

Swansea Bay UHB

MOUNT SURGERY, PORT TALBOT

Site Investigation Report

14053/FG/22/SI

CLIENT: Swansea Bay UHB

PROJECT: Mount Surgery, Port Talbot

TITLE: Site Investigation Report

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1.0 INTRODUCTION

1.1 GENERAL

Swansea Bay UHB are proposing an extension to the existing Mount Surgery for continued use as a GP surgery.

Intégral Géotechnique (Wales) Limited have been appointed as the Geotechnical Engineers to undertake a site investigation to enable a geotechnical and geoenvironmental appraisal of the site and provide a basis for design. This report is produced to address Pre-Commencement Condition 3 within Planning Application No: P2021/0402.

This report presents the findings of the site investigation and gives recommendations for the design of foundations, floor slabs and other geotechnical and geoenvironmental aspects of the project.

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1.2 PROPOSED DEVELOPMENT

The proposed development will comprise a single storey front extension and porch and will also include the reconfiguration of the existing car park.

Reference has been made to a layout plan titled Proposed Site Plan, completed by Prichard Barnes Architects. (Ref: Drawing no.: L(0-)-03)

1.3 SCOPE OF WORKS

The work instructed included a desk study of available information, site reconnaissance and intrusive investigation. This was followed by laboratory testing and geotechnical and geoenvironmental reporting.

The desk study comprised a review of:

- An Envirocheck Report obtained for the site

1.3 SCOPE OF WORKS (CONTINUED)

- Old Ordnance Survey maps covering the site, included within the Envirocheck Report
- A Radon GeoReport obtained from the British Geological Survey
- A CON29M Coal Mining Report from The Coal Authority
- Geological maps of the area provided by the British Geological Survey
- Natural Resources Wales groundwater vulnerability map and aquifer database for the area

The desk study information was used to make an initial assessment of the site and to design an investigation to be carried out by Intégral Géotechnique. The site investigation was designed in accordance with BS 5930:2015+A1:2020, the Code of Practice for Site Investigations, BS10175:2011+A2:2017, the code of practice for investigation of potentially contaminated sites, and 'Development of Land Affected by Contamination: A Guide for Developers' prepared by Welsh Local Government Association (WLGA)/Natural Resources Wales (NRW) Land Contamination Working Group, 2017.

The site investigation included:

- An intrusive investigation carried out during 23rd June 2022 comprising the drilling of six windowless sample boreholes and the excavation of two hand dug trial pits.
- Indicative soil infiltration tests within the hand dug trial pits
- Sampling of made ground for laboratory chemical testing
- Sampling of in-situ soils for laboratory geotechnical testing

1.4 LIMITATIONS

This document is intended to be a working document for further development in discussion with all concerned including the Local Planning Authority and Natural Resources Wales, as appropriate.

"Contamination" is taken throughout the report to mean the "presence of one or more potentially harmful substances as a result of human activity". The use of the term in this way does not imply that harm is being or might be caused by the contamination. It should be noted that "contamination" can have different meanings under different regulatory regimes, for example, planning, building control and Part IIA of the Environmental Protection Act 1990. Naturally elevated concentrations of potentially harmful substances may also be of concern and the significance of any that have been found is also evaluated in this report.

1.4 LIMITATIONS (CONTINUED)

It is important to recognise that there may be areas of contamination that have not been found, or that contaminants are present at concentrations above those that have been found. It is also important to recognise that contamination may be localised and that no investigation, however comprehensive, is capable of finding such occurrences other than by chance.

It should also be noted that vertical and lateral changes in ground conditions may be present between exploratory hole locations.

Access for the intrusive site investigation was limited at the time due to active and vacant buildings, areas of hardstanding and services. The car park to the surgery was in active use during the site investigation works.

2.0 THE SITE

2.1 SITE LOCATION AND DESCRIPTION

The site is located at Mount Surgery in Port Talbot at a National Grid Reference of 277580, see Figure 1.

The site is roughly rectangular in shape and occupies an area of approximately 0.17 hectares. The boundaries of the site are defined by Commercial Road to the northeast, a community education centre and grounds to the southeast, undeveloped vegetated land to the southwest and residential development to the northwest. A site plan is presented in Figure 2.

