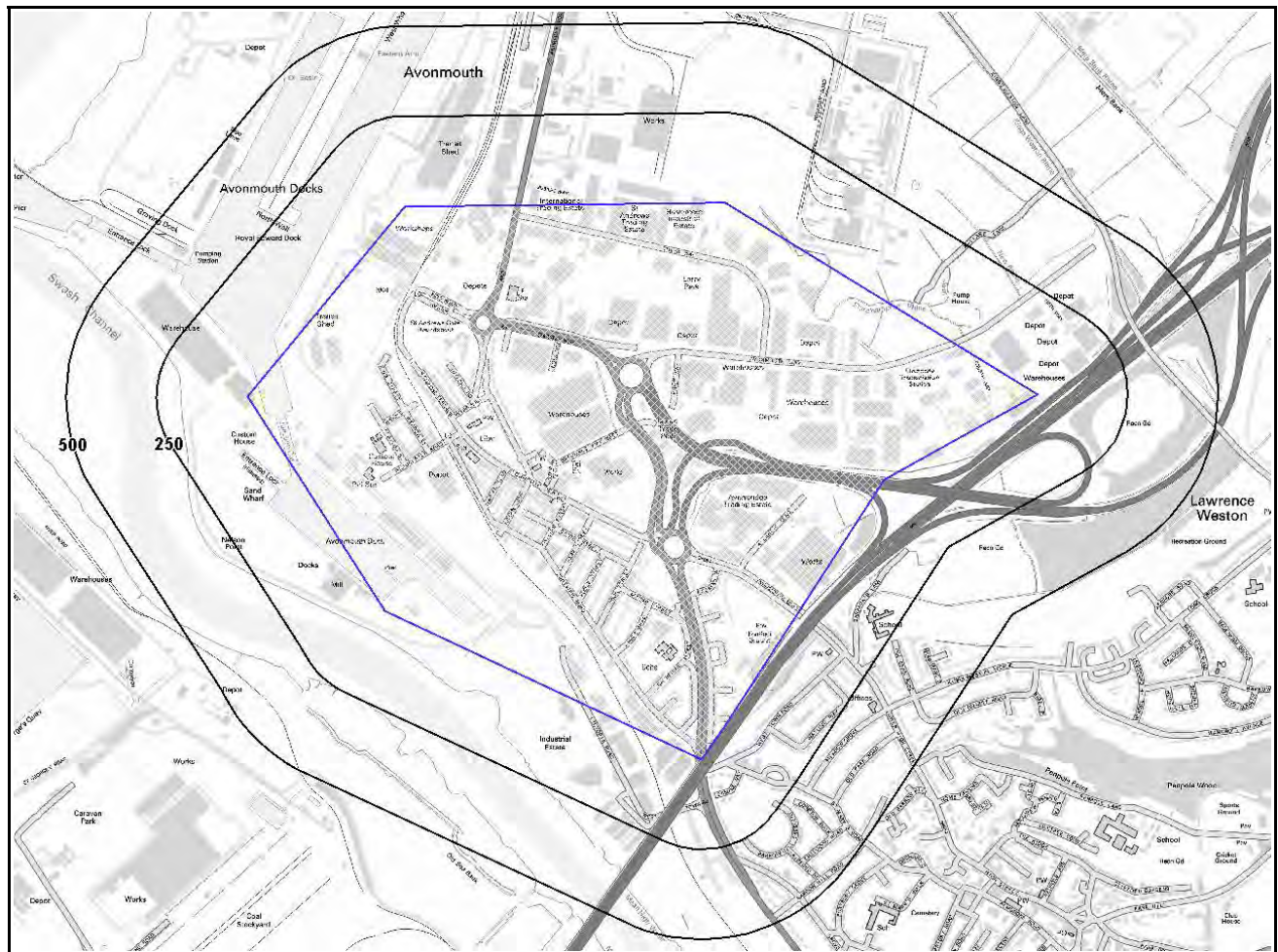
Aquifer Within Bedrock Geology Legend



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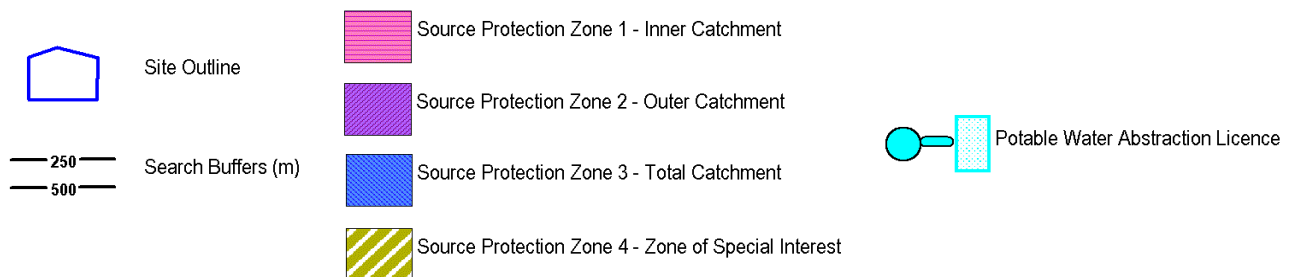
6c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licenses



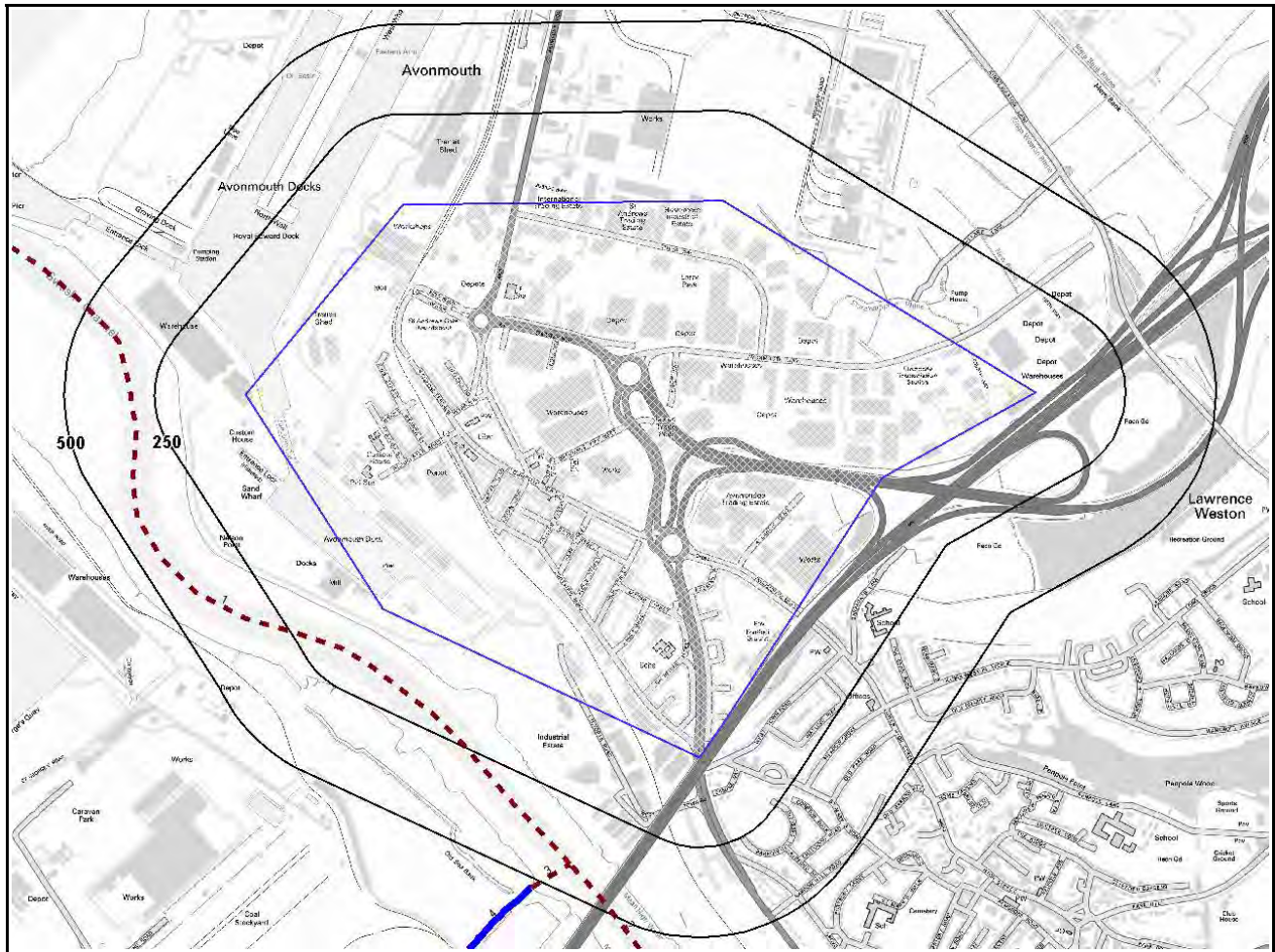
SPZ and Potable Water Abstraction Licenses
Legend



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6d. Hydrology – Detailed River Network and River Quality



Hydrology Legend



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6. Hydrogeology and Hydrology

6.1 Aquifer within Superficial Deposits

Are there records of productive strata 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
8	0.0	On Site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
3	12.0	S	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
1	497.0	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

6.2 Aquifer within Bedrock Deposits

Are there records of productive strata 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
4	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

6.3 Groundwater Abstraction Licences

Are there any Groundwater Abstraction Licences within 1000m 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	Direction	NGR	Details
6A	110.0	NE	352940, 178590	Licence No: 18/54/020/G/131 Details: Non-Evaporative Cooling Direct Source: Ground Water - Fresh Point: Ballast Lane (borehole No 7) Data Type: Point Annual Volume (m³): 1274360 Max Daily Volume (m³): 3491.4 Original Application No: - Original Start Date: 8/7/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/1/2005 Version End Date:

Report Reference: HMD-441-912071

7A	110.0	NE	352940, 178590	Licence No: 18/54/020/G/131 Details: Process Water Direct Source: Ground Water - Fresh Point: Ballast Lane (borehole No 7) Data Type: Point	Annual Volume (m ³): 1274360 Max Daily Volume (m ³): 3491.4 Original Application No: - Original Start Date: 8/7/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/1/2005 Version End Date:
8B	422.0	SE	352950, 177600	Licence No: 18/54/020/G/129 Details: Non-Evaporative Cooling Direct Source: Ground Water - Fresh Point: Pen Pole - Borehole 3 Data Type: Point	Annual Volume (m ³): 1513302 Max Daily Volume (m ³): 4146.04 Original Application No: - Original Start Date: 8/7/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/1/2005 Version End Date:
9B	422.0	SE	352950, 177600	Licence No: 18/54/020/G/129 Details: Process Water Direct Source: Ground Water - Fresh Point: Pen Pole - Borehole 3 Data Type: Point	Annual Volume (m ³): 1513302 Max Daily Volume (m ³): 4146.04 Original Application No: - Original Start Date: 8/7/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/1/2005 Version End Date:
10C	492.0	SE	353040, 177610	Licence No: 18/54/020/G/129 Details: Non-Evaporative Cooling Direct Source: Ground Water - Fresh Point: Pen Pole - Borehole 1 Data Type: Point	Annual Volume (m ³): 1513302 Max Daily Volume (m ³): 4146.04 Original Application No: - Original Start Date: 8/7/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/1/2005 Version End Date:
11C	492.0	SE	353040, 177610	Licence No: 18/54/020/G/129 Details: Process Water Direct Source: Ground Water - Fresh Point: Pen Pole - Borehole 1 Data Type: Point	Annual Volume (m ³): 1513302 Max Daily Volume (m ³): 4146.04 Original Application No: - Original Start Date: 8/7/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/1/2005 Version End Date:
12D	590.0	SE	353150, 177600	Licence No: 18/54/020/G/129 Details: Non-Evaporative Cooling Direct Source: Ground Water - Fresh Point: Pen Pole - Borehole 2 Data Type: Point	Annual Volume (m ³): 1094998 Max Daily Volume (m ³): 3000 Original Application No: - Original Start Date: 8/7/1966 Expiry Date: - Issue No: 102 Version Start Date: 19/3/2008 Version End Date:
13D	590.0	SE	353150, 177600	Licence No: 18/54/020/G/129 Details: Process Water Direct Source: Ground Water - Fresh Point: Pen Pole - Borehole 2 Data Type: Point	Annual Volume (m ³): 1094998 Max Daily Volume (m ³): 3000 Original Application No: - Original Start Date: 8/7/1966 Expiry Date: - Issue No: 102 Version Start Date: 19/3/2008 Version End Date:
14E	869.0	NE	353300, 179260	Licence No: 18/54/020/G/130 Details: Non-Evaporative Cooling Direct Source: Ground Water - Fresh Point: Merebank (borehole No 6) Data Type: Point	Annual Volume (m ³): 716826 Max Daily Volume (m ³): 1963.91 Original Application No: - Original Start Date: 8/7/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/1/2005 Version End Date:
15E	869.0	NE	353300, 179260	Licence No: 18/54/020/G/130 Details: Process Water Direct Source: Ground Water - Fresh Point: Merebank (borehole No 6) Data Type: Point	Annual Volume (m ³): 716826 Max Daily Volume (m ³): 1963.91 Original Application No: - Original Start Date: 8/7/1966 Expiry Date: - Issue No: 101 Version Start Date: 1/1/2005 Version End Date:

6.4 Surface Water Abstraction Licences

Are there any Surface Water Abstraction Licences within 1000m of the study site?

No

Report Reference: HMD-441-912071

Database searched and no data found.

6.5 Potable Water Abstraction Licences

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

No

Database searched and no data found.

6.6 Source Protection Zones

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

No

Database searched and no data found.

6.7 River Quality

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

No

Biological Quality:

Database searched and no data found.

Chemical Quality:

Database searched and no data found.

6.8 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	Direction	Details	
1	150.0	SW	River Name: - Water Course Name: Avon (lower) Welsh River Name: - Alternative Name: -	River Type: D/S of High Water Mark Catchment: - Drain: NO Main River Status: Currently Undefined
2	420.0	SW	River Name: - Water Course Name: Avon (lower) Welsh River Name: - Alternative Name: -	River Type: D/S of High Water Mark Catchment: - Drain: NO Main River Status: Currently Undefined
3	420.0	SW	River Name: - Water Course Name: - Welsh River Name: - Alternative Name: -	River Type: D/S of High Water Mark Catchment: - Drain: NO Main River Status: Currently Undefined

6.9 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 to Surface Water (m)	on-site	0-50	51-250
Surface water features within 250m of the study site	Yes	Yes	Yes

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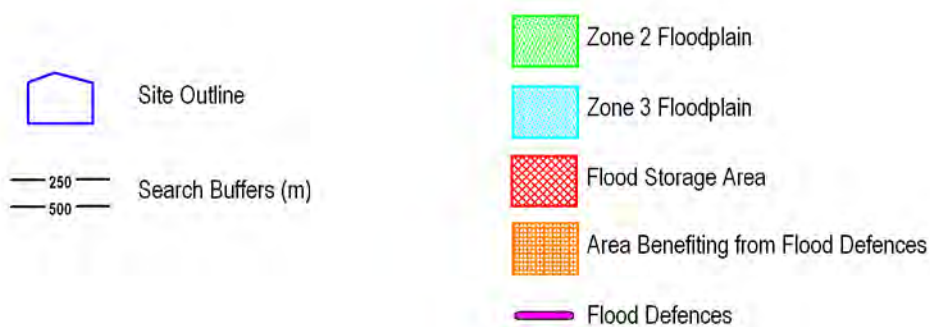
7. Surface Water Flood Map



Surface Water Flood Legend



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7. Flooding

7.1 Zone 2 Flooding

Zone 2 floodplain estimates the annual probability of flooding as one in one thousand (0.1%) or greater from rivers and the sea but less than 1% from rivers or 0.5% from the sea. Alternatively, where information is available they may show the highest known flood level.

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

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

ID	Distance [m]	Direction	Update	Type
1	0.0	On Site	13-Mar-2013	Zone 2 - (Tidal Models)
2	60.0	SW	13-Mar-2013	Zone 2 - (Fluvial / Tidal Models)
3K	174.0	E	13-Mar-2013	Zone 2 - (Tidal Models)

7.2 Zone 3 Flooding

Zone 3 estimates the annual probability of flooding as one in one hundred (1%) or greater from rivers and a one in two hundred (0.5%) or greater from the sea. Alternatively, where information is available they may show the highest known flood level.

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

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

ID	Distance [m]	Direction	Update	Type
74	0.0	On Site	13-Mar-2013	Zone 3 - (Tidal Models)
75	32.0	SE	13-Mar-2013	Zone 3 - (Tidal Models)
76	60.0	SW	13-Mar-2013	Zone 3 - (Fluvial / Tidal Models)
77K	174.0	E	13-Mar-2013	Zone 3 - (Tidal Models)
78	249.0	SW	13-Mar-2013	Zone 3 - (Tidal Models)

7.3 Flood Defences

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

7.4 Areas benefiting from Flood Defences

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

7.5 Areas used for Flood Storage

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

No

7.6 Groundwater Flooding Susceptibility Areas

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

Yes

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

Very High

Guidance:

Where very high susceptibility 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.

7.7 Groundwater Flooding Confidence Areas

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

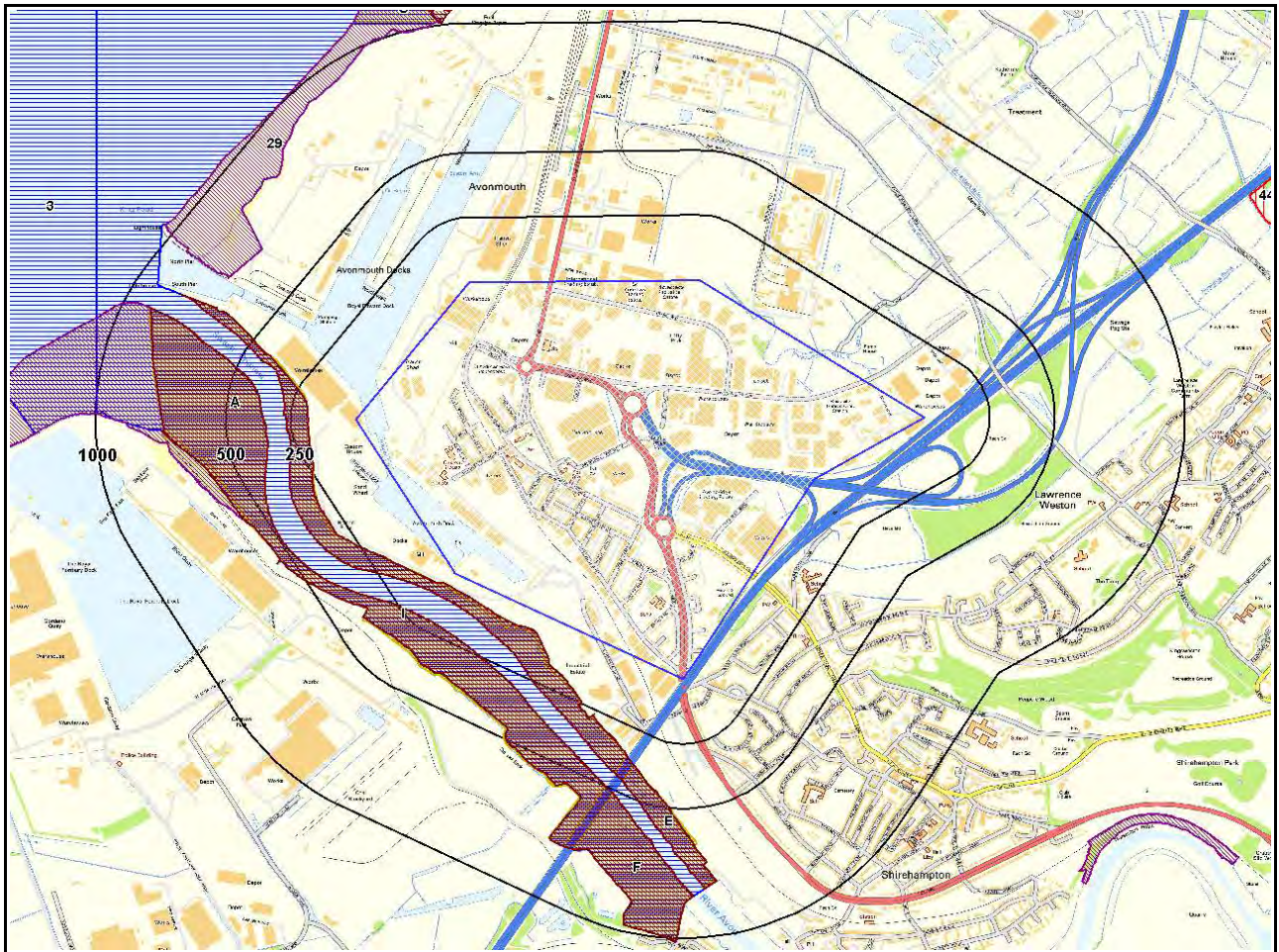
High

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.

