

Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Swansea Docks Location: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0051556 Permit Version: 1 Effective Date: 18th September 1987 Revocation Date: 29th September 1992 Discharge Type: Unspecified Discharge: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p> <p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Swansea Docks Location: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0055906 Permit Version: 1 Effective Date: 21st January 1993 Revocation Date: 21st October 1992 Discharge Type: Non Water Company (Private) Sewage Discharge: Not Supplied Receiving Water: Saline Estuary Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A14NW (E)	508	2	267900 192900
26	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Swansea Docks Location: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0055906 Permit Version: 1 Effective Date: 21st January 1993 Revocation Date: 21st October 1992 Discharge Type: Non Water Company (Private) Sewage Discharge: Not Supplied Receiving Water: Saline Estuary Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A7NE (SW)	533	2	266900 192000
28	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Swansea Docks Location: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0055906 Permit Version: 1 Effective Date: 18th September 1987 Revocation Date: 20th January 1993 Discharge Type: Unspecified Discharge: Not Supplied Receiving Water: Tawe Estuary Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A7NE (SW)	533	2	266900 192000
28	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Swansea Docks Location: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0055906 Permit Version: 1 Effective Date: 18th September 1987 Revocation Date: 20th January 1993 Discharge Type: Unspecified Discharge: Not Supplied Receiving Water: Tawe Estuary Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A7NE (SW)	533	2	266900 192000

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27	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Ferryport Marshalling Area Location: Natural Resources Wales Catchment Area: Stream S9-S9 Reference: Bp0055904 Permit Version: 1 Effective Date: 12th January 1993 Revocation Date: 8th November 1996 Discharge Type: Unspecified Discharge: Not Supplied Receiving Water: Tawe Estuary Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p> <p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Swansea Docks Location: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0055918 Permit Version: 1 Effective Date: 18th September 1987 Revocation Date: 18th November 1992 Discharge Type: Unspecified Discharge: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A12SE (W)	533	2	268720 192300
28	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Swansea Docks Location: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0055918 Permit Version: 1 Effective Date: 18th September 1987 Revocation Date: 18th November 1992 Discharge Type: Unspecified Discharge: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A12NE (NW)	536	2	266800 192700
28	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Swansea Docks Location: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151371 Permit Version: 1 Effective Date: 18th September 1987 Revocation Date: 18th November 1992 Discharge Type: Unspecified Discharge: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A12NE (NW)	536	2	266800 192700
29	<p>Discharge Consents</p> <p>Operator: British Coal Corporation Property Type: Undefined Or Other Location: Sept Tank @ Coal Sampling Lab Kings, Kings Dock-Abandoned Catchment Area: Natural Resources Wales Reference: Bp1130601 Permit Version: 1 Effective Date: 5th October 1976 Revocation Date: 5th October 1992 Discharge Type: Unspecified Discharge: Not Supplied Receiving Water: Docks - Kings Dock, Swansea Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A15SW (NE)	540	2	267700 192800

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30	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Support Services - Sea Transport Location: Marine Control Building, Swansea D, Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: BP0055807 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 11th January 1993 Discharge Type: Unspecified Discharge: Not Supplied Environment: River Tawe Estuary Receiving Water: River Tawe Estuary Status: Authorisation revoked/revoked Positional Accuracy: Located by supplier to within 100m</p> <p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Support Services - Sea Transport Location: Marine Control Building, Swansea D, Swansea Docks Authority: Environment Agency, Welsh Region Catchment Area: River Tawe Reference: BP0055807 Permit Version: 2 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 11th January 1993 Discharge Type: Unspecified Discharge: Not Supplied Environment: River Tawe Estuary Receiving Water: River Tawe Estuary Status: Authorisation revoked/revoked Positional Accuracy: Located by supplier to within 100m</p>	A12SE (SW)	542	2	266800 192100
30	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Support Services - Sea Transport Location: Marine Control Building, Swansea D, Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: BP0055807 Permit Version: 2 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 11th January 1993 Discharge Type: Unspecified Discharge: Not Supplied Environment: River Tawe Estuary Receiving Water: River Tawe Estuary Status: Authorisation revoked/revoked Positional Accuracy: Located by supplier to within 100m</p>	A12SE (SW)	542	3	266800 192100
30	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Support Services - Sea Transport Location: Marine Control Building, Swansea D, Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: BP0055841 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 12th October 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Swansea Docks Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A12SE (SW)	542	2	266800 192100
30	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Support Services - Sea Transport Location: Marine Control Building, Swansea D, Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: BP0055807 Permit Version: 3 Effective Date: 12th October 1982 Issued Date: 12th October 1982 Revocation Date: Not Supplied Discharge Type: Unspecified Discharge: Not Supplied Environment: Saline Estuary Receiving Water: River Tawe Estuary Status: New Consent, by Application (Water Resources Act 1991, Section 48) Positional Accuracy: Located by supplier to within 100m</p>	A12SE (SW)	542	2	266800 192100
30	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Support Services - Sea Transport Location: Marine Control Building, Swansea D, Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: BP0055807 Permit Version: 2 Effective Date: 12th January 1993 Issued Date: 12th January 1993 Revocation Date: 12th October 1982 Discharge Type: Not Supplied Discharge: Not Supplied Environment: Sewage Discharges - Final/Treated Effluent - Not Water Company Receiving Water: Tawe Estuary Status: New Consent, by Application (Water Resources Act 1991, Section 48) Positional Accuracy: Located by supplier to within 100m</p>	A12SE (SW)	542	2	266800 192100

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30	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: BP0151384 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 23rd September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Swansea Docks Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p> <p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: BP0151387 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 18th November 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Swansea Docks Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A12SE (SW)	542	2	266800 192100
30	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Support Services - Sea Transport Location: Marine Control Building, Swansea D, Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: BP0055807 Permit Version: 3 Effective Date: 12th October 1982 Issued Date: 12th October 1982 Revocation Date: Not Supplied Discharge Type: Unspecified Discharge: Not Supplied Environment: Saline Estuary Receiving Water: River Tawe Estuary Status: New Consent, by Application (Water Resources Act 1991, Section 48) Positional Accuracy: Located by supplier to within 100m</p>	A12SE (SW)	559	2	266800 192070
31	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Support Services - Sea Transport Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: BP0055805 Permit Version: 2 Effective Date: 12th January 1993 Issued Date: 12th January 1993 Revocation Date: 12th October 1982 Discharge Type: Not Supplied Discharge: Not Supplied Environment: Sewage Discharges - Final/Treated Effluent - Not Water Company Receiving Water: Tawe Estuary Status: New Consent, by Application (Water Resources Act 1991, Section 48) Positional Accuracy: Located by supplier to within 100m</p>	A12SE (W)	548	2	266730 192230

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31	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Support Services - Sea Transport Location: Ferryport Terminal Building Swans, Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0053533 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 11th January 1993 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Tawe Estuary Status: Authorisation revoked/Revoked Positional Accuracy: Located by supplier to within 100m</p>	A12SE (W)	587	2	265700 192200
31	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Support Services - Sea Transport Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0055805 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 11th January 1993 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Tawe Estuary Status: Authorisation revoked/Revoked Positional Accuracy: Located by supplier to within 100m</p>	A12SE (W)	587	2	265700 192200
32	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Support Services - Sea Transport Location: Ferryport Terminal Building Swans, Swansea Docks Authority: Natural Resources Wales Catchment Area: Stream SS-58 Reference: Bp0055904 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 11th January 1993 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Tawe Estuary Status: Authorisation revoked/Revoked Positional Accuracy: Located by supplier to within 100m</p>	A12SE (W)	589	2	265700 192300
33	<p>Discharge Consents</p> <p>Operator: Cemex UK Materials Ltd Property Type: Ready Mixed Concrete Location: Swansea Batching Plant, Kings Dock, Tarmac Western Limited Ready Mix Concrete Plant, Kings Dock Swansea Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0300101 Permit Version: 1 Effective Date: 24th October 2002 Issued Date: 24th October 2002 Revocation Date: Not Supplied Discharge Type: Site Damage Discharge Environment: Controlled Sea Receiving Water: Kings Dock Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A19SW (NE)	569	2	267793 192766

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34	<p>Discharge Consents</p> <p>Operator: Max Recovery (Holdings) Ltd Property Type: Trade (Unknown/Other) Location: Cuba Press Site, Queens Dock, Swansea, S31 8qn Authority: Natural Resources Wales Catchment Area: Not Given Reference: Bp0035601 Permit Version: 1 Effective Date: 9th August 1984 Issued Date: 9th August 1984 Revocation Date: 31st October 1996 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Into Land Receiving Water: To Land Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m</p>	ASNW (SW)	569	2	267330 191630
35	<p>Discharge Consents</p> <p>Operator: Max Recovery (Holdings) Ltd Property Type: Trade (Unknown/Other) Location: Cuba Press Site Kings Dock Swansea Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bp0039602 Permit Version: 1 Effective Date: 9th August 1984 Issued Date: 9th August 1984 Revocation Date: 15th March 1993 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Left Bank Of Tidal River Tawe Status: Consent expired Positional Accuracy: Located by supplier to within 10m</p>	A7NE (SW)	591	2	266810 191920
36	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151370 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 18th September 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A7SE (NW)	596	2	266800 192800
37	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Support Services - Sea Transport Location: Ferryport Terminal Building Swans, Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0053533 Permit Version: 2 Effective Date: 12th January 1993 Issued Date: 12th October 1992 Revocation Date: 8th November 1996 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Tawe Estuary Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A12SE (W)	614	2	266700 192130

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37	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Support Services - Sea Transport Location: Harbour Office Lockhead Kings Dock, Lockhead Kings Dock Swansea Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0126401 Permit Version: 1 Effective Date: 6th June 1989 Issued Date: 6th June 1989 Revocation Date: Not Supplied Discharge Type: Unspecified Discharge Environment: Freshwater Stream/River Receiving Water: River Tawe Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p> <p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Support Services - Sea Transport Location: Harbour Office Lockhead Kings Dock, Lockhead Kings Dock Swansea Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0055836 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 12th October 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A12SE (SW)	528	2	265700 192100
37	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Support Services - Sea Transport Location: Harbour Office Lockhead Kings Dock, Lockhead Kings Dock Swansea Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0055836 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 12th October 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A12SE (SW)	528	2	265700 192100
38	<p>Discharge Consents</p> <p>Operator: Dwr Cymru Cynryngedig Property Type: Discharge Networks - Sewers - Water Company Location: Port Talbot Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: B05112401 Permit Version: 1 Effective Date: 21st October 1989 Issued Date: 20th October 1989 Revocation Date: 14th March 1994 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Un-Named Stream Status: Consent expired Positional Accuracy: Located by supplier to within 10m</p>	A18SE (N)	514	2	257550 192580
39	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks - M Shed Wharf D Authority: Natural Resources Wales Catchment Area: Swansea Docks Reference: Bp0055810 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 12th October 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A19SW (NE)	668	2	267900 192800

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39	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks - M Shed Wharf D Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0055867 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 12th October 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A18SW (NE)	668	2	267900 192800
39	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks - M Shed Wharf D Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0055891 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 12th October 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A19SW (NE)	668	2	267900 192800
39	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks - M Shed Wharf D Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0055892 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 12th October 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A19SW (NE)	668	2	267900 192800
39	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks - M Shed Wharf D Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0055993 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 12th October 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A19SW (NE)	668	2	267900 192800

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39	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks - M Shed Wharf D Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0055894 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 12th October 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Localised by supplier to within 100m</p>	A18SW (NE)	668	2	267900 192800
39	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks - M Shed Wharf D Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0055895 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 12th October 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Localised by supplier to within 100m</p>	A18SW (NE)	668	2	267900 192800
39	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks - M Shed Wharf D Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0055896 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 12th October 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Localised by supplier to within 100m</p>	A18SW (NE)	668	2	267900 192800
39	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks - M Shed Wharf D Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0055897 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 12th October 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Localised by supplier to within 100m</p>	A18SW (NE)	668	2	267900 192800

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39	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks - M Shed Wharf D Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0055898 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 12th October 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Localised by supplier to within 100m</p>	A18SW (NE)	668	2	267900 192800
40	<p>Discharge Consents</p> <p>Operator: Bp Chemicals Ltd Property Type: Mineral Oil Processing Location: Queens Dock Shipping Terminal Swa Swansea Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0256602 Permit Version: 2 Effective Date: 18th December 1995 Issued Date: 18th December 1995 Revocation Date: 8th February 2002 Discharge Type: Trade Effluent Discharge: Not Supplied Environment: Not Supplied Receiving Water: Estuarial Waters Of Queens Dock Status: Revoked Positional Accuracy: Localised by supplier to within 100m</p>	A14SE (E)	695	2	268100 192200
40	<p>Discharge Consents</p> <p>Operator: Bp Chemicals Ltd Property Type: Mineral Oil Processing Location: Queens Dock Shipping Terminal Swa Swansea Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0256602 Permit Version: 1 Effective Date: 2nd October 1995 Issued Date: 2nd October 1995 Revocation Date: 18th December 1996 Discharge Type: Trade Effluent Discharge: Not Supplied Environment: Not Supplied Receiving Water: Estuarial Waters Of Queens Dock Status: Authorisation revoked/revoked Positional Accuracy: Localised by supplier to within 100m</p>	A14SE (E)	695	2	268100 192200
41	<p>Discharge Consents</p> <p>Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Outfall W The Tawe Barrage Swans Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0164001 Permit Version: 1 Effective Date: 1st January 1901 Issued Date: 1st January 1901 Revocation Date: 7th February 1991 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Tawe Estuary Status: Authorisation revoked/revoked Positional Accuracy: Localised by supplier to within 10m</p>	A12NW (W)	696	2	266500 192300

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42	<p>Discharge Consents</p> <p>Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Swansea Marina Barrage Sso Relocall, Relocation Authority: Natural Resources Wales Catchment Area: River Tawe Reference: BP0218901 Permit Version: 1 Effective Date: 28th October 1992 Issued Date: 26th October 1992 Revocation Date: Not Supplied Discharge Type: Public Sewage, Storm Sewage Overflow Discharge: Saline Estuary Environment: River Tawe Estuary Receiving Water: River Tawe Estuary Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m</p> <p>Discharge Consents</p> <p>Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Outfall 'M' The Tawe Barrage Swans, The Tawe Barrage Swansea Authority: Natural Resources Wales Catchment Area: River Tawe Reference: BP0237413 Permit Version: 1 Effective Date: 1st January 1998 Issued Date: 12th December 1996 Revocation Date: Not Supplied Discharge Type: Public Sewage, Storm Sewage Overflow Discharge: Saline Estuary Environment: River Tawe Estuary Receiving Water: River Tawe Estuary Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m</p>	A12NW (W)	722	2	266548 192575
42	<p>Discharge Consents</p> <p>Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Outfall 'M' The Tawe Barrage Swans, The Tawe Barrage Swansea Authority: Natural Resources Wales Catchment Area: River Tawe Reference: BP0237413 Permit Version: 1 Effective Date: 1st January 1998 Issued Date: 12th December 1996 Revocation Date: Not Supplied Discharge Type: Public Sewage, Storm Sewage Overflow Discharge: Saline Estuary Environment: River Tawe Estuary Receiving Water: River Tawe Estuary Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m</p>	A12NW (W)	755	2	266515 192560
42	<p>Discharge Consents</p> <p>Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Outfall 'M' The Tawe Barrage Swans, The Tawe Barrage Swansea Authority: Natural Resources Wales Catchment Area: River Tawe Reference: BP0164001 Permit Version: 2 Effective Date: 8th February 1991 Issued Date: 12th October 1992 Revocation Date: Not Supplied Discharge Type: Unspecified Discharge: Not Supplied Environment: Tawe Estuary Receiving Water: Tawe Estuary Status: Consent expired Positional Accuracy: Located by supplier to within 10m</p>	A12NW (W)	755	2	266515 192560
43	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: BP0151365 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 23rd September 1987 Revocation Date: 23rd September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Swansea Docks Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A17SE (NW)	740	2	266800 193000

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: BP0151365 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 23rd September 1987 Revocation Date: 23rd September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Swansea Docks Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p> <p>Discharge Consents</p> <p>Operator: Spontex Ltd. Property Type: Pulp, Paper & Board Location: Spontex Ltd, Nicholas Quay Marill, St Nicholas Quay Maritime Quarter, Maritime Quay Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bc0005601 Permit Version: 1 Effective Date: 22nd November 1966 Issued Date: 22nd November 1966 Revocation Date: 30th January 1992 Discharge Type: Trade Effluent Discharge: Not Supplied Environment: Not Supplied Receiving Water: River Tawe Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A12NW (W)	751	2	266500 192400
45	<p>Discharge Consents</p> <p>Operator: Williams H & Son (Roofing) Ltd Property Type: Undefined Or Other Location: Pier Head Yard South Dock Swansea Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bc0025301 Permit Version: 1 Effective Date: 11th September 1989 Issued Date: 11th September 1989 Revocation Date: 22nd December 1993 Discharge Type: Unspecified Discharge: Not Supplied Environment: To Land Receiving Water: Not Supplied Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p> <p>Discharge Consents</p> <p>Operator: Williams H & Son (Roofing) Ltd Property Type: Undefined Or Other Location: Pier Head Yard South Dock Swansea Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bc0025301 Permit Version: 1 Effective Date: 11th September 1989 Issued Date: 11th September 1989 Revocation Date: 31st January 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: To Land Receiving Water: Not Supplied Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A12NW (W)	756	2	266500 192500
45	<p>Discharge Consents</p> <p>Operator: Williams H & Son (Roofing) Ltd Property Type: Undefined Or Other Location: Pier Head Yard South Dock Swansea Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bc0025301 Permit Version: 1 Effective Date: 11th September 1989 Issued Date: 11th September 1989 Revocation Date: 31st January 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: To Land Receiving Water: Not Supplied Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A12NW (W)	756	2	266500 192500

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	<p>Discharge Consents</p> <p>Operator: Associated British Ports Priority Type: Support Services - Sea Transport Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: Stream 59-59 Reference: Bp015345 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 18th November 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A14NE (NE)	772	2	268100 192700
46	<p>Discharge Consents</p> <p>Operator: Associated British Ports Priority Type: Support Services - Sea Transport Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: Stream 59-59 Reference: Bp005814 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 10th September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A14NE (NE)	772	2	268100 192700
46	<p>Discharge Consents</p> <p>Operator: Associated British Ports Priority Type: Support Services - Sea Transport Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151341 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 29th September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A14NE (NE)	772	2	268100 192700
46	<p>Discharge Consents</p> <p>Operator: Associated British Ports Priority Type: Support Services - Sea Transport Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151342 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 29th September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A14NE (NE)	772	2	268100 192700

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	<p>Discharge Consents</p> <p>Operator: Associated British Ports Priority Type: Support Services - Sea Transport Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151343 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 29th September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A14NE (NE)	772	2	268100 192700
46	<p>Discharge Consents</p> <p>Operator: Associated British Ports Priority Type: Support Services - Sea Transport Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151344 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 29th September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A14NE (NE)	772	2	268100 192700
46	<p>Discharge Consents</p> <p>Operator: Associated British Ports Priority Type: Support Services - Sea Transport Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151345 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 29th September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A14NE (NE)	772	2	268100 192700
46	<p>Discharge Consents</p> <p>Operator: Associated British Ports Priority Type: Support Services - Sea Transport Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151346 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 29th September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A14NE (NE)	772	2	268100 192700



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Support Services - Sea Transport Location: Swansea Docks Authority: Natural Resources Wales Reference: Bp0151349 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 29th September 1987 Revocation Date: 10th September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A14NE (NE)	772	2	268100 192700
46	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Support Services - Sea Transport Location: Swansea Docks Authority: Natural Resources Wales Reference: Bp0151350 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 10th September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A14NE (NE)	772	2	268100 192700
46	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Support Services - Sea Transport Location: Swansea Docks Authority: Natural Resources Wales Reference: Bp0151351 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 10th September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A14NE (NE)	772	2	268100 192700
46	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Support Services - Sea Transport Location: Swansea Docks Authority: Natural Resources Wales Reference: Bp0151352 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 10th September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A14NE (NE)	772	2	268100 192700



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Support Services - Sea Transport Location: Swansea Docks Authority: Natural Resources Wales Reference: Bp0151353 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 10th September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A14NE (NE)	772	2	268100 192700
46	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Support Services - Sea Transport Location: Swansea Docks Authority: Natural Resources Wales Reference: Bp0151354 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 10th September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A14NE (NE)	772	2	268100 192700
46	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Support Services - Sea Transport Location: Swansea Docks Authority: Natural Resources Wales Reference: Bp0151355 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 10th September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A14NE (NE)	772	2	268100 192700
47	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Reference: Stream 59-59 Permit Version: Bp0055903 Effective Date: 18th September 1987 Issued Date: 18th November 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A12NW (W)	805	2	268500 192700

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
47	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151382 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 2nd October 1995 Discharge Type: Unspecified Discharge Status: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A12NW (W)	805	2	266500 192700
47	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0055828 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 18th November 1992 Discharge Type: Unspecified Discharge Status: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A12NW (W)	805	2	266500 192700
47	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151380 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 2nd October 1995 Discharge Type: Unspecified Discharge Status: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A12NW (W)	805	2	266500 192700
47	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151381 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 2nd October 1995 Discharge Type: Unspecified Discharge Status: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A12NW (W)	805	2	266500 192700

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
47	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151382 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 2nd October 1995 Discharge Type: Unspecified Discharge Status: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A12NW (W)	805	2	266500 192700
47	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: Stream 59-59 Reference: Bp0151385 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 2nd October 1995 Discharge Type: Unspecified Discharge Status: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A12NW (W)	805	2	266500 192700
47	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: Stream 59-59 Reference: Bp0055803 Permit Version: 1 Effective Date: 1st January 1901 Issued Date: 1st January 1901 Revocation Date: 18th September 1987 Discharge Type: Unspecified Discharge Status: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Authorisation revoked/Revoked Positional Accuracy: Located by supplier to within 100m</p>	A12NW (W)	805	2	266500 192700
45	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151382 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 29th September 1992 Discharge Type: Unspecified Discharge Status: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A17SE (NW)	806	2	268700 193000

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	Discharge Consents Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151363 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 23rd September 1992 Revocation Date: 12th October 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	806	2	256700 133000
48	Discharge Consents Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151364 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 23rd September 1992 Revocation Date: 12th October 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	806	2	256700 133000
49	Discharge Consents Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0055664 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 12th October 1982 Revocation Date: 12th October 1982 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	824	2	268100 192800
49	Discharge Consents Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0055669 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 12th October 1992 Revocation Date: 12th October 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	824	2	268100 192800

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
49	Discharge Consents Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151301 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 12th October 1982 Revocation Date: 12th October 1982 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	824	2	268100 192800
49	Discharge Consents Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151302 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 12th October 1982 Revocation Date: 12th October 1982 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	824	2	268100 192800
49	Discharge Consents Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151303 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 12th October 1982 Revocation Date: 12th October 1982 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	824	2	268100 192800
49	Discharge Consents Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151304 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 12th October 1982 Revocation Date: 12th October 1982 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	824	2	268100 192800

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
49	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: Bp0151305 Reference: 1 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 15th October 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A19SE (NE)	824	2	268100 192800
49	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151306 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 15th October 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A19SE (NE)	824	2	268100 192800
49	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151307 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 15th October 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A19SE (NE)	824	2	268100 192800
49	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151308 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 15th October 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A19SE (NE)	824	2	268100 192800

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
49	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151305 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 15th October 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A19SE (NE)	824	2	268100 192800
49	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151310 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 15th October 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A19SE (NE)	824	2	268100 192800
49	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: Stream 59-59 Reference: Bp0151311 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 15th October 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A19SE (NE)	824	2	268100 192800
49	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: Stream 59-59 Reference: Bp0151312 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 15th October 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A19SE (NE)	824	2	268100 192800

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
49	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151337 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 8th September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p> <p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151338 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 8th September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A19SE (NE)	824	2	268100 192800
49	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151339 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 8th September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A19SE (NE)	824	2	268100 192800
49	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151340 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 29th September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A19SE (NE)	824	2	268100 192800

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151372 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 25th September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p> <p>Discharge Consents</p> <p>Operator: Cory Bros Property Type: Undefined Or Other Location: Kings Rd Swansea, Kings Rd Swansea Docks Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bnd012401 Permit Version: 1 Effective Date: 28th January 1981 Issued Date: 28th January 1981 Revocation Date: 2nd July 1984 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: To Land Status: Consent expired Positional Accuracy: Located by supplier to within 10m</p>	A17SW (NW)	846	2	266500 192800
51	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151559 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 25th September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A17SW (NW)	878	2	266800 193000
51	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151560 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 18th November 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A17SW (NW)	878	2	266800 193000

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151317 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 29th September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired</p> <p>Positional Accuracy: Located by supplier to within 100m</p>	A17SW (NW)	878	2	266500 193000
52	<p>Discharge Consents</p> <p>Operator: Dwr Cymru Cyfngedig Property Type: Sewerage Network - Sewers - Water Company Location: Pt 95 Western Tce S'Sea Authority: Natural Resources Wales Catchment Area: Not Given Reference: Bp0213801 Permit Version: 1 Effective Date: 20th October 1989 Issued Date: 20th October 1989 Revocation Date: 10th July 2001 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Canal Status: Consent expired</p> <p>Positional Accuracy: Located by supplier to within 100m</p>	A19NW (NE)	896	2	267110 193220
53	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: Stream 59-59 Reference: Bp0055811 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 12th October 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired</p> <p>Positional Accuracy: Located by supplier to within 100m</p>	A19SE (NE)	908	2	268200 192800
53	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: Stream 59-59 Reference: Bp0151313 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 12th October 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired</p> <p>Positional Accuracy: Located by supplier to within 100m</p>	A19SE (NE)	908	2	268200 192800

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
53	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151314 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 15th October 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired</p> <p>Positional Accuracy: Located by supplier to within 100m</p>	A19SE (NE)	908	2	268200 192800
53	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151315 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 15th October 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired</p> <p>Positional Accuracy: Located by supplier to within 100m</p>	A19SE (NE)	908	2	268200 192800
53	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151316 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 12th October 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired</p> <p>Positional Accuracy: Located by supplier to within 100m</p>	A19SE (NE)	908	2	268200 192800
53	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151317 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 12th October 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired</p> <p>Positional Accuracy: Located by supplier to within 100m</p>	A19SE (NE)	908	2	268200 192800

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
53	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: Bp0151318 Reference: 1 Permit Version: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 15th October 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Swansea Docks Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p> <p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: Stream 59-59 Reference: Bp0151319 Permit Version: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 15th October 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Swansea Docks Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A19SE (NE)	908	2	268200 192800
53	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: Stream 59-59 Reference: Bp0151320 Permit Version: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 15th October 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Swansea Docks Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A19SE (NE)	908	2	268200 192800
53	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: Stream 59-59 Reference: Bp0151321 Permit Version: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 15th October 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Swansea Docks Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A19SE (NE)	908	2	268200 192800

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
53	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151322 Permit Version: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 15th October 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Swansea Docks Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p> <p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151323 Permit Version: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 15th October 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Swansea Docks Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A19SE (NE)	908	2	268200 192800
53	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151324 Permit Version: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 15th October 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Swansea Docks Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A19SE (NE)	908	2	268200 192800
53	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151325 Permit Version: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 15th October 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Swansea Docks Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A19SE (NE)	908	2	268200 192800

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
53	Discharge Consents Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: Stream 59-59 Permit Version: Bp0151326 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 15th October 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	908	2	268200 192800
53	Discharge Consents Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151327 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 15th October 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	908	2	268200 192800
53	Discharge Consents Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151328 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 15th October 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	908	2	268200 192800
53	Discharge Consents Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: Stream 59-59 Permit Version: Bp0151335 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 15th October 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	908	2	268200 192800
53	Discharge Consents Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151328 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 15th October 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	908	2	268200 192800

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
53	Discharge Consents Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Permit Version: Bp0151330 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 15th October 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	908	2	268200 192800
53	Discharge Consents Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Bp0151331 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 12th October 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	908	2	268200 192800
53	Discharge Consents Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: Stream 59-59 Permit Version: Bp0151335 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 15th October 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	908	2	268200 192800
53	Discharge Consents Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks Authority: Natural Resources Wales Catchment Area: River Tawe Permit Version: Bp0151328 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 15th October 1992 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	908	2	268200 192800

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
53	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks - Drainage From Natural Resources Wales Authority: Natural Resources Wales Reference: Bp0151347 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 29th September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p> <p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks - Drainage From Natural Resources Wales Authority: Natural Resources Wales Reference: Bp0151348 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 29th September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A19SE (NE)	908	2	268200 192800
53	<p>Discharge Consents</p> <p>Operator: The Corporation Of Trinity House Property Type: Domestic & Industrial Tip Location: Trinity House Bury Yard, Swansea Depot, Kings Dock, Swansea, Glamorgan, SA1 1EL Authority: Natural Resources Wales Reference: Not Supplied Permit Version: Not Supplied Effective Date: 23rd July 2009 Issued Date: 23rd July 2009 Revocation Date: Not Supplied Discharge Type: Sewage And Trade Combined - Unspecified Discharge: Saline Estuary Environment: Not Supplied Receiving Water: King'S Dock Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A19SE (NE)	955	2	268242 192820
54	<p>Discharge Consents</p> <p>Operator: Steve Williams Property Type: Sewerage Network - Pumping Station - Others Location: P1 At Swansea Point Development Swn, Swansea Point, Swansea, Wales Authority: Natural Resources Wales Reference: Not Supplied Permit Version: Not Supplied Effective Date: 25th August 2004 Issued Date: 25th August 2004 Revocation Date: Not Supplied Discharge Type: Pumping Station - Not Water Company Discharge: Freshwater Stream/River Environment: Not Supplied Receiving Water: A1on Tawe Via Surface Water Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A11NE (W)	949	2	268318 192594

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks - Drainage From Natural Resources Wales Authority: Natural Resources Wales Reference: Bp0059812 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 12th October 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p> <p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks - Drainage From Natural Resources Wales Authority: Natural Resources Wales Reference: Bp0151332 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 29th September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A19SE (NE)	963	2	268200 192900
55	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks - Drainage From Natural Resources Wales Authority: Natural Resources Wales Reference: Bp0151333 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 29th September 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A19SE (NE)	963	2	268200 192900
55	<p>Discharge Consents</p> <p>Operator: Associated British Ports Property Type: Undefined Or Other Location: Swansea Docks - Drainage From Natural Resources Wales Authority: Natural Resources Wales Reference: Bp0151334 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 15th November 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Not Supplied Receiving Water: Swansea Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m</p>	A19SE (NE)	963	2	268200 192900

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	Discharge Consents Operator: Bp Chemicals Ltd Property Type: Mineral Oil Processing Location: Queens Dock Shipping Terminal Swa, Swansea Authority: Natural Resources Wales Catchment Area: Not Given Permit Version: 2 Effective Date: 19th October 1995 Issued Date: 19th October 1995 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Limit: Same Estuary Receiving Water: Swansea Bay Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	996	2	268300 192800
56	Discharge Consents Operator: Bp Oil Refinery Ltd Property Type: Mineral Oil Processing Location: Queens Dock Shipping Terminal Swa, Swansea Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bc0019201 Permit Version: 1 Effective Date: 1st November 1993 Issued Date: 1st November 1993 Revocation Date: 18th October 1995 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Limit: Not Supplied Receiving Water: Swansea Bay Status: Authorisation superseded Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	996	2	268300 192800
57	Enforcement and Prohibition Notices Location: Cymlyn Burrows, Swansea Permit Reference: Not Given Enforcement Date: Not Given Details: Drain A Fire Water Used To Douse The Flames Was Allowed To Run Into Nearby Coastal Waters - Failure To Prevent This Resulted In The Serving Of The Notice Positional Accuracy: Manually positioned to the road within the address or location	A1BNW (N)	646	3	267222 193071
58	Enforcement and Prohibition Notices Location: Materials Recovery & Energy Centre, Fabian Way, Cymlyn Burrows, Swansea, Mid Glamorgan Permit Reference: Not Given Enforcement Date: Not Supplied Details: Failure To Install Facilities For Measuring Emissions Positional Accuracy: Manually positioned to the road within the address or location	A1BNW (N)	723	3	267089 193126
59	Integrated Pollution Controls Name: Swansea Dry Docks Ltd Location: Prince Of Wales Drydock, SWANSEA, Swansea, SA1 8RX Authority: Environment Agency, Welsh Region Permit Reference: BD5038 Dated: 24th November 1988 Process Type: IPC minor (non-substantial) variation to previous variation Description: 6.5 A (a) Coaling processes and Priming within Miscellaneous Industries Status: Authorisation superseded by a substantial or non substantial variations Positional Accuracy: Automatically positioned to the address	A12SE (SW)	463	3	268994 192063
59	Integrated Pollution Controls Name: Swansea Dry Docks Ltd Location: Prince Of Wales Drydock, SWANSEA, West Glamorgan, SA1 8RX Authority: Environment Agency, Welsh Region Permit Reference: AUR744 Dated: 28th July 1996 Process Type: IPC new application Description: 6.5 A (a) Coaling processes and Priming within Miscellaneous Industries Status: Authorisation superseded by a substantial or non substantial variations Positional Accuracy: Automatically positioned to the address	A12SE (SW)	463	3	268994 192063