The site is situated on level ground at an approximate elevation of 7m AOD.

The existing surgery building occupies the southwest portion of the site with the northeast area utilised as a car parking area. Access to the site is via Commercial Road to the northeast.

The majority of the site is laid to a surface covering of hardstanding bituminous material. Small soft landscaped areas laid to grass and planted semi mature trees exist along the northern and southern boundaries of the car park.

2.2 SITE OPERATIONS

The site is currently fully operational as a GP surgery with associated car parking areas.

2.3 SURROUNDING LAND USE

The surrounding areas are mainly developed for residential use and with a Community Education Centre to the south.

2.4 AVAILABLE SITE INVESTIGATION DATA

There is no available site investigation data to our knowledge.

2.5 CONSULTATIONS WITH REGULATORS

The regulators have not been contacted at this stage.

3.0 SITE HISTORY

The recent history of the site has been traced with the aid of an Envirocheck Report, a copy of which is included in Appendix A. The Envirocheck Report includes the following scaled historical maps:

Map Scale	Dates
1:2,500	1877, 1899, 1917, 1940, 1954, 1964, 1969
1:1,250	1953, 1960-1967, 1986-1989, 1991, 1993, 2001 (Aerial photo)
1:10,560	1884-1885, 1900, 1921, 1938-1952, 1949, 1951
1:10,000	1965, 1982, 1993, 1999, 2006, 2021

The earliest edition of the map dated 1877 indicated the site to be largely undeveloped but crossed by an access from High Street which formed the northeast boundary of the site. An existing Boys and Girls School was located to the southeast of the site with the buildings encroaching across the southeast boundary. Residential terraces were indicated along High Street to the north of the site. The Great Western Railway, constructed on an embankment, ran on a southeast to northwest orientation approximately 40m to the southwest of the site. The land between the site and the railway was indicated to be covered with rough grass. Margam Copper Works was located approximately 150m to the northwest of the site. Many tramways served the works buildings and also took spoil to be deposited beyond the railway approximately 60m to the southwest of the site.

The 1899 edition of the map indicated the school had been reconfigured to now be fully located off-site to the southeast. A new branch line (Port Talbot Railway) had been constructed on an embankment to cross the site on a northeast to southwest orientation. The line then crossed High Street on a bridge structure with the southern bridge abutment and the northern boundary of the site and crossed the Great Western Railway approximately 50m to the southwest. Many of the tramways associated with the Copper Works had been cleared and the spoil heap beyond the railway line to the southwest had been partially levelled.

The edition of the map dated 1917 indicated the site to still be occupied by the Docks Branch of the Port Talbot Railway constructed on an embankment with the bridge structure to the northern boundary. Further residential development had taken place to the north and northwest of the site. The buildings associated with the Copper Works to the northwest had been removed, with only some tramways remaining.

3.0 SITE HISTORY (CONTINUED)

In 1917 the spoil heaps to the southwest were indicated to be grass covered and additional earthworks were indicated within the area.

The 1940 edition of the map indicated the site and the immediate surrounding areas had remained relatively unchanged. The road to the northeast was now known as Commercial Road. Extensive residential development continued further to the north, east and south of the site. Margam Works (Iron and Steel) had been constructed beyond the railway to the west of the site. The buildings were served by a new network of railways and/or tramways including new tracks across the former spoil heap area where earthworks were noted on the earlier map edition.

The edition of the map dated 1953 indicated the railway line which crossed the site had been rerouted towards the southern corner with the original railway track removed, although the embankment and bridge remained. Margam Works continued to be operational to the west of the site and an extensive network of railway tracks known as Margam Sidings had been constructed approximately 500m to the south of the site.

The site and the surrounding areas remained relatively unchanged over the subsequent years. By the edition of the map dated 1969 the railway line which crossed the site was indicated to have been dismantled and the tracks removed but the embankment remained. The school building to the southeast was indicated to be a youth club.

By the edition of the map dated 1986-1989 the former railway embankment had been removed and the surgery building had been constructed within the southwest half of the site. The former path of the railway had been developed for residential use beyond Commercial Road to the northeast of the site. Some of the buildings associated with Margam Works had been removed beyond the railway to the west of the site. Many buildings still remained and Margam Works was still operational.