8.Designated Environmentally Sensitive Sites Map



Designated Environmentally Sensitive Sites Legend

Mapping sourced from **OS Ordnance Survey**

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8. Designated Environmentally Sensitive Sites

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

Records of Sites of Special Scientific Interest (SSSI) within 2000m of the study site: **7**

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
27H	53.0	SW	Severn Estuary	Natural England
28	208.0	SW	Severn Estuary	Natural England
29	697.0	NW	Severn Estuary	Natural England
30B	1009.0	N	Severn Estuary	Natural England
Not shown	1164.0	N	Severn Estuary	Natural England
Not shown	1411.0	W	Severn Estuary	Natural England
33	1643.0	SE	Horseshoe Bend, Shirehampton	Natural England

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

Database searched and no data found.

Records of Special Areas of Conservation (SAC) within 2000m of the study site: **12**

The following Special Area of Conservation (SAC) 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	SAC Name	Data Source
1A	53.0	SW	Severn Estuary / Môr Hafren	Countryside Council for Wales
2A	53.0	SW	Severn Estuary	Natural England
3	996.0	W	Severn Estuary / Môr Hafren	Countryside Council for Wales
4	996.0	W	Severn Estuary	Natural England
5B	1009.0	N	Severn Estuary / Môr Hafren	Countryside Council for Wales
6B	1009.0	N	Severn Estuary	Natural England
Not shown	1164.0	N	Severn Estuary	Natural England
Not shown	1164.0	N	Severn Estuary / Môr Hafren	Countryside Council for Wales
Not shown	1185.0	N	Severn Estuary	Natural England
Not shown	1185.0	N	Severn Estuary / Môr Hafren	Countryside Council for Wales
Not shown	1845.0	NW	Severn Estuary / Môr Hafren	Countryside Council for Wales
Not shown	1845.0	NW	Severn Estuary	Natural England

Records of Special Protection Areas (SPA) within 2000m of the study site: **14**

The following Special Protection Area (SPA) 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	SPA Name	Data Source
13C	55.0	SW	Severn Estuary	Natural England
14C	58.0	SW	Severn Estuary(England)	Countryside Council for Wales
15D	208.0	SW	Severn Estuary(England)	Countryside Council for Wales
16D	208.0	SW	Severn Estuary	Natural England
17E	380.0	SW	Severn Estuary	Natural England

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18E	382.0	SW	Severn Estuary(England)	Countryside Council for Wales
19F	514.0	SW	Severn Estuary(England)	Countryside Council for Wales
20F	514.0	SW	Severn Estuary	Natural England
21G	1009.0	N	Severn Estuary	Natural England
22G	1009.0	N	Severn Estuary(England)	Countryside Council for Wales
Not shown	1164.0	N	Severn Estuary	Natural England
Not shown	1164.0	N	Severn Estuary(England)	Countryside Council for Wales
Not shown	1569.0	W	Severn Estuary	Natural England
Not shown	1569.0	W	Severn Estuary(England)	Countryside Council for Wales

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

10

The following Ramsar site 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	Ramsar Site Name	Data Source
34H	53.0	SW	Severn Estuary	Natural England
35H	53.0	SW	Severn Estuary (England)	CCW
36I	208.0	SW	Severn Estuary	Natural England
37I	208.0	SW	Severn Estuary (England)	CCW
38B	1005.0	N	Severn Estuary	Natural England
39B	1005.0	N	Severn Estuary (England)	CCW
Not shown	1164.0	N	Severn Estuary	Natural England
Not shown	1164.0	N	Severn Estuary (England)	CCW
Not shown	1597.0	W	Severn Estuary	Natural England
Not shown	1597.0	W	Severn Estuary (England)	CCW

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

1

The following Local Nature Reserve (LNR) 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	LNR Name	Data Source
44	1512.0	NE	Lawrence Western Moor	Natural England

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

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

0

Database searched and no data found.

Records of Nitrate Sensitive Areas within 2000m of the study site:**0**

Database searched and no data found.

9. Additional Information

9.1 Mobile Phone Transmitter Locations

GroundSure's unique mobile phone transmitter database.

Have any mobile phone transmitters been identified within 250m of the study site?

Yes

The following records within 250m have been found within this search:

Distance [m]	Direction	Max Licensed Power	Transmitter Power	Frequency Range	Operator	Height (m)	Transmission Type
0.0	On Site	32	24.45	900 MHz	Vodafone	15.0	GSM
0.0	On Site	32	26.2	1800 MHz	Orange	30.0	GSM
38.0	SE	32	20.0	900 MHz	BT Cellnet	16.5	GSM

9.2 Existing and potential OfCom Telecommunication Mast Locations

OfCom telecommunication base station and mast data, which details the height and proposed location of masts over 30 metres in height or with a power level exceeding 17dBW.

Have any OfCom telecommunication masts been identified within 250m of the study site?

Yes

The following records within 250m have been found within this search:

Distance [m]	Direction	OfCom Reference	Address	Approx. Mast Height (m)
0.0	On Site	A(P) 623	Avon, Shirehampton, Henleaze	12
0.0	On Site	U(P)2239	Avon, Avonmouth, Gloucester Rd, Avonmouth Railway Station	15
0.0	On Site	U(P)7704	Avon, Avonmouth, Forth Way, Aa Transport Yard	18
0.0	On Site	W(P)8194	Avon, Avonmouth, St Andrews Road, Avonmouth Docks, Orange Avn138	2
0.0	On Site	V(P)9504	Avon, Avonmouth, Kings Rd	30
0.0	On Site	U(P)2240	Avon, Avonmouth, Avonmouth Te	7
0.0	On Site	W(H) 70	Avon, Bristol, Avonmouth, Avonmouth Rd, Avonmouth Police Station	13.3
114.0	SW	R(P)7718	Avon, Bristol, Avonmouth,	8
123.0	SE	T(P)5346	Avon, Avonmouth, Atlantic Rd, Avonbridge Est	2
148.0	SW	V(P) 431	Avon, Bristol, Avonmouth, Victoria Road, Dalgety Agriculture Ltf Building	46
156.0	SE	X(P)1466	Avon, Shirehampton, Barrack Lane, Avonmouth Old Boys Rfc	14
164.0	N	T(P)3540	Avon, Bristol, Avonmouth, Avonmouth Docks, Granary 5	63

9.3 Pylons and Electricity Transmission Lines

Have any overhead transmission lines or pylons been identified in proximity to the study site?

Yes

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The following records within 500m have been found within this search:

Distance [m]	Direction
0.0	On Site
0.0	On Site

Guidance:Overhead power transmission lines and/or pylons have been identified in proximity to the study site. Overhead power transmission lines are known to emit electromagnetic fields (EMF). For further information on issues associated with transmission lines you may wish to contact the EMF Unit Public Information Line on 0845 7023270 or visit www.emfs.info. Guidance on electromagnetic fields resulting from transmission and distribution lines can also be found on the Health Protection Agency (HPA) website. GroundSure provide the data for information only and do not make any judgment on the risks or otherwise of EMFs. The database is searched up to 500m.

10. Natural Hazards Findings

10.1 Detailed BGS GeoSure Data

BGS GeoSure Data has been searched to 50m. The data is included in tabular format. If you require further information, please obtain a GroundSure Geology and Ground Stability Report. Available from our website. The following information has been found:

10.1.1 Shrink Swell

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

10.1.2 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.

10.1.3 Soluble Rocks

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

Null - Negligible

Soluble rocks are not present in the search area. No special actions required to avoid problems due to soluble rocks. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with soluble rocks.

10.1.4 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.

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10.1.5 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.

10.1.6 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.

10.2 Radon

What is the maximum radon potential at the study site?

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

Is the property in an area where radon protection measures are required for new properties or extensions to existing ones as described in publication BR211 by the Building Research Establishment?

No radon protective measures are necessary

Guidance: The responses given on the level of radon protective measures required are based on a joint radon potential dataset from the Health Protection Agency (HPA) and the British Geological Survey (BGS). No radon protection measures are required.

11. Mining

11.1 Coal Mining

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

No

Database searched and no data found.

11.2 Shallow Mining

What is the hazard of subsidence relating to shallow mining on-site (including a 150m buffer)? Negligible

Guidance: Where negligible potential is indicated, this means that the rocks underlying the area are not likely to have been mined at shallow depth.

11.3 Brine Affected Areas

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

No

Guidance: No Guidance Required.

12. Contacts

GroundSure Helpline

Telephone: 08444 159 000
info@4c.groundsure.com



British Geological Survey (England & Wales)

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

Tel: 08708 506 506
Wessex
Rivers Hse Bridgwater - East Quay, Bridgwater, TA6 4YS
Web: www.environment-agency.gov.uk
Email: enquiries@environment-agency.gov.uk



Health Protection Agency

Chilton, Didcot, Oxon, OX11 0RQ
Tel: 01235 822622 www.hpa.org.uk/radiation
Radon measures and general radon information and
guidance



The Coal Authority

200 Lichfield Lane, Mansfield, Notts NG18 4RG
Tel: 0845 762 6848
DX 716176 Mansfield 5
Web: www.groundstability.com



Ordnance Survey

Romsey Road
Southampton SO16 4GU
Tel: 08456 050505



Local Authority

Authority: Bristol City Council
Phone: 0117 922 2000
Web: www.bristol-city.gov.uk
Address: The Council House, College Green, Bristol, BS1
5TR

Get Mapping PLC

Virginia Villas, High Street, Hartley Witney, Hampshire RG27
8NW
Tel: 01252 845444



CoPSO

The Old Rectory, Church Lane, Thornby, Northants NN6 8SN
Tel: 0871 4237191
(www.copso.org.uk)



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Search Code

IMPORTANT CONSUMER PROTECTION INFORMATION

This search has been produced by GroundSure Ltd, Lees House, 21 Dyke Road, Brighton, BN1 3FE. Tel: 08444 159 000. Email: info@4C.groundsure.com which is registered with the Property Codes Compliance Board (PCCB) as a subscriber to the Search Code. The PCCB independently monitors how registered search firms maintain compliance with the Code.

The Search Code:

- provides protection for homebuyers, sellers, estate agents, conveyancers and mortgage lenders who rely on the information included in property search reports undertaken by subscribers on residential and commercial property within the United Kingdom
- sets out minimum standards which firms compiling and selling search reports have to meet
- promotes the best practice and quality standards within the industry for the benefit of consumers and property professionals
- enables consumers and property professionals to have confidence in firms which subscribe to the code, their products and services.

By giving you this information, the search firm is confirming that they keep to the principles of the Code. This provides important protection for you.

The Code's core principles

Firms which subscribe to the Search Code will:

- display the Search Code logo prominently on their search reports
- act with integrity and carry out work with due skill, care and diligence
- at all times maintain adequate and appropriate insurance to protect consumers
- conduct business in an honest, fair and professional manner
- handle complaints speedily and fairly
- ensure that products and services comply with industry registration rules and standards and relevant laws
- monitor their compliance with the Code

COMPLAINTS

If you have a query or complaint about your search, you should raise it directly with the search firm, and if appropriate ask for any complaint to be considered under their formal internal complaints procedure. If you remain dissatisfied with the firm's final response, after your complaint has been formally considered, or if the firm has exceeded the response timescales, you may refer your complaint for consideration under The Property Ombudsman scheme (TPOs). The Ombudsman can award compensation of up to £5,000 to you if he finds that you have suffered actual loss as a result of your search provider failing to keep to the Code.

Please note that all queries or complaints regarding your search should be directed to your search provider in the first instance, not to TPOs or to the PCCB.

TPOs Contact Details:

The Property Ombudsman scheme
Milford House
43-55 Milford Street
Salisbury
Wiltshire SP1 2BP
Tel: 01722 333306
Fax: 01722 332296
Email: admin@tpos.co.uk

You can get more information about the PCCB from www.propertycodes.org.uk.

PLEASE ASK YOUR SEARCH PROVIDER IF YOU WOULD LIKE A COPY OF THE SEARCH CODE

COMPLAINTS PROCEDURE

If you want to make a complaint, we will:

- Acknowledge it within 5 working days of receipt.
- Normally deal with it fully and provide a final response, in writing, within 20 working days of receipt.
- Keep you informed by letter, telephone or e-mail, as you prefer, if we need more time.
- Provide a final response, in writing, at the latest within 40 working days of receipt.
- Liaise, at your request, with anyone acting formally on your behalf.

Complaints should be sent to: Operations Director, GroundSure Ltd, Lees House, 21 Dyke Road, Brighton, BN1 3FE.
Tel: 08444 159 000. Email: info@4C.groundsure.com

If you are not satisfied with our final response, or if we exceed the response timescales, you may refer the complaint to The Property Ombudsman scheme (TPOs): Tel: 01722 333306, E-mail: admin@tpos.co.uk.

We will co-operate fully with the Ombudsman during an investigation and comply with his final decision.

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.

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RSK STATS Geoconsult Ltd (Bedminster)	GroundSure Reference:	HMD-441-912071
Spring Lodge, , 172 Chester Road,	Your Reference:	312318
Cheshire,	Report Date:	Jun 6, 2013
Helsby, WA6 0AR	Report Delivery Method:	xml
	Client Email:	██████████@rsk.co.uk

GroundSure Data

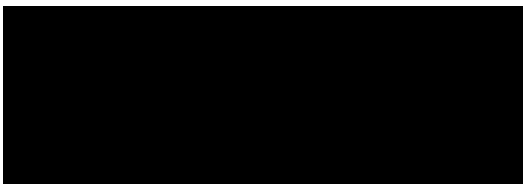
Address: Hinkley C to Seabank grid connection project

Dear Sir/Madam,

Thank you for placing your order with GroundSure. Please find enclosed the GroundSure Data report 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 Data

GroundSure Data

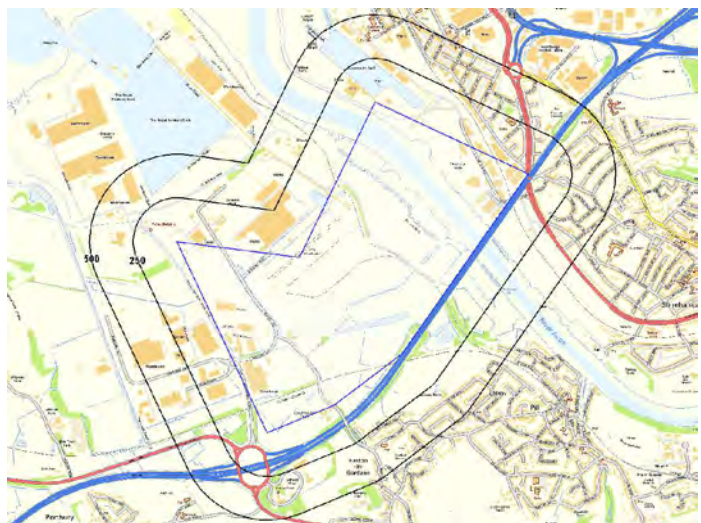
Address: Hinkley C to Seabank grid connection project

Date: Jun 6, 2013

GroundSure Reference: HMD-441-912071

Your Reference: 312318

Client: RSK STATS Geoconsult Ltd (Bedminster)



Aerial Photograph of Study Site



Aerial photography supplied by Getmapping PLC.
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Site Name: Hinkley C to Seabank grid connection project
Grid Reference: 348230,177031

Report Reference: HMD-441-912071

If you would like any further assistance regarding this report then please contact
GroundSure on (T) 08444 159 000, email: info@4c.groundsure.com

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.

Report Section	Number of records found within (X) m of the study site boundary					
1. Historical Industrial Sites	on-site	0-50	51-250	251-500	501-1000	1000-1500
1.1 Potentially Contaminative Past Land Use						
Records of potentially contaminative past land use (1:10,000 scale mapping)	101	18	89	-	-	-
1.2 Additional Information – Historical Tanks (1:2,500,1:1,250 scale mapping)	61	26	13*	-	-	-
1.3 Additional Information – Historical Energy Features (1:2,500,1:1,250 scale mapping)	13	2	5*	-	-	-
1.4 Additional Information – Historical Petrol and Fuel Site Database (1:2,500,1:1,250 scale mapping)	3	0	0*	-	-	-
1.5 Additional Information – Historical Vehicle Repair and Garages (1:2,500,1:1,250 scale mapping)	0	0	0*	-	-	-
1.6 Potentially Infilled Land						
Records of potentially infilled land (1:10,000 scale mapping)	87	12	9*	-	-	-
*51-100m						
2. Environmental Permits, Incidents and Registers	on-site	0-50	51-250	251-500	501-1000	1000-1500
2.1 Industrial Sites Holding Environmental Permits and/or Authorisations						
Records of historic IPC Authorisations	0	0	0	0	-	-
Records of Part A(1) and IPPC Authorised Activities	0	0	13	4	-	-
Records of Water Industry Referrals (potentially harmful discharges to the public sewer)	0	0	0	0	-	-
Records of Red List Discharge Consents (potentially harmful discharges to controlled waters)	0	0	0	0	-	-
Records of List 1 Dangerous Substances Inventory sites	0	0	0	0	-	-
Records of List 2 Dangerous Substances Inventory sites	0	0	0	0	-	-
Records of Part A(2) and Part B Activities and Enforcements	7	1	4	9	-	-
Records of Category 3 or 4 Radioactive Substances Authorisations	0	0	0	0	-	-
Records of Licensed Discharge Consents	28	6	6	12	-	-
Records of Planning Hazardous Substance Consents and Enforcements	0	0	0	0		
2.2 Records of COMAH and NIHHS sites	1	0	0	1	-	-
2.3 Environment Agency Recorded Pollution Incidents						
National Incidents Recording System, List 2	0	0	0	-	-	-
National Incidents Recording System, List 1	0	0	0	-	-	-
2.4 Sites Determined as Contaminated Land under Part IIA EPA 1990	0	0	0	0	-	-

Report Reference: HMD-441-912071

If you would like any further assistance regarding this report then please contact GroundSure on (T) 08444 159 000, email: info@4c.groundsure.com

3. Landfill and Other Waste Sites	on-site	0-50	51-250	251-500	501-1000	1000-1500

3.1 Landfill Sites

Environment Agency Registered landfill Sites	0	0	0	0	0	-
Landfill Data – Operational Landfill Sites	0	0	0	0	0	-
Environment Agency Historic Landfill Sites	0	0	1	2	7	3
Landfill Data – Non-Operational Landfill Sites	0	0	1	1	4	-
BGS/DoE Landfill Site Survey	0	0	0	0	1	1
GroundSure Local Authority Landfill Sites Data	0	0	0	0	0	0

3.2 Landfill and Other Waste Sites Findings

Operational Waste Treatment, Transfer and Disposal Sites	0	0	0	1	-	-
Non-Operational Waste Treatment, Transfer and Disposal Sites	0	0	0	0	-	-
Environment Agency licensed Waste Sites	0	0	1	2	7	12

4. Current Land Uses	on-site	0-50	51-250	251-500	501-1000	1000-1500

4.1 Current Industrial Sites Data	56	13	45	-	-	-
4.2 Records of Petrol and Fuel Sites	0	0	0	3	-	-
4.3 Underground High Pressure Oil and Gas Pipelines	1	0	0	0	-	-

5. Geology	Description

5.1 Are there any records of Artificial Ground and Made Ground present beneath the study site? *

Yes

5.2 Are there any records of Superficial Ground and Drift Geology present beneath the study site? *

Yes

5.3 For records of Bedrock and Solid Geology beneath the study site* see the detailed findings section.

Source: Scale: 1:50,000 BGS Sheet 264

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

6. Hydrogeology and Hydrology	on-site	0-50	51-250	251-500	501-1000	1001-2000

6.1 Are there any records of Productive Strata in the Superficial Geology within 500m of the study site?

Yes

6.2 Are there any records of Productive Strata in the Bedrock Geology within 500m of the study site?

Yes

6.3 Groundwater Abstraction Licences (within 1000m of the study site).

7	1	2	0	6	-

6.4 Surface Water Abstraction Licences (within 1000m of the study site).

0	0	0	0	0	-

6.5 Potable Water Abstraction Licences (within 2000m of the study site).

0	0	0	0	0	0

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

No

6.7 River Quality	on-site	0-50	51-250	251-500	501-1000	1001-1500

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

No	No	No	No	No	No

6.8 Detailed River Network entries within 500m of the site

12	4	16	11	-	-

6.9 Surface water features within 250m of the study site

Yes	Yes	Yes	-	-	-

7. Flooding

Report Reference: HMD-441-912071

If you would like any further assistance regarding this report then please contact GroundSure on (T) 08444 159 000, email: info@4c.groundsure.com

7.1 Are there any Environment Agency indicative Zone 2 floodplains within 250m of the study site?	Yes
7.2 Are there any Environment Agency indicative Zone 3 floodplains within 250m of the study site?	Yes
7.3 Are there any Flood Defences within 250m of the study site?	Yes
7.4 Are there any areas benefiting from Flood Defences within 250m of the study site?	No
7.5 Are there any areas used for Flood Storage within 250m of the study site?	No
7.6 What is the maximum BGS Groundwater Flooding susceptibility within 50m of the study site?	Very High
7.7 What is the BGS confidence rating for the Groundwater Flooding susceptibility areas?	High

8. Designated Environmentally Sensitive Sites	on-site	0-50	51-250	251-500	501-1000	1001-2000
8.1 Records of Sites of Special Scientific Interest (SSSI)	2	0	0	0	1	2
8.2 Records of National Nature Reserves (NNR)	0	0	0	0	0	0
8.3 Records of Local Nature Reserves (LNR)	0	0	0	1	9	0
8.4 Records of Special Areas of Conservation (SAC)	2	0	0	0	2	0
8.5 Records of Special Protection Areas (SPA)	4	4	0	0	2	0
8.6 Records of Ramsar sites	4	0	0	0	2	0
8.7 Records of World Heritage Sites	0	0	0	0	0	0
8.8 Records of Environmentally Sensitive Areas	0	0	0	0	0	0
8.9 Records of Areas of Outstanding Natural Beauty (AONB)	0	0	0	0	0	0
8.10 Records of National Parks	0	0	0	0	0	0
8.11 Records of Nitrate Sensitive Areas	0	0	0	0	0	0

9. Additional Information	on-site	0-50	51-250	250-500
9.1 Records of mobile phone transmitters	0	0	0	0
9.2 Records of potential sites of OfCom telecommunications masts	0	0	0	0
9.3 Records of transmission lines in proximity to the study site	2	0	0	2

10. Natural Hazards

10.1 What is the maximum risk of natural ground subsidence?	Moderate
10.2 Is the property in a radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level?	The property is in a Radon Affected Area, as between 1 and 3% of properties are above the Action Level
Is the property in an area where radon protection measures are required for new properties or extensions to existing ones as described in publication BR211 by the Building Research Establishment?	No radon protective measures are necessary

11. Mining

11.1 Are there any coal mining areas within 75m of the study site?	No
11.2 What is the risk of subsidence relating to shallow mining within 150m of the study site?	Negligible
11.3 Are there any brine affected areas within 75m of the study site?	No

Using this Report

The following report is designed by Environmental Consultants for Environmental Professionals bringing together the most up-to-date market leading environmental data. This report is provided under and subject to the Terms & Conditions agreed between GroundSure and the Client. The document contains the following sections:

1. Historical Industrial Sites

Provides information on past land uses that may pose a risk to the study site in terms of potential contamination from activities or processes. Potentially Infilled Land features are also included. This search is conducted using radii of up to 250m.