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
59	Integrated Pollution Controls Name: Swansea Dry Docks Ltd Location: Prince Of Wales Drydock, SWANSEA, SA1 8RX Authority: Environment Agency, Welsh Region Permit Reference: BF1246 Dated: 28th January 1989 Process Type: IPC minor (non-substantial) variation to previous variation Description: 6.5 A (a) Coaling processes and Priming within Miscellaneous Industries Status: Authorisation superseded by a substantial or non substantial variations Positional Accuracy: Automatically positioned to the address	A12SE (SW)	464	3	266834 192062
60	Integrated Pollution Prevention and Control Name: Neath Port Talbot Recycling Ltd Location: Cymlyn Burrows Materials Recycling And Energy Ctr, Materials Recovery And Energy, Bafon Crescent, Cymlyn Burrows, Neath, SA1 8PZ Authority: Natural Resources Wales Permit Reference: B8520W Effective Date: 15th May 2004 Status: Superseded By Variation Application Type: Variation Positional Accuracy: Manually positioned within the geographical locality Activity Code: 5.1 A1(1)(D) Activity Description: Hazardous Waste Unless Otherwise Stated Primary Activity: Y	A18SE (N)	337	2	267398 192748
61	Integrated Pollution Prevention and Control Name: Neath Port Talbot Recycling Ltd Location: Cymlyn Burrows Materials Recycling And Energy Ctr, Materials Recovery & Energy, Cymlyn Burrows, Swansea, SA1 8PZ Authority: Natural Resources Wales Permit Reference: Up3432zh Effective Date: 15th November 2005 Status: Superseded By Variation Application Type: Variation App Sub Type: Minor Positional Accuracy: Manually positioned within the geographical locality Activity Code: 5.1 A1(1)(D) Activity Description: Hazardous Waste Unless Otherwise Stated Primary Activity: Y	A13SW (NE)	819	2	267900 193000
62	Local Authority Pollution Prevention and Controls Name: Alp Location: Graigola Wharf, Kings Dock, Swansea, Sa Authority: Swansea Bay Port Health Authority Permit Reference: E2/8/R Dated: 28th January 1993 Process Type: Local Authority Pollution Prevention and Control Description: PG3/5 Coal, coke and coal product processes Status: Permitted Positional Accuracy: Manually positioned within the geographical locality	A13NW (N)	210	4	267321 192636
63	Local Authority Pollution Prevention and Controls Name: Bfs Location: 4 Quay (West), Kings Dock, Swansea Authority: Swansea Bay Port Health Authority Permit Reference: E2/8/R Dated: 3rd May 2005 Process Type: Local Authority Pollution Prevention and Control Description: PG3/5 Coal, coke and coal product processes Status: Permitted Positional Accuracy: Manually positioned within the geographical locality	A13NE (NE)	233	4	267479 192681
64	Local Authority Pollution Prevention and Controls Name: Cemex UK Location: Kings Dock, Swansea Authority: Swansea Bay Port Health Authority Permit Reference: E2/8/R Dated: 1st August 2002 Process Type: Local Authority Pollution Prevention and Control Description: PG3/Blending, packing, loading and use of bulk cement Status: Permitted Positional Accuracy: Manually positioned within the geographical locality	A18SE (NE)	368	4	267515 192720

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
65	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Abp Location: Kings Dock, Swansea Authority: Swansea Bay Port Health Authority Permit Reference: E2/8/H Dated: 28th January 2001 Process Type: Local Authority Pollution Prevention and Control Description: PG3/5 Coal, coke and coal product processes Status: Permitted Positional Accuracy: Manually positioned within the geographical locality</p> <p>Local Authority Pollution Prevention and Controls</p> <p>Name: Abp Location: D Shed Wharf, Kings Dock, Swansea Authority: Swansea Bay Port Health Authority Permit Reference: E2/8/H Dated: 28th January 1997 Process Type: Local Authority Pollution Prevention and Control Description: PG3/5 Coal, coke and coal product processes Status: Permitted Positional Accuracy: Manually positioned within the geographical locality</p>	A18SE (NE)	436	4	267633 192720
65	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Abp Location: D Shed Wharf, Kings Dock, Swansea Authority: Swansea Bay Port Health Authority Permit Reference: E2/8/H Dated: 28th January 1997 Process Type: Local Authority Pollution Prevention and Control Description: PG3/5 Coal, coke and coal product processes Status: Permitted Positional Accuracy: Manually positioned within the geographical locality</p>	A18SE (NE)	436	4	267633 192720
66	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Slenec Location: RIO Rose Wharf, Kings Dock, Swansea Authority: Swansea Bay Port Health Authority Permit Reference: E2/8/U Dated: 9th October 2006 Process Type: Local Authority Pollution Prevention and Control Description: G3/16 Mobile screening and crushing processes Status: Permitted Positional Accuracy: Manually positioned within the geographical locality</p>	A14NW (NE)	438	4	267771 192598
67	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Associated British Ports Location: Kings Dock, Swansea Docks, SWANSEA, West Glamorgan, SA1 8QU Authority: City and County of Swansea, Environmental Health Department Permit Reference: 30th September 1992 Process Type: Local Authority Air Pollution Control Description: PG3/5 Coal, coke and coal product processes Status: Authorisation revoked/Revoked Positional Accuracy: Manually positioned within the geographical locality</p>	A19SW (NE)	609	5	267811 192403
68	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Petrol Express Location: Fabian Way, Port Tennant, SWANSEA, West Glamorgan, SA1 8LD Authority: City and County of Swansea, Environmental Health Department Permit Reference: NOT GIVEN Process Type: Not Supplied Description: PG3/14 Petrol filling station Status: Authorised Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	678	5	267215 193102
69	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Hanson Aggregates South Wales Ltd Location: Swansea Premix Plant, Langdon Road, SWANSEA, West Glamorgan, SA1 8QY Authority: City and County of Swansea, Environmental Health Department Permit Reference: S01/Poll/MW/1385 Dated: 14th March 1995 Process Type: Local Authority Air Pollution Control Description: PG3/16 Blending, packing, loading and use of bulk cement Status: Authorised Positional Accuracy: Manually positioned to the road within the address or location</p>	A17SE (NW)	695	5	266930 193031
70	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Tocaex Burrows Service Station Location: Fabian Way, Port Tennant, SWANSEA, West Glamorgan, SA1 8PA Authority: City and County of Swansea, Environmental Health Department Permit Reference: S01/Tocaex/1385 Dated: 28th October 1998 Process Type: Local Authority Air Pollution Control Description: PG3/14 Petrol filling station Status: Authorised Positional Accuracy: Manually positioned to the address or location</p>	A18NE (NE)	722	5	267663 193047

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
71	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Swansea Container Terminal Location: F Berth, Kings Dock, Swansea, SA1 8QT Authority: Swansea Bay Port Health Authority Permit Reference: E2/8/A Dated: 28th January 1993 Process Type: Local Authority Pollution Prevention and Control Description: PG3/5 Coal, coke and coal product processes Status: Permitted Positional Accuracy: Manually positioned to the address or location</p>	A14NE (E)	904	4	268251 192690
72	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Premier Cement Ltd Location: 4 Quay (North East), Kings Dock, Swansea Authority: Swansea Bay Port Health Authority Permit Reference: E2/8/S Dated: 21st December 2005 Process Type: Local Authority Pollution Prevention and Control Description: PG3/16 Blending, packing, loading and use of bulk cement Status: Permitted Positional Accuracy: Manually positioned within the geographical locality</p>	A19SE (NE)	996	4	268252 192882
72	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Premier Cement Ltd Location: 6 Quay, Kings Dock, Swansea, SA1 8QT Authority: Swansea Bay Port Health Authority Permit Reference: E2/8/D Dated: 28th January 1993 Process Type: Local Authority Pollution Prevention and Control Description: PG3/16 Blending, packing, loading and use of bulk cement Status: Permitted Positional Accuracy: Manually positioned to the address or location</p> <p>Nearest Surface Water Feature</p>	A19SE (NE)	996	4	268252 192882
73	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Cause of Incident: Oil Leaking From Ship, Called Dubul In Queens Dock, SWANSEA Authority: Environment Agency, Welsh Region Pollutant: Heavy Fuel Oil Note: Boundary Of Ha 58 & Ha 60; Leakage Incident Date: 28th April 1988 Incident Reference: 35486 Cause of Incident: Not Given Cause of Incident: Not Given Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A13SW (SW)	43	3	267300 192300
74	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Boats/Ships Cause of Incident: Swansea Docks, SWANSEA Authority: Environment Agency, Welsh Region Pollutant: Sewage - Septic Tank Effluent Note: Accidental Spillage/Leakage Incident Date: 4th April 1995 Incident Reference: 23760 Cause of Incident: Not Given Cause of Incident: Not Given Cause of Incident: Spillage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A6NW (S)	304	3	267300 192000
74	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Boats/Ships Cause of Incident: Swansea Docks, SWANSEA Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: Accidental Spillage/Leakage Incident Date: 4th April 1995 Incident Reference: 23760 Cause of Incident: Not Given Cause of Incident: Not Given Cause of Incident: Spillage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A6NW (S)	309	3	267300 191995

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Map ID	Details	Quadrant Reference Distance (Compass Direction)	Estimated Distance From Site	Contact	NGR
75	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: SWANSEA Authority: Environment Agency, Welsh Region Pollutant: Unknown Incident Date: 7th September 1991 Incident Reference: 1372 Catchment Area: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p>	A13SW (SW)	321	3	267000 192200
76	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Boats/Ships Location: Kings Dock, SWANSEA Authority: Environment Agency, Welsh Region Pollutant: Paint/Soap Suds Incident Date: 14th April 1992 Incident Reference: 4051 Catchment Area: Not Given Cause of Incident: Burst Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A12SE (W)	365	3	266900 192300
77	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Boats/Ships Location: Kings Dock, SWANSEA Authority: Environment Agency, Welsh Region Pollutant: Paint/Soap Suds Incident Date: 25th April 1996 Incident Reference: 28440 Catchment Area: Not Given Cause of Incident: Spillage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A12SE (W)	404	3	266900 192200
77	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Kings Dock, SWANSEA Authority: Environment Agency, Welsh Region Pollutant: Not Supplied Incident Date: 25th April 1996 Incident Reference: 28440 Catchment Area: Not Given Cause of Incident: Spillage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A12SE (W)	407	3	266900 192195
78	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Kings Dock, SWANSEA Authority: Environment Agency, Welsh Region Pollutant: Not Supplied Incident Date: 25th April 1996 Incident Reference: 28440 Catchment Area: Not Given Cause of Incident: Spillage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A18SW (NW)	413	3	267100 192800
79	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Kings Dock, SWANSEA Authority: Environment Agency, Welsh Region Pollutant: Not Supplied Incident Date: 11th April 1996 Incident Reference: 27878 Catchment Area: Not Given Cause of Incident: Spillage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	ABNW (S)	493	3	267100 191600

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Map ID	Details	Quadrant Reference Distance (Compass Direction)	Estimated Distance From Site	Contact	NGR
80	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Waste Handling Facilities Location: Tank Farm, Cuba Buildings Authority: Environment Agency, Welsh Region Pollutant: Farm Effluent/Slurry Incident Date: 17th June 1991 Incident Reference: 30418 Catchment Area: Not Given Cause of Incident: Leakage Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p>	A7NE (SW)	536	3	266000 191995
81	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: At Ferry Port Buildings, SWANSEA Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Incident Date: 14th August 1997 Incident Reference: 33223 Catchment Area: Not Given Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A12SE (W)	560	3	266700 192000
82	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Originaling in Swansea Docks, Carried By Tide To Port Talbot Authority: Environment Agency, Welsh Region Pollutant: Algae Incident Date: 31st May 1997 Incident Reference: 32402 Catchment Area: Not Given Cause of Incident: Natural Causes Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A7NE (SW)	681	3	266700 192000
83	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Near A R C Batching Plant Authority: Environment Agency, Welsh Region Pollutant: Accidental Spillage/Leakage Incident Date: 26th July 1996 Incident Reference: 30672 Catchment Area: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A7NW (W)	941	3	266400 192000
84	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, Welsh Region Pollutant: Farm Effluent/Slurry Incident Date: 23rd October 1996 Incident Reference: 30418 Catchment Area: Not Given Cause of Incident: Vandalism Incident Severity: Category 1 - Major Incident Positional Accuracy: Located by supplier to within 100m</p>	A11NE (W)	988	3	266305 192895
84	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Wansda Marina, SWANSEA Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Incident Date: 23rd October 1996 Incident Reference: 30418 Catchment Area: Not Given Cause of Incident: Leakage Incident Severity: Category 1 - Major Incident Positional Accuracy: Located by supplier to within 100m</p>	A11NE (W)	989	3	266305 192700

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
84	<p>Pollution Incidents to Controlled Waters</p> <p>Priority Type: Not Given Location: Ynys-y-Capel, DEW Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Date: 9th June 1996 Incident Date: 28/07 Incident Reference: Not Given Cause of Incident: Natural Causes Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A16SE (W)	991	3	265305 192705
84	<p>Pollution Incidents to Controlled Waters</p> <p>Priority Type: Not Given Location: Marina, SWANSEA Authority: Environment Agency, Welsh Region Pollutant: Light Oil Date: 14th November 1991 Incident Reference: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p>	A11NE (W)	993	3	266300 192895
84	<p>Pollution Incidents to Controlled Waters</p> <p>Priority Type: Not Given Location: Yacht Club, Car Park, Strand Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Date: 9th June 1996 Incident Reference: Not Given Cause of Incident: Natural Causes Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p>	A11NE (W)	994	3	266300 192700
85	<p>River Quality</p> <p>Name: Not Supplied GA Grade: Unclassified Total River Risk: Not Supplied Estimated Distance: Not Supplied Flow Rate: Not Supplied Flow Type: Not Supplied Year: 1985</p>	A12SW (W)	720	3	266555 192206
85	<p>Substantiated Pollution Incident Register</p> <p>Authority: Natural Resources Wales Incident Date: 19th April 2011 Incident Reference: 17437 Cause of Incident: Category 2 - Significant Incident Water Impact: Category 4 - No Impact Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m</p>	A17SW (NW)	666	2	266605 192988
86	<p>Water Abstractions</p> <p>Operator: J.W. Aquaculture Ltd Licence Number: 22559/10120 Location: Scherzer Passage, King's Dock, Swansea Authority: Environment Agency, Welsh Region Abstraction Type: Aquaculture: Fish Farm/Cross Pond Throughflow Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A13SE (S)	109	3	267350 192190

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
86	<p>Water Abstractions</p> <p>Operator: J.W. Aquaculture Ltd Licence Number: 22559/10120 Location: Scherzer Passage, King's Dock, Swansea Authority: Environment Agency, Welsh Region Abstraction Type: Aquaculture: Fish Farm/Cross Pond Throughflow Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A13SE (S)	109	3	267350 192190
86	<p>Water Abstractions</p> <p>Operator: J.W. Aquaculture Ltd Licence Number: 22559/10120 Location: Scherzer Passage, King's Dock, Swansea Authority: Environment Agency, Welsh Region Abstraction Type: Aquaculture: Fish Farm/Cross Pond Throughflow Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 February Authorised End: 31 May Permit Start Date: 1st April 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A13SE (S)	109	3	267350 192190
86	<p>Water Abstractions</p> <p>Operator: J.W. Aquaculture Ltd Licence Number: 22559/10120 Location: Scherzer Passage, King's Dock, Swansea Authority: Environment Agency, Welsh Region Abstraction Type: Aquaculture: Make-Up or Top Up Water Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A13SE (S)	109	3	267350 192190
87	<p>Water Abstractions</p> <p>Operator: Swansea City Council Licence Number: 22559/10106 Location: River Tawe Barrage Scheme Authority: Natural Resources Wales Abstraction Type: Production Of Electricity: Hydroelectric Power Generation Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A12NW (W)	760	2	266530 192650

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
Water Abstractions					
Operation Number: W4059/0001/015	National Waterfront Museum Swansea	A11NW (W)	1411	2	265651 192591
Location: South Dock, Swansea Marina - Pier A					
Authority: Environment Agency, Welsh Region					
Abstraction Type: Other Industrial/Commercial/Public Services: Non-Evaporative Cooling					
Source: Water may be abstracted from a single point					
Daily Rate (m3): Not Supplied					
Daily Rate (m3): Not Supplied					
Authorized Start: 01 May					
Authorized End: 30 September					
Permit Start Date: 10th April 2014					
Permit End Date: Not Supplied					
Positional Accuracy: Located by supplier to within 10m					
Water Abstractions					
Operation Number: 22/59/10124	National Museums & Galleries Of Wales	A11NW (W)	1412	3	265650 192590
Location: South Dock, Swansea Marina					
Authority: Environment Agency, Welsh Region					
Abstraction Type: Other Industrial/Commercial/Public Services: Non-Evaporative Cooling					
Source: Water may be abstracted from a single point					
Daily Rate (m3): Not Supplied					
Daily Rate (m3): Not Supplied					
Authorized Start: 01 May					
Authorized End: 30 September					
Permit Start Date: 10th April 2014					
Permit End Date: Not Supplied					
Positional Accuracy: Located by supplier to within 10m					
Water Abstractions					
Operation Number: 22/59/10124	National Museums & Galleries Of Wales	A11NW (W)	1412	3	265650 192590
Location: South Dock, Swansea Marina					
Authority: Environment Agency, Welsh Region					
Abstraction Type: Other Industrial/Commercial/Public Services: Non-Evaporative Cooling					
Source: Water may be abstracted from a single point					
Daily Rate (m3): Not Supplied					
Daily Rate (m3): Not Supplied					
Authorized Start: 01 January					
Authorized End: 31 December					
Permit Start Date: 16th April 2004					
Permit End Date: Not Supplied					
Positional Accuracy: Located by supplier to within 10m					
Water Abstractions					
Operation Number: 22/59/10124	National Waterfront Museum Swansea	A11NW (W)	1412	3	265650 192590
Location: South Dock, Swansea Marina					
Authority: Environment Agency, Welsh Region					
Abstraction Type: Other Industrial/Commercial/Public Services: Non-Evaporative Cooling					
Source: Water may be abstracted from a single point					
Daily Rate (m3): Not Supplied					
Daily Rate (m3): Not Supplied					
Authorized Start: 01 January					
Authorized End: 31 December					
Permit Start Date: 16th April 2004					
Permit End Date: Not Supplied					
Positional Accuracy: Located by supplier to within 10m					
Groundwater Vulnerability					
Soil Classification: Not classified					
Map Sheet: Sheet 35 West Glamorgan					
Scale: 1:100,000					
Groundwater Vulnerability					
Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise					
Map Sheet: Sheet 35 West Glamorgan					
Scale: 1:100,000					

Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
Drift Deposits					
None					
Bedrock Aquifer Designations					
Aquifer Designation: Secondary Aquifer - A		A13SW (NW)	0	1	267333 192363
Superficial Aquifer Designations					
Aquifer Designation: Unknown		A13SW (NW)	0	1	267333 192363
Extreme Flooding from Rivers or Sea without Defences					
Type: Flood Plan Type: Tidal Models		A13SW (SW)	0	2	267322 192346
Flood Plan Type: Tidal Models					
Boundary Accuracy: As Supplied					
Flooding from Rivers or Sea without Defences					
Type: Plain Type: Tidal Models		A13SW (SW)	0	2	267322 192346
Flood Plan Type: Tidal Models					
Boundary Accuracy: As Supplied					
Area Benefiting from Flood Defences					
None					
Flood Water Storage Areas					
None					
Flood Defences					
None					
OS Water Network Lines					
Watercourse Form: Tidal river		A12SW (W)	646	6	266442 192176
Watercourse Length: 951.2					
Watercourse Level: On ground surface					
Permanent: True					
Watercourse Name: Afon Tawe					
Catchment Name: Not Supplied					
Primacy: 1					
OS Water Network Lines					
Watercourse Form: Inland river		A12NW (W)	791	6	266466 192113
Watercourse Length: 73.1					
Watercourse Level: On ground surface					
Permanent: True					
Watercourse Name: Afon Tawe					
Catchment Name: Tawe					
Primacy: 1					
OS Water Network Lines					
Watercourse Form: Inland river		A12NW (W)	844	6	266450 192677
Watercourse Length: 501.1					
Watercourse Level: On ground surface					
Permanent: True					
Watercourse Name: Afon Tawe					
Catchment Name: Tawe					
Primacy: 1					
OS Water Network Lines					
Watercourse Form: Inland river		A12NW (W)	844	6	266450 192677
Watercourse Length: 501.1					
Watercourse Level: On ground surface					
Permanent: True					
Watercourse Name: Afon Tawe					
Catchment Name: Tawe					
Primacy: 1					

Waste

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
92	<p>Licensed Waste Management Facilities (Locations)</p> <p>License Number: AB3194FB Location: EPS Alternative Fuels Ltd, King's Dock, Swansea, SA1 8QT Operator Name: EPS Alternative Fuels Limited Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Special Waste Transfer Stations Licence Status: Issued Issued: 10th August 2016 Last Modified: 22nd March 2017 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A13NE (E)	32	2	267408 192384
93	<p>Licensed Waste Management Facilities (Locations)</p> <p>License Number: JP3198FJ Location: Anglia Wharf, Swansea Docks, Swansea, SA1 1QR Operator Name: Senior Environmental Services Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Special Waste Transfer Stations Licence Status: Effective Issued: 1st March 2017 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A13NE (E)	236	2	267640 192420
93	<p>Licensed Waste Management Facilities (Locations)</p> <p>License Number: 34290 Location: Senior Environmental Ltd, Swansea Docks, Swansea, SA1 1QR Operator Name: Senior Environmental Services Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Special Waste Transfer Stations Licence Status: Issued Issued: 28th June 2007 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A13NE (E)	236	2	267640 192420
94	<p>Licensed Waste Management Facilities (Locations)</p> <p>License Number: 34065 Location: Kings Dock, Swansea, SA1 8QU Operator Name: Carleton Treatments Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Special Waste Transfer Stations Licence Status: Expired Issued: 1st March 1979 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A13NW (W)	266	2	267000 192500
95	<p>Licensed Waste Management Facilities (Locations)</p> <p>License Number: 990140 Location: Glass Tech Recycling Ltd, Kings Dock, Swansea, SA1 8RU Operator Name: Glass Tech Recycling Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Material Recycling Treatment Facilities Licence Status: Issued Issued: 4th August 2015 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Manually positioned within the geographical locality</p>	A14SE (N)	201	2	267360 192711

Waste

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
96	<p>Licensed Waste Management Facilities (Locations)</p> <p>License Number: 102459 Location: Swansea Dry Docks, Swansea, SA1 1LY Operator Name: Swansea Drydocks Limited Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Material Recycling Sites (Mixed) Licence Status: Modified Issued: 19th December 2011 Last Modified: 2nd July 2015 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A13SW (SW)	392	2	267000 192700
97	<p>Licensed Waste Management Facilities (Locations)</p> <p>License Number: 34177 Location: Associated British Ports Harbour, Lockhead, Kings Dock, Swansea, SA1 1QR Operator Name: Associated British Ports Holdings PLC Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Special Waste Transfer Stations Licence Status: Surrendered Issued: 1st January 2000 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A12NE (NW)	402	2	268885 192578
98	<p>Licensed Waste Management Facilities (Locations)</p> <p>License Number: 34007 Location: Queens Dock, Swansea, SA1 9XX Operator Name: Carleton Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Physico-chemical Treatment Facilities Licence Status: Expired Issued: 30th August 1984 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A8NW (SW)	611	2	267000 191800
99	<p>Licensed Waste Management Facilities (Locations)</p> <p>License Number: JB31359A Location: E P S Scrap Export Facility, Kings Dock, Swansea Docks, Swansea, West Operator Name: E P S Materials Recovery Limited Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Material Recycling Sites (Mixed) Licence Status: Expired Issued: 5th September 2016 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A14NE (E)	687	2	268040 192830

Waste

Map ID	Details			Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
99	<p>Licensed Waste Management Facilities (Locations)</p> <p>License Number: 102057 Location: Swansea Container Terminal, Kings Dock, Swansea Docks, Swansea, SA1 8QT</p> <p>Operator Name: E P S Materials Recovery Limited Operator Location: Not Supplied</p> <p>Authority: Natural Resources Wales</p> <p>Site Category: Metal recycling site</p> <p>License Status: Transferred Date of Mapping: 2010</p> <p>Site Category: Not Supplied License Status: Not Supplied</p> <p>Exp's: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied</p> <p>PPF Reference: Not Supplied Personal Accuracy: Located by supplier to within 10m</p>			A14NE (E)	687	2	268040 192630
100	<p>Licensed Waste Management Facilities (Locations)</p> <p>License Number: 104394 Location: Wood Export Facility, F Berth, Kings Docks, Swansea, SA1 8QT</p> <p>Operator Name: E P S Materials Recovery Ltd Operator Location: Not Supplied</p> <p>Authority: Natural Resources Wales</p> <p>Site Category: Transfer of waste wood <75000 lps</p> <p>License Status: Issued Date of Mapping: 15th August 2012</p> <p>Site Category: Not Supplied License Status: Not Supplied</p> <p>Exp's: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied</p> <p>PPF Reference: Not Supplied Personal Accuracy: Located by supplier to within 10m</p>			A14NE (E)	619	2	268154 192677
101	<p>Licensed Waste Management Facilities (Locations)</p> <p>License Number: 34176 Location: Associated British Ports Harbour, Kings Dock, Swansea, SA1 1QR</p> <p>Operator Name: Associated British Ports Holdings Plc Operator Location: Not Supplied</p> <p>Authority: Natural Resources Wales</p> <p>Site Category: Special Waste Transfer Stations</p> <p>License Status: Surrendered Date of Mapping: 21st March 2000</p> <p>Site Category: Not Supplied License Status: Not Supplied</p> <p>Exp's: Not Supplied Suspended: Not Supplied Revoked: Not Supplied</p> <p>Surrendered: 13th August 2002 PPF Reference: Not Supplied Personal Accuracy: Located by supplier to within 10m</p>			A17SW (NW)	677	2	268492 192649
102	<p>Local Authority Landfill Coverage</p> <p>Name: City and County of Swansea Description: - Has no landfill data to supply</p> <p>Potentially Infilled Land (Non-Water)</p> <p>Beeling Ref: W Use: Unknown Filled Ground (Plt, quarry etc) Date of Mapping: 1995</p>			A12NW (W)	618	-	268440 192516
103	<p>Potentially Infilled Land (Non-Water)</p> <p>Beeling Ref: N Use: Unknown Filled Ground (Plt, quarry etc) Date of Mapping: 1989</p>			A23SW (N)	967	-	267309 193395
104	<p>Potentially Infilled Land (Water)</p> <p>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1990</p>			A13SW (NW)	0	-	267353 192365
105	<p>Potentially Infilled Land (Water)</p> <p>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1984</p>			A13NE (N)	1	-	267335 192428
106	<p>Potentially Infilled Land (Water)</p> <p>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1996</p>			A16SE (NE)	349	-	267495 192711
107	<p>Potentially Infilled Land (Water)</p> <p>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1984</p>			A18SW (N)	364	-	267260 192627

Waste

Map ID	Details			Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
108	Potentially Infilled Land (Water)	Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)	Date of Mapping: 1938	A18SE (N)	557	-	267570 193945
109	Potentially Infilled Land (Water)	Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)	Date of Mapping: 1980	A12NW (W)	745	-	265906 192416
110	Potentially Infilled Land (Water)	Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)	Date of Mapping: 1921	A12NW (W)	955	-	268333 192674
111	Potentially Infilled Land (Water)	Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)	Date of Mapping: 1938	A23SW (N)	990	-	267145 193398
112	Registered Waste Transfer Sites	Licence Holder: Associated British Ports Holdings Plc Site Name: Swansea Docks, SWANSEA, West Glamorgan, SA1 1QR Site Location: 150 Holborn, LONDON, Greater London, EC1N 2LR Operator: Environment, Agency Wales, South West Area Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Site dormant Licence Status: 1st January 2000 Controlled By: Not Given Licence: Not Given Superseded By: Not Given Licence: Manually positioned to the address or location Positional Accuracy: Not Supplied Boundary Quality: Not Supplied Authorised Waste: Hazardous Wastes - Which May (Both) Be Categorised As Green Lix: Wastes And Inert Materials (As In Post98 E A Lixs And Equivalent To 21 00 00) Maximum Waste Permitted By Licence: Metal Waste/Scrap Metal (As In Post98 E A Lixs And Equivalent To 23 00 00) Metal Wastes (As In Esp 1990 Sub C Of 1990 Regs)	A12NE (NW)	419	3	266895 192650	
	Prohibited Waste	Household/Commercial/Industrial Waste A1 - 80 C Liquid Wastes Metallic With Haz Code H 1 - Explosive Metallic With Haz Code H 2 - Oxidising Metallic With Haz Code H 3a - Corrosive Metallic With Haz Code H 3b - Flammable Metallic With Haz Code H 9 - Infectious Other Waste/Waste Not Otherwise Specified Readily Degradable Household/Commercial/Industrial Waste Sludges Special Waste Pressurised Gases In Containers					

Waste

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
113	<p>Registered Waste Transfer Sites</p> <p>Licence Holder: Associated British Ports Holdings Plc Site Location: SWANSEA, Prince of Wales Dock, Prince of Wales Dock Road, Swansea Docks, SWANSEA, West Glamorgan, SA1 1QR Operator Location: 150 Holborn, LONDON, Greater London, EC1N 2LR Authority: Environment Agency Wales, South West Area Site Category: Transfer Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Site not yet claimed Dated: 21st March 2000 Licence Status: Not Given Preceded By: Not Given Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Amber List Wastes And Green List Wastes And Inert Materials (As In Part 98 E.A. Lic And Equivalent To 21.00.00) Maximum Waste Permitted By Licence: 25,000 Tpa (As In Part 98 E.A. Lic And Equivalent To 23.00.00) Prohibited Waste: Special Wastes (As In Epa 1980/82/01 1986 Regs) Household/Commercial/Industrial Waste At > 40 C Liquid Wastes Material With Haz Code H 1 - Explosive Material With Haz Code H 2 - Flammable Material With Haz Code H 3 - Corrosive Material With Haz Code H 4 - Irritant Material With Haz Code H 5 - Highly Flammable Material With Haz Code H 6 - Flammable Material With Haz Code H 7 - Corrosive Material With Haz Code H 8 - Infectious Other Waste/Waste Not Otherwise Specified Readily Degradable Household/Commercial/Industrial Waste Sludges Special Wastes Special Waste Pressurised Gases In Containers</p>	A17SE (NW)	596	3	256800 192800
114	<p>Registered Waste Treatment or Disposal Sites</p> <p>Licence Holder: Carleton Group Ltd Site Location: L1/2 Operator Location: Cuba Press Site, Queens Dock, Swansea, West Glamorgan, SA1 9QU Authority: Environment Agency Wales, South West Area Site Category: Transfer - with treatment Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Site Closed Dated: 30th March 1978 Licence Status: Not Given Preceded By: Not Given Licence: Not Given Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Max Waste From Fees/Charges Oil/Water Mixtures Highly Flammable/Low Regs 72 Subs Percussive/Explosive/Similar Waste Special Wastes Solid Control, Radioactive Solids Act60 Waste NOS</p>	A12NE (W)	401	3	256850 192410