The 1991 edition of the map indicated the surgery building to have been extended to the southwest. The surrounding areas remained relatively unchanged.

The year 2000 aerial photo indicated the surgery building in the same configuration located within the southwest area of the site and with hard surfacing within the northeast area of the site, utilised as car parking. The site and the immediate surrounding areas have remained relatively unchanged up until the present day.

4.0 SITE ENVIRONMENTAL SETTING

4.1 PHYSICAL SETTING

The site is located within a mainly residential setting on the southeast edge of Port Talbot.

The site is situated on relatively level ground at an approximate elevation of 7m AOD.

4.2 GEOLOGY

The 1:50,000 scale geological map of the area indicates the site to be underlain by South Wales Middle Coal Measures Formation of the Carboniferous period. These rocks typically comprise grey, productive, coal-bearing mudstones/siltstones, with seatearths and minor sandstones. There are no conjectural outcrops in the vicinity of the site with the nearest indicated approximately 400m to the northwest. The strata dips in the vicinity of these conjectural outcrops are in an approximately northerly direction and therefore these seams would not underlie the site. There are a number of conjectural outcrops indicated much further away (in excess of 1500m) to the south of the site. These seams could underlie the site but would be at great depths.

Superficial Tidal Flat Deposits of the Quaternary period are indicated to overlie the solid strata. These deposits typically comprise a consolidated soft silty clay, with layers of sand, gravel and peat.

A variable thickness of made ground is anticipated above the superficial deposits across the site due to the historical uses including a railway line constructed on an embankment.

A summary of the anticipated geological succession is given below in Table 1.

Table 1: Summary of Anticipated Site Geology		
Geological unit	Horizon	Description
Recent	Made ground	Various materials
Quaternary	Tidal Flat Deposits	Consolidated soft silty clay, with layers of sand, gravel and peat
Carboniferous	South Wales Middle Coal Measures Formation	Grey, productive, coal-bearing mudstones/siltstones, with seatearths and minor sandstones

4.3 RADON

Information with regard to Radon Protective Measures is provided within the Envirocheck Report and the BGS Radon GeoReport as presented in Appendices A and B. The reports state that the site is within a lower probability area, as less than 1% of properties are above action level, and that therefore no radon protective measures would be necessary in the construction of new buildings within the site.

4.4 MINING

A CON29M Coal Mining Report for the site has been obtained from the Coal Authority and a copy is included in Appendix C.

The Coal Authority states that *“the property is in a surface area that could be affected by underground mining in 1 seam of coal at 770m depth, and last worked in 1906.”* The Coal Authority also states that *“any movement in the ground due to coal mining activity associated with these workings should have stopped by now.”*

As discussed previously there are no conjectural outcrops within a close proximity of the site with the nearest indicated approximately 400m to the northwest. The strata dips in the vicinity of these conjectural outcrops are in an approximately northerly direction and therefore these seams would not underlie the site. There are a number of conjectural outcrops indicated much further away (in excess of 1500m) to the south of the site. These seams could underlie the site but would be at great depths. The seam which is worked according to the Coal Authority Report is likely to be within one of the seams whose conjectural outcrop is indicated to the south of the site.

The Coal Authority mining report confirms that there are *“no recorded coal mine entries known to the Coal Authority within, or within 20 metres of, the boundary of the property.”*

The Coal Authority states that *“it is not aware of any damage due to geological faults or other lines of weakness affected by coal mining.”*

The Coal Authority has *“not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31 October 1994. There is no current Stop Notice delaying the start of remedial works or repairs to the property.”*

The Coal Authority is *“not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.”*

4.4 MINING (CONTINUED)

The Coal Authority has *“no record of a mine gas emission requiring action.”* However, a mine gas risk assessment should always be undertaken within coal mining areas in order to satisfy the guidelines within CL:AIRE document Good Practice for Risk Assessment for Coal Mine Gas Emissions, dated October 2021. (See Section 10.6)

The Coal Authority Interactive map indicates that the site is not located within a high-risk development area.