2. Environmental Permits, Incidents and Registers

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

3. Landfills and Other Waste Sites

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

4. Current Land Uses

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

5. Geology

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

6. Hydrogeology and Hydrology

Provides information on groundwater vulnerability, soil leaching potential, abstraction licenses, Source Protection Zones (SPZ) and river quality. These searches are conducted using radii of up to 2000m.

7. 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.

8. Designated Environmentally Sensitive Sites

Provides information on the Sites of Special Scientific Interest (SSSI), National Nature Reserves (NNR), Special Areas of Conservation (SAC), Special Protection Areas (SPA), Ramsar sites, Local Nature Reserves (LNR), Areas of Outstanding Natural Beauty (AONB), National Parks (NP), Environmentally Sensitive Areas, Nitrate Sensitive Areas and World Heritage Sites. These searches are conducted using radii of up to 2000m.

9. Additional Information

Provides information on records of mobile phone transmitters, potential sites of OfCom telecommunication masts and overhead transmission lines up to 500m.

Report Reference: HMD-441-912071

If you would like any further assistance regarding this report then please contact
GroundSure on (T) 08444 159 000, email: info@4c.groundsure.com

10. Natural Hazards

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

11. Mining

Provides information on areas of coal and shallow mining.

12. Contacts

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

Note: Maps

Only certain features are placed on the maps within the report. All features represented on maps found within this search are given an identification number. This number identifies the feature on the mapping and correlates it to the additional information provided below. This identification number precedes all other information and takes the following format -Id: 1, Id: 2, etc. Where numerous features on the same map are in such close proximity that the numbers would obscure each other a letter identifier is used instead to represent the features. (e.g. Three features which overlap may be given the identifier "A" on the map and would be identified separately as features 1A, 3A, 10A on the data tables provided).

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

All distances given in this report are in Metres (m). Directions are given as compass headings such as N: North, E: East, NE: North East from the nearest point of the study site boundary.

1. Historical Industrial Sites

1.1 Potentially Contaminative Uses identified from High Detail (1:10,000 scale) Mapping

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

Records of sites with a potentially contaminative past land use within 250m of the search boundary: 208

The following records are not represented on Mapping:

Distance [m]	Direction	Use	Date
0.0	On Site	Unspecified Heap	1949
0.0	On Site	Corporation Yard	1949
0.0	On Site	Unspecified Mill	1949
0.0	On Site	Railway Building	1949
0.0	On Site	Railway Building	1949
0.0	On Site	Petroleum Storage Works	1912
0.0	On Site	Unspecified Tank	1949
0.0	On Site	Petroleum Storage Works	1912
0.0	On Site	Petroleum Storage Works	1902
0.0	On Site	Unspecified Mill	1949
0.0	On Site	Unspecified Tank	1949
0.0	On Site	Unspecified Tanks	1912
0.0	On Site	Unspecified Tanks	1912
0.0	On Site	Unspecified Tanks	1938
0.0	On Site	Railway Sidings	1902
0.0	On Site	Railway Sidings	1901
0.0	On Site	Railway Sidings	1912
0.0	On Site	Dock	1883
0.0	On Site	Dock	1912
0.0	On Site	Dock	1938
0.0	On Site	Dock	1902
0.0	On Site	Dock	1901
0.0	On Site	Railway Building	1949
0.0	On Site	Unspecified Tanks	1949
0.0	On Site	Unspecified Pit	1920
0.0	On Site	Oil Tanks	1920
0.0	On Site	Oil Tanks	1920
0.0	On Site	Oil Tanks	1920
0.0	On Site	Oil Tanks	1920
0.0	On Site	Petroleum Storage Works	1920
0.0	On Site	Unspecified Mill (B)	1979
0.0	On Site	Unspecified Mill (B)	1949
0.0	On Site	Unspecified Mill (B)	1991
0.0	On Site	Unspecified Commercial/Industrial	1921
0.0	On Site	Railway Sidings	1921
0.0	On Site	Railway Sidings	1883
0.0	On Site	Unspecified Tanks	1921
0.0	On Site	Unspecified Tanks	1979
0.0	On Site	Unspecified Tanks	1979
0.0	On Site	Unspecified Tank	1938
0.0	On Site	Unspecified Tanks	1979
0.0	On Site	Petroleum Storage Works	1901
0.0	On Site	Petroleum Storage Works	1921
0.0	On Site	Oil Tanks	1921
0.0	On Site	Oil Tanks	1921
0.0	On Site	Oil Tanks	1921
0.0	On Site	Unspecified Mill	1991
0.0	On Site	Unspecified Works	1979
0.0	On Site	Unspecified Tanks	1979
0.0	On Site	Unspecified Mill	1979
0.0	On Site	Bottle Works	1883
0.0	On Site	Unspecified Warehouse	1979
0.0	On Site	Unspecified Kiln	1883
0.0	On Site	Railway Sidings	1883
0.0	On Site	Unspecified Warehouses	1979

Report Reference: HMD-441-912071

If you would like any further assistance regarding this report then please contact GroundSure on (T) 08444 159 000, email: info@4c.groundsure.com

0.0	On Site	Unspecified Kiln	1883
0.0	On Site	Railway Building	1921
0.0	On Site	Unspecified Depot	1991
0.0	On Site	Unspecified Warehouse	1991
0.0	On Site	Refuse Heap	1991
0.0	On Site	Refuse Heap	1979
0.0	On Site	Railway Building	1938
0.0	On Site	Railway Building	1912
0.0	On Site	Unspecified Ground Workings	1901
0.0	On Site	Oil Tanks	1912
0.0	On Site	Oil Tanks	1912
0.0	On Site	Unspecified Ground Workings	1901
0.0	On Site	Unspecified Heap	1902
0.0	On Site	Unspecified Heap	1902
0.0	On Site	Unspecified Heap	1912
0.0	On Site	Oil Tanks	1912
0.0	On Site	Oil Tanks	1912
0.0	On Site	Railway Sidings	1938
0.0	On Site	Refuse Heap	1938
0.0	On Site	Oil Tanks	1912
0.0	On Site	Oil Tanks	1912
0.0	On Site	Oil Tanks	1902
0.0	On Site	Oil Tanks	1901
0.0	On Site	Oil Tanks	1902
0.0	On Site	Iron Works	1901
0.0	On Site	Iron Works	1902
0.0	On Site	Railway Sidings	1901
0.0	On Site	Railway Sidings	1902
0.0	On Site	Brick Works	1883
0.0	On Site	Unspecified Pit	1938
0.0	On Site	Railway Building	1912
0.0	On Site	Railway Building	1938
0.0	On Site	Railway Building	1912
0.0	On Site	Railway Building	1949
0.0	On Site	Railway Building	1901
0.0	On Site	Dock	1979
0.0	On Site	Dock	1991
0.0	On Site	Railway Sidings	1912
0.0	On Site	Railway Sidings	1938
0.0	On Site	Dock	1912
0.0	On Site	Railway Sidings	1979
0.0	On Site	Railway Sidings	1949
0.0	On Site	Docks	1949
0.0	On Site	Railway Sidings	1920
0.0	On Site	Dock	1920
0.0	NE	Oil Tanks	1912
3.0	NE	Unspecified Tank	1949
4.0	NE	Oil Tanks	1920
14.0	NE	Oil Tanks	1920
16.0	NE	Unspecified Tanks	1979
18.0	NE	Oil Tanks	1921
18.0	NW	Unspecified Pit	1991
18.0	NW	Unspecified Pit	1979
20.0	NE	Oil Tanks	1912
20.0	NE	Oil Tanks	1912
26.0	SE	Refuse Heap	1949
28.0	NE	Oil Tanks	1920
30.0	NE	Oil Tanks	1912
30.0	NE	Oil Tanks	1912
31.0	NE	Oil Tanks	1921
31.0	N	Dock	1921
36.0	NE	Oil Tanks	1912
39.0	NE	Electric Sub Station	1991
49.0	N	Unspecified Works	1991
56.0	NE	Oil Tanks	1912
56.0	NE	Oil Tanks	1901
57.0	NE	Oil Tanks	1901
57.0	NE	Oil Tanks	1912
58.0	NE	Oil Tanks	1920
59.0	NE	Oil Tanks	1920
60.0	NE	Oil Tanks	1902
60.0	NE	Oil Tanks	1912
60.0	NE	Oil Tanks	1902
60.0	NE	Oil Tanks	1912
62.0	NE	Oil Tanks	1921
62.0	NE	Oil Tanks	1921
64.0	NE	Oil Tanks	1902
64.0	SE	Railway Sidings	1949

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66.0	NE	Oil Tank	1912
72.0	SW	Unspecified Pit	1991
72.0	SW	Unspecified Pit	1979
80.0	NE	Dock	1920
82.0	NE	Oil Tanks	1912
82.0	NE	Oil Tanks	1902
90.0	NE	Oil Tanks	1902
92.0	NE	Oil Tanks	1920
93.0	NE	Oil Tanks	1921
93.0	NE	Oil Tanks	1920
95.0	NE	Oil Tanks	1912
95.0	NE	Oil Tanks	1902
95.0	NE	Oil Tanks	1912
96.0	NW	Granaries (B)	1901
96.0	SE	Unspecified Pit	1938
100.0	NE	Oil Tanks	1902
100.0	NE	Oil Tanks	1912
104.0	SE	Unspecified Ground Workings	1912
105.0	NE	Oil Tanks	1902
105.0	NE	Oil Tanks	1912
105.0	SE	Unspecified Heap	1920
112.0	NE	Railway Building	1912
112.0	NE	Railway Building	1938
118.0	NE	Oil Tanks	1902
119.0	SE	Unspecified Heap	1902
120.0	NW	Granaries	1920
121.0	NE	Granaries (B)	1901
123.0	NW	Granaries	1902
123.0	NW	Granaries	1912
123.0	NW	Granaries	1938
123.0	NW	Granaries	1912
124.0	NW	Dock	1922
124.0	NW	Railway Sidings	1922
127.0	NE	Oil Tanks	1912
129.0	NW	Granaries	1921
148.0	N	Nursery	1979
157.0	NW	Granaries	1922
159.0	NE	Unspecified Warehouse	1979
161.0	SE	Disused Sewage Beds	1979
161.0	SE	Disused Sewage Beds	1991
171.0	NE	Unspecified Warehouse	1991
175.0	NE	Railway Building	1938
177.0	SE	Unspecified Pit	1938
184.0	SW	Unspecified Works	1991
185.0	NW	Unspecified Tanks	1949
189.0	SE	Unspecified Ground Workings	1921
189.0	SE	Unspecified Pit	1938
191.0	SE	Unspecified Pit	1912
191.0	NW	Unspecified Wharf (B)	1921
191.0	SE	Unspecified Pit	1991
192.0	NE	Railway Building	1949
194.0	SE	Unspecified Ground Workings	1949
195.0	SE	Unspecified Pit	1883
195.0	SE	Unspecified Ground Workings	1912
196.0	SE	Unspecified Ground Workings	1920
196.0	SE	Unspecified Ground Workings	1902
196.0	NE	Dock	1991
197.0	N	Unspecified Works	1979
199.0	NW	Unspecified Mill (B)	1949
202.0	SE	Unspecified Pit	1949
210.0	NE	Railway Building	1949
218.0	NW	Unspecified Depot (B)	1991
218.0	NW	Unspecified Depot	1991
218.0	NW	Unspecified Depot	1979
218.0	NE	Railway Building	1920
218.0	NE	Railway Building	1938
222.0	NW	Granary	1920
223.0	NW	Granary	1938
225.0	NW	Granary	1922
226.0	NW	Granary	1912
229.0	NW	Granary	1921
233.0	NE	Railway Building	1920
235.0	NE	Railway Building	1938
235.0	NE	Railway Building	1912
246.0	NW	Unspecified Tanks	1991

Report Reference: HMD-441-912071

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1.2 Additional Information – Historical Tank Database

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

Records of historical tanks within 100m of the search boundary:

100

The following records are not represented on Mapping:

Distance (m)	Direction	Use	Date
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1994
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1994
0.0	On Site	Tank (Unspecified)	1989
0.0	On Site	Tank (Unspecified)	1989
0.0	On Site	Tank (Unspecified)	1984
0.0	On Site	Tank (Unspecified)	1991
0.0	On Site	Tank (Unspecified)	1994
0.0	On Site	Tanks	1994
0.0	On Site	Tank (Unspecified)	1994
0.0	On Site	Tanks	1992
0.0	On Site	Tank (Unspecified)	1977
0.0	On Site	Tank (Unspecified)	1992
0.0	On Site	Tanks	1979
0.0	On Site	Tanks	1963
0.0	On Site	Tanks	1977
0.0	On Site	Tanks	1979
0.0	On Site	Tank (Unspecified)	1979
0.0	On Site	Tank (Unspecified)	1963
0.0	On Site	Tank (Unspecified)	1977
0.0	On Site	Tank (Unspecified)	1952
0.0	On Site	Tanks	1992
0.0	On Site	Tank (Unspecified)	1963
0.0	On Site	Tank (Unspecified)	1979
0.0	On Site	Oil Tanks	1903
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1916
0.0	On Site	Tank (Unspecified)	1979
0.0	On Site	Tank (Unspecified)	1981
0.0	On Site	Tanks	1979
0.0	On Site	Tanks	1963
0.0	On Site	Tank (Unspecified)	1979
0.0	On Site	Tanks	1981
0.0	On Site	Tanks	1979
0.0	On Site	Tanks	1981
0.0	On Site	Tank (Unspecified)	1979
0.0	On Site	Tank (Unspecified)	1979
0.0	On Site	Tank (Unspecified)	1979
0.0	On Site	Tanks	1981
0.0	On Site	Tanks	1952
0.0	On Site	Tanks	1963
0.0	On Site	Tanks	1979
0.0	On Site	Tank (Unspecified)	1979
0.0	On Site	Tanks	1963
0.0	On Site	Tank (Unspecified)	1979
0.0	On Site	Tank (Unspecified)	1952
0.0	On Site	Tank (Unspecified)	1997
0.0	On Site	Tank (Unspecified)	1994
0.0	On Site	Tanks	1988
0.0	On Site	Tanks	1981
0.0	On Site	Tank (Unspecified)	1952
0.0	On Site	Tank (Unspecified)	1981
0.0	On Site	Tank (Unspecified)	1952
0.0	On Site	Tank (Unspecified)	1969
0.0	On Site	Tank (Unspecified)	1988
0.0	On Site	Tanks	1988
0.0	On Site	Oil Tanks	1904
0.0	On Site	Tank (Unspecified)	1963
0.0	On Site	Tank (Unspecified)	1979
0.0	On Site	Tank (Unspecified)	1952
4.0	NE	Tank (Unspecified)	1979

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4.0	NE	Tank (Unspecified)	1963
4.0	NE	Tank (Unspecified)	1952
4.0	NE	Tank (Unspecified)	1979
9.0	NE	Tank (Unspecified)	1979
10.0	NE	Tank (Unspecified)	1969
10.0	NE	Tank (Unspecified)	1981
11.0	NE	Tank (Unspecified)	1979
12.0	NE	Tank (Unspecified)	1969
13.0	NE	Tank (Unspecified)	1979
13.0	NE	Tank (Unspecified)	1981
14.0	NE	Tanks	1979
14.0	NE	Tanks	1963
18.0	NE	Tanks	1981
18.0	NE	Tank (Unspecified)	1979
23.0	NE	Tank (Unspecified)	1979
24.0	NE	Tank (Unspecified)	1981
24.0	NE	Tank (Unspecified)	1963
24.0	NE	Tank (Unspecified)	1979
25.0	NE	Tank (Unspecified)	1979
42.0	NE	Tank (Unspecified)	1952
42.0	NE	Tank (Unspecified)	1952
48.0	NE	Tank (Unspecified)	1997
48.0	NE	Tank (Unspecified)	1974
49.0	NE	Tank (Unspecified)	1985
49.0	NE	Tank (Unspecified)	1986
53.0	NE	Oil Tanks	1904
53.0	NE	Oil Tanks	1904
53.0	NE	Tank (Unspecified)	1903
55.0	NE	Oil Tanks	1903
56.0	NE	Oil Tanks	1904
71.0	NE	Tanks	1969
80.0	NE	Tanks	1969
84.0	NE	Oil Tanks	1904
87.0	NE	Oil Tanks	1904
93.0	NE	Tank (Unspecified)	1952
93.0	NE	Tank (Unspecified)	1969
94.0	NW	Tank (Unspecified)	1992
96.0	NW	Tank (Unspecified)	1988

1.3 Additional Information – Historical Energy Features Database

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

Records of historical energy features within 100m of the search boundary:

20

The following records are not represented on Mapping:

Distance (m)	Direction	Use	Date
0.0	On Site	Gas Governor	1994
0.0	On Site	Gas Governor	1991
0.0	On Site	Electricity Sub Station	1991
0.0	On Site	Electricity Sub Station	1994
0.0	On Site	Electricity Sub Station	1997
0.0	On Site	Gas Governor	1994
0.0	On Site	Gas Governor	1997
0.0	On Site	Gas Governor	1991
0.0	On Site	Electricity Sub Station	1985
0.0	On Site	Electricity Sub Station	1986
0.0	On Site	Electricity Sub Station	1988
0.0	On Site	Electricity Sub Station	1997
0.0	On Site	Electricity Sub Station	1992
38.0	NE	Electricity Sub Station	1993
39.0	NE	Electricity Sub Station	1988
51.0	NE	Electricity Sub Station	1952
52.0	NE	Electricity Sub Station	1952
57.0	NE	Electricity Sub Station	1997
58.0	NE	Electricity Sub Station	1986

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59.0

NE

Electricity Sub Station

1974

1.4 Additional Information – Historical Petrol and Fuel Site Database

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

Records of historical petrol stations and fuel sites within 100m of the search boundary:

3

The following records are not represented on Mapping:

Distance (m)	Direction	Use	Date
0.0	On Site	Petroleum Storage Works	1903
0.0	On Site	Petroleum Storage Works	1904
0.0	On Site	Petroleum Storage Works	1903

1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database

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

Records of historical garage and motor vehicle repair sites within 100m of the search boundary:

0

Database searched and no data found.