Waste

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
115	<p>Registered Waste Treatment or Disposal Sites</p> <p>Licence Holder: Carleton Group Ltd Site Location: L1/2 Operator Location: Area A Cuba Buildings, Queens Dock, SWANSEA, West Glamorgan, SA1 9XX Authority: Environment Agency Wales, South West Area Site Category: Transfer Max Input Rate: Large (Equal to or greater than 25,000 and less than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Site Closed Dated: 1st May 1989 Licence Status: Not Given Preceded By: Not Given Licence: Not Given Positional Accuracy: Approximate location provided by supplier Boundary Quality: Not Supplied Authorised Waste: Controlled Wastes - Bagged/Containers Controlled Wastes - Bulk Waste Controlled Wastes - Liquids Controlled Wastes - Sludges Max Waste From Fees/Charges</p>	A8NW (SW)	532	3	267000 191800
115	<p>Registered Waste Treatment or Disposal Sites</p> <p>Licence Holder: Max Recovery Ltd Site Location: L1/2 Operator Location: Cuba Press Site, Queens Dock, Swansea, West Glamorgan, SA1 9QU Authority: Environment Agency Wales, South West Area Site Category: Transfer - with treatment Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Record superseded Dated: 1st August 1984 Licence Status: Not Given Preceded By: Not Given Licence: Not Given Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Fats, Waxes And Greases Fuel Oil Kerosene And Derv. Max Storage Of Liquids Max Storage Of Non-Haz Ind. Sludge Mineral Oils Oil Interceptor Pit Wastes Oil/Water Mixtures Tank Cleaning Sludge Vegetable And Other Oils</p>	A8NW (SW)	571	3	267000 191850

Hazardous Substances

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
116	Explosive Sites Name: Associated British Ports Location: Harbour Offices, Lockhead, Kings Dock, SWANSEA SA1 Status: Not Active Positional Accuracy: Manually positioned within the geographical locality	A12SE (W)	449	7	266831 192243
117	Planning Hazardous Substance Consents Name: Associated British Ports Location: Phoenix Wharf, Kings Dock, Swansea Authority: City and County of Swansea, Planning Department Application Ref: 2017/1644 Hazardous Substance: Potassium nitrate based fertilisers which conform to the Fertilisers Regulations 1981 (where nitrogen content is more than 28% by weight) Maximum Quantity: 0 Application date: 12th October 2001 Decision: Withdrawn Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	261	3	267134 192150
118	Planning Hazardous Substance Consents Name: B P Blumen Location: Queen's Dock, SWANSEA, West Glamorgan, SA1 8QR Authority: Neath Port Talbot County Borough Council, Planning Department Application Ref: PH5/003 Hazardous Substance: Part C Flammable Substance (Not in Parts A&B), Liquefied petroleum gas Status: Field at >1.4 bar where amount held is greater than or equal to 25 tonnes Maximum Quantity: 0 Application date: Not Supplied Decision: Deemed consent granted between June 1992 and November 1992/Granted Positional Accuracy: Manually positioned within the geographical locality	A14NE (E)	899	3	268283 192584

Geological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625 000 Solid Geology Description: Pennine Middle Coal Measures Formation And South Wales Middle Coal Measures Formation (Undifferentiated)	A13SW (NW)	0	1	267333 192363
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Concentration: 25 - 35 mg/kg Arsenic Concentration: <1.8 mg/kg Cadmium Concentration: 60 - 90 mg/kg Chromium Concentration: 100 - 200 mg/kg Lead Concentration: 15 - 30 mg/kg Nickel Concentration:	A13SW (NW)	0	1	267333 192363
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Concentration: 25 - 35 mg/kg Arsenic Concentration: <1.8 mg/kg Cadmium Concentration: 60 - 90 mg/kg Chromium Concentration: <100 mg/kg Lead Concentration: 15 - 30 mg/kg Nickel Concentration:	A13NE (NE)	180	1	267500 192500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Concentration: 25 - 35 mg/kg Arsenic Concentration: <1.8 mg/kg Cadmium Concentration: 60 - 90 mg/kg Chromium Concentration: <100 mg/kg Lead Concentration: 15 - 30 mg/kg Nickel Concentration:	A13SW (W)	251	1	267000 192363
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Concentration: 15 - 25 mg/kg Arsenic Concentration: <1.8 mg/kg Cadmium Concentration: 60 - 90 mg/kg Chromium Concentration: 100 - 200 mg/kg Lead Concentration: 15 - 30 mg/kg Nickel Concentration:	A16SW (N)	395	1	267189 192510
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Concentration: 15 - 25 mg/kg Arsenic Concentration: <1.8 mg/kg Cadmium Concentration: 60 - 90 mg/kg Chromium Concentration: <100 mg/kg Lead Concentration: 30 - 45 mg/kg Nickel Concentration:	A8NE (S)	415	1	267502 191899
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Concentration: 15 - 25 mg/kg Arsenic Concentration: <1.8 mg/kg Cadmium Concentration: 60 - 90 mg/kg Chromium Concentration: 100 - 200 mg/kg Lead Concentration: 15 - 30 mg/kg Nickel Concentration:	A9NW (SE)	486	1	267775 192000

Geological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SE (N)	516	1	267500 192301
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A7NE (SW)	555	1	265893 191886
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 35 - 45 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 30 - 45 mg/kg	A14SW (E)	592	1	268000 192363
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 35 - 45 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A14NW (E)	604	1	268000 192500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 35 - 45 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18NE (N)	627	1	267351 193054
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 35 - 45 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14SW (SE)	535	1	268000 192093

Geological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: no data Cadmium Concentration: <1.8 mg/kg Chromium Concentration: no data Lead Concentration: <100 mg/kg Nickel Concentration: no data	A8NW (S)	656	1	267089 191699
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 35 - 45 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18NE (N)	670	1	267500 193065
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SW (W)	693	1	266568 192285
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 50 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18NE (N)	698	1	267552 193072
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: no data Chromium Concentration: 60 - 90 mg/kg Lead Concentration: no data Nickel Concentration: 30 - 45 mg/kg	A8SE (S)	807	1	267500 191500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: no data Cadmium Concentration: <1.8 mg/kg Chromium Concentration: no data Lead Concentration: <100 mg/kg Nickel Concentration: no data	A9SW (SE)	856	1	267725 191300

Geological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
121	<p>BGS Recorded Mineral Sites:</p> <p>Site Name: Prince Of Wales Dock Location: Langdon Road, Swansea, West Glamorgan, SA1 8ay Source: British Geological Survey, National Geoscience Information Service Reference: 10857 Type: Wharf</p> <p>Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary Geology: Marine Deposits Commodity: Marine Sand And Gravel Positional Accuracy: Located by supplier to within 10m</p>	A17SE (NW)	745	1	266790 192350
122	<p>BGS Recorded Mineral Sites:</p> <p>Site Name: Pilot House Gravel Pit Location: Swansea West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156475 Type: Opencast</p> <p>Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary Geology: Blown Sand Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m</p>	A12NW (W)	902	1	265357 192535
	<p>BGS Measured Urban Soil Chemistry</p> <p>Grid: 267290, 192250 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured: 45.10 mg/kg Concentration: Cadmium Measured 4.40 mg/kg Concentration: Chromium Measured 70.80 mg/kg Concentration: Lead Measured 953.90 mg/kg Concentration: Nickel Measured 102.90 mg/kg Concentration:</p>	A13SW (S)	78	1	267290 192250
	<p>BGS Measured Urban Soil Chemistry</p> <p>Grid: 267310, 192800 Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured: 80.40 mg/kg Concentration: Cadmium Measured 6.30 mg/kg Concentration: Chromium Measured 61.60 mg/kg Concentration: Lead Measured 762.30 mg/kg Concentration: Nickel Measured 89.10 mg/kg Concentration:</p>	A16SW (N)	372	1	267310 192800
	<p>BGS Measured Urban Soil Chemistry</p> <p>Grid: 266740, 192350 Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured: 104.00 mg/kg Concentration: Cadmium Measured 8.50 mg/kg Concentration: Chromium Measured 76.70 mg/kg Concentration: Lead Measured 362.50 mg/kg Concentration: Nickel Measured 39.50 mg/kg Concentration:</p>	A12SE (W)	514	1	266740 192350

Geological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 26770 192760 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured: 60.10 mg/kg Cadmium Measured: 7.20 mg/kg Chromium Measured: 58.90 mg/kg Lead Measured: 1147.80 mg/kg Nickel Measured: 66.50 mg/kg Concentration:	A17SE (NW)	595	1	26770 192760
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 26720 193240 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured: 118.00 mg/kg Cadmium Measured: 5.10 mg/kg Chromium Measured: 69.70 mg/kg Lead Measured: 1149.20 mg/kg Nickel Measured: 77.00 mg/kg Concentration:	A18NW (N)	813	1	26720 193240
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 26930 192250 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured: 36.00 mg/kg Cadmium Measured: 3.80 mg/kg Chromium Measured: 75.00 mg/kg Lead Measured: 202.40 mg/kg Nickel Measured: 34.10 mg/kg Concentration:	A14SE (E)	886	1	26930 192250
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 267750 193240 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured: 5.60 mg/kg Cadmium Measured: 69.00 mg/kg Chromium Measured: 907.50 mg/kg Lead Measured: 69.40 mg/kg Nickel Measured: 69.40 mg/kg Concentration:	A19NW (NE)	933	1	267750 193240
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 268300 192740 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured: 403.40 mg/kg Cadmium Measured: 23.50 mg/kg Chromium Measured: 113.70 mg/kg Lead Measured: 6766.10 mg/kg Nickel Measured: 169.20 mg/kg Concentration:	A19SE (E)	969	1	268300 192740

Geological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 26750 193260 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured: 201.30 mg/kg Cadmium Measured: 3.10 mg/kg Chromium Measured: 56.80 mg/kg Lead Measured: 317.70 mg/kg Nickel Measured: 51.90 mg/kg Concentration:	A17NE (NW)	1000	1	266750 193260
	BGS Urban Soil Chemistry Averages Source: British Geological Survey, National Geoscience Information Service Sample Area: Swansea Count: 368 Arsenic Minimum: 8.00 mg/kg Arsenic Maximum: 79.00 mg/kg Arsenic Average: 2161.00 mg/kg Cadmium Minimum: 0.10 mg/kg Cadmium Maximum: 2.90 mg/kg Cadmium Average: 61.90 mg/kg Chromium Minimum: 13.00 mg/kg Chromium Maximum: 72.00 mg/kg Chromium Average: 562.00 mg/kg Lead Minimum: 23.00 mg/kg Lead Maximum: 413.00 mg/kg Lead Average: 1000.00 mg/kg Nickel Minimum: 8.00 mg/kg Nickel Maximum: 52.00 mg/kg Nickel Average: 384.00 mg/kg Concentration:	A13SW (NW)	0	10	267333 192363
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a detailed geological report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13SW (NW)	0		267333 192363
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: One Arup & Partners Boundary Quality: As Supplied	A13SW (NW)	0		267333 192363
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	267333 192363
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	267321 192349
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	267333 192363
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	267333 192363
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	267333 192363

Geological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards				
	Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	267321 192349
	Potential for Running Sand Ground Stability Hazards				
	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	267333 192363
	Potential for Shrinking or Swelling Clay Ground Stability Hazards				
	Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	267333 192363
	Potential for Shrinking or Swelling Clay Ground Stability Hazards				
	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	267321 192349
	Radon Potential - Radon Affected Areas				
	The property is in a lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	267333 192363
	Radon Potential - Radon Protection Measures				
	Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	267333 192363

Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Contemporary Trade Directory Entries				
123	Name: Environmental Practical Solutions Ltd Location: Grog Old Wharf, Kings Dock, Swansea, West Glamorgan, SA1 8QT Classification: Waste Disposal Services Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (N)	52	*	267367 192445
	Contemporary Trade Directory Entries				
124	Name: Swansea Drydocks Location: Prince of Wales Dry Dock, Swansea, SA1 1LY Classification: Marine Engineering Equipment Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	361	*	267408 192770
	Contemporary Trade Directory Entries				
124	Name: E P S Materials Recovery Location: Kings Dock, Swansea, SA1 8QT Classification: Reclamation Centres Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	361	*	267407 192770
	Contemporary Trade Directory Entries				
124	Name: Senior Environmental Services Ltd Location: Kings Dock, Swansea, SA1 8QT Classification: Reclaiming - Waste Products Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	361	*	267407 192770
	Contemporary Trade Directory Entries				
125	Name: Swansea Bay Port Health Authority Location: Lock Gates, Kings Dock, Swansea, SA1 8RU Classification: Ports, Docks & Harbours Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	408	*	266870 192233
	Contemporary Trade Directory Entries				
125	Name: Swansea Harbour Basin Location: The Boat House, Lock Head, Kings Dock, Swansea, SA1 8RU Classification: Ports, Docks & Harbours Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	413	*	266875 192230
	Contemporary Trade Directory Entries				
125	Name: Associated British Ports Location: Lockhead, Kings Dock, Swansea, SA1 1QR Classification: Ports, Docks & Harbours Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	448	*	266831 192243
	Contemporary Trade Directory Entries				
125	Name: Royles Royce Materials Handling Location: Lockhead, Kings Dock, Swansea, SA1 1QR Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	448	*	266831 192243
	Contemporary Trade Directory Entries				
125	Name: Associated British Ports Location: Lockhead, Kings Dock, Swansea, SA1 1QR Classification: Ports, Docks & Harbours Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	448	*	266831 192243
	Contemporary Trade Directory Entries				
125	Name: Denholm Wilhelmssen Ltd Location: Harbour Office, Lock Head, Kings Dock, Swansea, SA1 1QR Classification: Freight Forwarders Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	459	*	266824 192232
	Contemporary Trade Directory Entries				
126	Name: George Prior Engineering (Swansea) Ltd Location: Prince Of Wales Dry Dock, Swansea, West Glamorgan, SA1 8RX Classification: Ports, Docks & Harbours Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A12SE (SW)	475	*	266884 192087
	Contemporary Trade Directory Entries				
127	Name: Towers Thompson & Co Location: Prince of Wales Dock, Swansea, West Glamorgan, SA1 8RQ Classification: Meat - Wholesale Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	536	*	267348 192662

Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
127	Contemporary Trade Directory Entries Name: 1653 Langdon Rd, Swansea, West Glamorgan, SA1 8QY Location: Langdon Road, Swansea, SA1 8QY Classification: Frozen Food Processors & Distributors Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A18SE (N)	554	-	267349 193010
127	Contemporary Trade Directory Entries Name: Sai Tring Window Tinting Location: Unit 3 Langdon Rd, Swansea, West Glamorgan, SA1 8QY Classification: Window Tinting Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A18SE (N)	594	-	267349 193010
127	Contemporary Trade Directory Entries Name: S B S Motors Location: Langdon Road, Swansea, SA1 8QY Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	594	-	267349 193010
128	Contemporary Trade Directory Entries Name: 1653 Langdon Rd, Swansea, West Glamorgan, SA1 8QY Location: Langdon Road, Swansea, SA1 8QY Classification: Frozen Food Processors & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	559	-	267328 192971
128	Contemporary Trade Directory Entries Name: 1653 Friar For Foodservice Location: Langdon Road, Swansea, SA1 8QY Classification: Frozen Food Processors & Distributors Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	559	-	267328 192971
129	Contemporary Trade Directory Entries Name: Stone Decks Location: Langdon Rd, Swansea, West Glamorgan, SA1 8QY Classification: Woodburning Stoves Status: Inactive Positional Accuracy: Manually positioned to the road within the address or locality	A18SE (N)	575	-	267471 192974
129	Contemporary Trade Directory Entries Name: Kings Swansea Plant Location: Kings Dock, Swansea, West Glamorgan, SA1 8QT Classification: Sand, Gravel & Other Aggregates Status: Active Positional Accuracy: Manually positioned within the geographical locality	A18SW (NE)	576	-	267758 192803
130	Contemporary Trade Directory Entries Name: Eurochem Ltd Location: Kings Dock, Swansea, West Glamorgan, SA1 8QY Classification: Mechanical Handling Equipment Status: Inactive Positional Accuracy: Manually positioned to the road within the address or locality	A18SW (N)	582	-	267218 193006
130	Contemporary Trade Directory Entries Name: The Exclusive Body Centre Location: Kings Dock, Swansea, West Glamorgan, SA1 8QY Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	580	-	267286 193019
131	Contemporary Trade Directory Entries Name: Swansea Audi Ltd Location: Kings Dock, Swansea, West Glamorgan, SA1 8QY Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Manually positioned to the road within the address or locality	A18SW (N)	609	-	267123 193014
131	Contemporary Trade Directory Entries Name: Grealone Ltd Location: Langdon Road, Swansea, SA1 8QY Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	630	-	267105 193031
131	Contemporary Trade Directory Entries Name: Sheela Haulage Ltd Location: South Wales Road, Swansea, SA1 8QY Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A18SW (N)	632	-	267104 193032

Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
132	Contemporary Trade Directory Entries Name: Bresnan Bros Ltd Location: The New Coal yard, Langdon Road, Swansea, SA1 8QY Classification: Coal & Smokeless Fuel Merchants & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	614	-	267612 192952
133	Contemporary Trade Directory Entries Name: Tarmac C R H Company Location: Langdon Road, Swansea, West Glamorgan, SA1 8QY Classification: Sand, Gravel & Other Aggregates Status: Active Positional Accuracy: Manually positioned to the address or locality	A17SE (NW)	654	-	266989 193014
133	Contemporary Trade Directory Entries Name: Tenshore Marine (Wales) Ltd Location: Langdon Road, Swansea, SA1 8QY Classification: Pallets, Crates & Packing Cases Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	687	-	266970 193042
134	Contemporary Trade Directory Entries Name: Fabian Way Service Station Location: Fabian Way, Port Tennant, Swansea, West Glamorgan, SA1 8LD Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	678	-	267215 193102
134	Contemporary Trade Directory Entries Name: John Clegg Location: Fabian Way, Port Tennant, Swansea, West Glamorgan, SA1 8LD Classification: Car Dealers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or locality	A18NW (N)	701	-	267224 193126
135	Contemporary Trade Directory Entries Name: S G Mercedes Location: Langdon Road, Swansea, SA1 8QY Classification: Car Customisation & Conversion Specialists Status: Active Positional Accuracy: Automatically positioned to the address	A19SW (NE)	681	-	267760 192917
136	Contemporary Trade Directory Entries Name: Ackland Motors Location: Unit 2 Langdon Road, Swansea, West Glamorgan, SA1 8QY Classification: Car Dealers Status: Active Positional Accuracy: Manually positioned within the geographical locality	A17SE (NW)	695	-	266906 193017
136	Contemporary Trade Directory Entries Name: A & A Auto Electrical Location: Swansea, West Glamorgan, SA1 8QY Classification: Garage Services Status: Active Positional Accuracy: Manually positioned within the geographical locality	A17SE (NW)	695	-	266906 193017
137	Contemporary Trade Directory Entries Name: The Car Giant (Wales) Location: Apartment 121, South Quay, Kings Road, Swansea, SA1 8AL Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	697	-	266676 192804
137	Contemporary Trade Directory Entries Name: Time For You Swansea Location: Apartment 47, South Quay, Kings Road, Swansea, SA1 8AU Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	729	-	266636 192802
138	Contemporary Trade Directory Entries Name: East Side Printers Ltd Location: 219, Port Tennant Road, Port Tennant, SWANSEA, SA1 8JU Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A18NE (N)	703	-	267354 193129
139	Contemporary Trade Directory Entries Name: Texaco Location: Burrows Service Station, Fabian Way, Port Tennant, Swansea, SA1 8PA Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A18NE (NE)	713	-	267848 193048

Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
140	Contemporary Trade Directory Entries Name: P R Godfrey Location: 87, Ysgol Street, Port Tennant, Swansea, SA1 8LE Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	721	*	267509 193115
141	Contemporary Trade Directory Entries Name: Volkswagen Swansea Location: Langdon Road, Swansea, West Glamorgan, SA1 8QY Classification: Car Dealers Status: Active Positional Accuracy: Manually positioned to the address or location	A13SW (NE)	747	*	267858 192942
142	Contemporary Trade Directory Entries Name: Java Concrete Services Ltd Location: Langdon Road, Swansea, West Glamorgan, SA1 8QY Classification: Concrete & Mortar Ready Mixed Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	760	*	267677 193015
143	Contemporary Trade Directory Entries Name: Marday Cleaning Ltd Location: 7, Bay Street, Port Tennant, Swansea, SA1 8LB Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A18NE (N)	768	*	267374 193192
144	Contemporary Trade Directory Entries Name: Oakwood Factors Location: 188, Port Tennant Road, Swansea, SA1 8JQ Classification: Coal Companies Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	821	*	267060 193217
144	Contemporary Trade Directory Entries Name: Albright Location: 1, Dangraig Road, Port Tennant, Swansea, SA1 8LY Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	856	*	267071 193255
145	Contemporary Trade Directory Entries Name: Cusack Location: Kings Dock, SWANSEA, SA1 8QU Classification: Concrete & Mortar Ready Mixed Status: Active Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	858	*	268118 192798
146	Contemporary Trade Directory Entries Name: Nix2 Location: 138, Port Tennant Road, Port Tennant, Swansea, SA1 8JQ Classification: Printers Textile Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	850	*	267009 193231
146	Contemporary Trade Directory Entries Name: J J S Carpets & Upholstery Cleaners Location: 134, Port Tennant Road, Swansea, SA1 8JQ Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	850	*	266998 193227
147	Contemporary Trade Directory Entries Name: Hancock & Brown Location: Langdon Road, SWANSEA, SA1 8QY Classification: Builders Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A19SW (NE)	855	*	267991 192972
148	Contemporary Trade Directory Entries Name: Artist Blacksmith Location: The Old Custom House, Pilot House Wharf, Swansea, SA1 1UN Classification: Blacksmiths & Forgemasters Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	856	*	266408 192558
149	Contemporary Trade Directory Entries Name: Alan Doolley Location: 20, Jersey Terrace, Port Tennant, Swansea, SA1 8LA Classification: Boilers - Servicing, Replacements & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	857	*	267507 193257

Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
150	Contemporary Trade Directory Entries Name: Noah Port Talbot Recycling Ltd Location: Cymlyn Burrows, Swansea, West Glamorgan, SA1 8PZ Classification: Recycling Centres Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A18NW (NE)	865	*	267904 193054
151	Contemporary Trade Directory Entries Name: Macrofit Engineering Ltd Location: Port Tennant Works, Port Tennant, Swansea, West Glamorgan, SA1 8PS Classification: Engineers - General Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A17NE (NW)	894	*	266974 193226
151	Contemporary Trade Directory Entries Name: Leyland Paint Co Location: 99, Port Tennant Road, Port Tennant, Swansea, SA1 8JG Classification: Painting & Decorating Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	896	*	266903 193244
152	Contemporary Trade Directory Entries Name: T C W Printing & Embroidery Location: 89a, Port Tennant Road, Port Tennant, Swansea, SA1 8JG Classification: T-Shirts Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (N)	900	*	266985 193269
153	Contemporary Trade Directory Entries Name: Driving Vehicle Standard Agency Location: Ellipse, Padley Road, Swansea, SA1 8AN Classification: Vehicle Inspection Services Status: Active Positional Accuracy: Automatically positioned to the address	A17NE (NW)	908	*	266982 193121
153	Contemporary Trade Directory Entries Name: Magnalorce Ltd Location: Fabian Way, Port Tennant, Swansea, SA1 8JH Classification: Mechanical Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	936	*	266660 193138
153	Contemporary Trade Directory Entries Name: Thames Motors Location: Fabian Way, Swansea, West Glamorgan, SA1 8LD Classification: Car Dealers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A17NW (NW)	953	*	266658 193159
154	Contemporary Trade Directory Entries Name: South Wales B M W Location: 90, Fabian Way, Port Tennant, Swansea, SA1 8PA Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (NE)	912	*	267804 193112
155	Contemporary Trade Directory Entries Name: Woodli Joinery Location: 38, Ysgol Street, Port Tennant, Swansea, SA1 8LF Classification: Kitchen Furniture Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	929	*	267540 193334
155	Contemporary Trade Directory Entries Name: Clearworx Location: 21, Margaret Street, St Thomas Swansea, SA1 8HT Classification: Oven cleaning Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	959	*	267073 193373
157	Contemporary Trade Directory Entries Name: Surelli Location: Unit 12 S A 1 Business Park, Langdon Road, Swansea West Glamorgan, SA1 8QY Classification: Mot Testing Centres Status: Active Positional Accuracy: Manually positioned to the address or location	A18NE (NE)	991	*	268098 193180

Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
158	Contemporary Trade Directory Entries Name: Premier Cement Ltd Location: E Berth, Kings Dock, Swansea, SA1 8QT Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (NE)	996	-	262522 192882
159	Contemporary Trade Directory Entries Name: C A B Clearing Location: 25 Kelly Street, St. Thomas, Swansea, SA1 8HE Status: Active Positional Accuracy: Automatically positioned to the address	A17NE (NW)	999	-	266822 193321
160	Fuel Station Entries Name: Fabian Way Service Station Location: Fabian Way, Port Tennant, Swansea, SA1 8PQ Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	672	-	267215 193087
161	Fuel Station Entries Name: Burrows Service Station Location: Burrows Way, Port Tennant, Swansea, SA1 8PA Status: Active Positional Accuracy: Automatically positioned to the address	A18NE (NE)	723	-	267662 193049
162	Points of Interest - Commercial Services Name: Indscape Shipping Services UK Ltd Location: Lock 10, Kings Dock, Swansea, SA1 8RU Status: Active Positional Accuracy: Manually positioned to the address or location	A12SE (W)	371	11	266905 192286
163	Points of Interest - Commercial Services Name: Denham Williams Ltd Location: Kings Dock, Swansea, SA1 1QR Status: Active Positional Accuracy: Positioned to address or location	A12SE (W)	448	11	266631 192243
164	Points of Interest - Commercial Services Name: The Exclusive Body Centre Location: The Kings Dock, Swansea, SA1 8QY Status: Active Positional Accuracy: Positioned to address or location	A18SE (N)	558	11	267426 192970
165	Points of Interest - Commercial Services Name: Car Wash Cafe Location: Fabian Way, Port Tennant, Swansea, SA1 8LD Status: Active Positional Accuracy: Positioned to address or location	A18NW (N)	677	11	267215 193102
166	Points of Interest - Commercial Services Name: Atlantic Car Wash & Cafe Location: 7 Fabian Way, Port Tennant, Swansea, SA1 8LD Status: Active Positional Accuracy: Positioned to address or location	A18NW (N)	679	11	267214 193103
167	Points of Interest - Commercial Services Name: Swansea Coach Works Ltd Location: Swansea Business, Muscatmillan Way, Swansea, SA1 8DY Status: Active Positional Accuracy: Positioned to address or location	A18SW (NE)	682	11	267740 192977

Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
167	Points of Interest - Commercial Services Name: Burrows Service Station Location: Fabian Way, Port Tennant, Swansea, SA1 8PA Status: Active Positional Accuracy: Automatically positioned to the address or location	A18NE (NE)	724	11	267652 193056
168	Points of Interest - Commercial Services Name: Stenor Environmental Services Ltd Location: Kings Dock, Swansea, SA1 8QU Status: Active Positional Accuracy: Automatically positioned to the address or location	A18SE (NE)	838	11	268118 192798
169	Points of Interest - Commercial Services Name: Swansea Container Terminal Ltd Location: F Berth, Kings Dock, Swansea, SA1 8QT Status: Active Positional Accuracy: Positioned to address or location	A14NE (E)	904	11	268251 192660
169	Points of Interest - Commercial Services Name: Swansea Container Terminal Ltd Location: F Berth, Kings Dock, Swansea, SA1 8QT Status: Active Positional Accuracy: Positioned to address or location	A14NE (E)	904	11	268251 192660
170	Points of Interest - Commercial Services Name: South Wales E M W Location: 90 Fabian Way, Port Tennant, Swansea, SA1 8PA Status: Active Positional Accuracy: Positioned to address or location	A19NW (NE)	911	11	267904 193111
170	Points of Interest - Commercial Services Name: South Wales BMW Specialists Location: 90 Fabian Way, Port Tennant, Swansea, SA1 8PA Status: Active Positional Accuracy: Positioned to address or location	A19NW (NE)	912	11	267904 193112
170	Points of Interest - Commercial Services Name: Car Wash Location: Fabian Way, Port Tennant, Swansea, SA1 8PA Status: Active Positional Accuracy: Positioned to address or location	A19NW (NE)	987	11	267985 193146
171	Points of Interest - Manufacturing and Production Name: Works Location: No. Supplied Status: Active Positional Accuracy: Positioned to an adjacent address or location	A13SW (W)	282	11	267007 192459
172	Points of Interest - Manufacturing and Production Name: Works Location: SA1 Status: Active Positional Accuracy: Positioned to an adjacent address or location	A12SE (SW)	380	11	266947 192172
172	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Status: Active Positional Accuracy: Positioned to an adjacent address or location	A12SE (SW)	381	11	266945 192172
173	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Status: Active Positional Accuracy: Positioned to an adjacent address or location	A12SE (SW)	465	11	266935 192059
173	Points of Interest - Manufacturing and Production Name: Works Location: SA1 Status: Active Positional Accuracy: Positioned to an adjacent address or location	A12SE (SW)	465	11	266935 192059

Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
173	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SE (SW)	480	11	266829 192044
174	Points of Interest - Manufacturing and Production Name: Workshop Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NE (NW)	479	11	266817 192612
174	Points of Interest - Manufacturing and Production Name: Workshop Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NE (NW)	483	11	266833 192651
175	Points of Interest - Manufacturing and Production Name: Works Location: SA1 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	540	11	267473 192937
175	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	542	11	267477 192938
176	Points of Interest - Manufacturing and Production Name: Swansea Docks Turbine Location: SA1 Category: Industrial Features Class Code: Energy Production Positional Accuracy: Positioned to address or location	A8NW (S)	541	11	267124 191809
176	Points of Interest - Manufacturing and Production Name: Swansea Docks Location: Swansea, SA1 Category: Industrial Features Class Code: Energy Production Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	541	11	267124 191809
177	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	549	11	267036 191851
177	Points of Interest - Manufacturing and Production Name: Works Location: SA1 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	549	11	267036 191851
178	Points of Interest - Manufacturing and Production Name: Workshop Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NE (NW)	586	11	266716 192649
179	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	690	11	266980 193050
180	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	714	11	266940 193057

Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
180	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	746	11	266877 193080
181	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	810	11	268477 192204
182	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	941	11	268409 192142
182	Points of Interest - Manufacturing and Production Name: Tanks Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	965	11	268339 192531
183	Points of Interest - Manufacturing and Production Name: Tank Location: Not Supplied Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	944	11	268545 193037
184	Points of Interest - Manufacturing and Production Name: Technum Location: Swansea Waterfront, Kings Road, Swansea SA1 8PH Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A17SW (NW)	960	11	268439 192922
184	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	982	11	268394 192009
185	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A11NE (W)	988	11	266263 192450
185	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A11NE (W)	992	11	266260 192459
185	Points of Interest - Public Infrastructure Name: Environmental Practical Solutions Ltd Location: Kings Dock, Swansea, SA1 8QT Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A18SE (N)	361	11	267407 192770
187	Points of Interest - Public Infrastructure Name: Refuse Tip Location: SA1 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	494	11	266774 192539
188	Points of Interest - Public Infrastructure Name: Shell Swansea Bay Service Station Location: Fabian Way, Swansea, South Glamorgan, SA1 8UL Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A18NW (N)	681	11	267213 193105

Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
189	Points of Interest - Public Infrastructure Name: Burrows Service Station Location: Fabian Way, Port Tennant, Swansea, SA1 8PA Category: Road And Rail Grid Code: 1000 Positional Accuracy: Positioned to address or location	A18NE (NE)	723	11	267652 193049
190	Points of Interest - Public Infrastructure Name: Spoil Heap Location: SA1 Category: Infrastructure and Facilities Grid Code: 1000 Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	768	11	268154 192559
190	Points of Interest - Public Infrastructure Name: Spoil Heap Location: SA1 Category: Infrastructure and Facilities Grid Code: 1000 Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	843	11	268214 192517
191	Points of Interest - Public Infrastructure Name: St Thomas Police Station Location: St Thomas Police Station, St Leger Crescent, St Thomas, Swansea, SA1 8ET Category: Criminal and Local Government Grid Code: 1000 Positional Accuracy: Positioned to address or location	A17NE (NW)	968	11	266710 193216
192	Points of Interest - Public Infrastructure Name: Taxaco Location: Burrows Service Station, Fabian Way, Port Tennant, Swansea, SA1 8PA Category: Road And Rail Grid Code: 1000 Positional Accuracy: Positioned to address or location	A19NW (NE)	967	11	267965 193146
192	Points of Interest - Public Infrastructure Name: Burrows Sain Location: Fabian Way, Port Tennant, Swansea, SA1 8PA Category: Road And Rail Grid Code: 1000 Positional Accuracy: Positioned to address or location	A19NW (NE)	968	11	267965 193146