The professional opinion held by the Coal Authority at this time suggests *“evidence of, or potential for, coal mining related features have been identified. It is unlikely that these features will impact on the stability of the enquiry boundary.”*

It is therefore concluded the risk of subsidence issues associated with the presence of shallow mining is low and therefore no further specific coal mining related investigation is required.

4.5 HYDROLOGY, HYDROGEOLOGY AND FLOOD RISK

The Envirocheck Report indicates the nearest surface water feature to be located 329m to the northeast of the site. The OS Water Network Lines map indicates this to be an unnamed surface water issue. Arnallt Brook has been culverted underground and is located 32m to the southwest of the site. There are no other surface or below ground features located within 250m of the site boundary.

The Natural Resources Wales groundwater vulnerability map and aquifer database classifies the bedrock beneath the site as a Secondary 'A' Aquifer. Secondary 'A' Aquifers are permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers.

The Natural Resources Wales groundwater vulnerability map and aquifer database classifies the superficial deposits beneath the site as Secondary Aquifer-Undifferentiated. This classification is assigned in cases where it has not been possible to attribute either category A or B to a soil type. In most cases, this means that the layer in question has previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the material.

A perched water body could be encountered within the made ground due to the relatively impermeable nature of the underlying tidal flat deposits.

4.5 HYDROLOGY, HYDROGEOLOGY AND FLOOD RISK (CONTINUED)

It is considered possible that the existing site drainage could act as a pathway for potential surface contaminants.

There are three effective discharge consents recorded within 250m of the site boundary. The nearest two are recorded 226m to the south of the site where Dwr Cymru sewage discharges are received by a culverted section of Arnallt Brook. The other consent is a Dwr Cymru unspecified discharge recorded 233m to the south with the discharge received by Groeswen Brook/Arnallt Brook.

The Envirocheck Report states that there are no water abstractions recorded within 250m of the site boundary. The nearest abstraction is a surface water abstraction recorded 486m to the northwest. Water is abstracted from River Ffrwdwyllt with the water used by Corus UK for evaporative cooling.

Tables 2 and 3 present a summary of the hydrological features and key hydrogeological nature of the site.

Table 2: Summary of Site Hydrology					
Feature	Distance from site	Flow	Classification	Abstraction	Discharge
Arnallt Brook	32m southwest (culverted)	North westerly	Inland river	No	Nant Ffrwd Wyllt
Surface run-off	On site	Flows into site drainage	N/A	No	Not known
Site Drainage	On site	Not known	N/A	No	Not known

4.5 HYDROLOGY, HYDROGEOLOGY AND FLOOD RISK (CONTINUED)

Table 3: Summary of Site Hydrogeology				
Geological Unit	Aquifer Classification	Aquifer Characteristics	Source Protection Zone	Groundwater Abstractions
Made ground	Not classified	Highly variable permeability and porosity. Perched water may be present with variable flow directions.	No	None
Tidal Flat Deposits	Secondary Aquifer- Undifferentiated	Variable low to moderate permeability and porosity with intergranular flow possible. High clay content likely to restrict flow.	No	None
South Wales Middle Coal Measures Formation	Secondary A Aquifer	Variable moderate permeability coal-bearing mudstones/siltstones, and sandstones	No	None

The Groundwater Vulnerability map of the area indicates the secondary superficial aquifer to have a high vulnerability. The pollutant speed is high with well-connected fractures.

The Natural Resources Wales Flood Risk map as presented within the Envirocheck Report indicates that the site is at risk of extreme flooding from rivers or sea without defences.

The Natural Resources Wales Surface Water Flood Risk map as presented within the Envirocheck Report indicates that the site is not at a high-risk of surface water flooding (1 in 30-year flood extent).

The BGS Groundwater Flooding Susceptibility map as presented within the Envirocheck Report indicates the site to have potential for groundwater flooding to occur at surface.

4.6 LANDFILL SITES

The Envirocheck Report indicates that there are no BGS recorded, historical or local authority recorded landfill sites located within 1km of the site boundary. There are no active licensed waste management facilities located within 250m of the site boundary.