1.6 Potentially Infilled Land

Records of Potentially Infilled Features from 1:10,000 scale mapping within 100m of the study site: 108

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

Distance [m]	Direction	Use	Date
0.0	On Site	Ponds	1883
0.0	On Site	Pond	1920
0.0	On Site	Pond	1920
0.0	On Site	Pond	1920
0.0	On Site	Pond	1902
0.0	On Site	Pond	1920
0.0	On Site	Pond	1902
0.0	On Site	Pond	1883
0.0	On Site	Pond	1921
0.0	On Site	Pond	1920
0.0	On Site	Pond	1920
0.0	On Site	Pond	1902
0.0	On Site	Pond	1920
0.0	On Site	Pond	1902
0.0	On Site	Pond	1920

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0.0	On Site	Refuse Heap	1979
0.0	On Site	Refuse Heap	1991
0.0	On Site	Cuttings	1883
0.0	On Site	Pond	1920
0.0	On Site	Pond	1920
0.0	On Site	Pond	1920
0.0	On Site	Pond	1902
0.0	On Site	Pond	1912
0.0	On Site	Old Clay Pit	1912
0.0	On Site	Old Clay Pit	1921
0.0	On Site	Pond	1912
0.0	On Site	Old Clay Pit	1902
0.0	On Site	Pond	1902
0.0	On Site	Brick Works	1883
0.0	On Site	Old Clay Pits	1883
0.0	On Site	Pond	1912
0.0	On Site	Pond	1883
0.0	On Site	Pond	1912
0.0	On Site	Pond	1921
0.0	On Site	Pond	1912
0.0	On Site	Pond	1902
0.0	On Site	Unspecified Heap	1949
0.0	On Site	Old Clay Pit	1883
0.0	On Site	Pond	1921
0.0	On Site	Old Clay Pit	1912
0.0	On Site	Pond	1912
0.0	On Site	Pond	1901
0.0	On Site	Old Clay Pit	1901
0.0	On Site	Pond	1901
0.0	On Site	Pond	1949
0.0	On Site	Pond	1949
0.0	On Site	Unspecified Pit	1938
0.0	On Site	Docks	1949
0.0	On Site	Pond	1912
0.0	On Site	Unspecified Heap	1912
0.0	On Site	Unspecified Heap	1902
0.0	On Site	Pond	1912
0.0	On Site	Unspecified Ground Workings	1901
0.0	On Site	Dock	1901
0.0	On Site	Unspecified Ground Workings	1901
0.0	On Site	Dock	1991
0.0	On Site	Dock	1979
0.0	On Site	Dock	1938
0.0	On Site	Dock	1902
0.0	On Site	Dock	1912
0.0	On Site	Dock	1912
0.0	On Site	Dock	1883
0.0	On Site	Pond	1912
0.0	On Site	Pond	1901
0.0	On Site	Pond	1938
0.0	On Site	Pond	1912
0.0	On Site	Pond	1938
0.0	On Site	Unspecified Heap	1902
0.0	On Site	Refuse Heap	1938
0.0	On Site	Pond	1912
0.0	On Site	Clay Pit	1883
0.0	On Site	Pond	1902
0.0	On Site	Pond	1921
0.0	On Site	Pond	1912
0.0	On Site	Pond	1912
0.0	On Site	Pond	1901
0.0	On Site	Pond	1991
0.0	On Site	Pond	1991
0.0	On Site	Pond	1912
0.0	On Site	Pond	1902
0.0	On Site	Pond	1979
0.0	On Site	Pond	1979
0.0	On Site	Pond	1922
0.0	On Site	Pond	1922
0.0	On Site	Pond	1883
0.0	On Site	Pond	1883
0.0	On Site	Ponds	1883
9.0	SE	Pond	1902
9.0	SE	Pond	1920
16.0	S	Pond	1920
18.0	NW	Unspecified Pit	1991
18.0	NW	Unspecified Pit	1979
26.0	SE	Refuse Heap	1949

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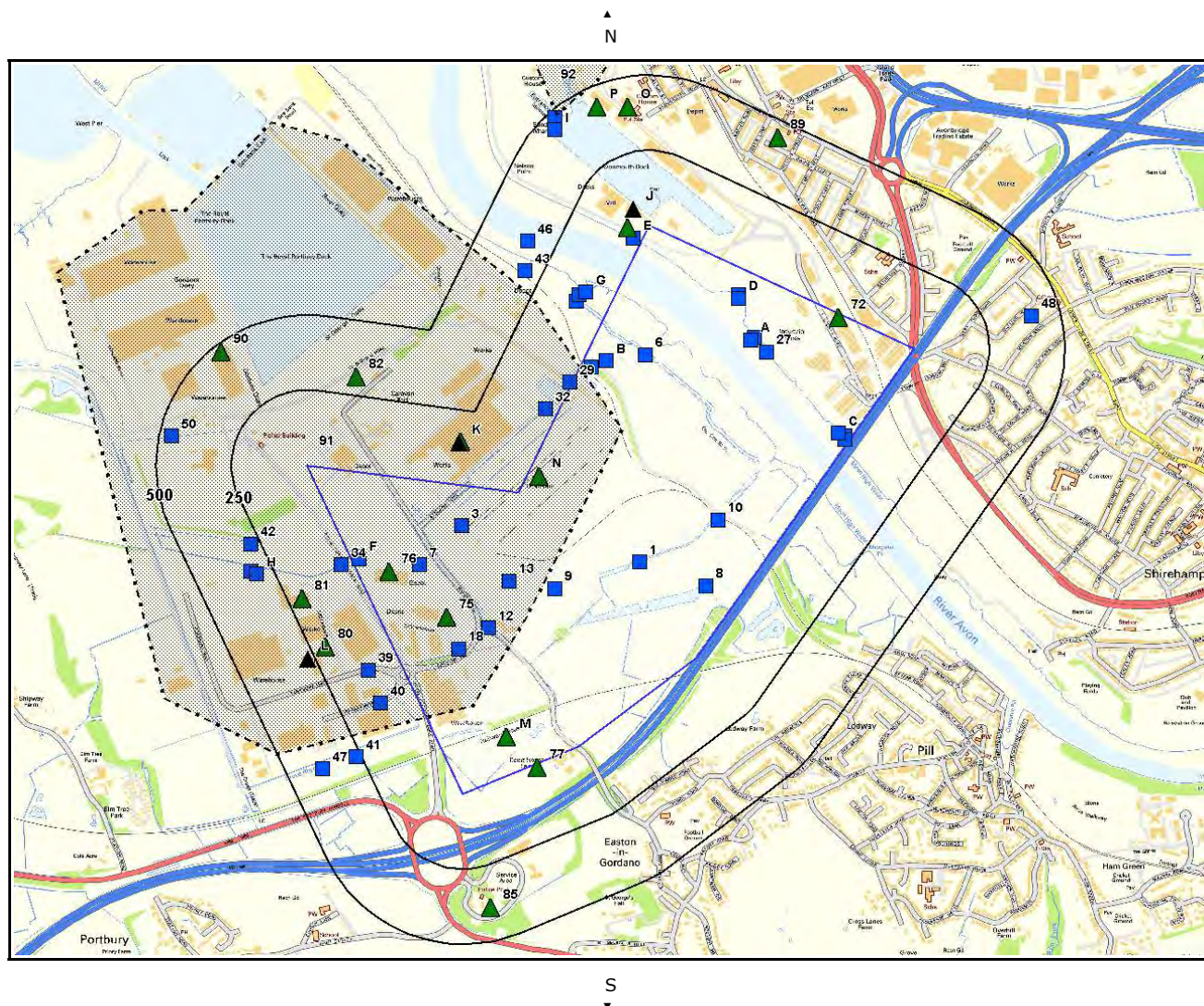
If you would like any further assistance regarding this report then please contact GroundSure on (T) 08444 159 000, email: info@4c.groundsure.com

28.0	SE	Pond	1912
29.0	S	Pond	1920
31.0	N	Dock	1921
34.0	S	Pond	1949
36.0	S	Pond	1920
37.0	NW	Pond	1912
72.0	SW	Unspecified Pit	1979
72.0	SW	Unspecified Pit	1991
92.0	SE	Clay Pit	1921
93.0	NE	Air Shaft (B)	1883
94.0	SE	Pond	1920
96.0	SE	Unspecified Pit	1938
96.0	SE	Clay Pit	1912
97.0	SE	Clay Pit	1912
97.0	NW	Pond	1912

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2. Environmental Permits, Incidents and Registers Map



Authorisations, Incidents and Registers Legend



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2.Environmental Permits, Incidents and Registers

2.1 Industrial Sites Holding Licences and/or Authorisations

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

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

0

Database searched and no data found.

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

17

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

ID	Distance [m]	Direction	NGR	Details
93J	72.0	NW	351320, 177760	Operator: Adm Milling Ltd Installation Name: Hosegood Flour Mill Process: ASSOCIATED PROCESS Permit Number: CP3733HZ Original Permit Number: BM8916ID EPR Reference: - Issue Date: 4/4/2011 Effective Date: 4/4/2011 Last date noted as effective: 2013-01-23 Status: Effective
94J	72.0	NW	351320, 177760	Operator: Adm Milling Ltd Installation Name: Hosegood Flour Mill Process: ASSOCIATED PROCESS Permit Number: BM8916ID Original Permit Number: BM8916ID EPR Reference: - Issue Date: 19/10/2005 Effective Date: 19/10/2005 Last date noted as effective: 2013-01-23 Status: Superseded
95J	72.0	NW	351320, 177760	Operator: Adm Milling Ltd Installation Name: Hosegood Flour Mill Process: ANIMAL VEGETABLE AND FOOD; TREATING ETC VEGETABLE RAW MATERIALS FOR FOOD >300T/D Permit Number: BM8916ID Original Permit Number: BM8916ID EPR Reference: - Issue Date: 19/10/2005 Effective Date: 19/10/2005 Last date noted as effective: 2013-01-23 Status: Superseded
96J	72.0	NW	351320, 177760	Operator: Adm Milling Ltd Installation Name: Hosegood Flour Mill Process: ANIMAL VEGETABLE AND FOOD; TREATING ETC VEGETABLE RAW MATERIALS FOR FOOD >300T/D Permit Number: CP3733HZ Original Permit Number: BM8916ID EPR Reference: - Issue Date: 4/4/2011 Effective Date: 4/4/2011 Last date noted as effective: 2013-01-23 Status: Effective
97K	132.0	N	350740, 176980	Operator: Lafarge Plasterboard Limited Installation Name: Portbury Plasterboard Facility Process: OTHER MINERAL ACTIVITIES; ANY PROCESSING WITH RELEASE OF PARTICULATES INTO AIR (UNLESS A(1) OR A(2)), (EXCEPT STONE ECUTTING) Permit Number: DP3233CQ Original Permit Number: XP3036SZ EPR Reference: - Issue Date: 20/3/2012 Effective Date: 20/3/2012 Last date noted as effective: 2013-01-23 Status: Effective
98K	132.0	N	350740, 176980	Operator: Siniat Limited Installation Name: Portbury Plasterboard Facility Process: ASSOCIATED PROCESS Permit Number: GP3438ZE Original Permit Number: XP3036SZ EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 2013-01-23 Status: Determination

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99K	132.0	N	350740, 176980	Operator: Lafarge Plasterboard Limited Installation Name: Portbury Plasterboard Facility Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: XP3036SZ Original Permit Number: XP3036SZ EPR Reference: - Issue Date: 19/9/2006 Effective Date: 19/9/2006 Last date noted as effective: 2013-01-23 Status: Superseded
100K	132.0	N	350740, 176980	Operator: Lafarge Plasterboard Limited Installation Name: Portbury Plasterboard Facility Process: ASSOCIATED PROCESS	Permit Number: XP3036SZ Original Permit Number: XP3036SZ EPR Reference: - Issue Date: 19/9/2006 Effective Date: 19/9/2006 Last date noted as effective: 2013-01-23 Status: Superseded
101K	132.0	N	350740, 176980	Operator: Lafarge Plasterboard Limited Installation Name: Portbury Plasterboard Facility Process: OTHER MINERAL ACTIVITIES; ANY PROCESSING WITH RELEASE OF PARTICULATES INTO AIR (UNLESS A(1) OR A(2)), (EXCEPT STONE ECUTTING)	Permit Number: XP3036SZ Original Permit Number: XP3036SZ EPR Reference: - Issue Date: 19/9/2006 Effective Date: 19/9/2006 Last date noted as effective: 2013-01-23 Status: Superseded
102K	132.0	N	350740, 176980	Operator: Siniat Limited Installation Name: Portbury Plasterboard Facility Process: OTHER MINERAL ACTIVITIES; ANY PROCESSING WITH RELEASE OF PARTICULATES INTO AIR (UNLESS A(1) OR A(2)), (EXCEPT STONE ECUTTING)	Permit Number: GP3438ZE Original Permit Number: XP3036SZ EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 2013-01-23 Status: Determination
103K	132.0	N	350740, 176980	Operator: Siniat Limited Installation Name: Portbury Plasterboard Facility Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: GP3438ZE Original Permit Number: XP3036SZ EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 2013-01-23 Status: Determination
104K	132.0	N	350740, 176980	Operator: Lafarge Plasterboard Limited Installation Name: Portbury Plasterboard Facility Process: COMBUSTION; ANY FUEL =>50MW	Permit Number: DP3233CQ Original Permit Number: XP3036SZ EPR Reference: - Issue Date: 20/3/2012 Effective Date: 20/3/2012 Last date noted as effective: 2013-01-23 Status: Effective
105K	132.0	N	350740, 176980	Operator: Lafarge Plasterboard Limited Installation Name: Portbury Plasterboard Facility Process: ASSOCIATED PROCESS	Permit Number: DP3233CQ Original Permit Number: XP3036SZ EPR Reference: - Issue Date: 20/3/2012 Effective Date: 20/3/2012 Last date noted as effective: 2013-01-23 Status: Effective
106L	278.0	SW	350240, 176260	Operator: Bocm Pauls Ltd Installation Name: Bocm Pauls Ltd Process: ASSOCIATED PROCESS	Permit Number: PP3131LN Original Permit Number: JP3738SW EPR Reference: - Issue Date: 22/6/2006 Effective Date: 22/6/2006 Last date noted as effective: 2013-01-23 Status: Effective
107L	278.0	SW	350240, 176260	Operator: Bocm Pauls Ltd Installation Name: Bocm Pauls Ltd Process: ASSOCIATED PROCESS	Permit Number: JP3738SW Original Permit Number: JP3738SW EPR Reference: - Issue Date: 5/9/2005 Effective Date: 5/9/2005 Last date noted as effective: 2013-01-23 Status: Superseded
108L	278.0	SW	350240, 176260	Operator: Bocm Pauls Ltd Installation Name: Bocm Pauls Ltd Process: ANIMAL VEGETABLE AND FOOD; TREATING ETC VEGETABLE RAW MATERIALS FOR FOOD >300T/D	Permit Number: JP3738SW Original Permit Number: JP3738SW EPR Reference: - Issue Date: 5/9/2005 Effective Date: 5/9/2005 Last date noted as effective: 2013-01-23 Status: Superseded

109L	278.0	SW	350240, 176260	Operator: Bocm Pauls Ltd Installation Name: Bocm Pauls Ltd Process: ANIMAL VEGETABLE AND FOOD; TREATING ETC VEGETABLE RAW MATERIALS FOR FOOD >300T/D	Permit Number: PP3131LN Original Permit Number: JP3738SW EPR Reference: - Issue Date: 22/6/2006 Effective Date: 22/6/2006 Last date noted as effective: 2013-01-23 Status: Effective

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.

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.

Records of List 1 Dangerous Substances Inventory Sites within 500m of the study site: 0

Database searched and no data found.

Records of List 2 Dangerous Substance Inventory Sites within 500m of the study site: 0

Database searched and no data found.

Records of Part A(2) and Part B Activities and Enforcements within 500m of the study site: 21

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

ID	Distance [m]	Direction	NGR	Details
70M	0.0	On Site	350900, 176000	Address: Walon Ltd,Royal Portbury Dock, BS20 9XU Process: Respraying Status: Historical Permit Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
71M	0.0	On Site	350900, 176000	Address: Proton Cars Process: Vehicle Re-spray Process Status: Historical Permit Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
72	0.0	On Site	352000, 177400	Address: Price Brothers Portview Rd, Bs11 9lb Process: Waste Oil Burning Process Status: Unknown Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
73N	0.0	On Site	351006, 176869	Address: Bristol Bulk Co Process: Coal/gypsum/carbon Process Status: Historical Permit Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
74N	0.0	On Site	351006, 176869	Address: Bristol Port Company, Marsh Lane, Royal Portbury Dock' Bristol, Bs20 0xp Process: Coal Status: Historical Permit Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
75	0.0	On Site	350700, 176400	Address: Seaking Automotive Toyota Import Centre, Royal Portbury Dock,bs20 7xn Process: Petrol Vapour Recovery Process Status: Unknown Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.

Report Reference: HMD-441-912071

76	0.0	On Site	350510, 176551	Address: Toyota Import Centre, Royal Portbury Dock, BS209XN Process: Respraying Status: Current Permit	Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
77	16.0	S	351000, 175900	Address: Lafarge Plaster Process: Ceramics/clay/plaster/brick Process Status: Historical Permit	Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
78E	61.0	NW	351300, 177700	Address: Dalgety Agriculture Ltd Victoria Rd, Bs11 9dr Process: Coating & Enamelling Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
79K	136.0	N	350746, 176984	Address: Lafarge Plaster, Marsh Lane, Easton-in-gordano, Bristol, Bs20 0nf Process: Plaster Status: Historical Permit	Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
80	206.0	SW	350300, 176300	Address: Christies Panels Process: Combustion Process, Process:coating & Enamelling Process Status: Historical Permit	Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
81	208.0	SW	350222, 176462	Address: Wiltshire Ltd, Royal Portbury Dock,bs20 7wp Process: Solvent Status: Historical Permit	Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
82	306.0	N	350400, 177200	Address: First Corp Shipping Process: Quarry/mineral/chalk Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
83O	394.0	N	351300, 178100	Address: Bp Gas Process: Gasification/gas Odourisation Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
84O	394.0	N	351300, 178100	Address: Bristol Oil Storage Limited Royal Edward Dock, Bs11 9bt Process: Petrol Vapour Recovery Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
85	395.0	S	350845, 175432	Address: Gordano Services,Junction 19, M5 Motorway, BS20 9XG Process: Petrol Vapour Recovery Status: Current Permit	Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified
86P	424.0	NW	351200, 178100	Address: Portbury Bulk Materials Ltd St. Andrews Rd, Bs11 9eb Process: Quarry/mineral/chalk Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
87P	424.0	NW	351200, 178100	Address: Castle Cement Ltd Royal Edward Dock, Bs11 9dq Process: Cement/lime/mortar Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
88P	424.0	NW	351200, 178100	Address: First Corporate Shipping Ltd Bristol Bulk Terminal, St Andrews Rd,bs11 9eb Process: Quarry/mineral/chalk Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
89	441.0	NE	351800, 178000	Address: Avonmouth Fill Stn Avonmouth Road, Bs11 9lp Process: Petrol Vapour Recovery Process Status: Unknown	Enforcement: Data requested, not received. Date of Enforcement: Data requested, not received. Comment: Data requested, not received.
90	468.0	NW	349954, 177284	Address: Bristol Port Company,Royal Portbury Dock, BS20 9XU Process: Coal Status: Current Permit	Enforcement: No Enforcements Notified Date of Enforcement: No Enforcements Notified Comment: No Enforcements Notified

Records of Category 3 or 4 Radioactive Substance Licences within 500m of the study site:
0

Database searched and no data found.