Data Currency

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	January 2015 March 2015	Annual Rolling Update Annual Rolling Update
Discharge Consents Natural Resources Wales Environment Agency - Welsh Region	April 2017 August 2014	Quarterly Quarterly
Enforcement and Prohibition Notices Environment Agency - Welsh Region	March 2013	As notified
Integrated Pollution Controls Environment Agency - Welsh Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control Environment Agency - Welsh Region Natural Resources Wales	July 2017 November 2016	Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Swansea Bay Port Health Authority Neath Port Talbot County Borough Council - Environmental Health Department City and County of Swansea - Environmental Health Department	April 2014 August 2012 June 2014	Annually Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Controls Swansea Bay Port Health Authority City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	April 2014 June 2014 March 2014	Annually Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Swansea Bay Port Health Authority City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	April 2014 June 2014 March 2014	Annually Annual Rolling Update Annual Rolling Update
Nearest Surface Water Feature Ordnance Survey	May 2017	
Pollution Incidents to Controlled Waters Environment Agency - Welsh Region	December 1998	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013	As notified As notified
Prosecutions Relating to Controlled Waters Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013	As notified As notified
Registered Radioactive Substances Natural Resources Wales Environment Agency - Welsh Region	January 2015 January 2015	As notified
River Quality Environment Agency - Head Office	November 2001	Not Applicable
Substantiated Pollution Incident Register Environment Agency Wales - South West Area Natural Resources Wales	April 2017 April 2017	Quarterly Quarterly
Water Abstractions Environment Agency - Welsh Region Natural Resources Wales	April 2017 January 2017	Quarterly Quarterly
Water Industry Act Referrals Environment Agency - Welsh Region Natural Resources Wales	July 2017 October 2015	Quarterly Quarterly
Groundwater Vulnerability Environment Agency - Head Office	April 2015	Not Applicable

Data Currency

Agency & Hydrological	Version	Update Cycle
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Source Protection Zones Natural Resources Wales	November 2016	Quarterly
Extreme Flooding from Rivers or Sea without Defences Natural Resources Wales	August 2017	Quarterly
Flooding from Rivers or Sea without Defences Natural Resources Wales	August 2017	Quarterly
Areas Benefiting from Flood Defences Natural Resources Wales	August 2017	Quarterly
Flood Water Storage Areas Natural Resources Wales	August 2017	Quarterly
Flood Defences Natural Resources Wales	August 2017	Quarterly
OS Water Network Lines Ordnance Survey	April 2017	6 Weekly
Surface Water 1 in 30 year Flood Extent Natural Resources Wales	October 2013	As notified
Surface Water 1 in 100 year Flood Extent Natural Resources Wales	October 2013	As notified
Surface Water 1 in 1000 year Flood Extent Natural Resources Wales	October 2013	As notified
Surface Water Suitability Natural Resources Wales	October 2013	As notified
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually

Data Currency

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Natural Resources Wales	May 2017	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Welsh Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency Wales - South West Area	May 2017	Quarterly
Licensed Waste Management Facilities (Locations) Natural Resources Wales	May 2017	Quarterly
Local Authority Landfill Coverage City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	April 2017 July 2017	Quarterly Quarterly
Local Authority Recorded Landfill Sites City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	May 2000 May 2000 September 2003	Not Applicable Not Applicable Not Applicable
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites Environment Agency Wales - South West Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency Wales - South West Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency Wales - South West Area	March 2003	Not Applicable
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	March 2017	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements City and County of Swansea - Planning Department Neath Port Talbot County Borough Council - Planning Department	January 2016 October 2015	Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Consents City and County of Swansea - Planning Department Neath Port Talbot County Borough Council - Planning Department	January 2016 October 2015	Annual Rolling Update Annual Rolling Update

Data Currency

Geological	Version	Update Cycle
BGS 1:625 000 Solid Geology	January 2009	Not Applicable
British Geological Survey - National Geoscience Information Service		
BGS Est mated Soil Chemistry	October 2015	As notified
British Geological Survey - National Geoscience Information Service		
BGS Rec ordered Mineral Sites	April 2017	Bi-Annually
British Geological Survey - National Geoscience Information Service		
BGS Urban Soil Chemistry	October 2015	As notified
British Geological Survey - National Geoscience Information Service		
BGS Urban Soil Chemistry Averages	October 2015	As notified
British Geological Survey - National Geoscience Information Service		
CBSCB Compensation District	August 2011	Not Applicable
Cheshire Brine Subsidence Compensation Board (CBSCB)		
Coal Mining Affected Areas	March 2014	As notified
The Coal Authority - Property Searches		
Mining Instability	October 2000	Not Applicable
Ove Atup & Partners		
Non Coal Mining Areas of Great Britain	May 2015	Not Applicable
British Geological Survey - National Geoscience Information Service		
Potential for Collapsible Ground Stability Hazards	June 2015	Annually
British Geological Survey - National Geoscience Information Service		
Potential for Compressible Ground Stability Hazards	June 2015	Annually
British Geological Survey - National Geoscience Information Service		
Potential for Ground Dissolution Stability Hazards	June 2015	Annually
British Geological Survey - National Geoscience Information Service		
Potential for Landslide Ground Stability Hazards	June 2015	Annually
British Geological Survey - National Geoscience Information Service		
Potential for Running Sand Ground Stability Hazards	June 2015	Annually
British Geological Survey - National Geoscience Information Service		
Potential for Shrinking or Swelling Clay Ground Stability Hazards	June 2015	Annually
British Geological Survey - National Geoscience Information Service		
Radon Potential - Radon Affected Areas	July 2011	As notified
British Geological Survey - National Geoscience Information Service		
Radon Potential - Radon Protection Measures	July 2011	As notified
British Geological Survey - National Geoscience Information Service		

Data Currency

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries	June 2017	Quarterly
Thomson Directories		
Fuel Station Entries	May 2017	Quarterly
Catalist Ltd - Experian		
Gas Pipelines	July 2014	Quarterly
National Grid		
Points of Interest - Commercial Services	December 2016	Quarterly
PointX		
Points of Interest - Education and Health	December 2016	Quarterly
PointX		
Points of Interest - Manufacturing and Production	December 2016	Quarterly
PointX		
Points of Interest - Public Infrastructure	December 2016	Quarterly
PointX		
Points of Interest - Recreational and Environmental	December 2016	Quarterly
PointX		
Underground Electrical Cables	December 2015	Bi-Annually
National Grid		
Sensitive Land Use		
Ancient Woodland	January 2014	Bi-Annually
Natural Resources Wales		
Areas of Adopted Green Belt	May 2017	As notified
City and County of Swansea		
Areas of Outstanding Natural Beauty	August 2017	Bi-Annually
Natural Resources Wales		
Environmentally Sensitive Areas	January 2017	Annually
The National Assembly for Wales - GI Services (Department of Planning & Countryside)		
Forest Parks	April 1997	Not Applicable
Forestry Commission		
Local Nature Reserves	August 2017	Bi-Annually
City and County of Swansea	August 2017	Bi-Annually
Neath Port Talbot County Borough Council		
Marine Nature Reserves	August 2017	Bi-Annually
Natural Resources Wales		
National Nature Reserves	August 2017	Bi-Annually
Natural Resources Wales		
National Parks	August 2017	Annually
Natural Resources Wales		
Nitrate Vulnerable Zones	June 2017	Bi-Annually
Natural Resources Wales	October 2005	Annually
The National Assembly for Wales - GI Services (Department of Planning & Countryside)		
Ramsar Sites	August 2017	Bi-Annually
Natural Resources Wales		
Sites of Special Scientific Interest	August 2017	Bi-Annually
Natural Resources Wales		
Special Areas of Conservation	August 2017	Bi-Annually
Natural Resources Wales		
Special Protection Areas	August 2017	Bi-Annually
Natural Resources Wales		

Data Suppliers

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Useful Contacts

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Natural Resources Wales Ty Cambria, 29 Newport Road, Cardiff, CF24 0TP	Telephone: 0300 065 3000 Email: enquiries@naturalresourceswales.gov.uk
3	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
4	Swansea Bay Port Health Authority Kings Dock Lock, Swansea, SA1 8RU	Telephone: 01792 653523 Fax: 01792 641718 Email: swansea-bay@cieh.org.uk
5	City and County of Swansea - Environmental Health Department The Guildhall, Swansea, West Glamorgan, SA1 4PE	Telephone: 01792 636000 extn 5651 Fax: 01792 635719
6	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 023 8079 2000 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
7	Health and Safety Executive 55/2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
8	City and County of Swansea - Planning Department The Guildhall, Swansea, West Glamorgan, SA1 4PE	Telephone: 01792 636000 Fax: 01792 635709
9	Neath Port Talbot County Borough Council - Planning Department Port Talbot Civic Centre, Port Talbot, SA13 1PJ	Telephone: 01639 763333 Fax: 01639 763444 Website: www.neath-porttalbot.gov.uk
10	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundsability@coal.gov.uk Website: www2.groundsability.com
11	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
*	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833691 Email: radon@phe.gov.uk Website: www.ukradon.org
*	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.



Industrial Land Use Map

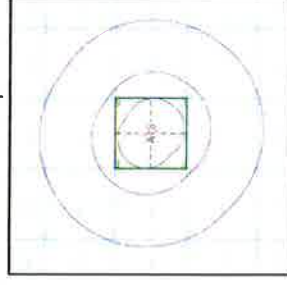
General

- Specified Site
- Specified Buffer(s)
- Map ID
- Beaming Reference Point

Industrial Land Use

- Contemporary Trade Direction Entry
- Fuel Station Entry
- Gas Pipeline
- Points of Interest - Commercial Services
- Points of Interest - Education and Health
- Points of Interest - Manufacturing and Production
- Points of Interest - Public Infrastructure
- Points of Interest - Recreational and Environmental
- Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

Order Number: 138065595_1_1
Customer Ref: 017-1569
National Grid Reference: 267330, 192360
Slice: A
Site Area (Ha): 0.86
Search Buffer (m): 1000

Site Details

Site at, Swansea Bay, Swansea



Tel: 0844 844 9152
Fax: 0844 844 9151
Web: www.landmark.co.uk

General

- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

Agency and Hydrological (Flood)

Extreme Flooding from Rivers or Sea without Delences (Zone 2)

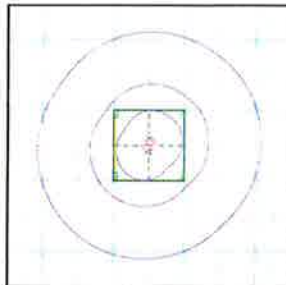
Flooding from Rivers or Sea without Delences (Zone 3)

Area Benefiting from Flood Defence

Flood Water Storage Areas

Flood Defence

Flood Map - Slice A



Order Details

Order Number: 13806595_1_1

Customer Ref: 017-1569

National Grid Reference: 267330, 192360

Site:

Site Area (Ha): 0.86

Search Buffer (m): 1000

Site Details

Site at, Swansea Bay, Swansea

General

-  Selected Site
-  Selected Buffer(s)
-  Bearing Reference Point
-  Map ID
-  Service or Type at Location

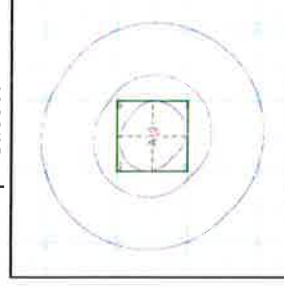
Agency and Hydrological (Boreholes)

-  BGS Borehole Depth 0 - 10m
-  BGS Borehole Depth 10 - 30m
-  BGS Borehole Depth 30m +
-  Confidential
-  Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice A

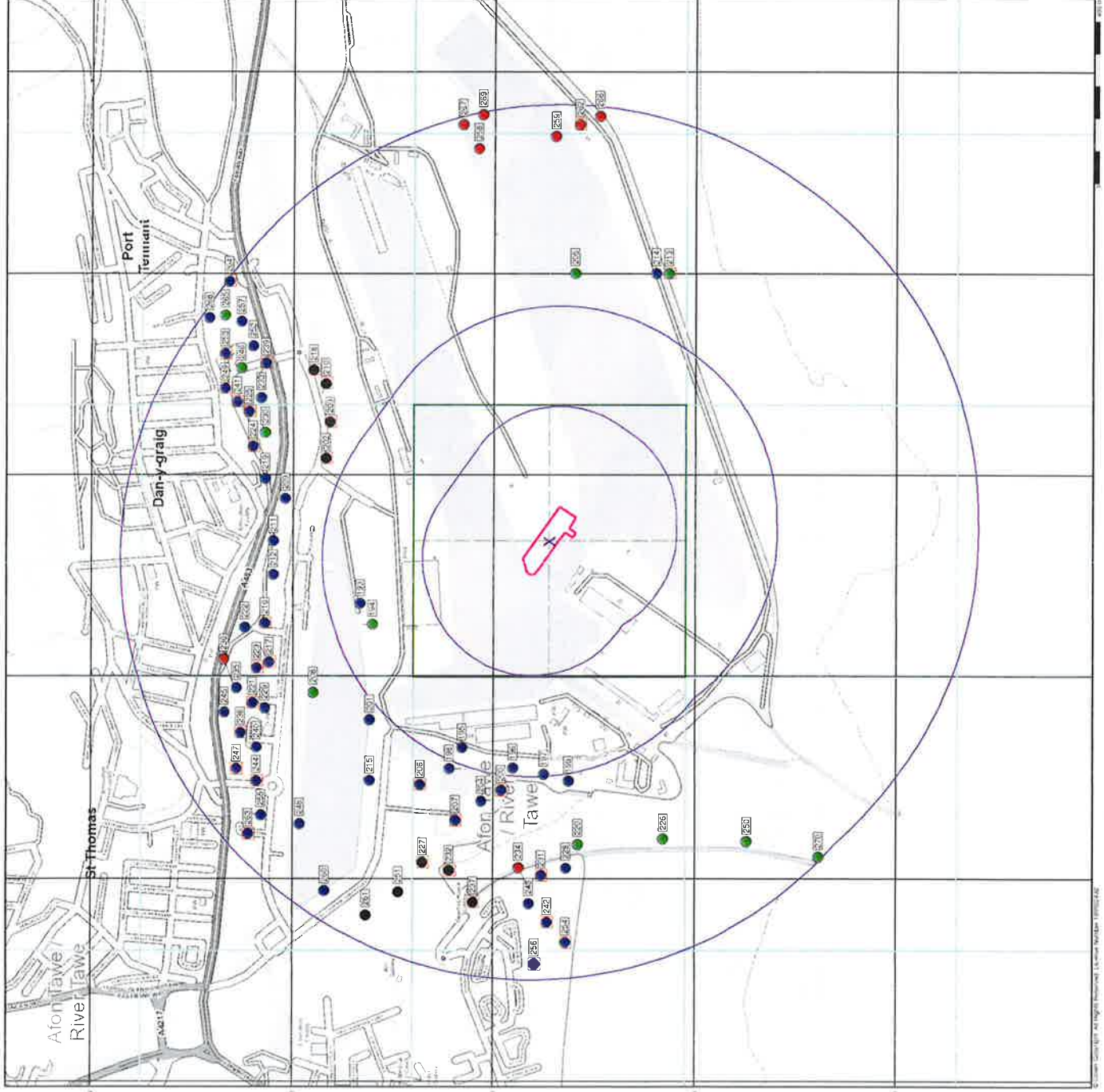


Order Details

Order Number: 138065595_1_1
Customer Ref: 017-1569
National Grid Reference: 267330, 192360
Slice: A
Site Area (Ha): 0.86
Search Buffer (m): 1000

Site Details

Site at, Swansea Bay, Swansea



General

- △ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

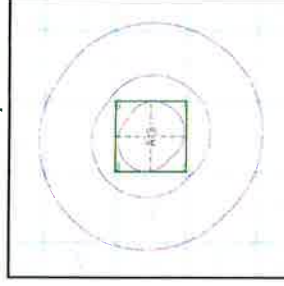
OS Water Network Data

- Canal
- Reservoir
- Freshwater
- Marsh
- Tidal River
- Inland River
- Drain
- Other
- Lake
- Transfer
- Lock Or Flight Of Locks
- Sea

Contours (height in meters)

- Standard Contour
- Master Contour
- Spot Height
- Mean Low Water
- Mean High Water

OS Water Network Map - Slice A

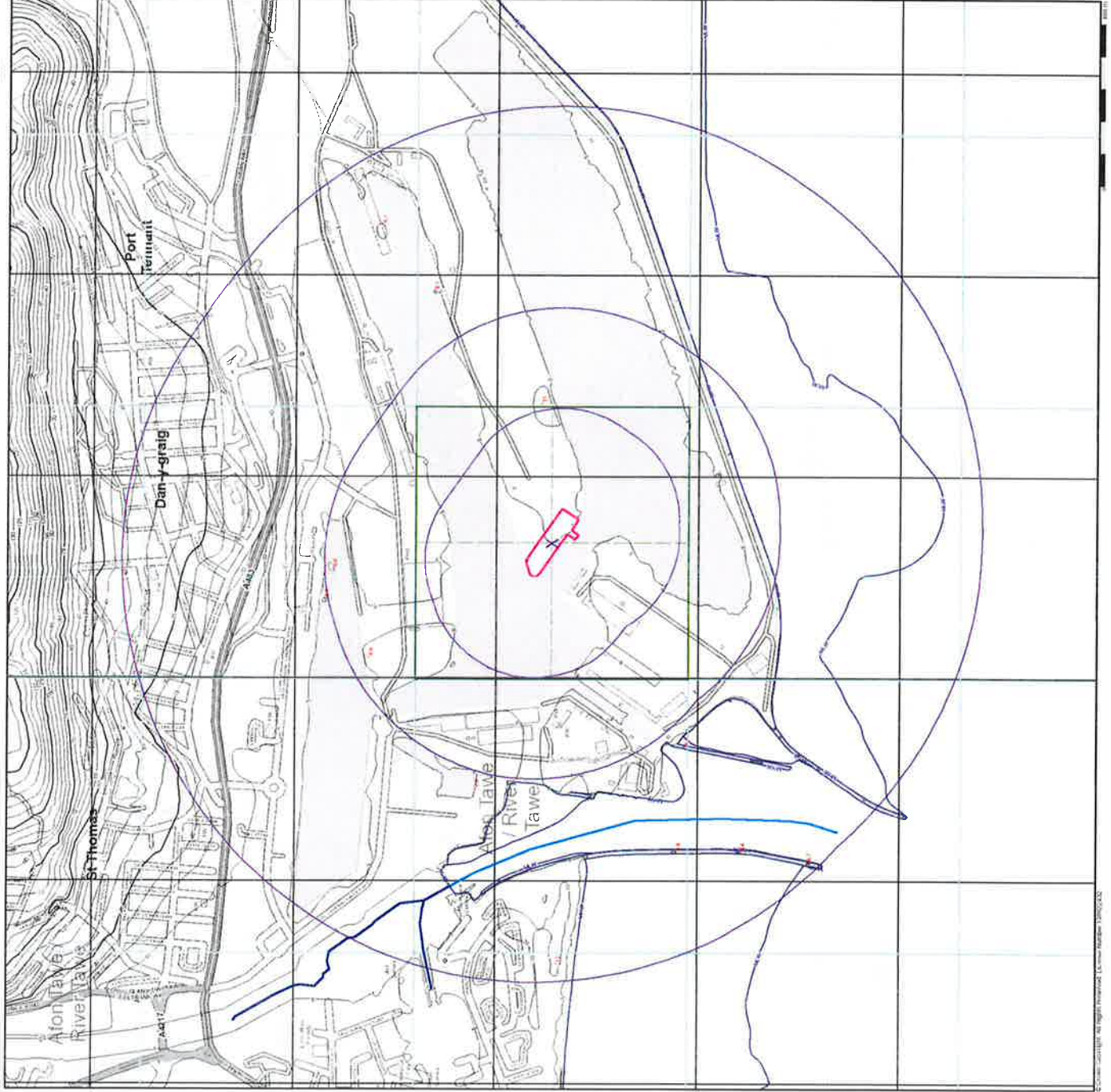


Order Details

Order Number: 138065595_1_1
 Customer Ref: 017-1569
 National Grid Reference: 267330, 192360
 Slice: A
 Site Area (Ha): 0.86
 Search Buffer (m): 1000

Site Details

Site at, Swansea Bay, Swansea



General

- Specified Site
- Specified Buffer (S)
- Beating Reference Point

Risk of Flooding from Surface Water

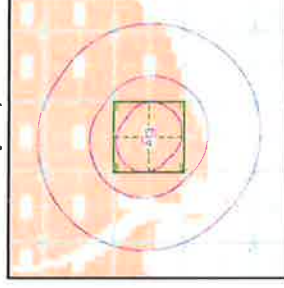
High - 30 Year Return
Medium - 100 Year Return
Low - 1000 Year Return

Suitability

See the suitability map below

Natural to County
County to town
Town to street
Street to property of land
Property

EANRW Suitability Map - Slice A

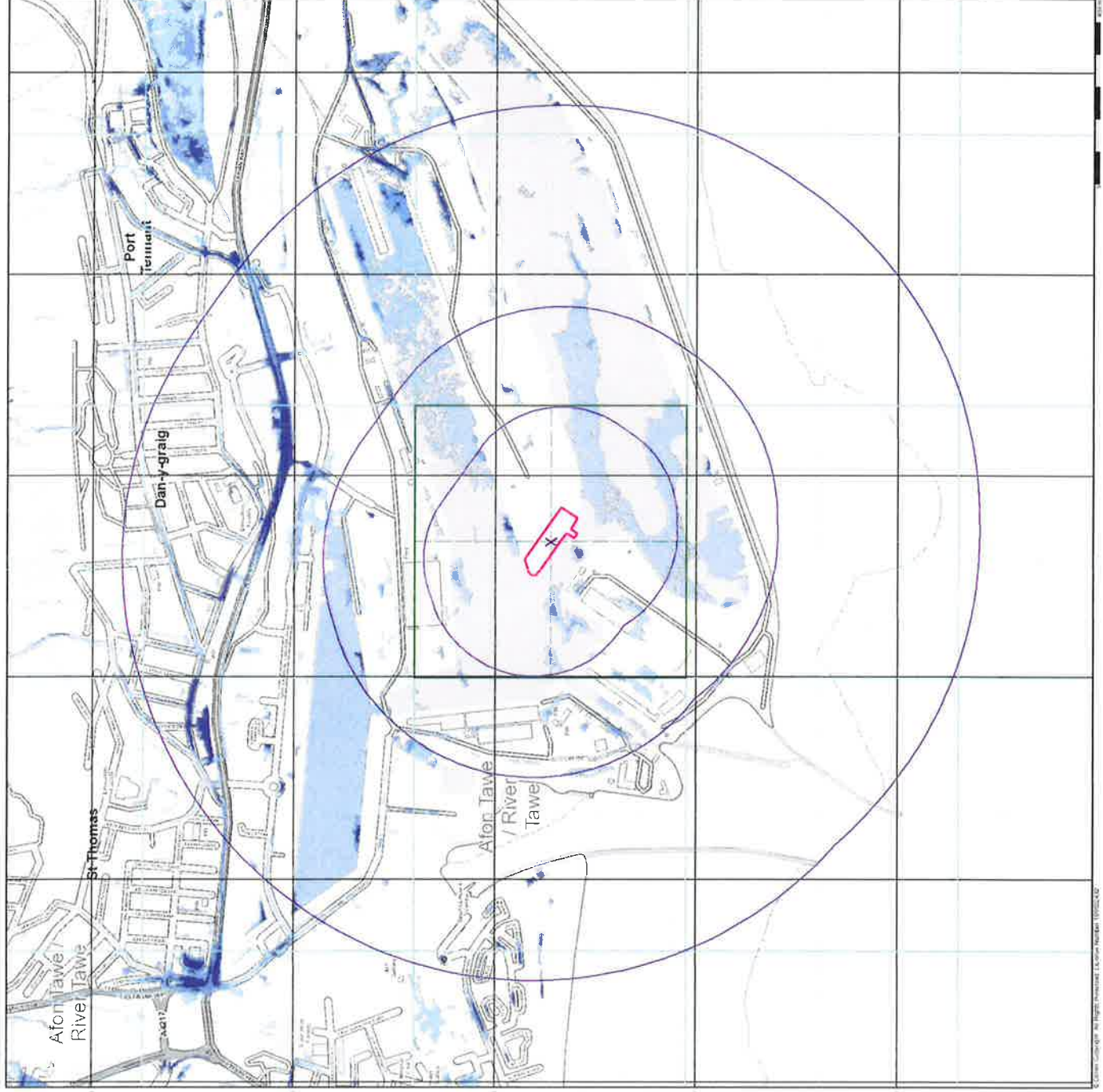


Order Details

Order Number: 138065595_1_1
Customer Ref: 017-1569
National Grid Reference: 267330, 192360
Slice: A
Site Area (Ha): 0.86
Search Buffer (m): 1000

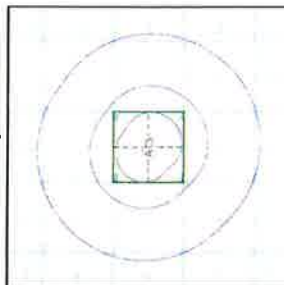
Site Details

Site at, Swansea Bay, Swansea





Urban Soil Chemistry Arsenic - Slice A

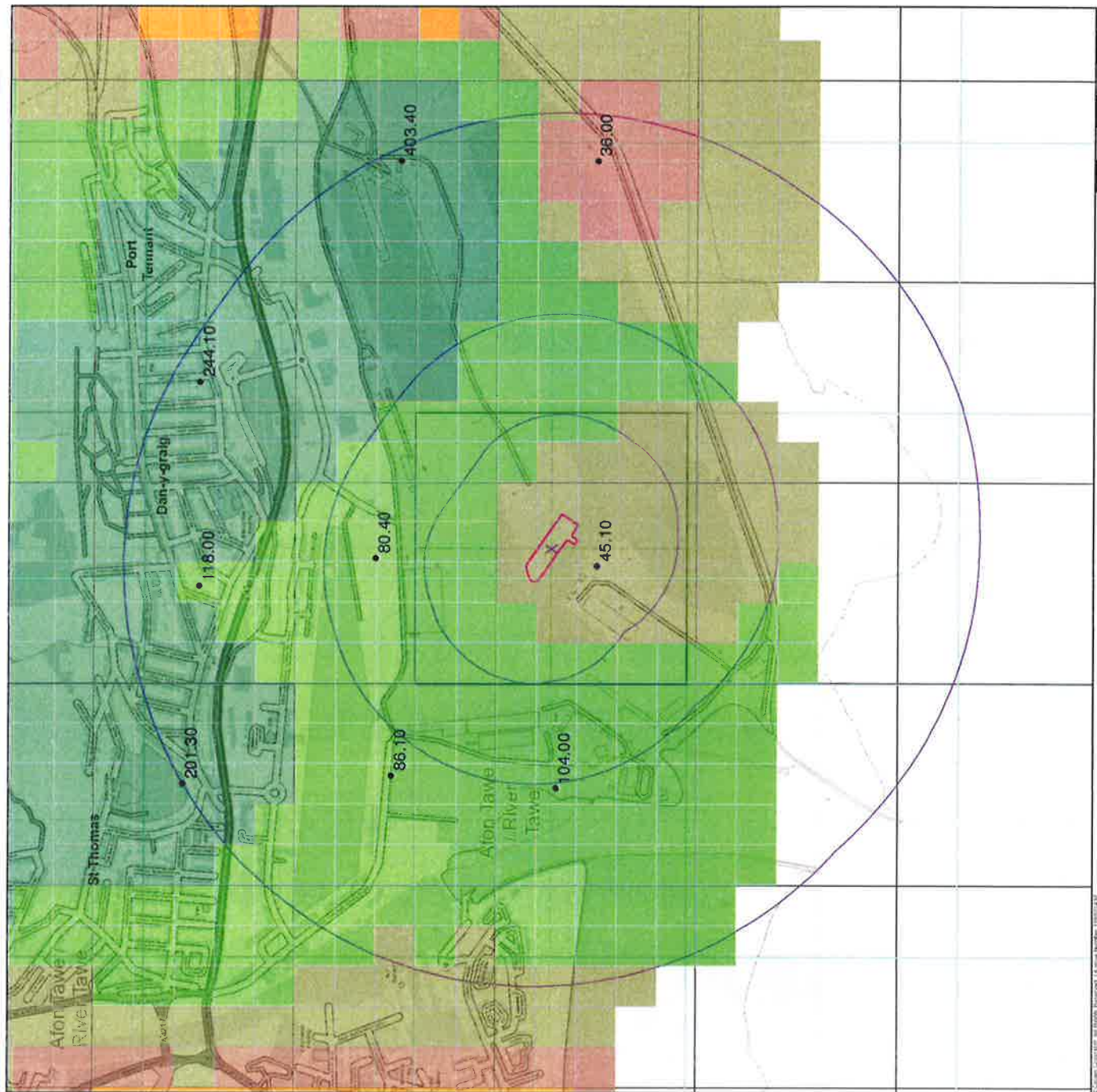


Order Details

Order Details:
138065595_1_1
Customer Ref: 017-1569
National Grid Reference: 267330, 192360
Site: A
Site Area (Ha): 0.86
Search buffer (m): 1000

Site Details

Site at, Swansea Bay, Swansea

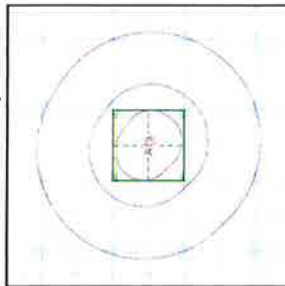


Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A

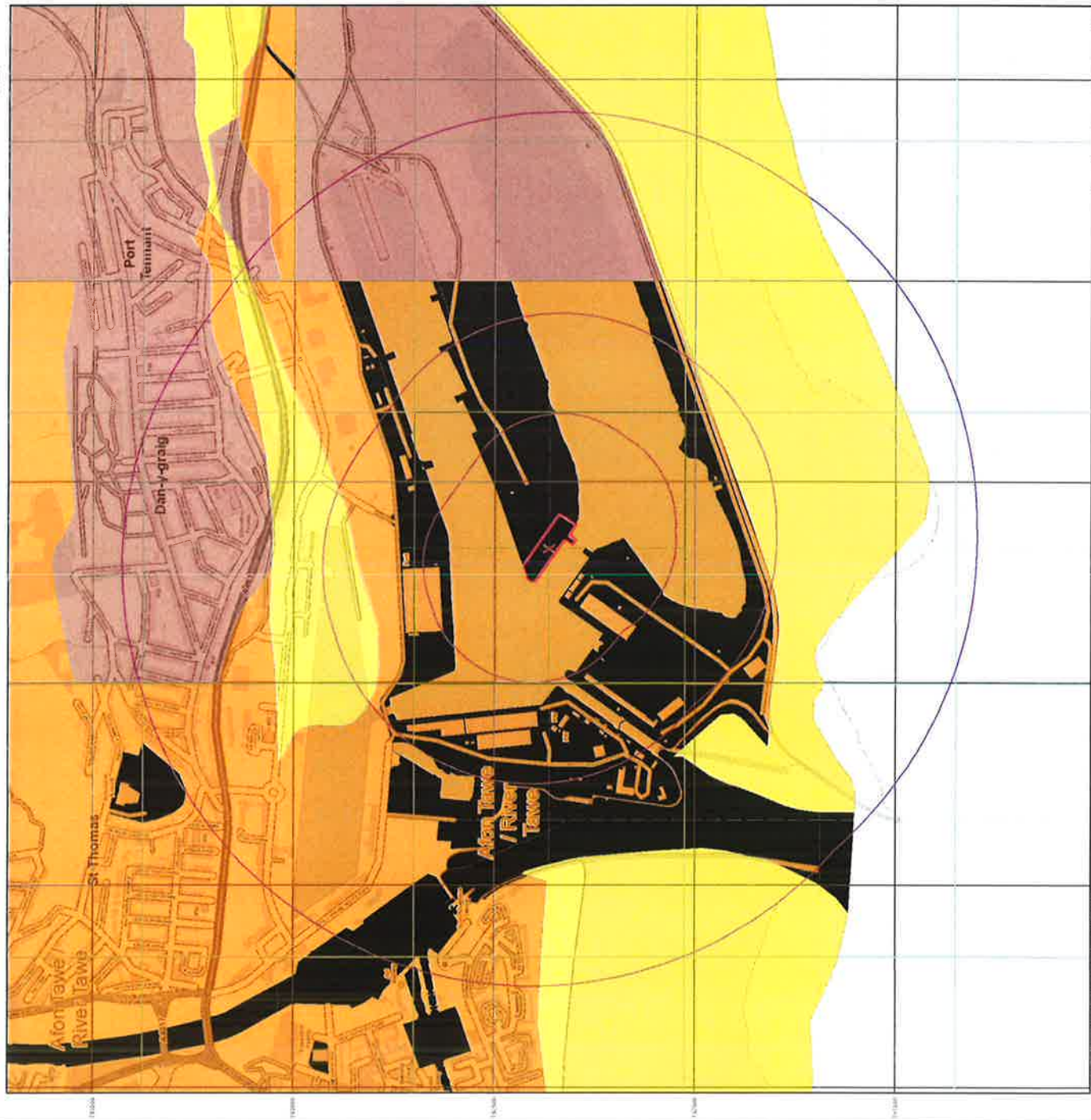


Order Details




Order Details: 138065595_1_1
Customer Ref: 017-1569
National Grid Reference: 267330, 192360
Slice: A
Site Area (Ha): 0.86
Search buffer (m): 1000