There is one area of potentially infilled land (non-water) located within 500m of the site boundary. The area is located 61m to the southwest at the location of the former historical spoil heap beyond the railway.

4.6 LANDFILL SITES (CONTINUED)

There are three areas of potentially infilled land (water) located within 250m of the site boundary. The areas are located 227m to the south, 230m to the southwest and 247m to the southwest at the location of historic surface water features.

4.7 POTENTIAL CONTAMINATION

Previous Uses

The various activities in the vicinity of the site which may have resulted in ground or water resource contamination on this site are listed below in Tables 4 and 5. Reference to Department of the Environment Industry Profiles has been made and a summary of the potential contaminants can be found in the tables.

Table 4: Potential Contaminants		
Land Use: Undeveloped land with school buildings encroaching across site from the southeast		
Material/Process	Contamination/Hazard	Evidence
Undeveloped areas	No potential contaminants	Historical maps
Areas crossed by access tracks and disturbed ground in the vicinity of the school buildings with construction works possibly utilised imported materials of unknown origin	Metals, semi metals, non-metals, PAH, asbestos	Historical maps
Land Use: Construction of the railway by 1899		
Material/Process	Contamination/Hazard	Evidence
Imported made ground/earthworks required to construct the embankment through the site followed by the construction of the railway line	Metals, semi metals, non-metals, PAH, asbestos	Historical maps
Use and maintenance of the railway line including possible localised spills of fuel or oil	Petroleum hydrocarbons-fuels/oils	Department of the Environment Industry Profiles

4.7 POTENTIAL CONTAMINATION (CONTINUED)

Table 4: Potential Contaminants (Continued)		
Land Use: Construction of Mount Surgery during the 1980's		
Material/Process	Contamination/Hazard	Evidence
Further ground disturbance as part of the construction works including the potential use of additional imported materials of unknown origin. Further ground disturbance during the 1990's when the surgery was extended	Metals, semi metals, non-metals, PAH, asbestos	History maps

Existing Uses

The building on site is currently fully operational as a GP surgery. The current site uses would not add any additional contamination concerns.

Adjacent Site Uses

Table 5: Potential Contaminants: Adjacent Site Uses		
Potential Contamination Source	Boundary	Associated Contaminants and Hazards
Community education centre and grounds	Southern	No Potential Contaminants
Commercial Road	North eastern	No Potential Contaminants
Residential development	North western	No Potential Contaminants
Undeveloped vegetated land	South western	No Potential Contaminants

4.8 OTHER ENVIRONMENTAL ISSUES

The Envirocheck Report indicates no environmentally sensitive land has been identified within 250m of the site boundary.

The Envirocheck Report indicates that there have been no pollution incidents to controlled waters recorded on site or within 250m of the site boundary. The nearest incident was a Category 3-Minor Incident involving an accidental spillage of oils-diesel recorded 306m to the southwest. The nearest Category 2-Significant Incident was recorded 567m to the south of the site and involved crude sewage.

4.8 OTHER ENVIRONMENTAL ISSUES (CONTINUED)

There have been no substantiated pollution incidents registered on site but one recorded within 250m of the site boundary. The incident was recorded 191m to the northwest of the site involving atmospheric pollutants and effects: noise which causes no impact on water or land but a significant impact on air.

There have been no prosecutions relating to controlled waters or to authorised processes recorded on site or recorded within 500m of the site boundary.

There are Points of Interest-Commercial Services located within 250m of the site boundary including a vehicle repair and servicing garage 101m to the northwest and a scrap yard located 122m to the southwest.

The boundary of the site in the vicinity of the proposed extension is vegetated. It is not known if any invasive plant species are present. It may be prudent to undertake a full vegetation survey prior to development.

5.0 PRELIMINARY CONCEPTUAL SITE MODEL

5.1 RISK ASSESSMENT FRAMEWORK

In order to be consistent with current UK government policies and legislation, it is necessary to identify, assess, estimate, evaluate, and take appropriate action to deal with land contamination, in accordance with the procedures specified in the Environment Agency guidance Land Contamination Risk Management (LCRM) published in October 2020. This replaces the now withdrawn 'Model Procedures for the Management of Land Contamination CLR-11' (Environment Agency 2004).