Records of Licensed Discharge Consents within 500m of the study site:
52

The following Licensed Discharge Consents records are represented as points on the Authorisations, Incidents and Registers map:

ID	Distance [m]	Direction	NGR	Details
1	0.0	On Site	351340, 176590	Address: Plot 23, Royal Portbury Dock, Portbury, Bristol, . Effluent Type: Trade Discharges - Site Drainage (contam Surface Water, Not Waste Sit Permit Number: 100911 Permit Version: 1 Receiving Water: Rib Of The Drove Rhyne Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 22/7/1999 Effective Date: 22/7/1999 Revocation Date: -
2A	0.0	On Site	351710, 177330	Address: Tip Europe Ltd, Victoria Road, Avonmouth, Bristol, . Effluent Type: Trade Discharges - Site Drainage Permit Number: 101852 Permit Version: 1 Receiving Water: River Avon Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 5/4/2002 Effective Date: 5/4/2002 Revocation Date: -
3	0.0	On Site	350750, 176710	Address: Redland Plasterboard, Factory Extension, Marsh Lane, potbury Dock, Portbury, Bristol, BS20 ONH Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: 071851 Permit Version: 1 Receiving Water: Soakaway Status: New Consent, By Application (wra 91, Section 113 & Sched 12) Issue date: - Effective Date: 8/1/1992 Revocation Date: -
4B	0.0	On Site	351230, 177260	Address: Bulk Handling Terminal, Royal Portbury Dock, Bristol, Avon Effluent Type: Trade Discharges - Process Effluent - Not Water Company Permit Number: 012039 Permit Version: 1 Receiving Water: Common Land Boundary (e) Status: New Consent, By Application (wra 91, Section 113 & Sched 12) Issue date: 6/1/1993 Effective Date: - Revocation Date: -
5C	0.0	On Site	352000, 177020	Address: Portway Cso, Outfall M5, Bristol Effluent Type: Miscellaneous Discharges - Surface Water Permit Number: 021629 Permit Version: 1 Receiving Water: Trib Of River Bristol Avon Status: Revoked - Unspecified Issue date: - Effective Date: - Revocation Date: 30/3/2003
6	0.0	On Site	351360, 177280	Address: River Avon Foreshore/daimler, Chrysler Site, Royal Portbury Docks, Bristol, . Effluent Type: Trade Discharges - Site Drainage Permit Number: 101571 Permit Version: 1 Receiving Water: River Avon Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 14/9/2001 Effective Date: 2/9/2001 Revocation Date: -
7	0.0	On Site	350610, 176580	Address: Proton Cars (uk) Limited, Pdi Site, Western Interceptor, Marsh Lane, Royal Portbury Dock, Pill, Bristol, Avon Effluent Type: Trade Discharges - Site Drainage Permit Number: 072034 Permit Version: 1 Receiving Water: Un-named Trib Portbury Ditch Status: New Consent, By Application (wra 91, Section 113 & Sched 12) Issue date: 2/3/1993 Effective Date: 19/2/1993 Revocation Date: -
8	0.0	On Site	351560, 176510	Address: Plot 23, Royal Portbury Dock, Portbury, Bristol, . Effluent Type: Trade Discharges - Site Drainage Permit Number: 100910 Permit Version: 1 Receiving Water: Portbury Ditch Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 22/7/1999 Effective Date: 22/7/1999 Revocation Date: -
9	0.0	On Site	351061, 176501	Address: Royal Portbury Dock, Easton In Gordano, Bristol, Avonmouth, BS20 ONH Effluent Type: Trade Discharges - Site Drainage Permit Number: 103861 Permit Version: 1 Receiving Water: Unnamed Rhyne Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: - Effective Date: - Revocation Date: -

10	0.0	On Site	351600, 176730	Address: Plot 23, Royal Portbury Dock, Portbury, Bristol, . Effluent Type: Trade Discharges - Site Drainage (contam Surface Water, Not Waste Sit Permit Number: 100912 Permit Version: 1	Receiving Water: Trib Of The Drove Rhyne Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 22/7/1999 Effective Date: 22/7/1999 Revocation Date: -
11A	0.0	On Site	351720, 177340	Address: Dalgety Agriculture Ltd, Victoria Road, Avonmouth, Bristol, Avon, BS11 9DR Effluent Type: Trade Discharges - Process Effluent - Not Water Company Permit Number: 012559 Permit Version: 1	Receiving Water: River Avon Status: New Consent, By Application (wra 91, Section 113 & Sched 12) Issue date: 9/6/1995 Effective Date: 30/5/1995 Revocation Date: -
12	0.0	On Site	350840, 176370	Address: Proton Cars (uk) Ltd, Office Building Site, Marsh Lane, Royal Portbury Dock, Pill, Bristol, Avon Effluent Type: Trade Discharges - Process Effluent - Water Company (wtw) Permit Number: 072033 Permit Version: 1	Receiving Water: Un-named Trib Portbury Ditch Status: New Consent, By Application (wra 91, Section 113 & Sched 12) Issue date: 2/3/1993 Effective Date: 19/2/1993 Revocation Date: 19/8/2004
13	0.0	On Site	350909, 176526	Address: Royal Portbury Dock, Easton In Gordano, Bristol, Avonmouth, BS20 0NH Effluent Type: Trade Discharges - Site Drainage Permit Number: 103861 Permit Version: 1	Receiving Water: Unnamed Rhyne Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: - Effective Date: - Revocation Date: -
14B	0.0	On Site	351180, 177240	Address: Orchard South Site, Royal Portbury Dock, Bristol, . Effluent Type: Trade Discharges - Site Drainage Permit Number: 100697 Permit Version: 1	Receiving Water: Trib Of The River Avon Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: - Effective Date: - Revocation Date: -
15C	0.0	On Site	352020, 177000	Address: Avonmouth 'a' Pumping Station, Underneath M5 Bridge, Avonmouth, Bristol, Avon Effluent Type: Sewage Discharges - Pumping Station - Water Company Permit Number: 012019 Permit Version: 1	Receiving Water: Bristol Avon Status: Revoked - Unspecified Issue date: 27/9/1995 Effective Date: 23/7/1996 Revocation Date: 30/3/2003
16F	0.0	On Site	350410, 176600	Address: Proton Cars (uk) Limited, Pdi Site, Western Interceptor, Marsh Lane, Royal Portbury Dock, Pill, Bristol, Avon Effluent Type: Trade Discharges - Site Drainage Permit Number: 072035 Permit Version: 1	Receiving Water: Un-named Trib Portbury Ditch Status: New Consent, By Application (wra 91, Section 113 & Sched 12) Issue date: 2/3/1993 Effective Date: 19/2/1993 Revocation Date: -
17D	0.0	On Site	351670, 177470	Address: Avonmouth 'b' Pumping Station, Off Victoria Road, Avonmouth, Bristol, Avon Effluent Type: Sewage Discharges - Pumping Station - Water Company Permit Number: 012020 Permit Version: 1	Receiving Water: Bristol Avon Status: New Consent, By Application (wra 91, Section 113 & Sched 12) Issue date: 23/7/1996 Effective Date: 23/7/1996 Revocation Date: -
18	0.0	On Site	350740, 176300	Address: Lane Group Plc, Regional Freight Centre, Portbury, Bristol, Avon, BS20 9XX Effluent Type: Trade Discharges - Site Drainage Permit Number: 013255 Permit Version: 1	Receiving Water: River Avon Status: New Consent, By Application (wra 91, Section 113 & Sched 12) Issue date: 26/1/1996 Effective Date: 26/1/1996 Revocation Date: -
19C	0.0	On Site	352020, 177010	Address: Lower High Street Cso, Jnc With West Town Road And, Avonmouth Road, Avonmouth, Bristol, . Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: 102073 Permit Version: 1	Receiving Water: River Avon (e) Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 26/3/2003 Effective Date: 31/3/2003 Revocation Date: -
20C	0.0	On Site	352020, 177010	Address: 45 Old Park Rd Cso, Shirehampton, Avonmouth, Bristol, . Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: 102090 Permit Version: 1	Receiving Water: River Avon (e) Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 12/8/2003 Effective Date: 12/8/2003 Revocation Date: -

21C	0.0	On Site	352020, 177010	Address: Lower High Street Cso, Shirehampton, Avonmouth, Bristol, . Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: 102066 Permit Version: 1	Receiving Water: River Avon (e) Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 26/3/2003 Effective Date: 31/3/2003 Revocation Date: -
22C	0.0	On Site	352020, 177010	Address: Avonmouth Way C S O, Jnct With Second Way, Shirehampton, Avonmouth, Bristol, . Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: 102068 Permit Version: 1	Receiving Water: River Avon (e) Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 26/3/2003 Effective Date: 31/3/2003 Revocation Date: -
23C	0.0	On Site	352020, 177010	Address: Portway Cso, Under Mf Avon Bridge, Bristol, BS11 9LS Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: 101997 Permit Version: 1	Receiving Water: Tidal River Avon(e) Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 12/3/2003 Effective Date: 31/3/2003 Revocation Date: -
24C	0.0	On Site	352020, 177010	Address: Lower High Street Cso, Jn West Town Rd/avonmouth Rd, Shirehampton, Avonmouth, Bristol Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: 102091 Permit Version: 1	Receiving Water: River Avon (e) Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 12/8/2003 Effective Date: 12/8/2003 Revocation Date: -
25C	0.0	On Site	352020, 177010	Address: Watling Way Cso, R/o 27 Watling Way, Avonmouth, Bristol, Avon, . Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: 102071 Permit Version: 1	Receiving Water: River Avon (e) Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 26/3/2003 Effective Date: 31/3/2003 Revocation Date: -
26C	0.0	On Site	352020, 177010	Address: Portway Cso, Under Mf Avon Bridge, Bristol, BS11 9LS Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: 102067 Permit Version: 1	Receiving Water: River Avon (e) Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 26/3/2003 Effective Date: 31/3/2003 Revocation Date: -
27	0.0	On Site	351760, 177290	Address: Dalgety Agriculture Ltd, Victoria Road, Avonmouth, Bristol, Avon, BS11 9DR Effluent Type: Trade Discharges - Site Drainage Permit Number: 012559 Permit Version: 1	Receiving Water: River Avon Status: New Consent, By Application (wra 91, Section 113 & Sched 12) Issue date: 9/6/1995 Effective Date: 30/5/1995 Revocation Date: -
28D	0.0	On Site	351670, 177480	Address: Avonmouth 610mm Sewer Outfall, Bristol Effluent Type: Miscellaneous Discharges - Surface Water Permit Number: 021628 Permit Version: 1	Receiving Water: Trib Of River Bristol Avon Status: Revoked - Unspecified Issue date: - Effective Date: - Revocation Date: 12/8/2003
29	9.0	NW	351110, 177190	Address: Orchard South Site, Royal Portbury Dock, Bristol, . Effluent Type: Trade Discharges - Site Drainage Permit Number: 100697 Permit Version: 1	Receiving Water: Trib Of The River Avon Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: - Effective Date: - Revocation Date: -
30E	30.0	NW	351320, 177670	Address: Hosegoods Mill, Old Dock, Avonmouth, Bristol, BS11 9DL Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: 012126 Permit Version: 1	Receiving Water: River Avon Status: Lapsed Under Schedule 23 Environment Act 1995 Issue date: 1/6/1993 Effective Date: 25/5/1993 Revocation Date: 1/10/1996
31E	30.0	NW	351320, 177670	Address: Hosegoods Mill, Old Dock, Avonmouth, Bristol, BS11 9DL Effluent Type: Sewage Discharges - Final/treated Effluent - Not Water Company Permit Number: 100259 Permit Version: 1	Receiving Water: River Avon Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 24/3/1997 Effective Date: 24/3/1997 Revocation Date: -

32	41.0	NW	351030, 177100	Address: Orchard South Site, Royal Portbury Dock, Bristol, . Effluent Type: Trade Discharges - Site Drainage Permit Number: 100697 Permit Version: 1	Receiving Water: Trib Of The River Avon Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: - Effective Date: - Revocation Date: -
33F	42.0	SW	350350, 176580	Address: Walon Car Terminal (e41), Portbury Way, Royal Portbury Dock, Portbury, Bristol Effluent Type: Trade Discharges - Process Effluent - Water Company (wtw) Permit Number: 013418 Permit Version: 1	Receiving Water: Un-named Watercourse Status: New Consent, By Application (wra 91, Section 113 & Sched 12) Issue date: 8/7/1996 Effective Date: 25/6/1996 Revocation Date: -
34	42.0	SW	350350, 176580	Address: Walon Car Terminal (e41), Portbury Way, Royal Portbury Dock, Portbury, Bristol Effluent Type: Trade Discharges - Process Effluent - Water Company (wtw) Permit Number: 013418 Permit Version: 1	Receiving Water: Un-named Watercourse Status: New Consent, By Application (wra 91, Section 113 & Sched 12) Issue date: 8/7/1996 Effective Date: 25/6/1996 Revocation Date: -
35G	95.0	NW	351160, 177490	Address: Marsh Lane, Land Adj, Royal Portbury Dock, Easton-in-gordano, Bristol Effluent Type: Miscellaneous Discharges - Surface Water Permit Number: 010436 Permit Version: 1	Receiving Water: Avon, River Bristol Status: New Consent, By Application (wra 91, Section 88) Issue date: - Effective Date: 18/7/1991 Revocation Date: -
36G	95.0	NW	351160, 177490	Address: Marsh Lane, Land Adj, Royal Portbury Dock, Easton-in-gordano, Bristol Effluent Type: Miscellaneous Discharges - Surface Water Permit Number: 010436 Permit Version: 1	Receiving Water: Avon, River Bristol Status: New Consent, By Application (wra 91, Section 88) Issue date: - Effective Date: 18/7/1991 Revocation Date: -
37G	108.0	NW	351140, 177480	Address: River Avon Foreshore/daimler, Chrysler Site, Royal Portbury Docks, Bristol, . Effluent Type: Trade Discharges - Site Drainage Permit Number: 101256 Permit Version: 1	Receiving Water: River Avon Foreshore Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 24/8/2000 Effective Date: 17/8/2000 Revocation Date: -
38G	109.0	NW	351130, 177460	Address: River Avon Foreshore/daimler, Chrysler Site, Royal Portbury Docks, Bristol, . Effluent Type: Trade Discharges - Site Drainage Permit Number: 101570 Permit Version: 1	Receiving Water: River Avon Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 14/9/2001 Effective Date: 2/9/2001 Revocation Date: -
39	110.0	SW	350440, 176230	Address: 1st Avenue, Portbury, Bristol, BS20 7XF Effluent Type: Trade Discharges - Site Drainage Permit Number: 101397 Permit Version: 1	Receiving Water: A Trib Of The Drove Rhyne Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 17/1/2001 Effective Date: 11/1/2001 Revocation Date: -
40	120.0	SW	350480, 176120	Address: Freemans Warehouse, Plot 1710, Portbury Way, Royal Portbury Dock, Avonmouth Effluent Type: Trade Discharges - Site Drainage Permit Number: 013089 Permit Version: 1	Receiving Water: Drove Rhyne Status: New Consent, By Application (wra 91, Section 113 & Sched 12) Issue date: 16/2/1996 Effective Date: 3/2/1996 Revocation Date: -
41	270.0	SW	350400, 175940	Address: Plot 18, Car Storage, Royal Portbury Docks, Bristol, . Effluent Type: Trade Discharges - Site Drainage Permit Number: 101251 Permit Version: 1	Receiving Water: Drove Rhyne Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 24/8/2000 Effective Date: 14/8/2000 Revocation Date: -
42	283.0	SW	350050, 176650	Address: Plots 38 And 39, West Dock Road, Royal Portbury Dock, Bristol Effluent Type: Trade Discharges - Site Drainage Permit Number: 013393 Permit Version: 1	Receiving Water: Trib Of Drove Rhyne Status: New Consent, By Application (wra 91, Section 113 & Sched 12) Issue date: 3/4/1996 Effective Date: 28/3/1996 Revocation Date: -

43	305.0	NW	350960, 177560	Address: River Avon Foreshore/daimler, Chrysler Site, Royal Portbury Docks, Bristol, . Effluent Type: Trade Discharges - Site Drainage Permit Number: 101255 Permit Version: 1	Receiving Water: River Avon Foreshore Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 24/8/2000 Effective Date: 17/8/2000 Revocation Date: -
44H	308.0	SW	350070, 176550	Address: Plot 28 Portbury Way, Royal Portbury Dock, Bristol, . Effluent Type: Trade Discharges - Site Drainage Permit Number: 100310 Permit Version: 1	Receiving Water: Tributary Of Drove Rhyne Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 11/7/1997 Effective Date: 11/7/1997 Revocation Date: -
45H	322.0	SW	350050, 176560	Address: Plots 38 And 39, West Dock Road, Royal Portbury Dock, Bristol Effluent Type: Trade Discharges - Site Drainage Permit Number: 013394 Permit Version: 1	Receiving Water: Drove Rhyne Status: New Consent, By Application (wra 91, Section 113 & Sched 12) Issue date: 3/4/1996 Effective Date: 28/3/1996 Revocation Date: -
46	340.0	NW	350970, 177660	Address: Axial Site, River Road, Portbury Dock, Bristol, . Effluent Type: Trade Discharges - Site Drainage Permit Number: 100696 Permit Version: 1	Receiving Water: River Avon Status: Revoked (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: - Effective Date: - Revocation Date: 14/8/2000
47	386.0	SW	350290, 175900	Address: Plot 18, Car Storage, Royal Portbury Docks, Bristol, . Effluent Type: Trade Discharges - Site Drainage Permit Number: 101250 Permit Version: 1	Receiving Water: Drove Rhyne Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 24/8/2000 Effective Date: 14/8/2000 Revocation Date: -
48	404.0	E	352640, 177410	Address: Rear Garden 27 Watling Way, Bristol Effluent Type: Sewage Discharges - Sewer Storm Overflow - Water Company Permit Number: 011191 Permit Version: 1	Receiving Water: River Bristol Avon Status: Revoked - Unspecified Issue date: - Effective Date: 12/9/1989 Revocation Date: 30/3/2003
49I	446.0	NW	351060, 178030	Address: Bristol Channel Aggregates Ltd, Junction Cut, Avonmouth Old Lock, Avonmouth, Bristol, BS11 9DH Effluent Type: Trade Discharges - Site Drainage Permit Number: 100088 Permit Version: 1	Receiving Water: Avonmouth Old Lock Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 9/5/1997 Effective Date: 9/5/1997 Revocation Date: -
50	459.0	W	349790, 177010	Address: West Dock Site, walton Terminal, Royal Portbury Dock Road, Portbury, Bristol, BS20 9XU Effluent Type: Trade Discharges - Site Drainage Permit Number: 100116 Permit Version: 1	Receiving Water: The Drove Rhyne Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 24/4/1997 Effective Date: 24/4/1997 Revocation Date: -
51I	475.0	NW	351060, 178070	Address: Bristol Channel Aggregates Ltd, Junction Cut, Avonmouth Old Lock, Avonmouth, Bristol, BS11 9DH Effluent Type: Trade Discharges - Site Drainage Permit Number: 100088 Permit Version: 1	Receiving Water: Avonmouth Old Lock Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 9/5/1997 Effective Date: 9/5/1997 Revocation Date: -
52I	475.0	NW	351060, 178070	Address: Bristol Channel Aggregates Ltd, Junction Cut, Avonmouth Old Lock, Avonmouth, Bristol, BS11 9DH Effluent Type: Trade Discharges - Site Drainage Permit Number: 100088 Permit Version: 1	Receiving Water: Avonmouth Old Lock Status: New Consent (wra 91, S88 & Sched 10 As Amended By Env Act 1995) Issue date: 9/5/1997 Effective Date: 9/5/1997 Revocation Date: -

Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site: 0

Database searched and no data found.

2.2 Dangerous or Hazardous Sites

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

2

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

ID	Distance [m]	Direction	NGR	Address	Type	Update
91	0.0	On Site	350400, 177200	agriculture bulk services ltd,royal portbury dock,portbury,bs20 7xl	NIHHS	2001
92	478.0	NW	351300, 178100	ag tiles ltd,royal edward dock,avonmouth,bristol,bs11 9bt	NIHHS	2001

2.3 Environment Agency Recorded Pollution Incidents

Records of National Incidents Recording System, List 2 within 250m of the study site:

0

Database searched and no data found.

Records of National Incidents Recording System, List 1 within 250m of the study site:

0

Database searched and no data found.

2.4 Sites Determined as Contaminated Land under Part IIA EPA 1990¹

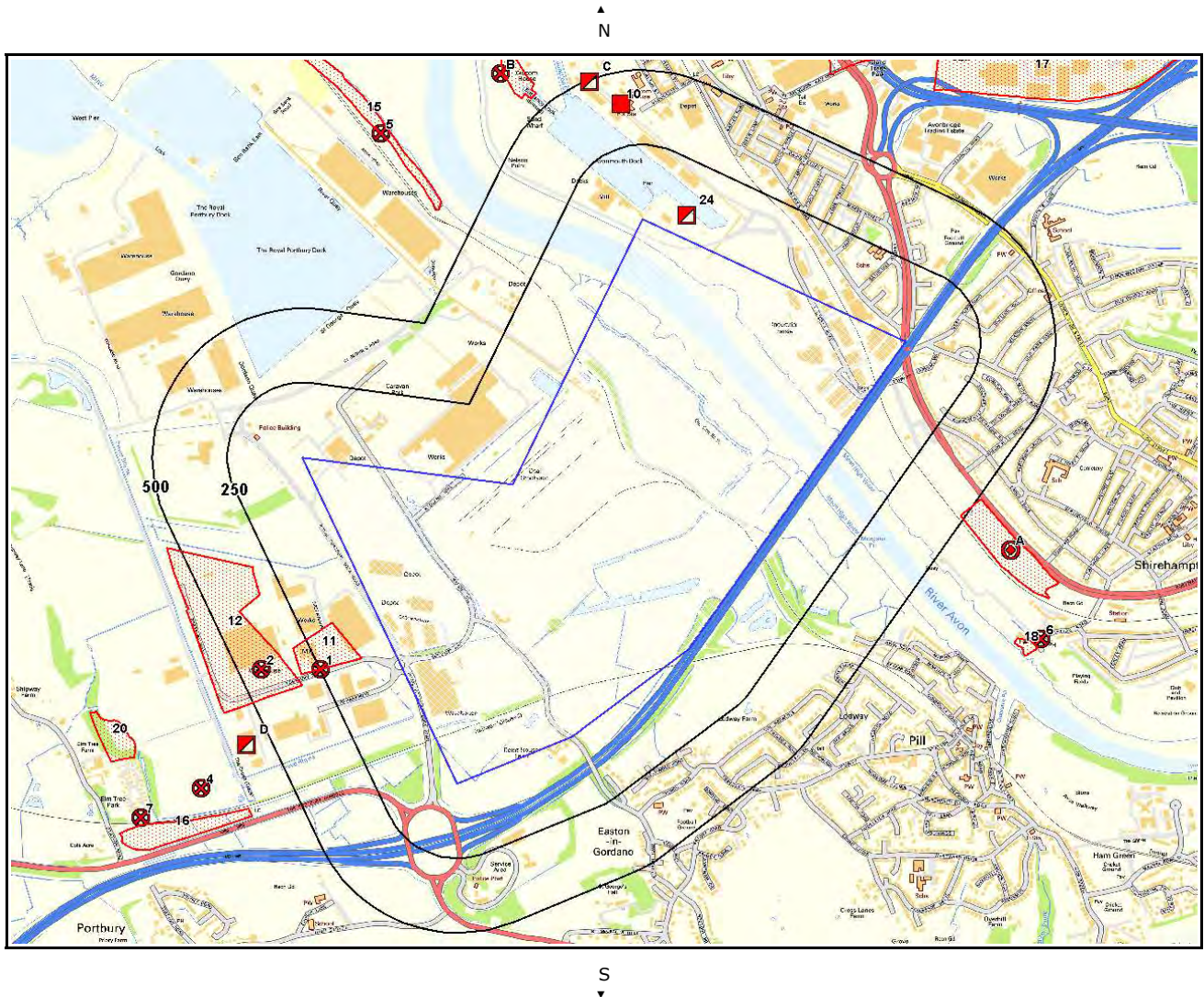
How many records of sites determined as contaminated land under Section 78R of the Environmental Protection Act 1990 are there within 500m of the study site?