Site Details

Site at, Swansea Bay, Swansea



General

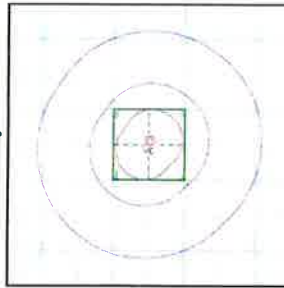
 Sparked Site
  Sealed Buffer(s)
  Isolated Port

Urban Soil Chemistry Cadmium

● BGS Urban Soil Chemistry Measured Concentration Values (mg/kg)
 Cadmium Concentrations (mg/kg)



Urban Soil Chemistry Cadmium - Slice A

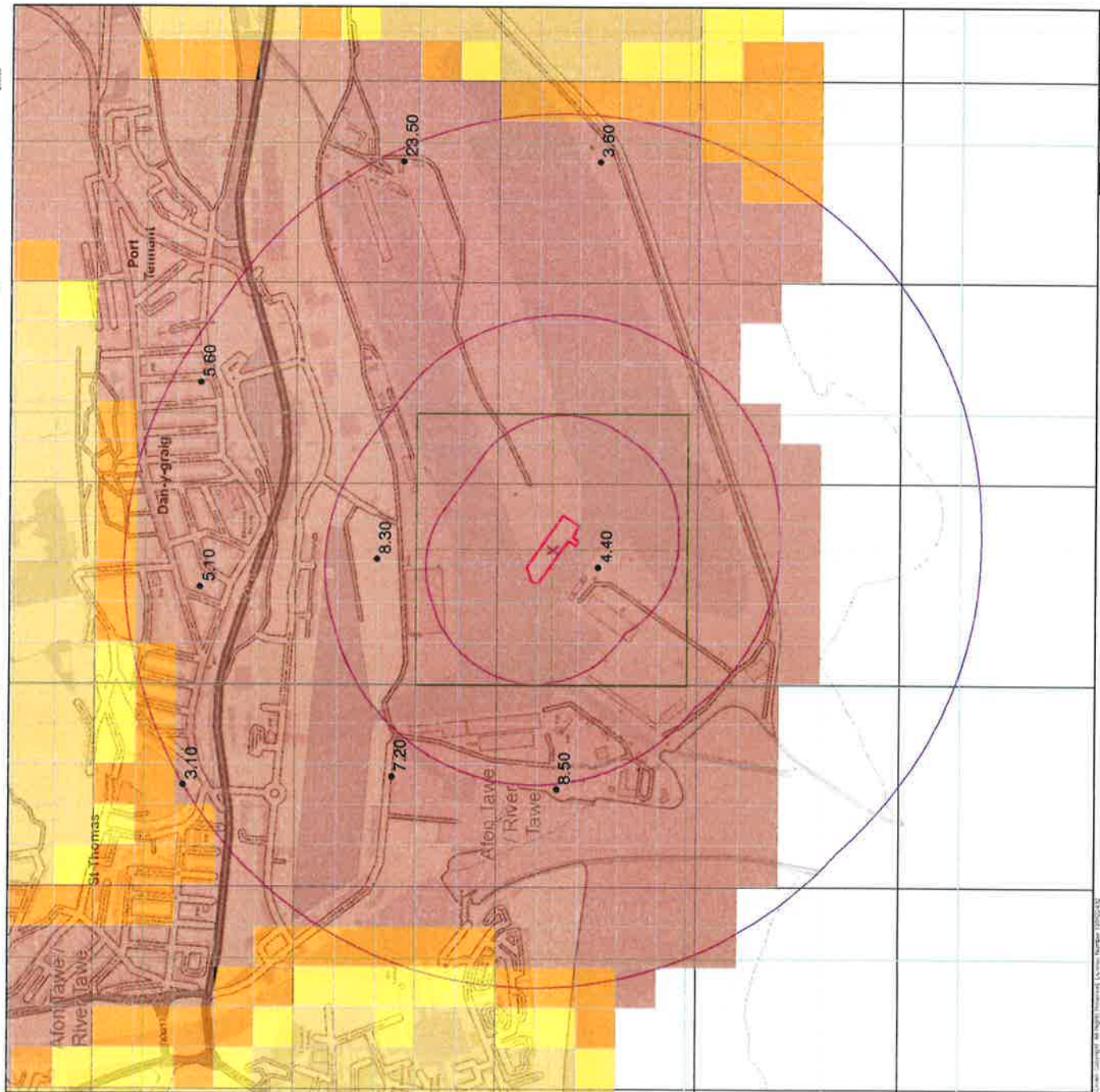


Order Details

Order Details: 138065595_L_1
 Customer Ref: 017-1569
 National Grid Reference: 267330, 192360
 Slice: A
 Site Area (Ha): 0.86
 Search buffer (m): 1000

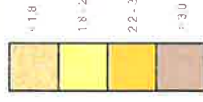
Site Details

Site at, Swansea Bay, Swansea

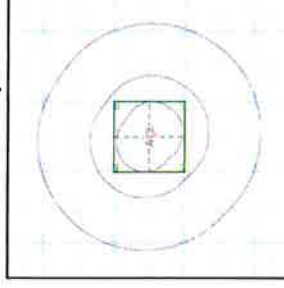


Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

Order Details: 138065595_1_1

Customer Ref: 017-1569

National Grid Reference: 267330, 192360

Site: A

Site Area (Ha): 0.86

Search buffer (m): 1000

Site Details

Site at, Swansea Bay, Swansea

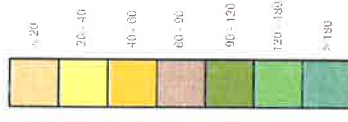
General

Site used Site (X) Specified Buffer (S) (X) Existing Reference Point

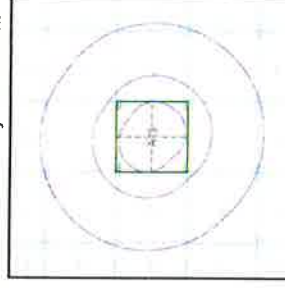
Urban Soil Chemistry Chromium

● BGS Urban Soil Chemistry Measured Concentration Values (mg/kg)

Chromium Concentration (mg/kg)



Urban Soil Chemistry Chromium - Slice A

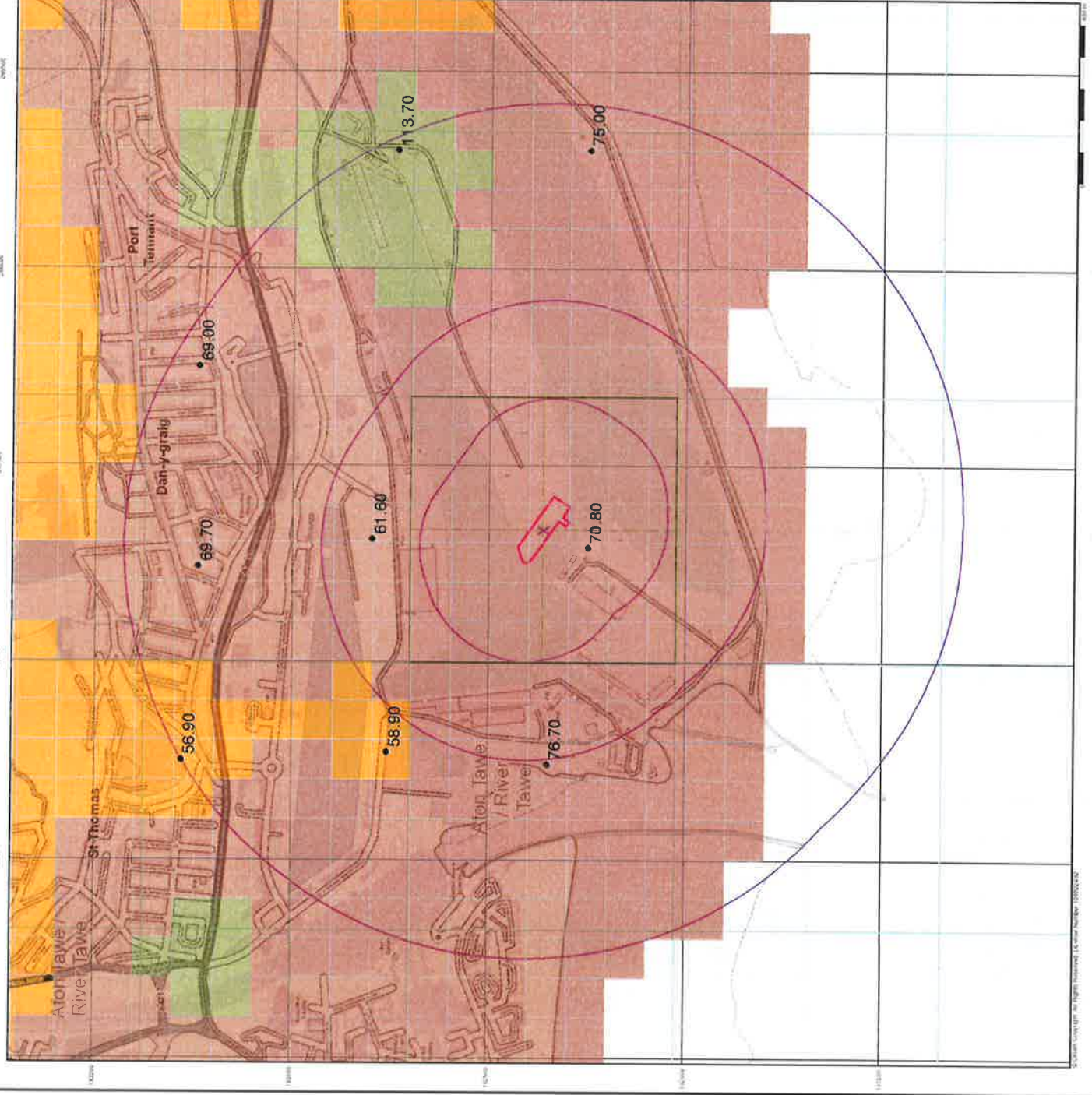


Order Details

Order Details: 138065595_1_1
Customer Ref: 017-1589
National Grid Reference: 267330, 192360
Slice: A
Site Area (Ha): 0.86
Search buffer (m): 1000

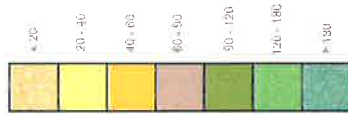
Site Details

Site at: Swansea Bay, Swansea

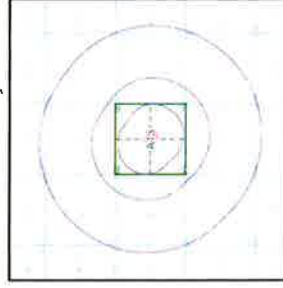


Estimated Soil Chemistry Chromium

Chromium Concentrations (mg/kg)



Estimated Soil Chemistry Chromium - Slice A



Order Details

Order Details:
138065595_1_1
Customer Ref: 0174569
National Grid Reference: 267330, 192360
Site:
A
Site Area (Ha): 0.86
Search buffer (m): 1000

Site Details

Site at, Swansea Bay, Swansea

General

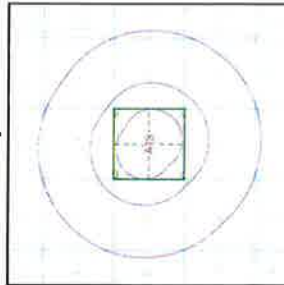
-  Sited Site
-  Specified Buffers
-  Sampling Reference Point

Urban Soil Chemistry Lead

-  BGS Urban Soil Chemistry Measured Concentration Values (mg/kg)



Urban Soil Chemistry Lead - Slice A

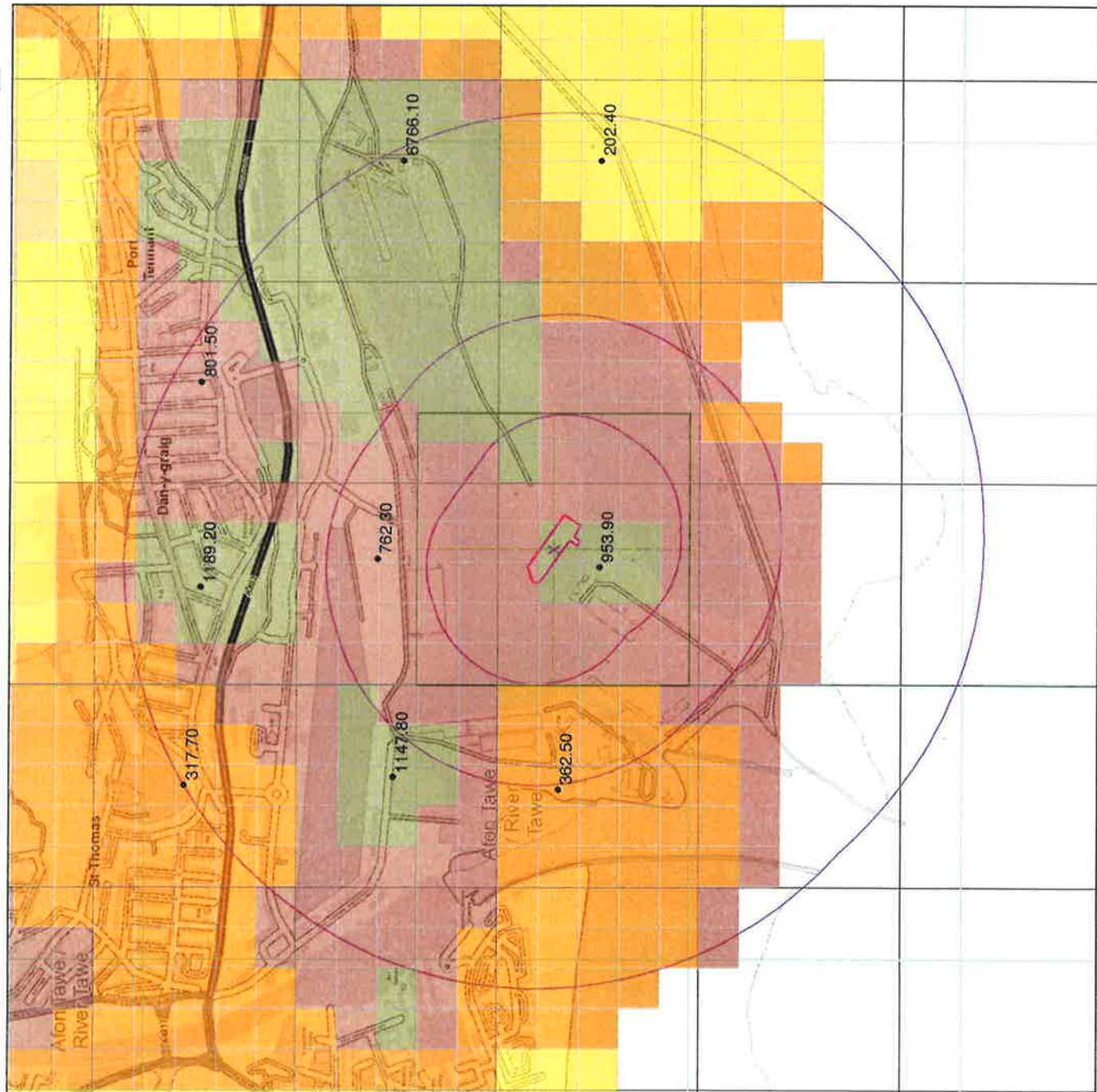


Order Details

Order Details:
138065595_1_1
Customer Ref:
017-1569
National Grid Reference: 267330, 192360
Slice:
A
Site Area (Ha):
0.86
Search buffer (m):
1000

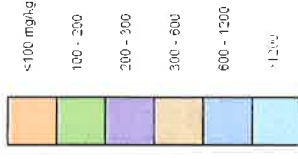
Site Details

Site at, Swansea Bay, Swansea

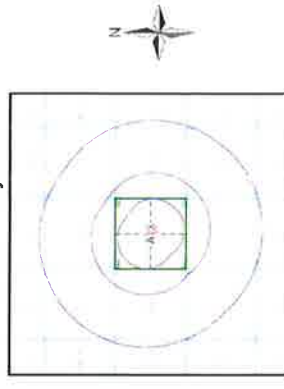


Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A

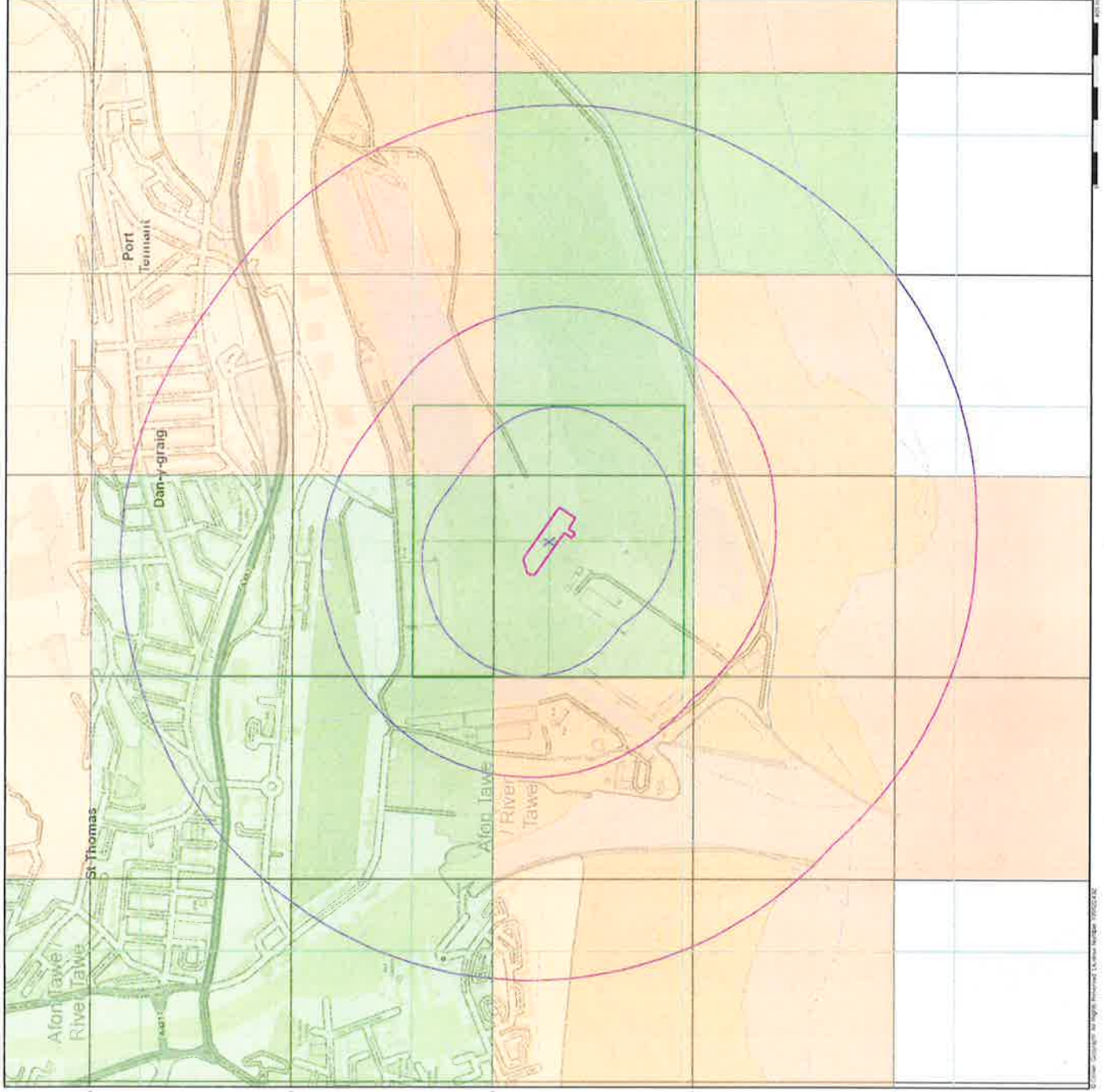


Order Details

Order Details: 138065595_1_1
 Customer Ref: 017-1569
 National Grid Reference: 267330, 192360
 Slice: A
 Site Area (Ha): 0.86
 Search buffer (m): 1000

Site Details

Site at, Swansea Bay, Swansea



General

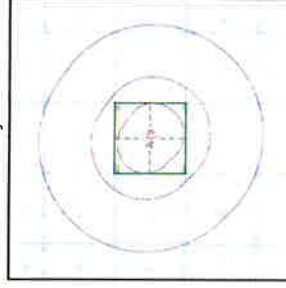
General Site: ☒ Selected Buffer(s): ☒ General Reference Map: ☒

Urban Soil Chemistry Nickel

• RGS Urban Soil Chemistry Statistical Concentration Values (mg/kg)
Nickel Concentration (mg/kg)



Urban Soil Chemistry Nickel - Slice A

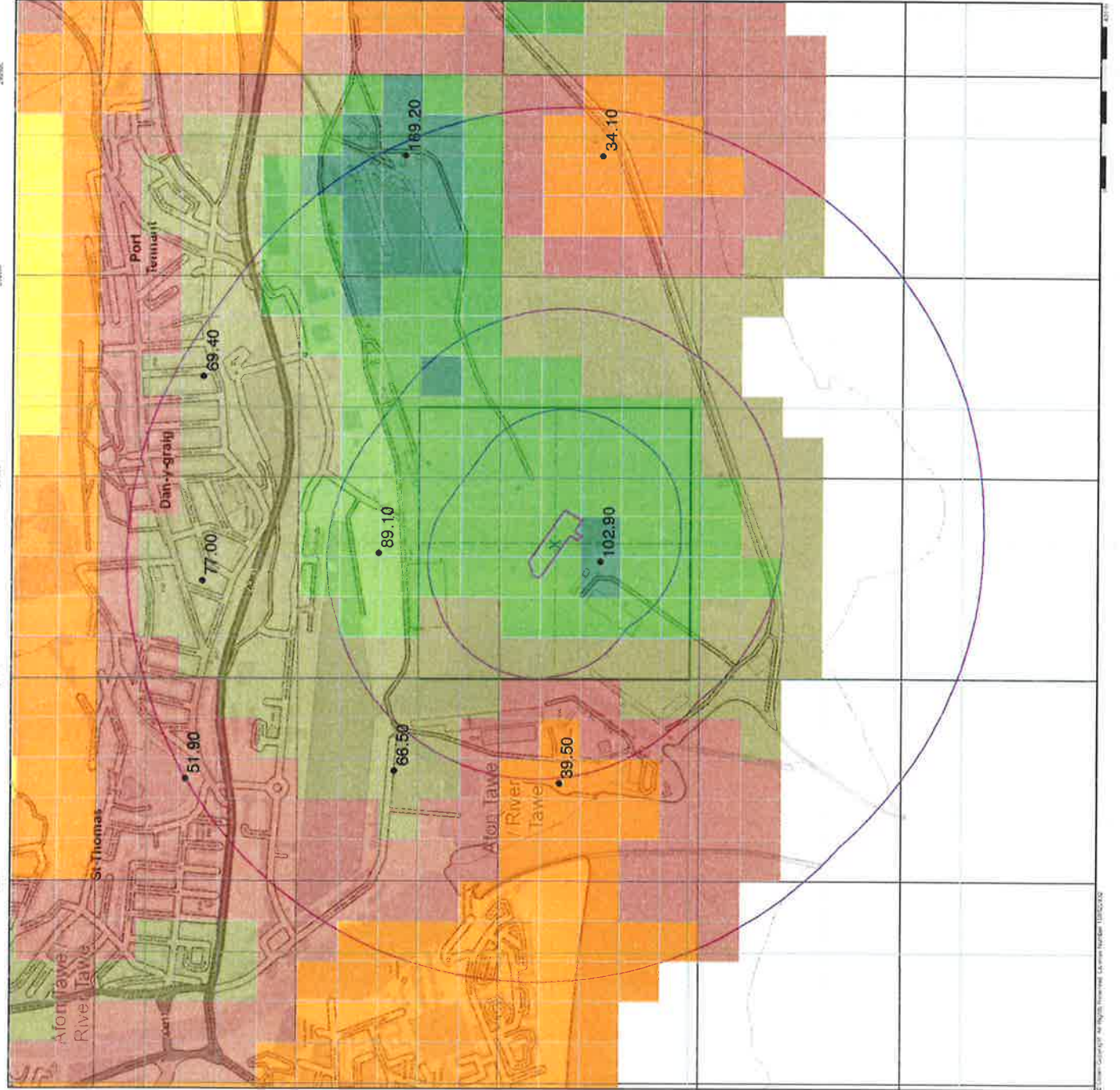


Order Details

Order Details: 138065595_1_1
Customer Ref: 017-1569
National Grid Reference: 267330, 192360
Slice: A
Site Area (Ha): 0.86
Search buffer (m): 1000

Site Details

Site at: Swansea Bay, Swansea

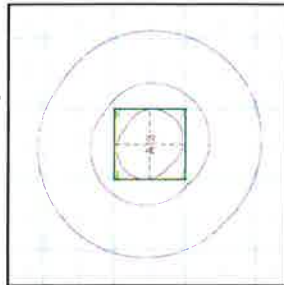


Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A



Order Details

Order Details:
138065595_1_1
Customer Ref:
017-1569
National Grid Reference: 267330, 192360
Site:
A
Site Area (Ha):
0.86
Search buffer (m):
1000

Site Details

Site at, Swansea Bay, Swansea

Index Map

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

Slice

Each slice represents a 110,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

Segment

A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

Quadrant

A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

Mr M Sylvester, Earth and Marine Environmental, Fron Fawr Farm, Llanfairtalhalarn, Abergele, Clwyd, LL22 8DJ

Order Details

Order Number: 138065595_1_1
Customer Ref: 017-1569
National Grid Reference: 267340, 192370
Site Area (Ha): 0.86
Search Buffer (m): 1000

Site Details

Site at, Swansea Bay, Swansea

Full Terms and Conditions can be found on the following link:
<http://www.landmarkinfo.co.uk/Terms/Show515>



Tel: 0844 814 9022
Fax: 0844 814 9351
Web: www.envirocheck.co.uk

Annex D: Site Surveys (Topographic and Structural)

Our Ref: 180232/CDL/99

Enquiries to: Chris Laughton
Mobile: 07967 159060
Email: claughton@smitherspurslow.com

28 March 2018

Earth & Marine Environmental Consultants
Fron Fawr Farm
Llanfairtalhaiarn
Abergele
Clwyd
LL22 8DJ

by email only: michael.sylvester@eame.co.uk

For the attention of Michael Sylvester

Dear Sirs

Re: SWANSEA DOCKS SA1 8QE

Thank you for your recent instruction when you asked us to attend the above site which is part of the Swansea Docks, to undertake a condition survey of the surrounding areas prior to a Lease Agreement being signed by your client, Celsa.

We confirm that our Mr Chris Laughton attended site on Wednesday 7 March at 8am and met with Michael Sylvester of EAME. Mr Sylvester met us at the gate and we proceeded to the area of the Dock in question.

The weather at the time of our arrival was cloudy but dry with a slight sea breeze, the weather got progressively worse throughout the morning and by midday there was rain showers and hailstones. By the end of the day concluding our site visit, the weather had turned bright, sunny and clear.

1.0 BACKGROUND INFORMATION

- 1.1 The area in question is located about half a mile from the East Gate entrance of the docks off Baldwins Crescent, Swansea. The plot of land itself is approximately one hectare in area and is surrounded on the north and west sides by water.
- 1.2 Various items were on the site, presumably being left by the previous tenant including a porta cabin close to the entrance, several areas waste plastic materials in bundles and a small retaining wall structure constructed of precast concrete units.
- 1.3 The survey that was undertaken was a visual inspect only with no intrusive investigations being undertaken.

Cont'd overleaf...

Page 2
28 March 2018
Earth & Marine Environmental Consultants
Our Ref: 180232/CDL/99

2.0 AREAS OF DAMAGE

- 2.1 Whilst we were on site with Mr Sylvester a third-party company arrived to undertake a topographical survey of the area.
- 2.2 During this report I shall refer to Drawing No. 180232/101. This drawing shows the areas of concern where damage was noted within the concrete slab and surrounding areas to varying degrees.
- 2.3 These areas should be noted, and should the client decide to take on the site these areas should be monitored for any signs of deterioration.
These areas are numbered on the photographs below and are cross referenced to Drawing No. 180232/101, to show their location.

Plate 1:

Areas shown where considerable damage has been sustained to the perimeter fencing.



Cont'd overleaf...



Company status: The UK firm offices in London, Swansea, Cardiff and Newport

www.smitherspurslow.com

CLASCOI HALL
SPRING LAKE CLASCOI
HULL AND LINCOLN
E 01517 822000
e: giles@smitherspurslow.com

Plate 2:

Further damage to perimeter fencing



Plate 3:

Significant damage to the fence, presumably by previous tenant.



Cont'd overleaf.../

Plate 4:

Cracking and depressions in existing concrete slab, which appears to have been filled with waste. No exposed reinforcement was noted. Surface damage only

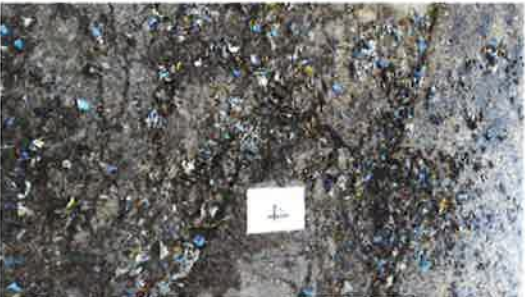


Plate 5:

Evidence of a former pest problem on the site.



Cont'd overleaf...

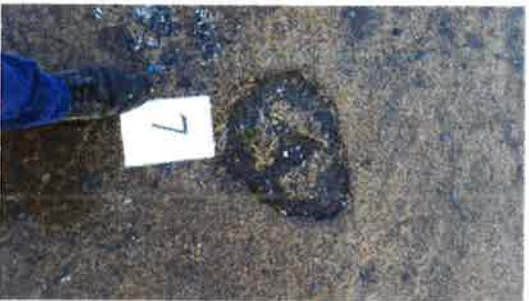
Plate 6:

An area of Heras fencing remains on the site, on the South-Westerly most edge.



Plate 7:

Cracking and slight depression in concrete slab.



Cont'd overleaf.../

Plate 8:

Previously filled depression in slab has been, poorly filled and following subsequent rainfall the mixture was starting to wash out.



Plate 9:

Further evidence of depression in slab and slight ponding.



Cont'd overleaf.../

Plate 10:

Cracking at joints of
slabs, slight evidence
of ponding.

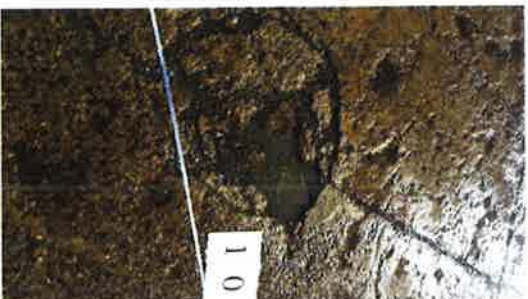
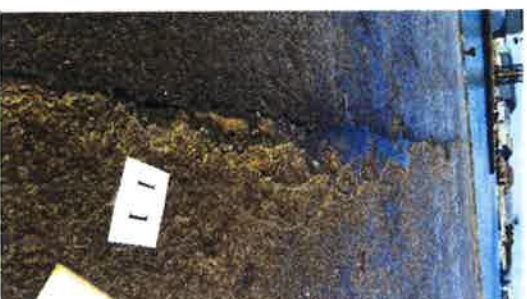


Plate 11:

Further areas
if
ponding on site.