The risk assessment process is designed to provide a reasoned, structured and pragmatic mechanism for the identification of any potential human health and controlled waters risks associated with land contamination and where necessary to develop a robust remediation strategy to ensure protection of the sensitive receptors (human health of future residents, controlled waters, etc).

In accordance with LCRM, the term 'land contamination' is defined as:

- All land affected by contamination – land that might have contamination present which may, or may or may not, meet the statutory definition of contaminated land,
- Land determined as contaminated land under Part 2A of the Environmental Protection Act 1990.

LCRM provides a tiered approach to risk assessment, comprising a preliminary risk assessment (including the development of an initial conceptual site model), a generic quantitative risk assessment and a detailed quantitative risk assessment. For each tier of risk assessment, the following steps must be followed:

1. Identify the hazard - establish contaminant sources,
2. Assess the hazard – use a source-pathway-receptor linkage approach to determine if there is potential for unacceptable risk,
3. Estimate the risk – predict what degree of harm or pollution may result and how likely it is to occur, and
4. Evaluate the risk – decide whether a risk is unacceptable.

LCRM also provides definitions of the following terms:

- Hazard – a property or situation that in particular circumstances could lead to harm or pollution,

5.1 RISK ASSESSMENT FRAMEWORK (CONTINUED)

- Risk – a combination of the probability, or frequency of occurrence of a defined hazard and the magnitude of the consequences of the occurrence,
- Risk assessment – the formal process of identifying, assessing and evaluating the health and environmental risks that may be associated with a hazard,
- Risk management – the formal process to identify, assess and determine the risks, and to select and take action to mitigate them.

The three essential elements to any risk are defined by LCRM as follows:

- A contaminant, or pollutant, that is in, on, or under the land and that has the potential to cause harm, or pollution (Source)
- A route by which a receptor is, or could be affected by a contaminant (Pathway)
- A receptor, i.e. something that could be adversely affected by a contaminant, for example a person, controlled waters, an organism, an ecosystem, or Part 2A receptors such as buildings, crops or animals (Receptor).

In order for there to be a potential risk, all three of the above elements must be present. If there is a source of contamination and a receptor (for example a resident or site user), then there is only a potential risk if there is a pathway linking the two. Such an active pathway is known as a relevant pollutant linkage. It is possible for the same contaminant to be linked to a receptor via a number of pathways, and hence it is important that all relevant pollutant linkages, to both human health and controlled waters, are separately identified on a site in order that a comprehensive conceptual model can be formed and ultimately a robust remediation strategy designed.

Current practice during Generic Quantitative Risk Assessment of land affected by contamination is to use generic soil screening values based on the appropriate proposed end use. These usually comprise risk based Soil Guideline values (SGVs) or Generic Assessment Criteria (GACs) derived by the Environment Agency's Contaminated Land Exposure Assessment Model (CLEA). The SGVs and the supporting technical guidance were developed in order to assist in the assessment of long term risk to human health from the exposure to contaminated soils.

Revised Statutory Guidance, published in 2012, to support Part 2A of the Environmental Protection Act 1990, introduced a new four category system for classifying land under Part 2A. Category 1 includes land where the level of risk is clearly unacceptable and Category 4 includes land where the level of risk posed is considered to be acceptably low. Under Part 2A, land would be determined as contaminated if it falls within Categories 1 or 2.

5.1 RISK ASSESSMENT FRAMEWORK (CONTINUED)

The revised Part 2A Statutory Guidance was accompanied by an Impact Assessment that identified a role for new 'Category 4 Screening Levels' (C4SLs) that would provide a simple test for determining when land is suitable for use and definitely not contaminated land. A Policy Companion Document including the C4SLs was published in March 2014 (England) and May 2014 (Wales).

The C4SLs have been based on the CLEA methodology and derived using the CLEA model, with modified toxicological and exposure parameters. To date, C4SLs have been released for six substances (arsenic, cadmium, chromium (VI), lead, benzo(a)pyrene and benzene).

The C4SLs have been derived on the assumption that where they exist, they will be used as generic screening criteria within generic quantitative risk assessment.