0

Database searched and no data found.

¹Further information on sites that have been determined under the Contaminated Land Regime is maintained by Local Authorities under Section 78R of the Environmental Protection Act 1990. Information should be available on both sites currently determined as Contaminated Land and Special Sites.

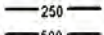
3. Landfill and Other Waste Sites Map



Landfill & Other Waste Sites Legend

Mapping sourced from
Ordnance Survey

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 Site Outline	 E.A. Active Landfill	 Operational Waste Treatment Licence
 Search Buffers (m)	 E.A. Historic Landfill (Area Data)	 Closed Waste Treatment Licence
	 E.A. Historic Landfill (Point Data)	 REGIS Waste Licence
	 BGS / DoE Survey Landfill	 Operational Landfill
	 Local Authority Landfill (Area Data)	 Closed Landfill
	 Local Authority Landfill (Point Data)	

3. Landfill and Other Waste Sites

3.1 Landfill Sites

Records from Environment Agency landfill data within 1000m of the study site: **0**

Database searched and no data found.

Records of operational landfill sites sourced from Landmark within 1000m of the study site: **0**

Database searched and no data found.

Records of Environment Agency historic landfill sites within 1500m of the study site: **13**

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
11	110.0	SW	350300, 176200	Site Address: Royal Portbury Dock, Proposed Development Area Adjacent to Dock Road, Bristol, Avon Waste Licence: Yes Site Reference: S/WG/T/6 Waste Type: Inert Regis Reference: - Licence Issue: 10-May-1978 Licence Surrendered: Licence Hold Address: - Operator: -
12	306.0	SW	349900, 176300	Site Address: Future Development Area Royal Portbury Dock, Bristol Waste Licence: Yes Site Reference: L/WG/T/124 Waste Type: Inert, Industrial Regis Reference: - Licence Issue: 10-May-1982 Licence Surrendered: 02-Nov-1992 Licence Hold Address: St Andrews Road, Avonmouth, Bristol Operator: -
13A	485.0	SE	352500, 176600	Site Address: Portway, Bristol, Avon Waste Licence: - Site Reference: A 012 Waste Type: Commercial, Household Regis Reference: - Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: Bristol Corporation
14B	550.0	NW	350900, 178100	Site Address: Avonmouth Dock Entrance Channel, Avonmouth, Bristol Waste Licence: Yes Site Reference: B/BL/T/44B Waste Type: Inert Regis Reference: - Licence Issue: 19-Dec-1978 Licence Surrendered: 07-Feb-1990 Licence Hold Address: St Andrews Road, Avonmouth, Bristol Operator: -
15	626.0	NW	350400, 178000	Site Address: Land adjoining Royal Portbury Dock, Portbury, Bristol Waste Licence: Yes Site Reference: L/WG/T/181 Waste Type: Inert, Industrial, Household, Special Regis Reference: - Licence Issue: 22-Oct-1986 Licence Surrendered: 02-Nov-1992 Licence Hold Address: St Andrews Road, Avonmouth, Bristol Operator: -
16	665.0	SW	349800, 175600	Site Address: Priory Farm, Portbury, Bristol Waste Licence: Yes Site Reference: L/WG/T/189 Waste Type: Inert, Industrial, Commercial, Household Regis Reference: - Licence Issue: 30-Sep-1987 Licence Surrendered: 27-Sep-1992 Licence Hold Address: Great Western House, Station Approach, Taunton, Somerset Operator: -
17	703.0	NE	352800, 178500	Site Address: T. Farm, Avonmouth, Bristol, Avon Waste Licence: - Site Reference: - Waste Type: Inert Regis Reference: - Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: Bristol Corporation

18	876.0	SE	352600, 176200	Site Address: Land Adjoining Station Road, Station Road, Shirehampton, Bristol Waste Licence: Yes Site Reference: L/BL/T/94 Waste Type: Inert Regis Reference: -	Licence Issue: 18-Nov-1980 Licence Surrendered: 16-Jun-1982 Licence Hold Address: 420 St Johns Lane, Bedminster, Bristol Operator: -
Not shown	914.0	NW	350500, 178500	Site Address: Entrance to closed Avonmouth Docks, Avonmouth Waste Licence: Yes Site Reference: L/BL/T/44B Waste Type: - Regis Reference: -	Licence Issue: 19-Dec-1978 Licence Surrendered: Licence Hold Address: St Andrews Road, Avonmouth Operator: -
20	916.0	SW	349600, 175900	Site Address: Elm Tree Farm, Portbury Waste Licence: Yes Site Reference: L/WG/T/52B Waste Type: Inert Regis Reference: -	Licence Issue: 26-Apr-1979 Licence Surrendered: 29-Feb-1988 Licence Hold Address: Elm Tree Farm, Portbury, Bristol Operator: -
Not shown	1361.0	NE	352700, 179000	Site Address: Kingsweston Lane, Avonmouth Waste Licence: - Site Reference: - Waste Type: - Regis Reference: -	Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: -
Not shown	1394.0	NE	352300, 179000	Site Address: VR Tip, I S C Chemicals, Avonmouth, Avon Waste Licence: Yes Site Reference: L/BL/T/39A, L/BL/T/131c, L/0131/KIN Waste Type: Inert, Industrial Regis Reference: -	Licence Issue: 21-Nov-1978 Licence Surrendered: Licence Hold Address: Kingweston Lane, Avonmouth, Bristol Operator: -
Not shown	1453.0	NE	352400, 178900	Site Address: Commonwealth Smelting Limited, St Andrews Road, Bristol, Avon Waste Licence: - Site Reference: - Waste Type: - Regis Reference: -	Licence Issue: Licence Surrendered: Licence Hold Address: - Operator: -

Records of non-operational landfill sites sourced from Landmark within 1000m of the study site:

6

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

ID	Distance [m]	Direction	NGR	Details
1	249.0	SW	350300, 176200	Site Address: Royal Portbury, adj. to Dock Road, BRISTOL, Avon, Landfill Licence: 01FABTAL Agency Reference: Waste Type: Inert Waste Description: Inert Landfill Known Restrictions: No known restriction on source of waste Record Date: 30-Apr-1978 Transfer Date: Modification Date: Status: Licence lapsed/cancelled/defunct/not applicable/surrendered Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
2	430.0	SW	350100, 176200	Site Address: Royal Portbury Dock, Future Development Area, BRISTOL, Avon Landfill Licence: 01FAECAL Agency Reference: Waste Type: Non-Hazardous Waste Description: Non-Hazardous Landfill Known Restrictions: No known restriction on source of waste Record Date: 30-Apr-1982 Transfer Date: Modification Date: Status: Licence lapsed/cancelled/defunct/not applicable/surrendered Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
3B	680.0	NW	350900, 178200	Site Address: Entry Channel To, Closed Avonmouth Dock, Avonmouth, BRISTOL, Avon, Landfill Licence: 01BAGSAL Agency Reference: Waste Type: Non-Hazardous Waste Description: Non-Hazardous Landfill Known Restrictions: No known restriction on source of waste Record Date: 01-Dec-1978 Transfer Date: Modification Date: 31-Aug-1979 Status: Licence lapsed/cancelled/defunct/not applicable/surrendered Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined

4	781.0	SW	349900, 175800	Site Address: Elm Tree Farm, Portbury, BRISTOL, Avon Landfill Licence: 01FAGHAL Agency Reference: Waste Type: Non-Hazardous Waste Description: Non-Hazardous Landfill Known Restrictions: No known restriction on source of waste	Record Date: 31-Mar-1979 Transfer Date: Modification Date: 01-Mar-1981 Status: Licence lapsed/cancelled/defunct/not applicable/surrendered Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
5	911.0	NW	350500, 178000	Site Address: adj. Royal Portbury Dock, Portbury, Avonmouth, BRISTOL, Avon Landfill Licence: 01FAKBAL Agency Reference: Waste Type: Non-Hazardous Waste Description: Non-Hazardous Landfill Known Restrictions: No known restriction on source of waste	Record Date: 30-Sep-1986 Transfer Date: Modification Date: Status: Licence lapsed/cancelled/defunct/not applicable/surrendered Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined
6	942.0	SE	352700, 176300	Site Address: adj. Station Road, Shirehampton, BRISTOL, Avon, Landfill Licence: 01BADGAL Agency Reference: Waste Type: Non-Hazardous Waste Description: Non-Hazardous Landfill Known Restrictions: No known restriction on source of waste	Record Date: 01-Nov-1980 Transfer Date: Modification Date: Status: Licence lapsed/cancelled/defunct/not applicable/surrendered Category: LANDFILL Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined

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

2

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

ID	Distance [m]	Direction	NGR	Details
8A	688.0	SE	352600. 0,17660 0.0	Address: Portway, Bristol BGS Number: 2581.0 Risk: No risk to aquifer Waste Type: Some toxic waste
Not shown	1468.0	NE	353100. 0,17850 0.0	Address: T Farm, Avonmouth, Bristol, Avon BGS Number: 2654.0 Risk: No risk to aquifer Waste Type: N/A

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

0

Database searched and no data found.

3.2 Other Waste Sites

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

1

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
10	394.0	N	351300, 178100	Site Address: Royal Edward Dock, St Andrews Road, Avonmouth, BRISTOL, Avon, BS11 9BT Landfill Licence: 01BANPAL EA Reference: EAWML29727 Waste Type: Non-Hazardous Rating: Non-Hazardous Treatment Known Restrictions: No known restriction on source of waste Record Date: 01-Dec-1993 Transfer Date: 31-Aug-1995 Modification Date: Status: Operational as far as is known Category: TREATMENT Regulator: EA - South West Region - North Wessex Area (Bridgwater) Size: Undefined

Records of non-operational waste treatment, transfer or disposal sites within 500m of the study site: 0

Database searched and no data found.

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
24	74.0	NE	351519, 177727	Site Address: N Berth, Avonmouth Docks, Bristol, Avon, BS11 9DL Type: Physical Treatment Facility Size: >= 75000 tonnes Regis Licence Number: SBP004 Operator: Stobart Biomass Products Limited Surrendered Date: - Waste Management licence No: 103584 Annual Tonnage: 74999.0 Issue Date: 10/05/2012 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: N Berth Cancelled Date: - Correspondence Address: -, -
25C	496.0	N	351194, 178175	Site Address: H Berth, Junction Cut, Avonmouth Docks, Avonmouth, Bristol, BS11 9DH Type: Metal Recycling Site (Vehicle Dismantler) Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: SIM127 Operator: Sims Group U K Ltd Surrendered Date: - Waste Management licence No: 100142 Annual Tonnage: 74999.0 Issue Date: 28/03/2008 Expiry Date: - Effective Date: 07/07/2011 Status: Modified Modified: 07/10/2011 Site Name: Sims Group U K Ltd Cancelled Date: - Correspondence Address: -, -
26C	496.0	N	351194, 178175	Site Address: H Berth, Junction Cut, Avonmouth Docks, Avonmouth, Bristol, BS11 9DH Type: Metal Recycling Site (Vehicle Dismantler) Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: DUN017 Operator: Dunn Bros (1995) Ltd Surrendered Date: - Waste Management licence No: 100142 Annual Tonnage: 74999.0 Issue Date: 28/03/2008 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Dunn Bros (1995) Ltd Cancelled Date: - Correspondence Address: -, -
27D	582.0	SW	350050, 175950	Site Address: A Gas (U K) Ltd, Banyard Road, Portbury West, Bristol, Avon, BS20 7XH Type: Physical Treatment Facility Size: < 25000 tonnes Regis Licence Number: AGA002 Operator: A - Gas (U K) Ltd Surrendered Date: - Waste Management licence No: 26163 Annual Tonnage: 135.0 Issue Date: 18/07/2005 Expiry Date: - Effective Date: - Status: Modified Modified: 24/08/2012 Site Name: A - Gas (U K) Ltd Cancelled Date: - Correspondence Address: -, -
28D	582.0	SW	350050, 175950	Site Address: Banyard Road, Portbury West, Bristol, BS20 7XH Type: Physical Treatment Facility Size: < 25000 tonnes Regis Licence Number: AGA002 Operator: A-gas (U K) Ltd Surrendered Date: - Waste Management licence No: 26163 Annual Tonnage: 0.0 Issue Date: 18/07/2005 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: A-gas Waste Refrigerant Recovery Facility Cancelled Date: - Correspondence Address: -, Banyard Road, Portbury West, Bristol, BS20 7XH
29D	582.0	SW	350050, 175950	Site Address: A Gas Waste Refrigerant Recovery Facility, Banyard Road, Portbury West, Bristol, Avon, BS20 7XH Type: Physical Treatment Facility Size: < 25000 tonnes Regis Licence Number: AGA002 Operator: A - Gas (U K) Ltd Surrendered Date: - Waste Management licence No: 26163 Annual Tonnage: 135.0 Issue Date: 18/07/2005 Expiry Date: - Effective Date: - Status: Modified Modified: 26/04/2012 Site Name: A - Gas Waste U K Ltd Cancelled Date: - Correspondence Address: -, -

Not shown	887.0	N	351400, 178600	Site Address: Allied Metals Ltd, Royal Edward Dock, St Andrews Road, Avonmouth, Bristol, BS11 9BT Type: Metal Recycling Site (mixed MRS's) Size: >= 75000 tonnes Regis Licence Number: ALL271 Operator: Simsmetal Uk Ltd Surrendered Date: - Waste Management licence No: 27202 Annual Tonnage: 0.0	Issue Date: 17/12/1993 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Simsmetal Fragmentation Plant Cancelled Date: - Correspondence Address: Atlantech House, Atlantech House, Beaufort Square, Chepstow, Gwent, NP6 5EP
Not shown	887.0	N	351400, 178600	Site Address: Allied Metals Ltd, Royal Edward Dock, St Andrews Road, Avonmouth, Bristol, Avon, BS11 9BT Type: Metal Recycling Site (mixed MRS's) Size: >= 75000 tonnes Regis Licence Number: ALL271 Operator: Sims Group Uk Ltd Surrendered Date: - Waste Management licence No: 27202 Annual Tonnage: 75000.0	Issue Date: 17/12/1993 Expiry Date: - Effective Date: - Status: Transferred Modified: - Site Name: Sims Group Fragmentation Plant Cancelled Date: - Correspondence Address: -, -
Not shown	893.0	NE	351800, 178500	Site Address: Unit 7, St Brendans Trading Estate, Avonmouth Way, Avonmouth, Bristol, BS11 9HD Type: Special Waste Transfer Station Size: < 25000 tonnes Regis Licence Number: PUR005 Operator: Pure Clean (uk) Ltd Surrendered Date: - Waste Management licence No: 26057 Annual Tonnage: 0.0	Issue Date: 05/12/2002 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Pure Clean (uk) Ltd Cancelled Date: - Correspondence Address: -, Old Moor Road, Bredbury, Stockport, SK6 2QE
Not shown	893.0	NE	351800, 178500	Site Address: Unit 7, St Brendans Trading Estate, Avonmouth Way, Bristol, Avon, BS11 9HD Type: Special Waste Transfer Station Size: < 25000 tonnes Regis Licence Number: PUR005 Operator: Pure Clean Environmental Ltd Surrendered Date: - Waste Management licence No: 26057 Annual Tonnage: 4999.0	Issue Date: 05/12/2002 Expiry Date: - Effective Date: - Status: Modified Modified: 16/07/2008 Site Name: Pure Clean Environmental Ltd Cancelled Date: - Correspondence Address: -, -
Not shown	1100.0	NE	352500, 178400	Site Address: Avonmouth Way, Avonmouth, Bristol, Avon, BS11 8DE Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Regis Licence Number: TQL001 Operator: T Quality Ltd Surrendered Date: 11/08/2010 Waste Management licence No: 26208 Annual Tonnage: 0.0	Issue Date: 11/05/2007 Expiry Date: - Effective Date: - Status: Surrendered Modified: - Site Name: Avonmouth Cancelled Date: - Correspondence Address: -, -
Not shown	1179.0	N	351408, 178892	Site Address: Avonmouth Docks, St Andrews Road, Avonmouth, BS11 9DQ Type: HCI Waste TS + treatment Size: < 25000 tonnes Regis Licence Number: CHU074 Operator: Churngold Recycling Limited Surrendered Date: - Waste Management licence No: 102799 Annual Tonnage: 74999.0	Issue Date: 31/05/2011 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Churngold Recycling Building E Cancelled Date: - Correspondence Address: -, -
Not shown	1204.0	NE	352910, 178310	Site Address: Land / Premesis At, Fourth Way, Avonmouth, Bristol, Avon, BS11 8DX Type: ELV Facility Size: < 25000 tonnes Regis Licence Number: A&M002 Operator: A & M Motors Ltd Surrendered Date: - Waste Management licence No: 26099 Annual Tonnage: 2500.0	Issue Date: 13/09/2004 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: A & M Motors E L V Cancelled Date: - Correspondence Address: -, -
Not shown	1340.0	N	351000, 179000	Site Address: Birth B& C, St Andrews Road, Avonmouth Docks, Bristol, BS11 9DQ Type: Physical Treatment Facility Size: < 25000 tonnes Regis Licence Number: CHU079 Operator: Churngold Recycling Limited Surrendered Date: - Waste Management licence No: 102973 Annual Tonnage: 74999.0	Issue Date: 02/12/2011 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Churngold Recycling Woodchipping Facility Cancelled Date: - Correspondence Address: -, -

Not shown	1356.0	N	351800, 179000	Site Address: Alloys House, Alloys House, St Andrews Road, Avonmouth, Bristol, Avon, BS11 9HS Type: Transfer Station taking Non-Biodegradable Wastes Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: WES232 Operator: Western Tyres Ltd Surrendered Date: - Waste Management licence No: 27216 Annual Tonnage: 1000.0	Issue Date: 06/04/1992 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Western Tyres Avonmouth Cancelled Date: - Correspondence Address: -, -
Not shown	1383.0	NE	352100, 178900	Site Address: Britannia Zinc, Kingsweston Lane, Avonmouth, Bristol, Avon, BS11 8HT Type: Industrial Waste Landfill (Factory curtilage) Size: >= 75000 tonnes Regis Licence Number: 272075 Operator: St Modwen Developments Ltd Surrendered Date: - Waste Management licence No: 27275 Annual Tonnage: 5000.0	Issue Date: 20/11/1997 Expiry Date: - Effective Date: 09/08/2003 Status: IPPC Modified: - Site Name: Britannia Zinc Landfill Cancelled Date: - Correspondence Address: -, -
Not shown	1394.0	N	351301, 179105	Site Address: West Wharf, Avonmouth Docks, Avonmouth, Bristol, Avon, BS11 9DQ Type: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: STO139 Operator: Stobart Biomass Products Ltd Surrendered Date: - Waste Management licence No: 101852 Annual Tonnage: 74999.0	Issue Date: 15/09/2010 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Avonmouth Storage Facility Cancelled Date: - Correspondence Address: -, -
Not shown	1431.0	NE	352000, 179000	Site Address: Britannia Zinc, Kingsweston Lane, Avonmouth, Bristol, BS11 8HT Type: Industrial Waste Landfill (Factory curtilage) Size: >= 75000 tonnes Regis Licence Number: BRI343 Operator: Britannia Zinc Ltd Surrendered Date: - Waste Management licence No: 27275 Annual Tonnage: 0.0	Issue Date: 20/11/1997 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Britannia Zinc Landfill Cancelled Date: - Correspondence Address: Britannia Zinc, Kingsweston Lane, Avonmouth, Bristol, BS11 8HT
Not shown	1451.0	N	351800, 179100	Site Address: Unit 8, Yara Estate, St Andrews Road, Avonmouth, Bristol, Avon, BS11 9HW Type: Physical Treatment Facility Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: NEW178 Operator: New West Gypsum Recycling (U K) Ltd Surrendered Date: - Waste Management licence No: 26190 Annual Tonnage: 70000.0	Issue Date: 28/04/2006 Expiry Date: - Effective Date: 20/08/2010 Status: Transferred Modified: - Site Name: Lafarge Plasterboard Recycling Facility Cancelled Date: - Correspondence Address: -, -
Not shown	1451.0	N	351800, 179100	Site Address: Unit 8, Yara Estate, St Andrews Road, Avonmouth, Bristol, BS11 9HW Type: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: LAF001 Operator: Lafarge Plasterboard Ltd Surrendered Date: - Waste Management licence No: 26190 Annual Tonnage: 0.0	Issue Date: 28/04/2006 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Lafarge Plasterboard Recycling Facility Cancelled Date: - Correspondence Address: -, Marsh Lane, Easton In Gordano, Bristol, BS20 ONF
Not shown	1451.0	N	351800, 179100	Site Address: Unit 8, Yara Estate, St Andrews Road, Avonmouth, Bristol, Avon, BS11 9HW Type: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes < 75000 tonnes Regis Licence Number: NEW178 Operator: New West Gypsum Recycling (U K) Ltd Surrendered Date: - Waste Management licence No: 26190 Annual Tonnage: 70000.0	Issue Date: 28/04/2006 Expiry Date: - Effective Date: 20/08/2010 Status: Transferred Modified: - Site Name: Lafarge Plasterboard Recycling Facility Cancelled Date: - Correspondence Address: -, -