Cont'd overleaf.../

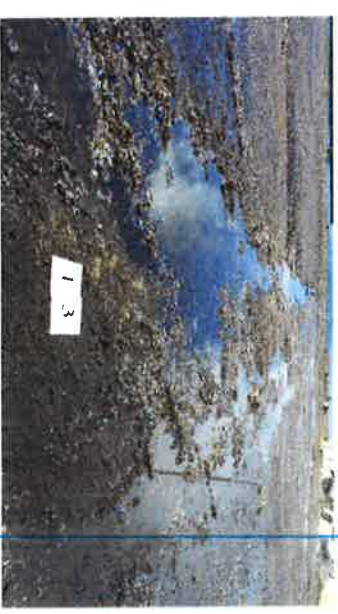
Plate 12:

Three areas
of
damage to
the
concrete slab, these
appear to be historic.



Plate 13:

A large area
of
damage, appears to
have been sustained in
two strips, running
from the North East
boundary down
towards the water's
edge. Ponding noted
following rainfall.



Cont'd overleaf.../

Plate 14:

General damage to the concrete slab, surface only.



Plate 15:

Severe damage noted to the concrete slab which has exposed the top layer of reinforcement to the concrete. The rebar measured 6mm in diameter and judging by the spacing it is assumed that this is a mesh type reinforcement and therefore only really for crack control.



Cont'd overleaf.../

Plate 16:

Damage in thin strip between the main concrete slab and waters edge to the North boundary of the site.



Plate 17:

Large bent rebar on surface no longer imbedded, however no indication as to where this has come from.



Cont'd overleaf.../

Plate 18:

Post to the most North
Westerly point is
damaged, missing a
bolt at the footing, and
leaning at an angle.



Plate 19:

Ponding on slab



Cont'd overleaf.. /

Plate 20:

Further area of
damage to the
concrete slab.



Plate 21:

Areas of general
waste – left behind on
site, from the previous
tenant.



Cont'd overleaf.. /

Plate 22:

General waste and debris left around the site.



Plate 23:

Further general waste and debris left around the site.



Plate 24:

Recycled plastic debris.



Cont'd overleaf.../

Plate 25:

Recycled plastic debris.



Plate 26:

Concrete retaining structure.



Plate 27:

Concrete retaining structure remains.



Cont'd overleaf.../

Plate 28:

General debris.



Plate 29:

Waste remains on site.



Plate 30:

Concrete plinths remain on site.



Cont'd overleaf.../

2.0 AREAS OF DAMAGE Cont'd

2.4 Photos 21 to 30 Areas of general waste – left behind on site, from the previous tenant. With the exception of damage previously noted in Photo 15, the condition of the slab given the nature of previous use we deem to be in a good condition.

2.5 Whilst on site Mr Sylvester notified us that during his window sampling Test Hole No 4, which is located on drawing 180232/10-1 the drilling rig penetrated the concrete to a depth of approximately 300mm, before dropping sharply to depth of around 1.2 metres, suggesting that a large void is located in this area beneath the slab.

3.0 CONCLUSIONS AND RECOMMENDATIONS

3.1 Due to the non-intrusive nature of the survey, it could not be determined what the extent of this void is nor whether there were any further voids under the slabs within the proximity of the site.

3.2 Ground water level was located directly below the concrete and was noted to be extremely silty.

3.3 We are therefore of the opinion that lowering a camera down to the hole would not be clear enough to show the extent of the void. There is a possibility that a survey using ground penetrating radar may pick up the voids underneath. However, this is dependent on the thickness of the concrete and strength of the radar signal used.

However, we do believe that this an option that could be explored further.

3.0 CONCLUSIONS AND RECOMMENDATIONS Cont'd

3.4 In conclusion, we believe that the area of docks is in good condition considering its form of use, however the site would benefit from the general clear up of remaining waste and debris left by the former tenants and light patch repairs of areas noted within this report.

3.5 The area in photo 15, may require some further extensive cleaning, scabbling and an appropriate product used such as Sikka MonoTop 614F, to reinstate the concrete cover which has been compromised.

3.6 It should be noted that although the condition is noted as good, this does not dismiss the requirement for regular maintenance to the whole site if the lifespan of the dock is to be maximised.

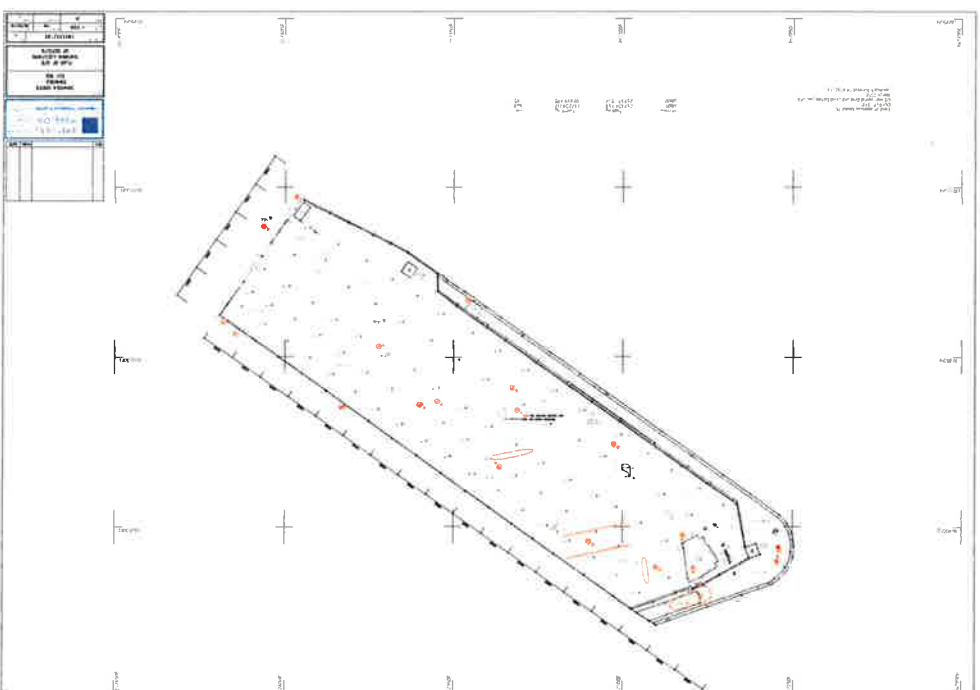
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We trust that the above is acceptable, however should you have any queries please do not hesitate to contact the undersigned.

Yours faithfully
SMITHERS PURSLOW


C LAUGHTON
Structural Engineer

Encs Drawing No. 180232/101





Annex E: Window Sample Logs

Project Site Investigation at Graigola Wharf, Swansea Docks, Lockhead, King's Dock, Swansea SA1 1QR		Date Start: 06/03/18 Finish: 06/03/18	Co-ordinates 267388.037 192321.378	Reference <h1>WS01</h1>
Client Celsa Manufacturing (UK) Ltd	Project Ref. 017-1574	Datum 7.621 m AOD	Sheet 01 of 01	
Plant and Equipment Used Cook Ground Investigation Limited - Global GEO Rig		Logged by MS		

Depth	Geology	Description	Elevation	Well Installation	Water	Sample No.	Lab Analysis	PID Readings
0.0								0 50 100 150 200
		MADE GROUND – Concrete (breaker used)	0.0-0.2					
			0.2-0.3					
0.5		MADE GROUND – Hardcore base with brick, dry, no odour				WS01 Soil 0.5-0.9m	Suite B ACM	0.0 ppm
		MADE GROUND – Black silt with lots of coal, some brick and wood fragments, dry, no odour (poor recovery)	0.3-0.9					
1.0			0.9-1.1					
1.5		MADE GROUND – Concrete lump				WS01 Soil 1.5-1.9m	Suite B SVOC VOC	0.0 ppm
2.0		MADE GROUND – Brown silty sand with rounded gravel, damp, no odour (poor recovery)	1.1-2.0					
2.5								
3.0								
3.5		MADE GROUND – Loose, brown silty sand with rounded gravel, some concrete fragments, wet, no odour (poor recovery)	2.0-4.0					
4.0								
4.5		MADE GROUND – Very loose, brown silty sand with rounded gravel, some concrete fragments, very wet, no odour (poor recovery)						
5.0			4.0-5.0					


Remarks

Moved original location after refusal at 0.5 m bgl. Very poor recovery after 1.0m bgl within windowless plastic liners. Hole collapsed upon removal of sample tubes. Only able to install to 2.6 m bgl. END @ 5.0m MADE GROUND.

Note: These logs are based on driller/environmental observations and are logged generally in accordance with BS 5930:2015 Code of practice for site investigations. These field observations should not be used for design and/or engineering purposes.



Project Site Investigation at Graigola Wharf, Swansea Docks, Lockhead, King's Dock, Swansea SA1 1QR		Date Start: 06/03/18 Finish: 06/03/18	Co-ordinates 267356.107 192357.14	Reference <h1>WS02</h1>
Client Celsa Manufacturing (UK) Ltd	Project Ref. 017-1574	Datum 7.017 m AOD	Sheet 01 of 01	
Plant and Equipment Used Cook Ground Investigation Limited - Global GEO Rig		Logged by MS		

Depth	Geology	Description	Elevation	Well Installation	Water	Sample No.	Lab Analysis	PID Readings				
								0	50	100	150	200
0.0		MADE GROUND – Concrete (breaker used)	0.0-0.15									
0.5												
1.0		MADE GROUND – Hardcore base and concrete fragments – refusal at 1.0m bgl	0.15-1.0									
1.5		End @ 1.0m MADE GROUND										
2.0												
2.5												
3.0												
3.5												
4.0												
4.5												
5.0												


Remarks

Unable to progress past 1.0 m bgl due to concrete fragments/pieces.



Note: These logs are based on driller/environmental observations and are logged generally in accordance with BS 5930:2015 Code of practice for site investigations. These field observations should not be used for design and/or engineering purposes.

Project Site Investigation at Graigola Wharf, Swansea Docks, Lockhead, King's Dock, Swansea SA1 1QR		Date Start: 06/03/18 Finish: 06/03/18	Co-ordinates 267354.883 192375.039	Reference WS03
Client Celsa Manufacturing (UK) Ltd	Project Ref. 017-1574	Datum 6.987 m AOD	Sheet 01 of 01	
Plant and Equipment Used Cook Ground Investigation Limited - Global GEO Rig		Logged by MS		

Depth	Geology	Description	Elevation	Well Installation	Water	Sample No.	Lab Analysis	PID Readings				
								0	50	100	150	200
0.0		MADE GROUND – Concrete (breaker used)	0.0-0.15									
0.5		MADE GROUND – Black coal fragments with concrete fragments, dry, no odour – refusal at 0.6 m bgl	0.15-0.6			WS03 Soil 0.2-0.6m	Suite B					
1.0		End @ 0.6m MADE GROUND										
1.5												
2.0												
2.5												
3.0												
3.5												
4.0												
4.5												
5.0												

Remarks

Unable to progress past 0.6 m bgl due to concrete fragments/pieces.



Note: These logs are based on driller/environmental observations and are logged generally in accordance with BS 5930:2015 Code of practice for site investigations. These field observations should not be used for design and/or engineering purposes.

Project Site Investigation at Graigola Wharf, Swansea Docks, Lockhead, King's Dock, Swansea SA1 1QR		Date Start: 06/03/18 Finish: 06/03/18	Co-ordinates 267334.631 92367.98	Reference WS04
Client Celsa Manufacturing (UK) Ltd	Project Ref. 017-1574	Datum 6.886 m AOD	Sheet 01 of 01	
Plant and Equipment Used Cook Ground Investigation Limited - Global GEO Rig		Logged by MS		

Depth	Geology	Description	Elevation	Well Installation	Water	Sample No.	Lab Analysis	PID Readings 0 50 100 150 200
0.0		MADE GROUND – Concrete (breaker used)	0.0-0.2					
0.5						WS04 Soil 1.5-2.0m	Suite B SOM SVOC VOC	0.0 ppm
1.0		Void – no recovery by drilling crew	0.2-1.1					
1.5		MADE GROUND – Black coal layer, dry, no odour	1.1-1.5					
2.0								
2.5								
3.0		MADE GROUND – Brown sandy silt with rounded gravel, wet, no odour	1.5-3.0					
3.5						WS04 Soil 3.5-4.0m	Suite B	0.0 ppm
4.0		MADE GROUND – Loose brown sandy silt with rounded gravel, very wet, no odour	3.0-4.0					
4.5		End @ 4.0m MADE GROUND						
5.0								

Remarks
Very poor recovery after 1.0m bgl within windowless plastic liners. Hole collapsed upon removal of sample tubes. Only able to install to 3.04 m bgl.



Note: These logs are based on driller/environmental observations and are logged generally in accordance with BS 5930:2015 Code of practice for site investigations. These field observations should not be used for design and/or engineering purposes.

Project Site Investigation at Graigola Wharf, Swansea Docks, Lockhead, King's Dock, Swansea SA1 1QR		Date Start: 06/03/18 Finish: 06/03/18	Co-ordinates 267285.365 192397.049	Reference <h1>WS05</h1>
Client Celsa Manufacturing (UK) Ltd	Project Ref. 017-1574	Datum 6.298 m AOD	Sheet 01 of 01	
Plant and Equipment Used Cook Ground Investigation Limited - Global GEO Rig		Logged by MS		

Depth	Geology	Description	Elevation	Well Installation	Water	Sample No.	Lab Analysis	PID Readings
								0 50 100 150 200
0.0			0.0-0.18					
		MADE GROUND – Concrete (breaker used)	0.18-0.4					
0.5		MADE GROUND – Hardcore with concrete fragments	0.4-0.8					
1.0		MADE GROUND – Black coal layer, dry, no odour						
1.5						WS05 Soil 1.0-1.4m	Suite B SOM SVOC VOC	0.5 ppm
2.0		MADE GROUND – Loose brown sandy silt with rounded gravel, dry, no odour	0.8-2.0					
2.5						WS05 Soil 2.2-2.8m	Suite B	0.4 ppm
3.0		MADE GROUND – Loose brown sandy silt with rounded gravel, very wet, no odour	0.8-2.0					
3.5		End @ 3.0m MADE GROUND						
4.0								
4.5								
5.0								

Remarks Very poor recovery within windowless plastic liners.
--



Note: These logs are based on driller/environmental observations and are logged generally in accordance with BS 5930:2015 Code of practice for site investigations. These field observations should not be used for design and/or engineering purposes.

Project Site Investigation at Graigola Wharf, Swansea Docks, Lockhead, King's Dock, Swansea SA1 1QR		Date Start: 06/03/18 Finish: 06/03/18	Co-ordinates 267319.083 192401.661	Reference WS06
Client Celsa Manufacturing (UK) Ltd	Project Ref. 017-1574	Datum 6.529 m AOD	Sheet 01 of 01	
Plant and Equipment Used Cook Ground Investigation Limited - Global GEO Rig		Logged by MS		



Depth	Geology	Description	Elevation	Well Installation	Water	Sample No.	Lab Analysis	PID Readings
								050100150200
0.0		MADE GROUND – Concrete (breaker used)	0.0-0.18			WS06 Soil 0.2-0.5m	Suite B ACM	0.0 ppm
0.5		MADE GROUND – Hardcore with concrete fragments	0.18-0.5					
		MADE GROUND – Black coal layer, dry, no odour	0.5-0.7					
1.0		MADE GROUND – Red brick layer, dry, no odour	0.7-0.9			WS06 Soil 1.0-1.4m	Suite B	0.0 ppm
1.5		MADE GROUND – Black coal layer, dry, no odour	0.9-1.5					
2.0								
2.5								
3.0		MADE GROUND – Very loose, black coal layer, very wet, no odour	1.5-2.8					
		MADE GROUND – Loose brown sandy silt with rounded gravel, very wet, no odour	2.8-3.0					
4.0		End @ 3.0m MADE GROUND						
4.5								
5.0								

Remarks WS hole collapsed at 3.0 m bgl only able to install 2 m of pipework.



Note: These logs are based on driller/environmental observations and are logged generally in accordance with BS 5930:2015 Code of practice for site investigations. These field observations should not be used for design and/or engineering purposes.

Project Site Investigation at Graigola Wharf, Swansea Docks, Lockhead, King's Dock, Swansea SA1 1QR		Date Start: 06/03/18 Finish: 06/03/18	Co-ordinates 267315.496 192370.187	Reference WS07
Client Celsa Manufacturing (UK) Ltd	Project Ref. 017-1574	Datum 6.719 m AOD	Sheet 01 of 01	
Plant and Equipment Used Cook Ground Investigation Limited - Global GEO Rig		Logged by MS		

Depth	Geology	Description	Elevation	Well Installation	Water	Sample No.	Lab Analysis	PID Readings																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
								0	50	100	150	200																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
0.0		MADE GROUND – Concrete (breaker used)	0.0-0.2			WS07 Soil 1.1-1.2m	Suite B	 0.0 ppm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						

Remarks



Note: These logs are based on driller/environmental observations and are logged generally in accordance with BS 5930:2015 Code of practice for site investigations. These field observations should not be used for design and/or engineering purposes.

Project Site Investigation at Graigola Wharf, Swansea Docks, Lockhead, King's Dock, Swansea SA1 1QR		Date Start: 06/03/18 Finish: 06/03/18	Co-ordinates 267359.177 192340.249	Reference WS08
Client Celsa Manufacturing (UK) Ltd	Project Ref. 017-1574	Datum 6.753 m AOD	Sheet 01 of 01	
Plant and Equipment Used Cook Ground Investigation Limited - Global GEO Rig		Logged by MS		


Depth	Geology	Description	Elevation	Well Installation	Water	Sample No.	Lab Analysis	PID Readings
								050100150200
0.0		MADE GROUND – Concrete (breaker used)	0.0-0.2			WS08 Soil 0.2-0.4m	Suite B ACM SVOC VOC	2.6 ppm
			0.2-0.4					
0.5		MADE GROUND – Grey hardcore with concrete fragments, wet				WS08 Soil 1.2-1.5m	Suite B	0.1 ppm
1.0		MADE GROUND – Black coal layer, dry, no odour	0.4-0.9					
1.5		MADE GROUND – Soft brown sandy silt with rounded gravel, damp to wet, no odour	1.0-1.9					
2.5								
3.0		End @ 2.5m MADE GROUND						
3.5								
4.0								
4.5								
5.0								

Remarks WS hole collapsed at 2.5 m bgl.
--



Note: These logs are based on driller/environmental observations and are logged generally in accordance with BS 5930:2015 Code of practice for site investigations. These field observations should not be used for design and/or engineering purposes.

Project Site Investigation at Graigola Wharf, Swansea Docks, Lockhead, King's Dock, Swansea SA1 1QR		Date Start: 06/03/18 Finish: 06/03/18	Co-ordinates 267395.428 192342.573	Reference WS09
Client Celsa Manufacturing (UK) Ltd	Project Ref. 017-1574	Datum 7.504 m AOD	Sheet 01 of 01	
Plant and Equipment Used Cook Ground Investigation Limited - Global GEO Rig		Logged by MS		

Depth	Geology	Description	Elevation	Well Installation	Water	Sample No.	Lab Analysis	PID Readings				
								0	50	100	150	200
0.0		MADE GROUND: Concrete (breaker used)	0.0-0.12									
0.5		MADE GROUND: Hardcore base layer – refusal at 0.48 m bgl	0.12-0.48									
1.0		End @ 0.48m MADE GROUND										
1.5												
2.0												
2.5												
3.0												
3.5												
4.0												
4.5												
5.0												

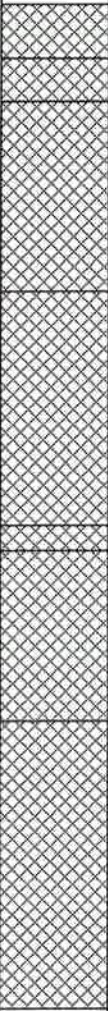
Remarks

Unable to progress past 0.48 m bgl due to concrete fragments/pieces.



Note: These logs are based on driller/environmental observations and are logged generally in accordance with BS 5930:2015 Code of practice for site investigations. These field observations should not be used for design and/or engineering purposes.

Project Site Investigation at Graigola Wharf, Swansea Docks, Lockhead, King's Dock, Swansea SA1 1QR		Date Start: 06/03/18 Finish: 06/03/18	Co-ordinates 267295.981 192412.816	Reference WS10
Client Celsa Manufacturing (UK) Ltd	Project Ref. 017-1574	Datum 6.265 m AOD	Sheet 01 of 01	
Plant and Equipment Used Cook Ground Investigation Limited - Global GEO Rig		Logged by MS		

Depth	Geology	Description	Elevation	Well Installation	Water	Sample No.	Lab Analysis	PID Readings
								050100150200
0.0		MADE GROUND – Concrete (breaker used)	0.0-0.15			WS10 Soil 1.0-1.5m	Suite B ACM	0.4 ppm
			0.15-0.3					
0.5		MADE GROUND – Brown sandy gravel, dry, no odour						
1.0		MADE GROUND – Black coal layer, dry, no odour	0.3-1.0			WS10 Soil 1.8-1.9m	Suite B SVOC VOC	0.7 ppm
1.5		MADE GROUND – Black sandy gravel (with coal), wet, slight organic odour	1.0-1.8					
2.0		MADE GROUND – Blue sandy lump, dry, slight organic odour	1.8-1.9					
2.5		MADE GROUND – Black silty sand with gravel/coal fragments, wet, no odour	1.9-2.5			WS10 Soil 2.5-3.09m	Suite B	0.7 ppm
3.0		MADE GROUND – Soft brown sandy silt gravel, wet, no odour	2.5-3.5					
3.5		End @ 3.5m MADE GROUND						
4.0								
4.5								
5.0								






















Remarks



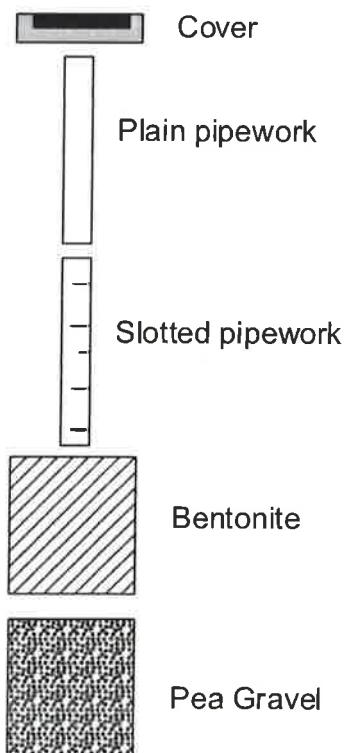
Note: These logs are based on driller/environmental observations and are logged generally in accordance with BS 5930:2015 Code of practice for site investigations. These field observations should not be used for design and/or engineering purposes.

Symbols for Soils and Rocks

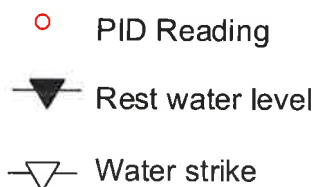
British Standards Institute (1999). BS 5930:2015
Code of practice for site investigations.

Soils	Sedimentary	Metamorphic	Igneous
 Made Ground	 Chalk	 Coarse grained	 Coarse grained
 Gravel	 Limestone	 Medium grained	 Medium grained
 Sand	 Sandstone	 Fine grained	 Fine grained
 Silt	 Siltstone	 Pyroclastic	
 Clay	 Mudstone		
 Peat	 Shale		
 Silty Sand	 Coal		

Well Installation



Monitoring



Laboratory Analysis

Suite B – Arsenic (dissolved), Cadmium (dissolved), Chromium (dissolved), Lead (dissolved), Mercury (dissolved), Selenium (dissolved), Copper (dissolved), Nickel (dissolved), Zinc (dissolved), Vanadium (dissolved), Beryllium (dissolved), Water Soluble Boron, Total Cyanide, Monohydric Phenols, pH Value, TPH - CWG (C5-35) Aliphatic/Aromatic Split (with CWG banding - Ali C5-6,>6-8,>8-10,>10-12,>12-16,>16-21,>21-35) (Aro - >C6-7,>7-8,>8-10,>C10-12,>12-16,>16-21,>21-35) Speciated PAHs (USEPA-16), Sulphate (water soluble).

Cr (VI) – Chromium (Hexavalent)

VOC – Volatile Organic Compounds

SVOC – Semi-Volatile Organic Compounds

SOM – Soil Organic Matter

ASB – Asbestos

OPP – Organophosphorus Pesticides (OPP)

OCP – Organochlorine Pesticides (OCP)

Tri Herb. – Triazine Herbicides

Analytical Report Number : 18-78278

Project / Site name: SWAN

Your job number: 017-1574

Your order number:

Report Issue Number: 1

Samples Analysed: 16 soil samples

Samples received on: 07/03/2018

Samples instructed on: 08/03/2018

Analysis completed by: 21/03/2018

Report issued on: 21/03/2018

Signed:


Rexona Rahman
Head of Customer Services
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Ponierów 39, 41-711 Rudá Śląska, Poland.

Accredited tests are defined within the report; opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are:

- soils + 4 weeks from reporting
- leachates + 2 weeks from reporting
- waters + 2 weeks from reporting
- asbestos + 5 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

Lab Sample Number	920883	920884	920885	920886	920887
Sample Reference	W501	W501	W503	W504	W504
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	0.5 to 1.0	1.5 to 2.0	0.5 to 1.0	1.5 to 2.0	2.5 to 4.0
Date Sampled	08/03/2018	08/03/2018	08/03/2018	08/03/2018	08/03/2018
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)					
Shore Content	%	0.1	WME	< 0.1	< 0.1
Moisture Content	%	N/A	WME	17	8.8
Total mass of sample received	kg	0.001	WME	0.46	0.68
					0.62

Asbestos in Soil Screen / Identification Name	Type	Chrysotile - Loose Fibres			
Asbestos in Soil	Type	N/A	ISO 17025	Detected	

General Inquiries					
pH (approx)	N/A	MCERTS	10.5	8.5	8.2
Total Organic Carbon	%	MCERTS	< 1	< 1	< 1
Water Soluble-Soluble (21) Leachate	mg/kg	MCERTS	0.19	0.022	0.030
Equivalents	mg/kg	MCERTS			0.049
Organic Matter	%	MCERTS			1.6

Total Periods					
Total Periods (mg/kg)	mg/kg	1	MCERTS	< 1.0	< 1.0

Specified PAHs					
Acenaphthene	mg/kg	0.05	MCERTS	35	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	2.2	< 0.05
Anthracene	mg/kg	0.05	MCERTS	0.5	< 0.05
Benzo[a]anthracene	mg/kg	0.05	MCERTS	4.4	< 0.05
Benzo[b]fluoranthene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[k]fluoranthene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[a]pyrene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[e]pyrene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[g]herylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[h]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[i]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[j]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[k]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[l]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[m]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[n]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[o]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[p]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[q]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[r]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[s]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[t]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[u]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[v]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[w]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[x]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[y]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[z]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[aa]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[ab]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[ac]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[ad]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[ae]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[af]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[ag]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[ah]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[ai]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[aj]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[ak]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[al]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[am]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[an]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[ao]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[ap]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[aq]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[ar]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[as]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[at]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[au]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[av]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[aw]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[ax]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[ay]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[az]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[ba]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[bb]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[bc]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[bd]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[be]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[bf]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[bg]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[bh]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[bi]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[bj]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[bk]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[bl]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[bm]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[bn]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[bo]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[bp]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[bq]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[br]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[bs]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[bt]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[bu]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[bv]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[bw]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[bx]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[by]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[bz]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[ca]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[cb]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[cc]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[cd]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[ce]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[cf]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
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Benzo[cf]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
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Benzo[ce]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[cf]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[cd]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[ce]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[cf]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[cd]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[ce]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[cf]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[cd]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[ce]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[cf]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[cd]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[ce]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
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Benzo[ce]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[cf]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
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Benzo[ce]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[cf]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
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Benzo[cf]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
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Benzo[ce]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
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Benzo[ce]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[cf]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[cd]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[ce]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05
Benzo[cf]perylene	mg/kg	0.05	MCERTS	4.0	< 0.05

Analytical Report Number: 18-78278
Project / Site name: SWAN

Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	
			920683	920684
Lab Sample Number			WSU1	WSU1
Sample Reference			None Supplied	None Supplied
Sample Number			1.56-1.50	1.56-1.50
Depth (m)			0.56-1.50	0.56-1.50
Date Sampled			06/03/2018	06/03/2018
Time Taken			None Supplied	None Supplied
			920683	920684
			WSU1	WSU1
			None Supplied	None Supplied
			1.56-1.50	1.56-1.50
			0.56-1.50	0.56-1.50
			06/03/2018	06/03/2018
			None Supplied	None Supplied
			920683	920684
			WSU1	WSU1
			None Supplied	None Supplied
			1.56-1.50	1.56-1.50
			0.56-1.50	0.56-1.50
			06/03/2018	06/03/2018
			None Supplied	None Supplied
			920683	920684
			WSU1	WSU1
			None Supplied	None Supplied
			1.56-1.50	1.56-1.50
			0.56-1.50	0.56-1.50
			06/03/2018	06/03/2018
			None Supplied	None Supplied
			920683	920684
			WSU1	WSU1
			None Supplied	None Supplied
			1.56-1.50	1.56-1.50
			0.56-1.50	0.56-1.50
			06/03/2018	06/03/2018
			None Supplied	None Supplied
			920683	920684
			WSU1	WSU1
			None Supplied	None Supplied
			1.56-1.50	1.56-1.50
			0.56-1.50	0.56-1.50
			06/03/2018	06/03/2018
			None Supplied	None Supplied
			920683	920684
			WSU1	WSU1
			None Supplied	None Supplied
			1.56-1.50	1.56-1.50
			0.56-1.50	0.56-1.50
			06/03/2018	06/03/2018
			None Supplied	None Supplied
			920683	920684
			WSU1	WSU1
			None Supplied	None Supplied
			1.56-1.50	1.56-1.50
			0.56-1.50	0.56-1.50
			06/03/2018	06/03/2018
			None Supplied	None Supplied
			920683	920684
			WSU1	WSU1
			None Supplied	None Supplied
			1.56-1.50	1.56-1.50
			0.56-1.50	0.56-1.50
			06/03/2018	06/03/2018
			None Supplied	None Supplied
			920683	920684
			WSU1	WSU1
			None Supplied	None Supplied
			1.56-1.50	1.56-1.50
			0.56-1.50	0.56-1.50
			06/03/2018	06/03/2018
			None Supplied	None Supplied
			920683	920684
			WSU1	WSU1
			None Supplied	None Supplied
			1.56-1.50	1.56-1.50
			0.56-1.50	0.56-1.50
			06/03/2018	06/03/2018
			None Supplied	None Supplied
			920683	920684
			WSU1	WSU1
			None Supplied	None Supplied
			1.56-1.50	1.56-1.50
			0.56-1.50	0.56-1.50
			06/03/2018	06/03/2018
			None Supplied	None Supplied
			920683	920684
			WSU1	WSU1
			None Supplied	None Supplied

Monocaromatics

Reference	Method	Accuracy	Time
[10]	MLP	~90%	~10s
[11]	MLP	~90%	~10s
[12]	MLP	~90%	~10s
[13]	MLP	~90%	~10s
[14]	MLP	~90%	~10s
[15]	MLP	~90%	~10s
[16]	MLP	~90%	~10s
[17]	MLP	~90%	~10s
[18]	MLP	~90%	~10s
[19]	MLP	~90%	~10s
[20]	MLP	~90%	~10s
[21]	MLP	~90%	~10s
[22]	MLP	~90%	~10s
[23]	MLP	~90%	~10s
[24]	MLP	~90%	~10s
[25]	MLP	~90%	~10s
[26]	MLP	~90%	~10s
[27]	MLP	~90%	~10s
[28]	MLP	~90%	~10s
[29]	MLP	~90%	~10s
[30]	MLP	~90%	~10s
[31]	MLP	~90%	~10s
[32]	MLP	~90%	~10s
[33]	MLP	~90%	~10s
[34]	MLP	~90%	~10s
[35]	MLP	~90%	~10s
[36]	MLP	~90%	~10s
[37]	MLP	~90%	~10s
[38]	MLP	~90%	~10s
[39]	MLP	~90%	~10s
[40]	MLP	~90%	~10s
[41]	MLP	~90%	~10s
[42]	MLP	~90%	~10s
[43]	MLP	~90%	~10s
[44]	MLP	~90%	~10s
[45]	MLP	~90%	~10s
[46]	MLP	~90%	~10s
[47]	MLP	~90%	~10s
[48]	MLP	~90%	~10s
[49]	MLP	~90%	~10s
[50]	MLP	~90%	~10s
[51]	MLP	~90%	~10s
[52]	MLP	~90%	~10s
[53]	MLP	~90%	~10s
[54]	MLP	~90%	~10s
[55]	MLP	~90%	~10s
[56]	MLP	~90%	~10s
[57]	MLP	~90%	~10s
[58]	MLP	~90%	~10s
[59]	MLP	~90%	~10s
[60]	MLP	~90%	~10s
[61]	MLP	~90%	~10s
[62]	MLP	~90%	~10s
[63]	MLP	~90%	~10s
[64]	MLP	~90%	~10s
[65]	MLP	~90%	~10s
[66]	MLP	~90%	~10s
[67]	MLP	~90%	~10s
[68]	MLP	~90%	~10s
[69]	MLP	~90%	~10s
[70]	MLP	~90%	~10s
[71]	MLP	~90%	~10s
[72]	MLP	~90%	~10s
[73]	MLP	~90%	~10s
[74]	MLP	~90%	~10s
[75]	MLP	~90%	~10s
[76]	MLP	~90%	~10s
[77]	MLP	~90%	~10s
[78]	MLP	~90%	~10s
[79]	MLP	~90%	~10s
[80]	MLP	~90%	~10s
[81]	MLP	~90%	~10s
[82]	MLP	~90%	~10s
[83]	MLP	~90%	~10s
[84]	MLP	~90%	~10s
[85]	MLP	~90%	~10s
[86]	MLP	~90%	~10s
[87]	MLP	~90%	~10s
[88]	MLP	~90%	~10s
[89]	MLP	~90%	~10s
[90]	MLP	~90%	~10s
[91]	MLP	~90%	~10s
[92]	MLP	~90%	~10s
[93]	MLP	~90%	~10s
[94]	MLP	~90%	~10s
[95]	MLP	~90%	~10s
[96]	MLP	~90%	~10s
[97]	MLP	~90%	~10s
[98]	MLP	~90%	~10s
[99]	MLP	~90%	~10s
[100]	MLP	~90%	~10s

Petroleum Hydrocarbons

[illegible]

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The results included within the report are representative of the samples submitted for analysis.