Not shown	1494.0	N	351873, 179121	Site Address: Unit 7 Norsk Hydro Trading Estate, St Andrews Road, Avonmouth, Bristol, Avon, BS11 9HW Type: HCI Waste TS + treatment Size: < 25000 tonnes Regis Licence Number: BIF100 Operator: Biffa Waste Services Limited Surrendered Date: - Waste Management licence No: 102883 Annual Tonnage: 74999.0	Issue Date: 20/06/2011 Expiry Date: - Effective Date: - Status: Issued Modified: - Site Name: Biffa Waste Services Ltd Cancelled Date: - Correspondence Address: -, -

4. Current Land Use Map

NW

N
▲

NE

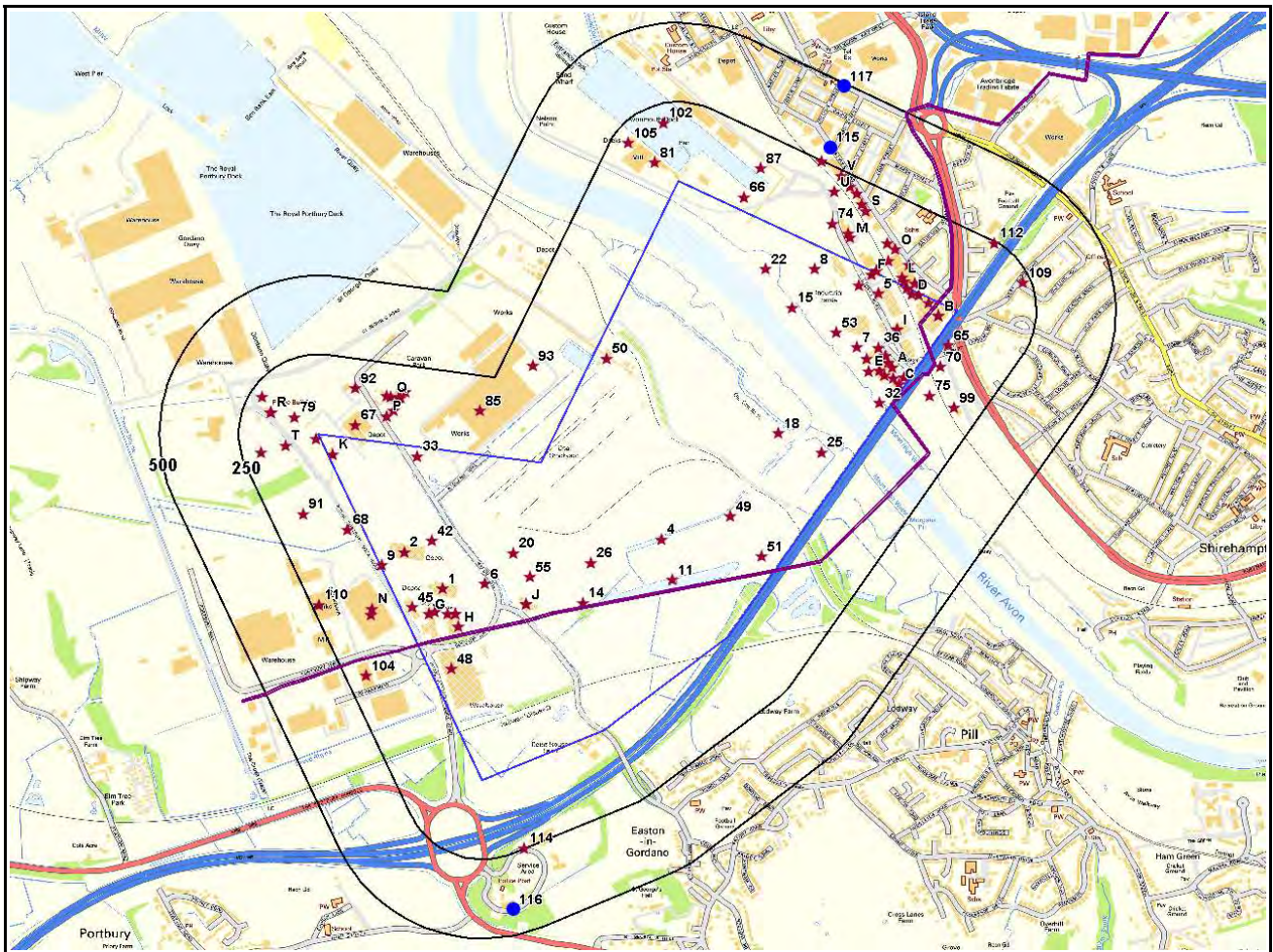
W

E

SW

S
▼

SE



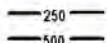
Current Land Use Legend



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Site Outline



Search Buffers (m)



Current Industrial Sites



Petrol & Fuel Sites



Underground High Pressure Oil & Fuel Pipelines

4. Current Land Uses

4.1 Current Industrial Data

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

114

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

ID	Distance [m]	Direction	Company	Address	Activity	Category
1	0.0	On Site	Depot	BS20	Container and Storage	Transport, Storage and Delivery
2	0.0	On Site	Depot	BS20	Container and Storage	Transport, Storage and Delivery
3A	0.0	On Site	Dantek Environmental Services UK Ltd	Unit 2 Avonbank Industrial Centre, West Town Road, Bristol, BS11 9DE	Air and Water Filtration	Industrial Products
4	0.0	On Site	Pylon	BS20	Electrical Features	Infrastructure and Facilities
5	0.0	On Site	Concordia International Ltd	Unit 7 Avon Riverside Estate, Victoria Road, Avonmouth, Bristol, BS11 9DB	Distribution and Haulage	Transport, Storage and Delivery
6	0.0	On Site	Pylon	BS20	Electrical Features	Infrastructure and Facilities
7	0.0	On Site	Depot	BS11	Container and Storage	Transport, Storage and Delivery
8	0.0	On Site	Freight Depot	BS11	Container and Storage	Transport, Storage and Delivery
9	0.0	On Site	Pylon	BS20	Electrical Features	Infrastructure and Facilities
10 E	0.0	On Site	Pylon	BS11	Electrical Features	Infrastructure and Facilities
11	0.0	On Site	Pylon	BS20	Electrical Features	Infrastructure and Facilities
12 D	0.0	On Site	Pylon	BS11	Electrical Features	Infrastructure and Facilities
13 A	0.0	On Site	Ceiling Solutions	Unit 20 Avonbank Industrial Centre, West Town Road, Bristol, BS11 9DE	Industrial Repairs and Servicing	Repair and Servicing
14	0.0	On Site	Pylon	BS20	Electrical Features	Infrastructure and Facilities
15	0.0	On Site	Jetty (Disused)	BS11	Moorings and Unloading Facilities	Water
16 B	0.0	On Site	Oak International Freight Ltd	1, Portview Road, Bristol, BS11 9LS	Distribution and Haulage	Transport, Storage and Delivery
17 B	0.0	On Site	I E S	1, Portview Road, Bristol, BS11 9LS	Electrical Production and Manipulation Equipment	Industrial Products
18	0.0	On Site	Pylon	BS20	Electrical Features	Infrastructure and Facilities
19 C	0.0	On Site	Automotive Control Ltd	Unit 23 Avonbank Industrial Centre, West Town Road, Bristol, BS11 9DE	Vehicle Components	Industrial Products
20	0.0	On Site	Pylon	BS20	Electrical Features	Infrastructure and Facilities
21 C	0.0	On Site	Brown Brothers Distribution Ltd	Unit 11 Avonbank Industrial Centre, West Town Road, Bristol, BS11 9DE	Paints, Varnishes and Lacquers	Industrial Products
22	0.0	On Site	Jetty (Disused)	BS11	Moorings and Unloading Facilities	Water
23 C	0.0	On Site	Avonbank Industrial Estate	BS11	Business Parks and Industrial Estates	Industrial Features
24 K	0.0	On Site	Tank	BS20	Tanks (Generic)	Industrial Features
25	0.0	On Site	Pylon	BS20	Electrical Features	Infrastructure and Facilities

Report Reference: HMD-441-912071

26	0.0	On Site	Pylon	BS20	Electrical Features	Infrastructure and Facilities
27 G	0.0	On Site	Watkins & Sole Transport Ltd	Unit 6-7 Garonor Way, Royal Portbury Dock, Portbury, Bristol, BS20 7XE	Distribution and Haulage	Transport, Storage and Delivery
28 F	0.0	On Site	Vigilance Engineering Safety Products Ltd	Unit 10 Avon Riverside Estate, Victoria Road, Avonmouth, Bristol, BS11 9DB	Lubricants and Lubricating Equipment	Industrial Products
29 H	0.0	On Site	Johnson Controls Ltd	Unit 17 Garonor Way, Royal Portbury Dock, Portbury, Bristol, BS20 7XE	Construction Completion Services	Construction Services
30 D	0.0	On Site	Portishead Engineering & Construction Ltd	Unit C 3, Portview Road, Bristol, BS11 9LQ	Industrial Engineers	Engineering Services
31 E	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
32	0.0	On Site	Outfall	BS11	Waste Storage, Processing and Disposal	Infrastructure and Facilities
33	0.0	On Site	Gas Governor	BS20	Gas Features	Infrastructure and Facilities
34 A	0.0	On Site	Press2print	Unit 8-9 Avonbank Industrial Centre, West Town Road, Bristol, BS11 9DE	Published Goods	Industrial Products
35 F	0.0	On Site	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
36	0.0	On Site	M Barnwell Services Ltd	Unit 13 Avonbank Industrial Centre, West Town Road, Bristol, BS11 9DE	Seals, Tapes, Taps and Valves	Industrial Products
37 G	0.0	On Site	Electricity Sub Station	BS20	Electrical Features	Infrastructure and Facilities
38 H	0.0	On Site	Star Refrigeration Ltd	Unit 11 Garonor Way, Royal Portbury Dock, Portbury, Bristol, BS20 7XE	Cooling and Refrigeration	Industrial Products
39 D	0.0	On Site	Avon Gorge Industrial Estate	BS11	Business Parks and Industrial Estates	Industrial Features
40 D	0.0	On Site	Ben Shaws Western	Unit 5 Avon Gorge Industrial Estate, Portview Road, Bristol, BS11 9LQ	Distribution and Haulage	Transport, Storage and Delivery
41 H	0.0	On Site	Aktion Automotive Ltd	Unit 18 Garonor Way, Royal Portbury Dock, Portbury, Bristol, BS20 7XE	Vehicle Parts and Accessories	Motoring
42	0.0	On Site	Pylon	BS20	Electrical Features	Infrastructure and Facilities
43 H	0.0	On Site	Rollo Power Solutions Ltd	Unit 18 Garonor Way, Royal Portbury Dock, Portbury, Bristol, BS20 7XE	Construction and Tool Hire	Hire Services
44 A	0.0	On Site	M R Control Ltd	Unit 5 Avonbank Industrial Centre, West Town Road, Bristol, BS11 9DE	Electronic Equipment	Industrial Products
45	0.0	On Site	Parker Merchanting Ltd	Unit 1-3 Garonor Way, Royal Portbury Dock, Portbury, Bristol, BS20 7XE	Workwear	Industrial Products
46 I	0.0	On Site	DHL Global Forwarding	Unit 1-2 Avon Riverside Estate, Victoria Road, Avonmouth, Bristol, BS11 9DB	Distribution and Haulage	Transport, Storage and Delivery
47 I	0.0	On Site	Speedy Hire Plc	Avon Riverside Estate, Victoria Road, Avonmouth, Bristol, BS11 9DB	Construction and Tool Hire	Hire Services
48	0.0	On Site	Warehouse	BS20	Container and Storage	Transport, Storage and Delivery
49	0.0	On Site	Pylon	BS20	Electrical Features	Infrastructure and Facilities
50	0.0	On Site	Conveyor	BS20	Conveyors	Industrial Features
51	0.0	On Site	Pylon	BS20	Electrical Features	Infrastructure and Facilities
52 E	0.0	On Site	Signs Express Ltd	Unit 17 Avonbank Industrial Centre, West Town Road, Bristol, BS11 9DE	Signs	Industrial Products
53	0.0	On Site	Pylon	BS11	Electrical Features	Infrastructure and Facilities
54 J	0.0	On Site	Lafarge Plasterboard	Gordano House, Marsh Lane, Easton-in-Gordano, Bristol, BS20 ONE	General Construction Supplies	Industrial Products
55	0.0	On Site	Depot	BS20	Container and Storage	Transport, Storage and Delivery
56 J	0.0	On Site	Birse Rail Ltd	Gordano House, Marsh Lane, Easton-in-Gordano, Bristol, BS20 ONE	Special Purpose Machinery and Equipment	Industrial Products

57 F	6.0	NE	Devon Medical Equipment	Unit 11 Avon Riverside Estate, Victoria Road, Avonmouth, Bristol, BS11 9DB	Medical Equipment, Supplies and Pharmaceuticals	Industrial Products
58 F	6.0	NE	Mathias & Sons Ltd	George Mathias House, Victoria Road, Avonmouth, Bristol, BS11 9DB	Workwear	Industrial Products
59 D	12.0	NE	Aumuller UK Ltd	Unit 6 Avon Gorge Industrial Estate, Portview Road, Bristol, BS11 9LQ	Construction Completion Services	Construction Services
60 D	12.0	NE	Abbey Products Ltd	Unit 6 Avon Gorge Industrial Estate, Portview Road, Bristol, BS11 9LQ	Construction Completion Services	Construction Services
61 K	14.0	SW	Depot	BS20	Container and Storage	Transport, Storage and Delivery
62 L	20.0	NE	Avon Hydraulics UK	Unit 7 Avon Gorge Industrial Estate, Portview Road, Bristol, BS11 9LQ	Hydraulic Engineers	Engineering Services
63 L	20.0	NE	Stancold Plc	Portview Road, Bristol, BS11 9LQ	Container and Storage	Transport, Storage and Delivery
64 D	27.0	NE	Spot on Supplies Hygiene Ltd	Unit 1-2 Avon Gorge Industrial Estate, Portview Road, Bristol, BS11 9LQ	Cleaning Equipment and Supplies	Industrial Products
65	38.0	SE	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
66	40.0	NE	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
67	43.0	N	Depot	BS20	Container and Storage	Transport, Storage and Delivery
68	46.0	SW	Pylon	BS20	Electrical Features	Infrastructure and Facilities
69 F	50.0	NE	Tank	BS11	Tanks (Generic)	Industrial Features
70	59.0	SE	J P Crane Hire Ltd	The Camp Avonbank Industrial Centre, West Town Road, Bristol, BS11 9DE	Construction and Tool Hire	Hire Services
71 L	65.0	NE	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
72 M	65.0	NE	Co-channel Electronics Ltd	Unit A, 7a4 Business Centre, Victoria Road, Avonmouth, Bristol, BS11 9DB	Radar and Telecommunications Equipment	Industrial Products
73 M	74.0	NE	Promec Engineering Ltd	Unit B, 7a4 Business Centre, Victoria Road, Avonmouth, Bristol, BS11 9DB	Cutting, Drilling and Welding Services	Construction Services
74	82.0	NE	Maritime Transport	Victoria Road, Avonmouth, Bristol, BS11 9DB	Distribution and Haulage	Transport, Storage and Delivery
75	82.0	SE	Depot	BS11	Container and Storage	Transport, Storage and Delivery
76 P	83.0	N	Good Taste Foods	Unit 24 Marsh Lane Trading Estate, Marsh Lane, Easton-in-Gordano, Bristol, BS20 0NH	Catering and Non Specific Food Products Packaging	Foodstuffs
77 N	84.0	SW	D S Smith	First Avenue, Portbury Way, Portbury, Bristol, BS20 7XR		Industrial Products
78 O	91.0	NE	Radius Logistic Services Ltd	25, Portview Road, Bristol, BS11 9LD	Distribution and Haulage	Transport, Storage and Delivery
79	92.0	NW	Royal Portbury Dock	BS20	Marine Equipment Including Boats and Ships	Industrial Products
80 N	96.0	SW	Works	BS20	Unspecified Works Or Factories	Industrial Features
81	96.0	NW	Tank	BS11	Tanks (Generic)	Industrial Features
82 O	98.0	NE	Pylon	BS11	Electrical Features	Infrastructure and Facilities
83 P	102.0	N	Concept Sealants & Developments	Unit 21 Marsh Lane Trading Estate, Marsh Lane, Easton-in-Gordano, Bristol, BS20 0NH	Adhesives and Sealants	Industrial Products
84 T	111.0	W	Mainland Car Deliveries Ltd	Royal Portbury Dock, Portbury, Bristol, BS20 7XQ	Distribution and Haulage	Transport, Storage and Delivery
85	137.0	N	Lafarge	Marsh Lane, Easton-in-Gordano, Bristol, BS20 0NF	General Construction Supplies	Industrial Products

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86 Q	144.0	N	C P M	Unit 1 Marsh Lane Trading Estate, Marsh Lane, Easton-in-Gordano, Bristol, BS20 0NH	Published Goods	Industrial Products
87	144.0	NE	Sand Depot	BS11	Container and Storage	Transport, Storage and Delivery
88 Q	146.0	N	M J M Woodworking Machinery	Unit 7a Marsh Lane Trading Estate, Marsh Lane, Easton-in-Gordano, Bristol, BS20 0NH	Tools Including Machine Shops	Industrial Products
89 Q	147.0	N	Medserve R P P Ltd	Unit 8 Marsh Lane Trading Estate, Marsh Lane, Easton-in-Gordano, Bristol, BS20 0NH	Industrial Repairs and Servicing	Repair and Servicing
90 Q	147.0	N	Lusso Interiors	Unit 20 Marsh Lane Trading Estate, Marsh Lane, Easton-in-Gordano, Bristol, BS20 0NH	Office and Shop Equipment	Industrial Products
91	153.0	SW	Depot	BS20	Container and Storage	Transport, Storage and Delivery
92	157.0	N	Tank	BS20	Tanks (Generic)	Industrial Features
93	158.0	NW	Tank	BS20	Tanks (Generic)	Industrial Features
94 S	164.0	NE	Works	BS11	Unspecified Works Or Factories	Industrial Features
95 R	166.0	NW	C M S Reefer Services	South Office, Royal Portbury Dock, Portbury, Bristol, BS20 7XL	Refrigeration and Freezing Appliances	Consumer Products
96 R	166.0	NW	GB Motorships Ltd	Royal Portbury Dock, Portbury, Bristol, BS20 7XL	Distribution and Haulage	Transport, Storage and Delivery
97 R	166.0	NW	Agricultural Bulk Services Bristol Ltd	Royal Portbury Dock, Portbury, Bristol, BS20 7XL	Container and Storage	Transport, Storage and Delivery
98 Q	166.0	N	Weldmec Ltd	Unit 6/A Marsh Lane Trading Estate, Marsh Lane, Easton-in-Gordano, Bristol, BS20 0NH	Cutting, Drilling and Welding Services	Construction Services
99	168.0	SE	Depot	BS11	Container and Storage	Transport, Storage and Delivery
10 0 U	176.0	NE	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
10 1S	177.0	NE	Works	BS11	Unspecified Works Or Factories	Industrial Features
10 2	189.0	N	Avonmouth Dock	BS11	Marine Equipment Including Boats and Ships	Industrial Products
10 3T	189.0	W	Depot	BS20	Container and Storage	Transport, Storage and Delivery
10 4	190.0	SW	Hampton Printing Bristol Ltd	Bradley Road, Portbury, Bristol, BS20 7TT	Plate Makers, Print Finishers and Type Setters	IT, Advertising, Marketing and Media Services
10 5	199.0	NW	Tank	BS11	Tanks (Generic)	Industrial Features
10 6 U	200.0	NE	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
10 7 U	212.0	NE	British Seed Houses Ltd	Portview Road, Bristol, BS11 9JH	Agricultural Machinery and Goods	Industrial Products
10 8R	212.0	NW	Port of Bristol Seafarers Centre	Royal Portbury Dock Road, Portbury, Bristol, BS20 7XJ	Moorings and Unloading Facilities	Water
10 9	224.0	NE	Electricity Sub Station	BS11	Electrical Features	Infrastructure and Facilities
11 0	231.0	SW	Works	BS20	Unspecified Works Or Factories	Industrial Features
11 1V	232.0	NE	Warehouse	BS11	Container and Storage	Transport, Storage and Delivery
11 2	243.0	NE	Pylon	BS11	Electrical Features	Infrastructure and Facilities
11 3V	248.0	NE	Hoppers	BS11	Hoppers and Silos	Farming