Page 3 of 19

Analytical Report Number: 16-78278
Project / Site name: SWAN

Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	Lab Sample Number			
				920883	920884	920885	920886
Sample Reference							
Sample Number							
Sample ID (ID)				W5C1	W5C1	W5C1	W5C4
Sample Weight (g)				0.35 ± 0.06	None Supplied	None Supplied	None Supplied
Dates Collected				1.50 ± 1.00	0.20 ± 0.01	0.20 ± 0.01	1.50 ± 1.00
Time Taken				0.00 ± 0.01	0.00 ± 0.01	0.00 ± 0.01	0.00 ± 0.01
				None Supplied	None Supplied	None Supplied	None Supplied

VOCs

VOCs		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Chlorobenzene	CHLOROBENZENE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Chlorobenzene	CHLOROBENZENE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Chlorobenzene	CHLOROBENZENE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Chlorobenzene	CHLOROBENZENE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98		

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The results included within the report are representative of the samples submitted for analysis.

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Analytical Report Number: 18-78278
Project / Site name: SWAN

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Project / Site name: SWAN

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The results included within the report are representative of the samples submitted for analysis.

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Lab Sample Number	920888	920889	920890	920891	920892
Sample Reference	WSUS	WSUS	WSUS	WSUS	WSUS
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Date/In (s)	1.05-1.40	2.20-2.60	0.20-0.50	1.05-1.40	1.10-1.50
Date/Out (s)	09/03/2018	09/03/2018	09/03/2018	09/03/2018	09/03/2018
Date/In Sampled	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Time Taken					
Analytical Parameter (Soil Analysis)					
	Limit of detection	Accreditation Status			
Stove Control	%	0.1	NONE	< 0.1	< 0.1
Mixtures Control	%	N/A	NONE	7.5	6.6
Total mass of sample received	kg	0.001	NONE	0.61	0.50
					0.50
Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 7703		Chrysotile, Amosite, Loose Fibres
Asbestos in Soil	Type	N/A	ISO 7703		Detected
General Inorganics					
pH - Automated					
Total Solids mg/kg	N/A	MCERTS	0.2	8.3	8.5
Total Suspended Solids mg/kg	N/A	MCERTS	< 1	< 1	< 1
Total Soluble Solids mg/kg	N/A	MCERTS	0.022	0.020	1.8
Organic Matter %	0.0075	MCERTS	1.6		0.37
	%	0.1	MCERTS		0.37
Total Phosphorus					
Total Phosphorus (mg/kg)	1	MCERTS	< 1.0	< 1.0	< 1.0
Specified PAHs					
Benzo(a)anthracene mg/kg	0.03	MCERTS	< 0.05	< 0.05	5.2
Benzo(a)fluoranthene mg/kg	0.03	MCERTS	< 0.05	< 0.05	0.61
Benzo(b)fluoranthene mg/kg	0.03	MCERTS	1.1	0.26	8.5
Benzo(k)fluoranthene mg/kg	0.03	MCERTS	0.87	0.38	5.6
Benzo(e)pyrene mg/kg	0.05	MCERTS	1.2	3.0	7.2
Benzo(g,h,i)perylene mg/kg	0.05	MCERTS	2.2	0.57	16
Benzo(a)pyrene mg/kg	0.05	MCERTS	14	4.0	120
Benzo(b)pyrene mg/kg	0.05	MCERTS	11	3.0	120
Benzo(k)pyrene mg/kg	0.05	MCERTS	5.0	1.8	63
Benzo(a)anthracene mg/kg	0.05	MCERTS	5.2	1.8	63
Benzo(b)fluoranthene mg/kg	0.05	MCERTS	5.2	1.8	63
Benzo(k)fluoranthene mg/kg	0.05	MCERTS	5.2	1.8	63
Benzo(e)pyrene mg/kg	0.05	MCERTS	5.2	1.8	63
Benzo(g,h,i)perylene mg/kg	0.05	MCERTS	5.2	1.8	63
Benzo(a)pyrene mg/kg	0.05	MCERTS	5.2	1.8	63
Benzo(b)pyrene mg/kg	0.05	MCERTS	5.2	1.8	63
Benzo(k)pyrene mg/kg	0.05	MCERTS	5.2	1.8	63
Benzo(a)anthracene mg/kg	0.05	MCERTS	5.2	1.8	63
Benzo(b)fluoranthene mg/kg	0.05	MCERTS	5.2	1.8	63
Benzo(k)fluoranthene mg/kg	0.05	MCERTS	5.2	1.8	63
Benzo(e)pyrene mg/kg	0.05	MCERTS	5.2	1.8	63
Benzo(g,h,i)perylene mg/kg	0.05	MCERTS	5.2	1.8	63
Benzo(a)pyrene mg/kg	0.05	MCERTS	5.2	1.8	63
Benzo(b)pyrene mg/kg	0.05	MCERTS	5.2	1.8	63
Benzo(k)pyrene mg/kg	0.05	MCERTS	5.2	1.8	63
Benzo(a)anthracene mg/kg	0.05	MCERTS	5.2	1.8	63
Benzo(b)fluoranthene mg/kg	0.05	MCERTS	5.2	1.8	63
Benzo(k)fluoranthene mg/kg	0.05	MCERTS	5.2	1.8	63
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Benzo(e)pyrene mg/kg	0.05	MCERTS	5.2	1.8	63
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Benzo(k)pyrene mg/kg	0.05	MCERTS	5.2	1.8	63
Benzo(a)anthracene mg/kg	0.05	MCERTS	5.2	1.8	63
Benzo(b)fluoranthene mg/kg	0.05	MCERTS	5.2	1.8	63
Benzo(k)fluoranthene mg/kg	0.05	MCERTS	5.2	1.8	63

metal	0.05	0.15	0.25	0.35	0.45	0.55	0.65	0.75	0.85	0.95	1.05	1.15	1.25	1.35	1.45	1.55	1.65	1.75	1.85	1.95	2.05	2.15	2.25	2.35	2.45	2.55	2.65	2.75	2.85	2.95	3.05	3.15	3.25	3.35	3.45	3.55	3.65	3.75	3.85	3.95	4.05	4.15	4.25	4.35	4.45	4.55	4.65	4.75	4.85	4.95	5.05	5.15	5.25	5.35	5.45	5.55	5.65	5.75	5.85	5.95	6.05	6.15	6.25	6.35	6.45	6.55	6.65	6.75	6.85	6.95	7.05	7.15	7.25	7.35	7.45	7.55	7.65	7.75	7.85	7.95	8.05	8.15	8.25	8.35	8.45	8.55	8.65	8.75	8.85	8.95	9.05	9.15	9.25	9.35	9.45	9.55	9.65	9.75	9.85	9.95	10.05	10.15	10.25	10.35	10.45	10.55	10.65	10.75	10.85	10.95	11.05	11.15	11.25	11.35	11.45	11.55	11.65	11.75	11.85	11.95	12.05	12.15	12.25	12.35	12.45	12.55	12.65	12.75	12.85	12.95	13.05	13.15	13.25	13.35	13.45	13.55	13.65	13.75	13.85	13.95	14.05	14.15	14.25	14.35	14.45	14.55	14.65	14.75	14.85	14.95	15.05	15.15	15.25	15.35	15.45	15.55	15.65	15.75	15.85	15.95	16.05	16.15	16.25	16.35	16.45	16.55	16.65	16.75	16.85	16.95	17.05	17.15	17.25	17.35	17.45	17.55	17.65	17.75	17.85	17.95	18.05	18.15	18.25	18.35	18.45	18.55	18.65	18.75	18.85	18.95	19.05	19.15	19.25	19.35	19.45	19.55	19.65	19.75	19.85	19.95	20.05	20.15	20.25	20.35	20.45	20.55	20.65	20.75	20.85	20.95	21.05	21.15	21.25	21.35	21.45	21.55	21.65	21.75	21.85	21.95	22.05	22.15	22.25	22.35	22.45	22.55	22.65	22.75	22.85	22.95	23.05	23.15	23.25	23.35	23.45	23.55	23.65	23.75	23.85	23.95	24.05	24.15	24.25	24.35	24.45	24.55	24.65	24.75	24.85	24.95	25.05	25.15	25.25	25.35	25.45	25.55	25.65	25.75	25.85	25.95	26.05	26.15	26.25	26.35	26.45	26.55	26.65	26.75	26.85	26.95	27.05	27.15	27.25	27.35	27.45	27.55	27.65	27.75	27.85	27.95	28.05	28.15	28.25	28.35	28.45	28.55	28.65	28.75	28.85	28.95	29.05	29.15	29.25	29.35	29.45	29.55	29.65	29.75	29.85	29.95	30.05	30.15	30.25	30.35	30.45	30.55	30.65	30.75	30.85	30.95	31.05	31.15	31.25	31.35	31.45	31.55	31.65	31.75	31.85	31.95	32.05	32.15	32.25	32.35	32.45	32.55	32.65	32.75	32.85	32.95	33.05	33.15	33.25	33.35	33.45	33.55	33.65	33.75	33.85	33.95	34.05	34.15	34.25	34.35	34.45	34.55	34.65	34.75	34.85	34.95	35.05	35.15	35.25	35.35	35.45	35.55	35.65	35.75	35.85	35.95	36.05	36.15	36.25	36.35	36.45	36.55	36.65	36.75	36.85	36.95	37.05	37.15	37.25	37.35	37.45	37.55	37.65	37.75	37.85	37.95	38.05	38.15	38.25	38.35	38.45	38.55	38.65	38.75	38.85	38.95	39.05	39.15	39.25	39.35	39.45	39.55	39.65	39.75	39.85	39.95	40.05	40.15	40.25	40.35	40.45	40.55	40.65	40.75	40.85	40.95	41.05	41.15	41.25	41.35	41.45	41.55	41.65	41.75	41.85	41.95	42.05	42.15	42.25	42.35	42.45	42.55	42.65	42.75	42.85	42.95	43.05	43.15	43.25	43.35	43.45	43.55	43.65	43.75	43.85	43.95	44.05	44.15	44.25	44.35	44.45	44.55	44.65	44.75	44.85	44.95	45.05	45.15	45.25	45.35	45.45	45.55	45.65	45.75	45.85	45.95	46.05	46.15	46.25	46.35	46.45	46.55	46.65	46.75	46.85	46.95	47.05	47.15	47.25	47.35	47.45	47.55	47.65	47.75	47.85	47.95	48.05	48.15	48.25	48.35	48.45	48.55	48.65	48.75	48.85	48.95	49.05	49.15	49.25	49.35	49.45	49.55	49.65	49.75	49.85	49.95	50.05	50.15	50.25	50.35	50.45	50.55	50.65	50.75	50.85	50.95	51.05	51.15	51.25	51.35	51.45	51.55	51.65	51.75	51.85	51.95	52.05	52.15	52.25	52.35	52.45	52.55	52.65	52.75	52.85	52.95	53.05	53.15	53.25	53.35	53.45	53.55	53.65	53.75	53.85	53.95	54.05	54.15	54.25	54.35	54.45	54.55	54.65	54.75	54.85	54.95	55.05	55.15	55.25	55.35	55.45	55.55	55.65	55.75	55.85	55.95	56.05	56.15	56.25	56.35	56.45	56.55	56.65	56.75	56.85	56.95	57.05	57.15	57.25	57.35	57.45	57.55	57.65	57.75	57.85	57.95	58.05	58.15	58.25	58.35	58.45	58.55	58.65	58.75	58.85	58.95	59.05	59.15	59.25	59.35	59.45	59.55	59.65	59.75	59.85	59.95	60.05	60.15	60.25	60.35	60.45	60.55	60.65	60.75	60.85	60.95	61.05	61.15	61.25	61.35	61.45	61.55	61.65	61.75	61.85	61.95	62.05	62.15	62.25	62.35	62.45	62.55	62.65	62.75	62.85	62.95	63.05	63.15	63.25	63.35	63.45	63.55	63.65	63.75	63.85	63.95	64.05	64.15	64.25	64.35	64.45	64.55	64.65	64.75	64.85	64.95	65.05	65.15	65.25	65.35	65.45	65.55	65.65	65.75	65.85	65.95	66.05	66.15	66.25	66.35	66.45	66.55	66.65	66.75	66.85	66.95	67.05	67.15	67.25	67.35	67.45	67.55	67.65	67.75	67.85	67.95	68.05	68.15	68.25	68.35	68.45	68.55	68.65	68.75	68.85	68.95	69.05	69.15	69.25	69.35	69.45	69.55	69.65	69.75	69.85	69.95	70.05	70.15	70.25	70.35	70.45	70.55	70.65	70.75	70.85	70.95	71.05	71.15	71.25	71.35	71.45	71.55	71.65	71.75	71.85	71.95	72.05	72.15	72.25	72.35	72.45	72.55	72.65	72.75	72.85	72.95	73.05	73.15	73.25	73.35	73.45	73.55	73.65	73.75	73.85	73.95	74.05	74.15	74.25	74.35	74.45	74.55	74.65	74.75	74.85	74.95	75.05	75.15	75.25	75.35	75.45	75.55	75.65	75.75	75.85	75.95	76.05	76.15	76.25	76.35	76.45	76.55	76.65	76.75	76.85	76.95	77.05	77.15	77.25	77.35	77.45	77.55	77.65	77.75	77.85	77.95	78.05	78.15	78.25	78.35	78.45	78.55	78.65	78.75	78.85	78.95	79.05	79.15	79.25	79.35	79.45	79.55	79.65	79.75	79.85	79.95	80.05	80.15	80.25	80.35	80.45	80.55	80.65	80.75	80.85	80.95	81.05	81.15	81.25	81.35	81.45	81.55	81.65	81.75	81.85	81.95	82.05	82.15	82.25	82.35	82.45	82.55	82.65	82.75	82.85	82.95	83.05	83.15	83.25	83.35	83.45	83.55	83.65	83.75	83.85	83.95	84.05	84.15	84.25	84.35	84.45	84.55	84.65	84.75	84.85	84.95	85.05	85.15	85.25	85.35	85.45	85.55	85.65	85.75	85.85	85.95	86.05	86.15	86.25	86.35	86.45	86.55	86.65	86.75	86.85	86.95	87.05	87.15	87.25	87.35	87.45	87.55	87.65	87.75	87.85	87.95	88.05	88.15	88.25	88.35	88.45	88.55	88.65	88.75	88.85	88.95	89.05	89.15	89.25	89.35	89.45	89.55	89.65	89.75	89.85	89.95	90.05	90.15	90.25	90.35	90.45	90.55	90.65	90.75	90.85	90.95	91.05	91.15	91.25	91.35	91.45	91.55	91.65	91.75	91.85	91.95	92.05	92.15	92.25	92.35	92.45	92.55	92.65	92.75	92.85	92.95	93.05	93.15	93.25	93.35	93.45	93.55	93.65	93.75	93.85	93.95	94.05	94.15	94.25	94.35	94.45	94.55	94.65	94.75	94.85	94.95	95.05	95.15	95.25	95.35	95.45	95.55	95.65	95.75	95.85	95.95	96.05	96.15	96.25	96.35	96.45	96.55	96.65	96.75	96.85	96.95	97.05	97.15	97.25	97.35	97.45	97.55	97.65	97.75	97.85	97.95	98.05	98.15	98.25	98.35	98.45	98.55	98.65	98.75	98.85	98.95	99.05	99.15	99.25	99.35	99.45	99.55	99.65	99.75	99.85	99.95	100.05	100.15	100.25	100.35	100.45	100.55	100.65	100.75	100.85	100.95	101.05	101.15	101.25	101.35	101.45	101.55	101.65	101.75	101.85	101.95	102.05	102.15	102.25	102.35	102.45	102.55	102.65	102.75	102.85	102.95	103.05	103.15	103.25	103.35	103.45	103.55	103.65	103.75	103.85	103.95	104.05	104.15	104.25	104.35	104.45	104.55	104.65	104.75	104.85	104.95	105.05	105.15	105.25	105.35	105.45	105.55	105.65	105.75	105.85	105.95	106.05	106.15	106.25	106.35	106.45	106.55	106.65	106.75	106.85	106.95	107.05	107.15	107.25	107.35	107.45	107.55	107.65	107.75	107.85	107.95	108.05	108.15	108.25	108.35	108.45	108.55	108.65	108.75	108.85	108.95	109.05	109.15	109.25	109.35	109.45	109.55	109.65	109.75	109.85	109.95	110.05	110.15	110.25	110.35	110.45	110.55	110.65	110.75	110.85	110.95	111.05	111.15	111.25	111.35	111.45	111.55	111.65	111.75	111.85	111.95	112.05	112.15	112.25	112.35	112.45	112.55	112.65	112.75	112.85	112.95	113.05	113.15	113.25	113.35	113.45	113.55	113.65	113.75	113.85	113.95	114.05	114.15	114.25	114.35	114.45	114.55	114.65	114.75	114.85	114.95	115.05	115.15	115.25	115.35	115.45	115.55	115.65	115.75	115.85	115.95	116.05	116.15	116.25	116.35	116.45	116.55	116.65	116.75	116.85	116.95	117.05	117.15	117.25	117.35	117.45	117.55	117.65	117.75	117.85	117.95	118.05	118.15	118.25	118.35	118.45	118.55	118.65	118.75	118.85	118.95	119.05	119.15	119.25	119.35	119.45	119.55	119.65	119.75	119.85	119.95	120.05	120.15	120.25	120.35	120.45	120.55	120.65	120.75	120.85	120.95	121.05	121.15	121.25	121.35	121.45	121.55	121.65	121.75	121.85	121.95	122.05	122.15	122.25	122.35	122.45
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Analytical Report Number: 18-78278
Project / Site name: SWAN

Analytical Report Number: 18-78278
Project / Site name: SWAN

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Date Sampled	Time Taken	920888	920889	920990	920991	923992
						WS05 None Supplied 1.00-1.40 0.10-0.50	WS06 None Supplied 2.00-2.40 0.10-0.50	WS09 None Supplied 1.00-1.40 0.10-0.50	WS06 None Supplied 1.00-1.40 0.10-0.50	WS07 None Supplied 1.10-1.50 0.60/0.70/18
						06/03/2018 None Supplied	06/03/2018 None Supplied	06/03/2018 None Supplied	06/03/2018 None Supplied	06/03/2018 None Supplied
Analytical Parameter (Soil Analysis)										
			Units	Limit of detection	Accreditation Status					

[illegible]

Petroleum Hydrocarbons

[illegible]

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The results included within the report are representative of the samples submitted for analysis.

Case No 18-78278-1 SWAN 017-1574
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[illegible]

Lab Sample Number	9208913	920894	920895	920896	920897
Sample Reference	W507	W508	W509	W510	W510
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	2.00-2.50	2.00-2.40	2.00-2.40	2.00-2.40	2.00-2.40
Date Sampled	06/03/2018	06/03/2018	06/03/2018	06/03/2018	06/03/2018
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)					
Units	Accreditation Status				
	Limit of detection				
%	0.1	None	< 0.1	< 0.1	< 0.1
%	N/A	None	9.4	20	12
mg/kg	0.001	None	0.56	0.56	0.49
Total mass of sample received					
Absorbance in Soil Screen / Identification Name					
Type	N/A	ISO 17025			
Time	N/A	ISO 17025			
General Inorganics					
pH Units	N/A	MCERTS	8.5	11.3	8.8
mg/kg	1	MCERTS	< 1	< 1	< 1
mg/kg	0.0025	MCERTS	0.036	0.041	0.069
%	0.1	MCERTS	-	-	-
Total Phosphorus (mg/kg)					
mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Speciated Pairs					
mg/kg	0.05	MCERTS	7.0	< 0.05	0.73
mg/kg	0.05	MCERTS	0.77	< 0.05	< 0.05
mg/kg	0.05	MCERTS	1.7	0.36	0.05
mg/kg	0.05	MCERTS	1.4	< 0.05	1.4
mg/kg	0.05	MCERTS	13	7.6	1.6
mg/kg	0.05	MCERTS	2.8	0.46	0.24
mg/kg	0.05	MCERTS	17	4.3	2.3
mg/kg	0.05	MCERTS	14	1.6	1.8
mg/kg	0.05	MCERTS	4.1	0.93	1.3
mg/kg	0.05	MCERTS	9.9	2.1	0.53
mg/kg	0.05	MCERTS	3.4	0.6	1.1
mg/kg	0.05	MCERTS	6.2	3.5	0.56
mg/kg	0.05	MCERTS	1.2	0.17	0.3
mg/kg	0.05	MCERTS	0.99	0.26	< 0.05
mg/kg	0.05	MCERTS	3.8	1.7	0.46
Total PAH					
mg/kg	0.05	MCERTS	95.0	26.2	10.9
Specialized Total PAH (6 PAHs)					
mg/kg	0.05	MCERTS	17	5.6	7.6
mg/kg	0.05	MCERTS	0.86	0.65	0.42
mg/kg	0.2	MCERTS	0.6	0.7	0.9
mg/kg	0.2	MCERTS	< 0.2	< 0.2	< 0.2
mg/kg	1	MCERTS	12	7.0	10
mg/kg	1	MCERTS	39	11	10
mg/kg	0.3	MCERTS	< 0.3	0.3	0.3
mg/kg	1	MCERTS	36	9.2	4.3
mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
mg/kg	1	MCERTS	18	24	17
mg/kg	1	MCERTS	160	94	51

Analytical Report Number: 18-78278
Project / Site name: SWAN

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Date Sampled	Time Taken	Analytical Parameter (Soil Analysis)		
						Units	Limit of detection	Accreditation Status
520073	V507	V508	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520074	V507	V509	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520075	V507	V510	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520076	V507	V511	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520077	V507	V512	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520078	V507	V513	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520079	V507	V514	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520080	V507	V515	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520081	V507	V516	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520082	V507	V517	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520083	V507	V518	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520084	V507	V519	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520085	V507	V520	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520086	V507	V521	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520087	V507	V522	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520088	V507	V523	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520089	V507	V524	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520090	V507	V525	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520091	V507	V526	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520092	V507	V527	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520093	V507	V528	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520094	V507	V529	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520095	V507	V530	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520096	V507	V531	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520097	V507	V532	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520098	V507	V533	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520099	V507	V534	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520100	V507	V535	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520101	V507	V536	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520102	V507	V537	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520103	V507	V538	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520104	V507	V539	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520105	V507	V540	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520106	V507	V541	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520107	V507	V542	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520108	V507	V543	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520109	V507	V544	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520110	V507	V545	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520111	V507	V546	None Supplied	06/03/2018	None Supplied	g/100g	None Supplied	Accredited
520112								

VOCs		
	mg/L	mg/L
Chloroethane	1	150 DN245
Chloroethene	1	100H
Chloroform	1	150 DN245
Chloromethane	1	150 DN245
1,1-Dichloroethane	1	100H
1,1-Dichloroethene	1	150 DN245
1,1,1-Trichloroethane	1	150 DN245
1,1,1,2-Tetrachloroethane	1	150 DN245
1,1,2,2-Tetrachloroethane	1	150 DN245
1,2-Dichloroethane	1	150 DN245

Petroleum Hydrocarbons

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The results included within the report are representative of the samples submitted for analysis.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Date Sampled	Time Taken	Units	Limit of detection	Accreditation Status	920893	920894	920895	920896	920897
Simple Reference									None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Sample Number									WS08	WS08	WS08	WS10	WS10
Depth (m)									0.20-0.40	0.20-0.40	1.20-1.50	1.20-1.50	1.20-1.50
Date Sampled									06/03/2018	06/03/2018	06/03/2018	06/03/2018	06/03/2018
Time Taken									None Supplied	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)													
SINCS													
ms20	0.1	None							< 0.1	< 0.1	-	-	< 0.1
ms20	0.2	150.17uS							< 0.2	< 0.2	-	-	< 0.2
ms20	0.3	None							< 0.1	< 0.1	-	-	< 0.1
ms20	0.4	None							< 0.2	< 0.2	-	-	< 0.2
ms20	0.5	None							< 0.2	< 0.2	-	-	< 0.2
ms20	0.6	None							< 0.1	< 0.1	-	-	< 0.1
ms20	0.7	None							< 0.2	< 0.2	-	-	< 0.2
ms20	0.8	None							< 0.1	< 0.1	-	-	< 0.1
ms20	0.9	None							< 0.2	< 0.2	-	-	< 0.2
ms20	1.0	None							< 0.1	< 0.1	-	-	< 0.1
ms20	1.1	None							< 0.2	< 0.2	-	-	< 0.2
ms20	1.2	None							< 0.1	< 0.1	-	-	< 0.1
ms20	1.3	None							< 0.2	< 0.2	-	-	< 0.2
ms20	1.4	None							< 0.1	< 0.1	-	-	< 0.1
ms20	1.5	None							< 0.2	< 0.2	-	-	< 0.2
ms20	1.6	None							< 0.1	< 0.1	-	-	< 0.1
ms20	1.7	None							< 0.2	< 0.2	-	-	< 0.2
ms20	1.8	None							< 0.1	< 0.1	-	-	< 0.1
ms20	1.9	None							< 0.2	< 0.2	-	-	< 0.2
ms20	2.0	None							< 0.1	< 0.1	-	-	< 0.1
ms20	2.1	None							< 0.2	< 0.2	-	-	< 0.2
ms20	2.2	None							< 0.1	< 0.1	-	-	< 0.1
ms20	2.3	None							< 0.2	< 0.2	-	-	< 0.2
ms20	2.4	None							< 0.1	< 0.1	-	-	< 0.1
ms20	2.5	None							< 0.2	< 0.2	-	-	< 0.2
ms20	2.6	None							< 0.1	< 0.1	-	-	< 0.1
ms20	2.7	None							< 0.2	< 0.2	-	-	< 0.2
ms20	2.8	None							< 0.1	< 0.1	-	-	< 0.1
ms20	2.9	None							< 0.2	< 0.2	-	-	< 0.2
ms20	3.0	None							< 0.1	< 0.1	-	-	< 0.1
ms20	3.1	None							< 0.2	< 0.2	-	-	< 0.2
ms20	3.2	None							< 0.1	< 0.1	-	-	< 0.1
ms20	3.3	None							< 0.2	< 0.2	-	-	< 0.2
ms20	3.4	None							< 0.1	< 0.1	-	-	< 0.1
ms20	3.5	None							< 0.2	< 0.2	-	-	< 0.2
ms20	3.6	None							< 0.1	< 0.1	-	-	< 0.1
ms20	3.7	None							< 0.2	< 0.2	-	-	< 0.2
ms20	3.8	None							< 0.1	< 0.1	-	-	< 0.1
ms20	3.9	None							< 0.2	< 0.2	-	-	< 0.2
ms20	4.0	None							< 0.1	< 0.1	-	-	< 0.1
ms20	4.1	None							< 0.2	< 0.2	-	-	< 0.2
ms20	4.2	None							< 0.1	< 0.1	-	-	< 0.1
ms20	4.3	None							< 0.2	< 0.2	-	-	< 0.2
ms20	4.4	None							< 0.1	< 0.1	-	-	< 0.1
ms20	4.5	None							< 0.2	< 0.2	-	-	< 0.2
ms20	4.6	None							< 0.1	< 0.1	-	-	< 0.1
ms20	4.7	None							< 0.2	< 0.2	-	-	< 0.2
ms20	4.8	None							< 0.1	< 0.1	-	-	< 0.1
ms20	4.9	None							< 0.2	< 0.2	-	-	< 0.2
ms20	5.0	None							< 0.1	< 0.1	-	-	< 0.1
ms20	5.1	None							< 0.2	< 0.2	-	-	< 0.2
ms20	5.2	None							< 0.1	< 0.1	-	-	< 0.1
ms20	5.3	None							< 0.2	< 0.2	-	-	< 0.2
ms20	5.4	None							< 0.1	< 0.1	-	-	< 0.1
ms20	5.5	None							< 0.2	< 0.2	-	-	< 0.2
ms20	5.6	None							< 0.1	< 0.1	-	-	< 0.1
ms20	5.7	None							< 0.2	< 0.2	-	-	< 0.2
ms20	5.8	None							< 0.1	< 0.1	-	-	< 0.1
ms20	5.9	None							< 0.2	< 0.2	-	-	< 0.2
ms20	6.0	None							< 0.1	< 0.1	-	-	< 0.1
ms20	6.1	None							< 0.2	< 0.2	-	-	< 0.2
ms20	6.2	None							< 0.1	< 0.1	-	-	< 0.1
ms20	6.3	None							< 0.2	< 0.2	-	-	< 0.2
ms20	6.4	None							< 0.1	< 0.1	-	-	< 0.1
ms20	6.5	None							< 0.2	< 0.2	-	-	< 0.2
ms20	6.6	None							< 0.1	< 0.1	-	-	< 0.1
ms20	6.7	None							< 0.2	< 0.2	-	-	< 0.2
ms20	6.8	None							< 0.1	< 0.1	-	-	< 0.1
ms20	6.9	None							< 0.2	< 0.2	-	-	< 0.2
ms20	7.0	None							< 0.1	< 0.1	-	-	< 0.1
ms20	7.1	None							< 0.2	< 0.2	-	-	< 0.2
ms20	7.2	None							< 0.1	< 0.1	-	-	< 0.1
ms20	7.3	None							< 0.2	< 0.2	-	-	< 0.2
ms20	7.4	None							< 0.1	< 0.1	-	-	< 0.1
ms20	7.5	None							< 0.2	< 0.2	-	-	< 0.2
ms20	7.6	None							< 0.1	< 0.1	-	-	< 0.1
ms20	7.7	None							< 0.2	< 0.2	-	-	< 0.2
ms20	7.8	None							< 0.1	< 0.1	-	-	< 0.1
ms20	7.9	None							< 0.2	< 0.2	-	-	< 0.2
ms20	8.0	None							< 0.1	< 0.1	-	-	< 0.1
ms20	8.1	None							< 0.2	< 0.2	-	-	< 0.2
ms20	8.2	None							< 0.1	< 0.1	-	-	< 0.1
ms20	8.3	None							< 0.2	< 0.2	-	-	< 0.2
ms20	8.4	None							< 0.1	< 0.1	-	-	< 0.1
ms20	8.5	None							< 0.2	< 0.2	-	-	< 0.2
ms20	8.6	None							< 0.1	< 0.1	-	-	< 0.1
ms20	8.7	None							< 0.2	< 0.2	-	-	< 0.2
ms20	8.8	None							< 0.1	< 0.1	-	-	< 0.1
ms20	8.9	None							< 0.2	< 0.2	-	-	< 0.2
ms20	9.0	None							< 0.1	< 0.1	-	-	< 0.1
ms20	9.1	None							< 0.2	< 0.2	-	-	< 0.2
ms20	9.2	None							< 0.1	< 0.1	-	-	< 0.1
ms20	9.3	None							< 0.2	< 0.2	-	-	< 0.2
ms20	9.4	None							< 0.1	< 0.1	-	-	< 0.1
ms20	9.5	None							< 0.2	< 0.2	-	-	< 0.2
ms20	9.6	None							< 0.1	< 0.1	-	-	< 0.1
ms20	9.7	None							< 0.2	< 0.2	-	-	< 0.2
ms20	9.8	None							< 0.1	< 0.1	-	-	< 0.1
ms20	9.9	None							< 0.2	< 0.2	-	-	< 0.2
ms20	10.0	None							< 0.1	< 0.1	-	-	< 0.1
ms20	10.1	None							< 0.2	< 0.2	-	-	< 0.2
ms20	10.2	None							< 0.1	< 0.1	-	-	< 0.1
ms20	10.3	None							< 0.2	< 0.2	-	-	< 0.2
ms20	10.4	None							< 0.1	< 0.1	-	-	< 0.1
ms20	10.5	None							< 0.2	< 0.2	-	-	< 0.2
ms20	10.6	None							< 0.1	< 0.1	-	-	< 0.1
ms20	10.7	None							< 0.2	< 0.2	-	-	< 0.2
ms20	10.8	None							< 0.1	< 0.1	-	-	< 0.1
ms20	10.9	None							< 0.2	< 0.2	-	-	< 0.2
ms20	11.0	None							< 0.1	< 0.1	-	-	< 0.1
ms20	11.1	None							< 0.2	< 0.2	-	-	< 0.2
ms20	11.2	None							< 0.1	< 0.1	-	-	< 0.1
ms20	11.3	None							< 0.2	< 0.2	-	-	< 0.2
ms20	11.4	None							< 0.1	< 0.1	-	-	< 0.1
ms20	11.5	None							< 0.2	< 0.2	-	-	< 0.2
ms20	11.6	None							< 0.1	< 0.1	-	-	< 0.1
ms20	11.7	None							< 0.2	< 0.2	-	-	< 0.2
ms20	11.8	None							< 0.1	< 0.1	-	-	< 0.1
ms20	11.9	None							< 0.2	< 0.2	-	-	< 0.2
ms20	12.0	None							< 0.1	< 0.1	-	-	< 0.1
ms20	12.1	None							< 0.2	< 0.2	-	-	< 0.2
ms20	12.2	None							< 0.1	< 0.1	-	-	< 0.1
ms20	12.3	None							< 0.2	< 0.2	-	-	< 0.2
ms20	12.4	None							< 0.1	< 0.1	-	-	< 0.1
ms20	12.5	None							< 0.2	< 0.2	-	-	< 0.2
ms20	12.6	None							< 0.1	< 0.1	-	-	< 0.1
ms20	12.7	None							< 0.2	< 0.2</			

Lab Sample Number	Q20398
Simple Reference	WS-1
Sample Number	No. of Samples
Depth (m)	2 SPS-01
Date Sampled	06/07/2018
Time Taken	NONE Supplied
Analytical Parameter (Soil Analysis)	Accreditation Status
Moisture Content	% 0.1 NONE
Mechanics Conduct	% N/A NONE
Total mass of sample received	kg 0.003 NONE
Asbestos in Soil Screen / Identification Name	Type ISO 17025
Asbestos in Soil	Type N/A ISO 17015
General Inorganics	
pH Levels	N/A MCERTS
Total Turbidity	mg/kg 1 MCERTS
Cadmium Soluble SOM IUP extraction (2:1 Lixiviate)	mg/kg 0.00125 MCERTS
Fluoride - Manner	% 0.1 MCERTS
Total Phenols	mg/kg 1 MCERTS
Specified PAHs	
naphthalene	mg/kg 0.05 MCERTS
Acenaphthylene	mg/kg 0.05 MCERTS
Acenaphthene	mg/kg 0.05 MCERTS
fluorene	mg/kg 0.05 MCERTS
Phenanthrene	mg/kg 0.05 MCERTS
Benzofluorene	mg/kg 0.05 MCERTS
Anthracene	mg/kg 0.05 MCERTS
Pyrene	mg/kg 0.05 MCERTS
Benzocyclopentadiene	mg/kg 0.05 MCERTS
Benzo[a]pyrene	mg/kg 0.05 MCERTS
Benzo[b]fluoranthene	mg/kg 0.05 MCERTS
Benzo[k]fluoranthene	mg/kg 0.05 MCERTS
Dibenz[ah]anthracene	mg/kg 0.05 MCERTS
Indeno[1,2,3-cd]pyrene	mg/kg 0.05 MCERTS
Benz[e]pyrene	mg/kg 0.05 MCERTS
Benzo[a]phenanthrene	mg/kg 0.05 MCERTS
Perfluorinated Phthalates	
perfluorooctanoic acid	mg/kg 0.05 MCERTS
perfluorononanoic acid	mg/kg 0.05 MCERTS
perfluorodecanoic acid	mg/kg 0.05 MCERTS
perfluorododecanoic acid	mg/kg 0.05 MCERTS
perfluorotetradecanoic acid	mg/kg 0.05 MCERTS
perfluorohexadecanoic acid	mg/kg 0.05 MCERTS
perfluorooctadecanoic acid	mg/kg 0.05 MCERTS
Heavy Metals / Metalloids	
Arsenic (boia regia extractable)	mg/kg 1 MCERTS
Berillium (boia regia extractable)	mg/kg 0.05 MCERTS
Boron (water soluble)	mg/kg 0.2 MCERTS
Barium (boia regia extractable)	mg/kg 0.2 MCERTS
Chromium (boia regia extractable)	mg/kg 1 MCERTS
Copper (boia regia extractable)	mg/kg 1 MCERTS
Cobalt (boia regia extractable)	mg/kg 1 MCERTS
Lead (boia regia extractable)	mg/kg 1 MCERTS
Lithium (boia regia extractable)	mg/kg 1 MCERTS
Mercury (boia regia extractable)	mg/kg 1 MCERTS
Manganese (boia regia extractable)	mg/kg 1 MCERTS
Nickel (boia regia extractable)	mg/kg 1 MCERTS
Selenium (boia regia extractable)	mg/kg 1 MCERTS
Silver (boia regia extractable)	mg/kg 1 MCERTS
Sodium (boia regia extractable)	mg/kg 1 MCERTS
Zinc (boia regia extractable)	mg/kg 1 MCERTS

Analytical Report Number: 18-78278
Project / Site name: SWAN

Analytical Report Number: 18-78278
Project / Site name: SWAN

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Petroleum Hydrocarbons			
TPH-CVG - Aliphatic (C15 - C25)	mg/kg	0.001	NAE15T5
TPH-CVG - Aromatic (C15 - C25)	mg/kg	0.001	NAE15T5
TPH-CVG - Aliphatic (C25 - C35)	mg/kg	0.001	NAE25T5
TPH-CVG - Aromatic (C25 - C35)	mg/kg	0.001	NAE25T5
TPH-CVG - Aliphatic (C35 - C45)	mg/kg	2	NAE35T5
TPH-CVG - Aromatic (C35 - C45)	mg/kg	2	NAE35T5
TPH-CVG - Aliphatic (C45 - C55)	mg/kg	8	NAE45T5
TPH-CVG - Aromatic (C45 - C55)	mg/kg	8	NAE45T5
TPH-CVG - Aliphatic (C55 - C65)	mg/kg	10	NAE55T5
TPH-CVG - Aromatic (C55 - C65)	mg/kg	10	NAE55T5

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The results included within the report are representative of the samples submitted for analysis.

Lab Sample Number	Sample Reference	Depth (m)	Sample Number	Sample Description *
W010	None Supplied	2.50-3.00	W010	None Supplied
W011	None Supplied	0.00-0.50	W011	None Supplied
W012	None Supplied	0.50-1.00	W012	None Supplied
W013	None Supplied	1.00-1.50	W013	None Supplied
W014	None Supplied	1.50-2.00	W014	None Supplied
W015	None Supplied	2.00-2.50	W015	None Supplied
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W029	None Supplied	9.00-9.50	W029	None Supplied
W030	None Supplied	9.50-10.00	W030	None Supplied
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W054	None Supplied	21.50-22.00	W054	None Supplied
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W152	None Supplied	70.50-71.00	W152	None Supplied
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W208	None Supplied	98.50-99.00	W208	None Supplied
W209	None Supplied	99.00-99.50	W209	None Supplied
W210	None Supplied	99.50-100.00	W210	None Supplied

** Non MCerts Matrix



4441

M-CERTS



Analytical Report Number : 18-78278

Project / Site name: SWAN

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Water (PW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method Number	Wet / Dry Analysis	Accreditation Status
Asbestos determination in soil	Asbestos identification with the use of polarised light microscopy in conjunction with dispersion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 11029
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES.	In-house method based on Second Site Properties version 3	L038-PL	W	M-CERTS
BTEX and VFAE in soil (Polynuclear Aroclors)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA821.60	L0738-PL	W	M-CERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MS/AM 2006 Methods for the Determination of Metals in Soil.	L039-PL	D	M-CERTS
Moisture content	Moisture content, determined gravimetrically.	In-house method based on BS1377 Part 2, 1990, Chemical and Electrochemical Tests	L074-400-PL	W	NONE
Polychlorinated phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 23th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	M-CERTS
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	BS1377 Part 2, 1990, Chemical and Electrochemical Tests	L009-PL	D	M-CERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electronic measurement.	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests	L009-PL	D	M-CERTS
Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds in soil by extraction in dichloromethane and heptane followed by GC-MS.	In-house method based on USEPA 8270	L064-PL	D	M-CERTS
Speciated PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and heptane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270	L094-PL	D	M-CERTS
Stomach content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of fibre > 10 mm as % dry weight.	In-house method based on British Standard Methods and M-CERTS requirements.	L019-400-PL	D	NONE
Sulphate, water soluble, in soil (10hr extraction)	Determination of water soluble sulphate by ICP-OES. Result reported directly (heptane equivalent) and corrected for extraction ratio (soil equivalent).	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests, 2.1 water-soil extraction, analysis by ICP-OES.	L038-PL	D	M-CERTS
Total oil de in soil	Determination of total cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	M-CERTS
TPH/CVG (Soil)	Determination of heptane extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method	L080-70-PL	W	M-CERTS
Variable organic compounds in soil	Determination of variable organic compounds in soil by headspace GC-MS.	In-house method based on USEPA821.60	L0738-PL	W	M-CERTS

For method numbers ending in '10' analysis have been carried out in our laboratory in the United Kingdom.

For method numbers ending in '91' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 300C.

Annex F: Soil Analytical Data

[illegible]

[illegible]

Unit	Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922	2923	2924	2925	2926	2927	2928	2929	2930	2931	2932	2933	2934	2935	2936	2937	2938	2939	2940	2941	2942	2943	2944	2945	2946	2947	2948	2949	2950	2951	2952	2953	2954	2955	2956	2957	2958	2959	2960	2961	2962	2963	2964	2965	2966	2967	2968	2969	2970	2971	2972	2973	2974	2975	2976	2977	2978	2979	2980	2981	2982	2983	2984	2985	2986	2987	2988	2989	2990	2991	2992	2993	2994	2995	2996	2997	2998	2999	3000
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Annex G: Groundwater Analytical Data



Environmental Science

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Analytical Report Number : 18-78286

Project / Site name:	SWAN	Samples received on:	08/03/2018
Your job number:	017-1574	Samples instructed on:	08/03/2018
Your order number:		Analysis completed by:	Not complete
Report Issue Number:	1	Report issued on:	20/03/2018
Samples Analysed:	3 water samples		

Signed:

Rexona Rahman
Head of Customer Services
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting

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Iss No 18-78286-1 SWAN 017-1574

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The results included within the report are representative of the samples submitted for analysis.

Page 1 of 6



Environmental Science

Analytical Report Number: 18-78286

Project / Site name: SWAN

Lab Sample Number				920923	920924	920925		
Sample Reference				WS04	WS05	WS06		
Sample Number				None Supplied	None Supplied	None Supplied		
Depth (m)				None Supplied	None Supplied	None Supplied		
Date Sampled				07/03/2018	07/03/2018	07/03/2018		
Time Taken				None Supplied	None Supplied	None Supplied		
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status					

General Inorganics

pH	pH Units	N/A	ISO 17025	7.2	7.2	7.8		
Total Cyanide	µg/l	10	ISO 17025	< 10	< 10	< 10		
Sulphate as SO ₄	µg/l	45	ISO 17025	305000	81000	479000		
Sulphate as SO ₄	mg/l	0.045	ISO 17025	305	81.0	479		

Total Phenols

Total Phenols (monohydric)	µg/l	10	ISO 17025	< 10	< 10	< 10		
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Speciated PAHs

Naphthalene	µg/l	0.01	ISO 17025	< 0.01	0.13	0.17		
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01		
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	0.67	0.17		
Fluorene	µg/l	0.01	ISO 17025	< 0.01	0.27	0.11		
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	1.01	1.40		
Anthracene	µg/l	0.01	ISO 17025	< 0.01	0.15	0.25		
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	0.44	1.60		
Pyrene	µg/l	0.01	ISO 17025	< 0.01	0.30	1.31		
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	0.69		
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	0.75		
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	0.64		
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	0.37		
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	0.57		
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	0.23		
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	0.07		
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	0.32		

Total PAH

Total EPA-16 PAHs	µg/l	0.16	ISO 17025	< 0.16	2.97	8.65		
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Environmental Science

Analytical Report Number: 18-78286

Project / Site name: SWAN

Lab Sample Number	920923	920924	920925		
Sample Reference	WS04	WS05	WS06		
Sample Number	None Supplied	None Supplied	None Supplied		
Depth (m)	None Supplied	None Supplied	None Supplied		
Date Sampled	07/03/2018	07/03/2018	07/03/2018		
Time Taken	None Supplied	None Supplied	None Supplied		
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status		

Heavy Metals / Metalloids

Arsenic (dissolved)	µg/l	0.15	ISO 17025	0.47	0.16	0.86		
Beryllium (dissolved)	µg/l	0.1	ISO 17025	< 0.1	< 0.1	< 0.1		
Boron (dissolved)	µg/l	10	ISO 17025	150	140	90		
Cadmium (dissolved)	µg/l	0.02	ISO 17025	0.06	0.09	0.07		
Chromium (dissolved)	µg/l	0.2	ISO 17025	0.3	0.7	< 0.2		
Copper (dissolved)	µg/l	0.5	ISO 17025	2.9	5.3	1.6		
Lead (dissolved)	µg/l	0.2	ISO 17025	0.7	2.3	0.2		
Mercury (dissolved)	µg/l	0.05	ISO 17025	< 0.05	< 0.05	< 0.05		
Nickel (dissolved)	µg/l	0.5	ISO 17025	2.9	7.7	8.8		
Selenium (dissolved)	µg/l	0.6	ISO 17025	6.2	4.0	7.0		
Vanadium (dissolved)	µg/l	0.2	ISO 17025	0.3	0.3	< 0.2		
Zinc (dissolved)	µg/l	0.5	ISO 17025	7.5	50	4.8		

Monoaromatics

Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
p & m-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
o-xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		

Petroleum Hydrocarbons

TPH-CWG - Aliphatic >C5 - C6	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
TPH-CWG - Aliphatic >C6 - C8	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
TPH-CWG - Aliphatic >C8 - C10	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
TPH-CWG - Aliphatic >C10 - C12	µg/l	10	NONE	< 10	< 10	< 10		
TPH-CWG - Aliphatic >C12 - C16	µg/l	10	NONE	< 10	< 10	< 10		
TPH-CWG - Aliphatic >C16 - C21	µg/l	10	NONE	< 10	< 10	< 10		
TPH-CWG - Aliphatic >C21 - C35	µg/l	10	NONE	< 10	< 10	< 10		
TPH-CWG - Aliphatic (C5 - C35)	µg/l	10	NONE	< 10	< 10	< 10		

TPH-CWG - Aromatic >C5 - C7	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
TPH-CWG - Aromatic >C7 - C8	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
TPH-CWG - Aromatic >C8 - C10	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
TPH-CWG - Aromatic >C10 - C12	µg/l	10	NONE	< 10	< 10	< 10		
TPH-CWG - Aromatic >C12 - C16	µg/l	10	NONE	< 10	< 10	12		
TPH-CWG - Aromatic >C16 - C21	µg/l	10	NONE	< 10	< 10	25		
TPH-CWG - Aromatic >C21 - C35	µg/l	10	NONE	< 10	< 10	40		
TPH-CWG - Aromatic (C5 - C35)	µg/l	10	NONE	< 10	< 10	77		



Environmental Science

Analytical Report Number: 18-78286

Project / Site name: SWAN

Lab Sample Number	920923	920924	920925		
Sample Reference	WS04	WS05	WS06		
Sample Number	None Supplied	None Supplied	None Supplied		
Depth (m)	None Supplied	None Supplied	None Supplied		
Date Sampled	07/03/2018	07/03/2018	07/03/2018		
Time Taken	None Supplied	None Supplied	None Supplied		
Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status		

VOCs

Chloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
Chloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
Bromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
Vinyl Chloride	µg/l	1	NONE	< 1.0	< 1.0	< 1.0		
Trichlorofluoromethane	µg/l	1	NONE	< 1.0	< 1.0	< 1.0		
1,1-Dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
1,1,2-Trichloro-1,2,2-trifluoroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
Cis-1,2-dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
MTBE (Methyl Tertiary Butyl Ether)	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
1,1-Dichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
2,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
Trichloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
1,1,1-Trichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
1,2-Dichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
1,1-Dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
Trans-1,2-dichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
Benzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
Tetrachloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
1,2-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
Trichloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
Dibromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
Bromodichloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
Cis-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
Trans-1,3-dichloropropene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
Toluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
1,1,2-Trichloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
1,3-Dichloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
Dibromochloromethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
Tetrachloroethene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
1,2-Dibromoethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
Chlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
1,1,1,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
Ethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
p & m-Xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
Styrene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
Tribromomethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
o-Xylene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
1,1,2,2-Tetrachloroethane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
Isopropylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
Bromobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
n-Propylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
2-Chlorotoluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
4-Chlorotoluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
1,3,5-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
tert-Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
1,2,4-Trimethylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
sec-Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
1,3-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
p-Isopropyltoluene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
1,2-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
1,4-Dichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
Butylbenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
1,2-Dibromo-3-chloropropane	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
1,2,4-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
Hexachlorobutadiene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		
1,2,3-Trichlorobenzene	µg/l	1	ISO 17025	< 1.0	< 1.0	< 1.0		

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The results included within the report are representative of the samples submitted for analysis.

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Environmental Science

Analytical Report Number: 18-78286

Project / Site name: SWAN

Lab Sample Number				920923	920924	920925		
Sample Reference				WS04	WS05	WS06		
Sample Number				None Supplied	None Supplied	None Supplied		
Depth (m)				None Supplied	None Supplied	None Supplied		
Date Sampled				07/03/2018	07/03/2018	07/03/2018		
Time Taken				None Supplied	None Supplied	None Supplied		
Analytical Parameter (Water Analysis)				Units	Limit of detection	Accreditation Status		
SVOCs								
Aniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
Phenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
2-Chlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
Bis(2-chloroethyl)ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
1,3-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
1,2-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
1,4-Dichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
Bis(2-chloroisopropyl)ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
2-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
Hexachloroethane	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
Nitrobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
4-Methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
Isophorane	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
2-Nitrophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
2,4-Dimethylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
Bis(2-chloroethoxy)methane	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
1,2,4-Trichlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
Naphthalene	µg/l	0.01	ISO 17025	< 0.01	0.13	0.17		
2,4-Dichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
4-Chloroaniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
Hexachlorobutadiene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
4-Chloro-3-methylphenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
2,4,6-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
2,4,5-Trichlorophenol	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
2-Methylnaphthalene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
2-Chloronaphthalene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
Dimethylphthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
2,6-Dinitrotoluene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
Acenaphthylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	< 0.01		
Acenaphthene	µg/l	0.01	ISO 17025	< 0.01	0.67	0.17		
2,4-Dinitrotoluene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
Dibenzofuran	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
4-Chlorophenyl phenyl ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
Diethyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
4-Nitroaniline	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
Fluorene	µg/l	0.01	ISO 17025	< 0.01	0.27	0.11		
Azobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
Bromophenyl phenyl ether	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
Hexachlorobenzene	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
Phenanthrene	µg/l	0.01	ISO 17025	< 0.01	1.0	1.4		
Anthracene	µg/l	0.01	ISO 17025	< 0.01	0.15	0.25		
Carbazole	µg/l	0.05	NONE	< 0.05	0.54	0.22		
Dibutyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
Anthraquinone	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
Fluoranthene	µg/l	0.01	ISO 17025	< 0.01	0.44	1.6		
Pyrene	µg/l	0.01	ISO 17025	< 0.01	0.30	1.3		
Butyl benzyl phthalate	µg/l	0.05	NONE	< 0.05	< 0.05	< 0.05		
Benzo(a)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	0.69		
Chrysene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	0.75		
Benzo(b)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	0.64		
Benzo(k)fluoranthene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	0.37		
Benzo(a)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	0.57		
Indeno(1,2,3-cd)pyrene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	0.23		
Dibenz(a,h)anthracene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	0.07		
Benzo(ghi)perylene	µg/l	0.01	ISO 17025	< 0.01	< 0.01	0.32		

U/S = Unsuitable Sample I/S = Insufficient Sample

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The results included within the report are representative of the samples submitted for analysis.

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Analytical Report Number : 18-78286

Project / Site name: SWAN

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Water (PrW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Boron in water	Determination of boron in water by acidification followed by ICP-OES. Accredited matrices: SW PW GW	In-house method based on MEWAM	L039-PL	W	ISO 17025
BTEX and MTBE in water (Monoaromatics)	Determination of BTEX and MTBE in water by headspace GC-MS. Accredited matrices: SW PW GW	In-house method based on USEPA8260	L073B-PL	W	ISO 17025
Metals in water by ICP-MS (dissolved)	Determination of metals in water by acidification followed by ICP-MS. Accredited Matrices: SW, GW, PW except B=SW,GW, Hg=SW,PW, Al=SW,PW.	In-house method based on USEPA Method 6020 & 200.8 "for the determination of trace elements in water by ICP-MS.	L012-PL	W	ISO 17025
Monohydric phenols in water	Determination of phenols in water by continuous flow analyser. Accredited matrices: SW PW GW	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	ISO 17025
pH at 20oC in water (automated)	Determination of pH in water by electrometric measurement. Accredited matrices: SW PW GW	In-house method based on BS1377 Part 3, 1990, Chemical and Electrochemical Tests	L099-PL	W	ISO 17025
Semi-volatile organic compounds in water	Determination of semi-volatile organic compounds in leachate by extraction in dichloromethane followed by GC-MS.	In-house method based on USEPA 8270	L102B-PL	W	NONE
Speciated EPA-16 PAHs in water	Determination of PAH compounds in water by extraction in dichloromethane followed by GC-MS with the use of surrogate and internal standards. Accredited matrices: SW PW GW	In-house method based on USEPA 8270	L102B-PL	W	ISO 17025
Sulphate in water	Determination of sulphate in water by acidification followed by ICP-OES. Accredited matrices: SW PW GW, PrW.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L039-PL	W	ISO 17025
Total cyanide in water	Determination of total cyanide by distillation followed by colorimetry. Accredited matrices: SW PW GW	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	ISO 17025
TPHCWG (Waters)	Determination of dichloromethane extractable hydrocarbons in water by GC-MS, speciation by interpretation.	In-house method	L070-PL	W	NONE
Volatile organic compounds in water	Determination of volatile organic compounds in water by headspace GC-MS. Accredited matrices: SW PW GW	In-house method based on USEPA8260	L073B-PL	W	ISO 17025

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.

For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Analytical Report Number: 18-78386
Project / Site name: SWAN
Area: G: Baseline Groundwater Conditions

Lab Sample Number	910923	910924	910925
Sample Reference	MS04	MS05	MS06
Sample Number	None Supplied	None Supplied	None Supplied
Depth (m)	None Supplied	None Supplied	None Supplied
Date Sampled	07/03/2018	07/03/2018	07/03/2018
Time Taken	None Supplied	None Supplied	None Supplied

Analytical Parameter (Water Analysis)	Units	Limit of detection	Accreditation Status	No. Samples	No. <MDL	No. > MDL	Min	Max	Range
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General Inorganic									
pH	pH Units	NA	ISO 15622	3	0	3	7.40	7.80	7.2 - 7.8
Total Alkalinity	mg/L	10	ISO 15622	3	3	0	<MDL	<MDL	<MDL - <MDL
Ammonia as N	mg/L	45	ISO 15622	3	0	3	8100.00	47500.00	8100.0 - 47500.0
Calcium as Ca	mg/L	0.045	ISO 15622	3	0	3	81.00	479.00	81 - 479

Total Phosphorus	mg/L	10	ISO 15622	3	1	0	<MDL	<MDL	<MDL - <MDL
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Specified PAHs									
Acenaphthene	mg/L	0.01	ISO 15622	3	1	2	<MDL	0.17	<MDL - 0.17
Acenaphthylene	mg/L	0.01	ISO 15622	3	3	0	<MDL	<MDL	<MDL - <MDL
Benzo[a]anthracene	mg/L	0.01	ISO 15622	3	2	0	<MDL	0.67	<MDL - 0.67
Benzo[a]fluoranthene	mg/L	0.01	ISO 15622	3	1	2	<MDL	0.17	<MDL - 0.17
Benzo[b]fluoranthene	mg/L	0.01	ISO 15622	3	1	2	<MDL	0.25	<MDL - 0.25
Benzo[k]fluoranthene	mg/L	0.01	ISO 15622	3	1	2	<MDL	1.60	<MDL - 1.60
Benzo[a]pyrene	mg/L	0.01	ISO 15622	3	1	2	<MDL	1.31	<MDL - 1.31
Benzo[e]pyrene	mg/L	0.01	ISO 15622	3	2	1	<MDL	0.69	<MDL - 0.69
Chrysene	mg/L	0.01	ISO 15622	3	2	1	<MDL	0.75	<MDL - 0.75
Benzo[a]phenanthrene	mg/L	0.01	ISO 15622	3	2	1	<MDL	0.64	<MDL - 0.64
Benzo[b]phenanthrene	mg/L	0.01	ISO 15622	3	2	1	<MDL	0.17	<MDL - 0.17
Benzo[k]phenanthrene	mg/L	0.01	ISO 15622	3	2	1	<MDL	0.17	<MDL - 0.17
Benzo[a]perylene	mg/L	0.01	ISO 15622	3	2	1	<MDL	0.23	<MDL - 0.23
Indeno[1,2,3-cd]pyrene	mg/L	0.01	ISO 15622	3	2	1	<MDL	0.67	<MDL - 0.67
Benzo[ghi]perylene	mg/L	0.01	ISO 15622	3	2	1	<MDL	0.32	<MDL - 0.32

Total PAH	mg/L	0.05	ISO 15622	3	1	2	<MDL	8.65	<MDL - 8.65
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Lab Sample Number	Sample Reference	9/10/21	9/10/21	9/10/21	
Sample Number	Sample Description	None Supplied	None Supplied	None Supplied	
Depth (m)	None Supplied	None Supplied	None Supplied	None Supplied	
Date Sampled	9/10/2018	9/10/2018	9/10/2018	9/10/2018	
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied	
<div> <div>Accreditation Status</div> <div>Limit of detection</div> <div>Units</div> </div>					
<div> <div>Analytical Parameter (Water Analysis)</div> <div>Range</div> </div>					
<div> <div>Heavy Metals / Metals/oids</div> <div>Max</div> </div>					
Aspartic (disolved)	0.15	150.17452	0.97	0.86	0.15 - 0.86
Beryllium (disolved)	0.1	150.17452	< 0.1	< 0.1	< 0.15
Boron (disolved)	10	150.17452	150.56	92.50	90 - 150
Chromium (disolved)	0.02	150.17452	0.06	0.07	0.05 - 0.09
Cobalt (disolved)	0.2	150.17452	0.20	0.20	< 0.2
Copper (disolved)	0.05	150.17452	0.05	0.05	0.05 - 0.7
Lead (disolved)	0.05	150.17452	0.05	0.05	0.05 - 0.7
Mercury (disolved)	0.05	150.17452	0.05	0.05	0.05 - 0.7
Nickel (disolved)	0.05	150.17452	0.05	0.05	0.05 - 0.7
Selenium (disolved)	0.05	150.17452	0.05	0.05	0.05 - 0.7
Silver (disolved)	0.05	150.17452	0.05	0.05	0.05 - 0.7
Vanadium (disolved)	0.05	150.17452	0.05	0.05	0.05 - 0.7
Zinc (disolved)	0.05	150.17452	0.05	0.05	0.05 - 0.7
<div> <div>Microbiologicals</div> <div>Max</div> </div>					
Aspartic (disolved)	0.15	150.17452	0.97	0.86	0.15 - 0.86
Beryllium (disolved)	0.1	150.17452	< 0.1	< 0.1	< 0.15
Boron (disolved)	10	150.17452	150.56	92.50	90 - 150
Chromium (disolved)	0.02	150.17452	0.06	0.07	0.05 - 0.09
Cobalt (disolved)	0.2	150.17452	0.20	0.20	< 0.2
Copper (disolved)	0.05	150.17452	0.05	0.05	0.05 - 0.7
Lead (disolved)	0.05	150.17452	0.05	0.05	0.05 - 0.7
Mercury (disolved)	0.05	150.17452	0.05	0.05	0.05 - 0.7
Nickel (disolved)	0.05	150.17452	0.05	0.05	0.05 - 0.7
Selenium (disolved)	0.05	150.17452	0.05	0.05	0.05 - 0.7
Silver (disolved)	0.05	150.17452	0.05	0.05	0.05 - 0.7
Vanadium (disolved)	0.05	150.17452	0.05	0.05	0.05 - 0.7
Zinc (disolved)	0.05	150.17452	0.05	0.05	0.05 - 0.7
<div> <div>Pesticides</div> <div>Max</div> </div>					
Aspartic (disolved)	0.15	150.17452	0.97	0.86	0.15 - 0.86
Beryllium (disolved)	0.1	150.17452	< 0.1	< 0.1	< 0.15
Boron (disolved)	10	150.17452	150.56	92.50	90 - 150
Chromium (disolved)	0.02	150.17452	0.06	0.07	0.05 - 0.09
Cobalt (disolved)	0.2	150.17452	0.20	0.20	< 0.2
Copper (disolved)	0.05	150.17452	0.05	0.05	0.05 - 0.7
Lead (disolved)	0.05	150.17452	0.05	0.05	0.05 - 0.7
Mercury (disolved)	0.05	150.17452	0.05	0.05	0.05 - 0.7
Nickel (disolved)	0.05	150.17452	0.05	0.05	0.05 - 0.7
Selenium (disolved)	0.05	150.17452	0.05	0.05	0.05 - 0.7
Silver (disolved)	0.05	150.17452	0.05	0.05	0.05 - 0.7
Vanadium (disolved)	0.05	150.17452	0.05	0.05	0.05 - 0.7
Zinc (disolved)	0.05	150.17452	0.05	0.05	0.05 - 0.7
<div> <div>Pharmaceuticals</div> <div>Max</div> </div>					
Aspartic (disolved)	0.15	150.17452	0.97	0.86	0.15 - 0.86
Beryllium (disolved)	0.1	150.17452	< 0.1	< 0.1	< 0.15
Boron (disolved)	10	150.17452	150.56	92.50	90 - 150
Chromium (disolved)	0.02	150.17452	0.06		

Project / Site name: SWAN
Annex G: Baseline Groundwater Conditions

US = Unusable Sample US = Insufficient Sample