11 4	249.0	S	Electricity Sub Station	BS20	Electrical Features	Infrastructure and Facilities

4.2 Petrol and Fuel Sites

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

3

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

ID	Distance [m]	Direction	NGR	Company	Address	LPG	Status
11 5	298.0	NE	351850, 177819	Unbranded	Weatherheads, 68, Portview Road, Portview Road, Avonmouth, Bristol, Bristol, BS11 9JF	Not Applicable	Obsolete
11 6	420.0	S	350853, 175408	Shell	M5 Gordano Motorway Service Area, M5 J19, M5 J19, Martcombe Road, Portbury, Bristol, Bristol, BS20 7XG	Yes	Open
11 7	492.0	NE	351895, 178012	Unbranded	Avonmouth Self Service, Avonmouth Road, Avonmouth Road, Avonmouth, Bristol, Bristol, BS11 9EN	Not Applicable	Obsolete

4.3 Underground High Pressure Oil and Gas Pipelines

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

1

The following Underground High Pressure Oil and Gas pipeline records provided by Linewatch are represented as linear features on the Current Land Use map:

ID	Distance [m]	Direction	Address	Operator	Telephone
118	0.0	On Site	GPSS, PO Box 7273, Ashby De La Zouch, LE65 2BY	GPSS Aldermaston pipelines	0845 070 1245

5. Geology

5.1 Artificial Ground and Made Ground

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

LEX Code	Description	Rock Type
WGR-OPEN	WORKED GROUND (UNDIVIDED)	VOID
MGR-MGRD	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
MGR-MGRD	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
WGR-OPEN	WORKED GROUND (UNDIVIDED)	VOID
WMGR-MGRD	INFILLED GROUND	ARTIFICIAL DEPOSIT
MGR-MGRD	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

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

5.2 Superficial Ground and Drift Geology

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

Lex Code	Description	Rock Type
TFD-CLSI	TIDAL FLAT DEPOSITS	CLAY AND SILT
HEAD-CSSG	HEAD	CLAY, SILT, SAND AND GRAVEL
HEAD-CSSG	HEAD	CLAY, SILT, SAND AND GRAVEL
HEAD-CSSG	HEAD	CLAY, SILT, SAND AND GRAVEL

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

5.3 Bedrock and Solid Geology

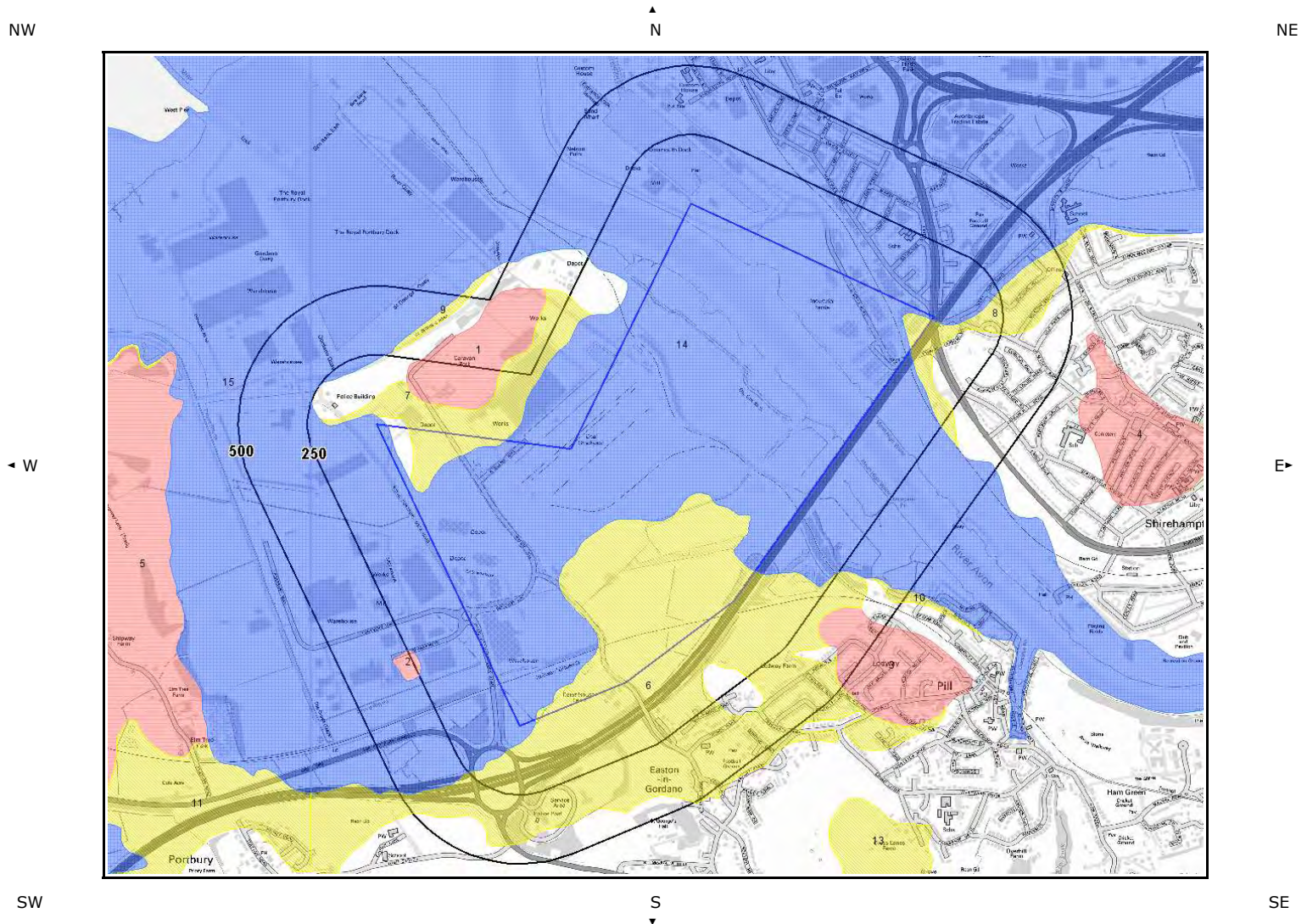
The database has been searched on site, including a 50m buffer.

LEX Code	Description	Rock Type
MMG-MDHA	MERCIA MUDSTONE GROUP	MUDSTONE AND HALITE-STONE

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

For more detailed geological and ground stability data please refer to the "GroundSure Geology and Ground Stability Report". Available from our website.

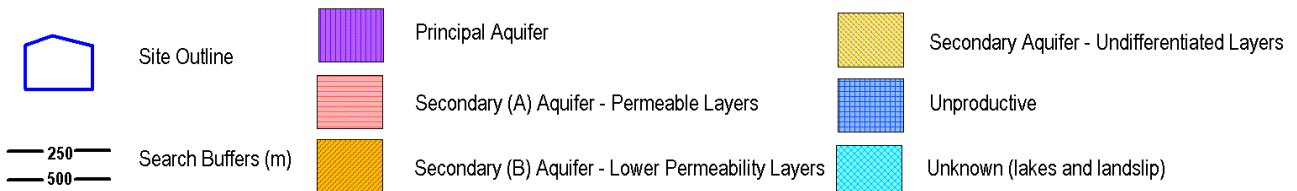
6a. Hydrogeology - Aquifer Within Superficial Geology



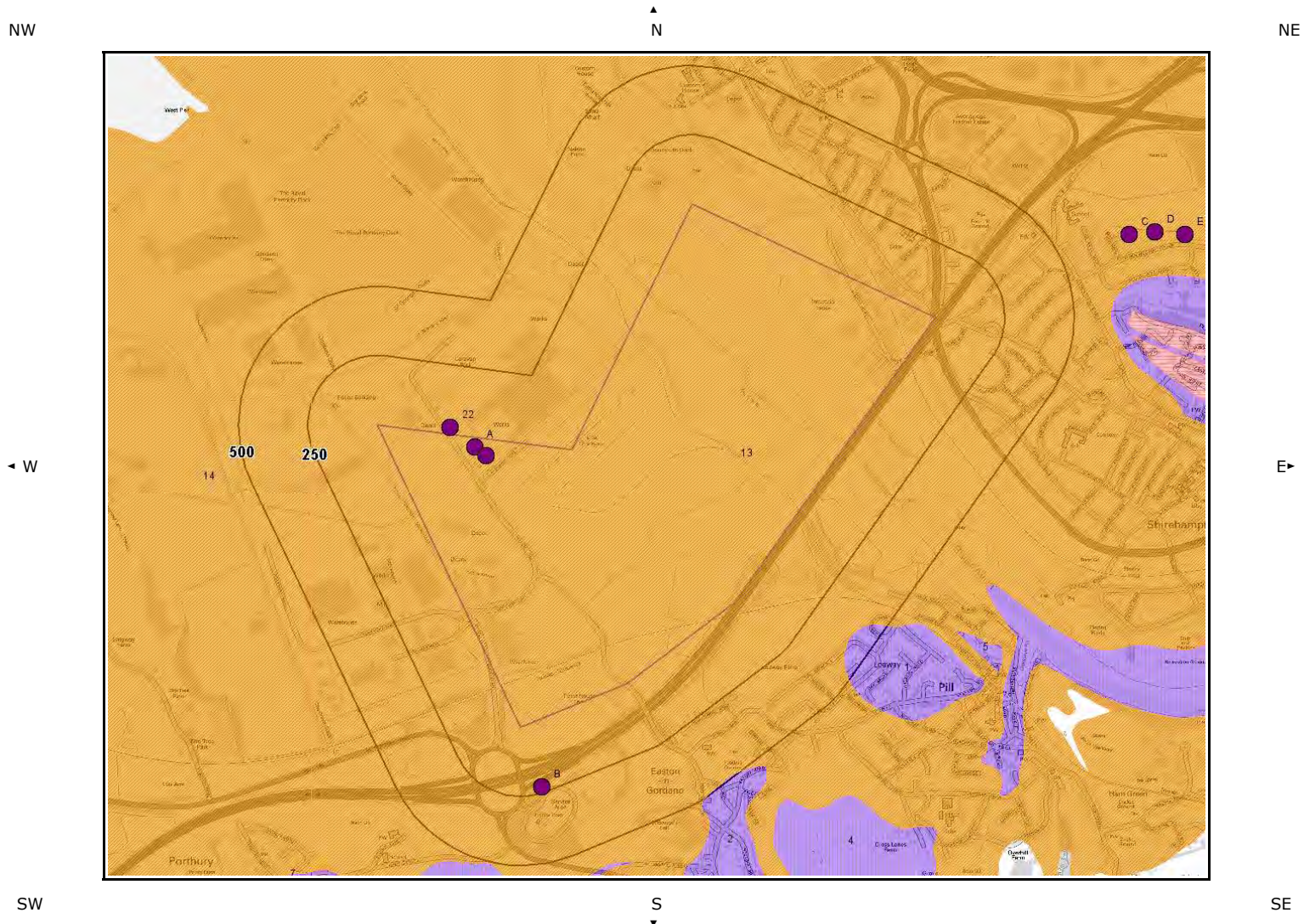
Aquifer Within Superficial Geology Legend

Mapping sourced from
OS Ordnance Survey

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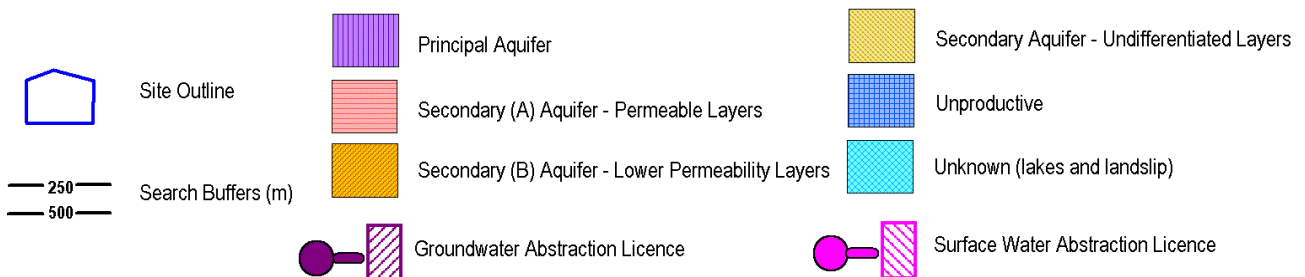
6b. Hydrogeology - Aquifer Within Bedrock Geology and Abstraction Licenses



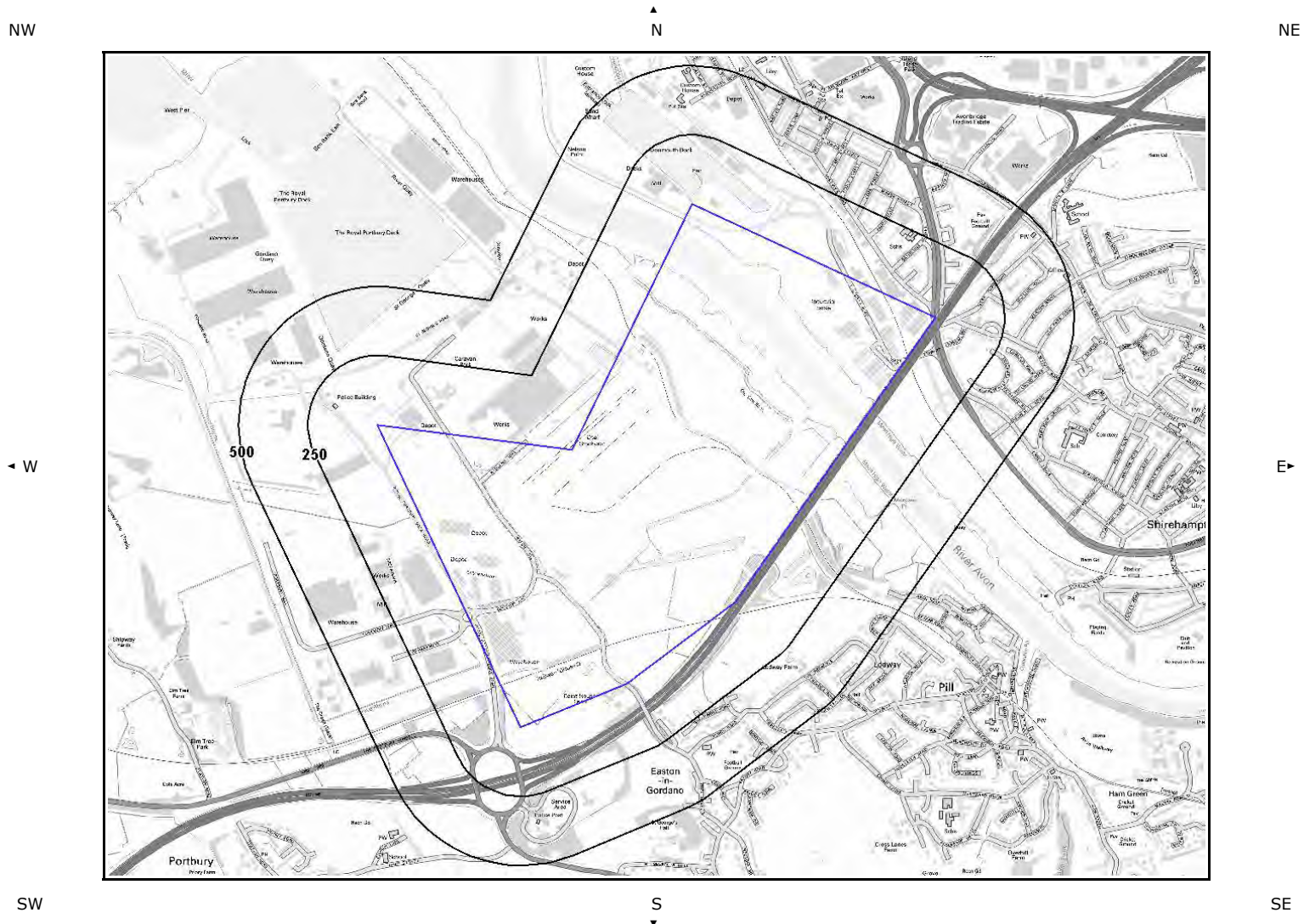
Aquifer Within Bedrock Geology Legend



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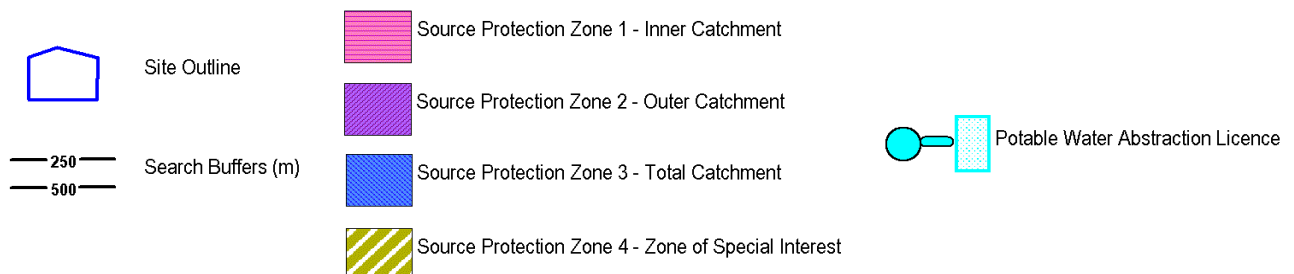
6c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licenses



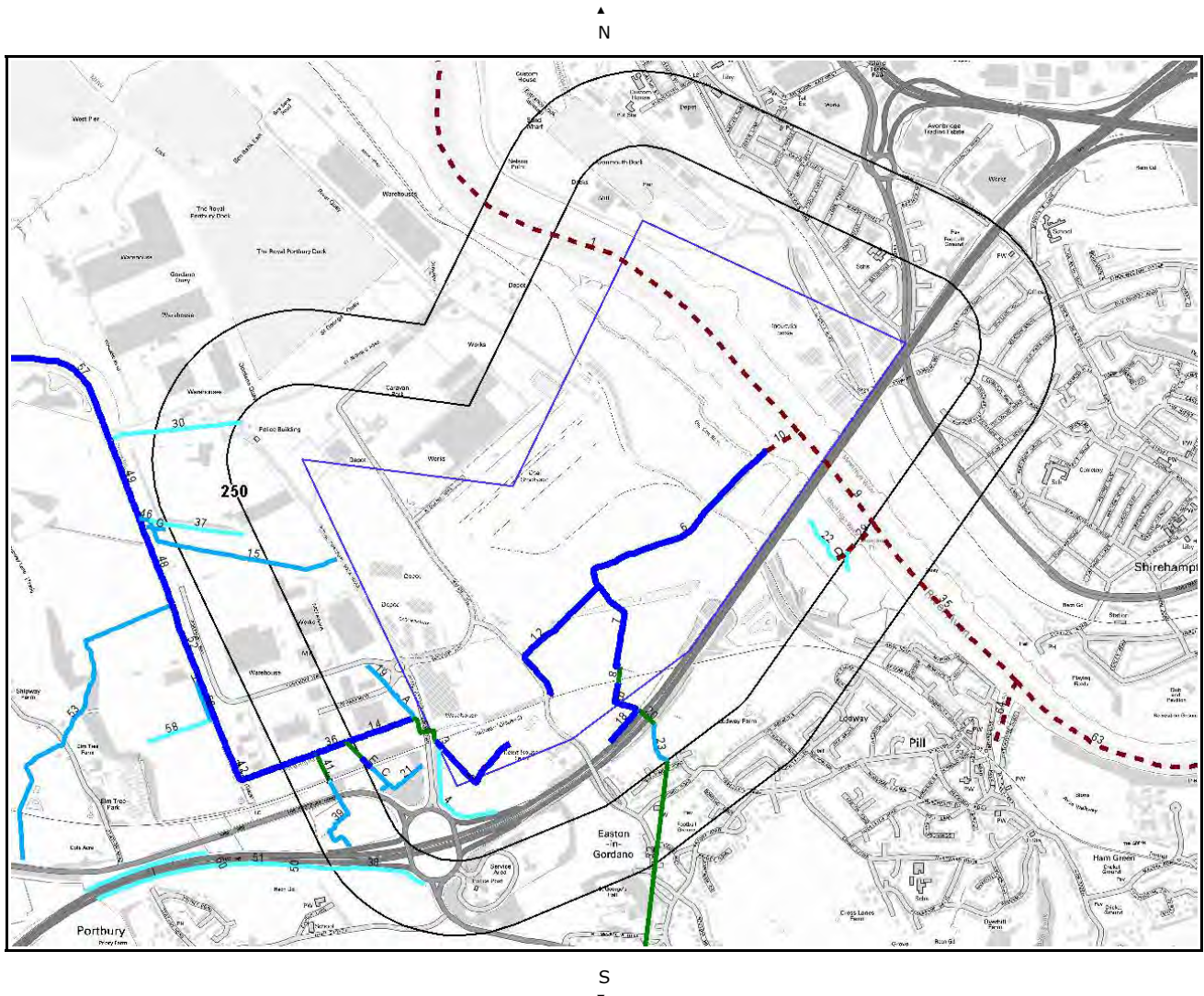
SPZ and Potable Water Abstraction Licenses
Legend



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6d. Hydrology – Detailed River Network and River Quality



Hydrology Legend



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