Following publication of the C4SLs, Land Quality Management (LQM), in conjunction with the Chartered Institute for Environmental Health (CIEH) released Suitable 4 Use Levels (S4ULs) in January 2015.

The S4ULs have been derived in accordance with UK legislation, and using a modified version of the Environment Agency's CLEA software. As such, the S4ULs are based on the concept of minimal or tolerable risk as described in Human Health Toxicological Assessment of Contaminants in Soil (Science Report SR2, Environment Agency 2009a).

S4ULs have been derived for a wider number of substances.

In addition to the existing SGVs, C4SLs and S4ULs, Atkins ATRISK^{soil} also provide a set of Soil Screening Values. These are currently intended to be used in conjunction with SGVs, although they intend to update these values in line with the C4SLs in due course.

We have reviewed all sets of values and intend to use the most appropriate assessment criteria as Tier 1 screening values in the first instance. Where a published S4UL is available, and considered appropriate, this will be used in the first instance.

5.2 CONCEPTUAL MODEL FRAMEWORK

The preliminary stage of the risk assessment process is to develop and define a conceptual site model, based on the desk study and any existing site investigation data. This is used to establish any potential contaminant sources, identify existing and future receptors and assess if there are any potentially active pathways by which a potential risk may be present.

5.2 CONCEPTUAL MODEL FRAMEWORK (CONTINUED)

The preliminary conceptual site model will be developed and refined as site specific data is gathered, such as actual ground conditions and chemical data, resulting in a more robust conceptual understanding of the site.

5.3 CRITICAL SENSITIVE RECEPTOR – HUMAN HEALTH

The proposed redevelopment of the site is for a commercial end use. Therefore, the critical sensitive receptor from a human health perspective is an on-site commercial receptor.

In accordance with S4UL/C4SL and CLEA guidance for a standard commercial scenario, the critical sensitive receptor for a commercial end use risk assessment is a female adult, with exposure from 16 to 65 years.

The standard commercial end-use conceptual model defined by S4UL/C4SL and CLEA is assumed to be suitable for the purposes of this assessment.

5.4 CRITICAL SENSITIVE RECEPTOR – CONTROLLED WATERS

Based on the proposed redevelopment of the site for a commercial end use, and the findings of the desk study, the critical sensitive receptor from a controlled water perspective is groundwater within the Secondary 'A' Aquifer of the South Wales Middle Coal Measures Formation.

By considering groundwater as the critical sensitive receptor for controlled waters, the groundwater/hydrogeological risk assessment will also be protective of any nearby surface water features.

5.5 POTENTIAL CONTAMINANT SOURCES

As identified in the desk study, a railway line was constructed on an embankment across the site by 1899. The railway tracks were removed by the 1960's but the embankment remained. The site was redeveloped, and the embankment levelled during the 1980's in order to construct the surgery. The surgery was extended during the 1990's and remains on site up until the present day.

The potential types of contaminants of concern are listed below:

- Metals, semi-metals, and inorganics within the shallow made ground
- Polyaromatic hydrocarbons (PAH) within the shallow made ground

5.5 POTENTIAL CONTAMINANT SOURCES (CONTINUED)

- Possible localised Petroleum Hydrocarbons (VPH/EPH) within the shallow made ground associated with the former railway and embankment
- Asbestos within the shallow made ground.

5.6 POTENTIAL EXPOSURE PATHWAYS

Potential exposure pathways for the critical receptors (both human health and controlled waters) are listed below:

- Dermal contact with soil and/or soil derived dust
- Ingestion of soil
- Inhalation of soil derived dust
- Inhalation of vapours – indoor and outdoor air
- Leaching of contaminants from made ground to groundwater
- Transportation of contaminants within groundwater.

In addition, the following exposure pathways have also been considered:

- Ground gas generation and migration
- Building materials durability.

5.7 SUMMARY OF CONCEPTUAL EXPOSURE MODEL

A preliminary conceptual exposure model has been developed for the site. This is based on the findings of the desk study, historical review and site walk over and includes all potential sources, pathways and receptors that may be present on site. Those that have been identified as being potentially active require further investigation in the form of sampling and testing of soils and groundwater, followed by appropriate risk assessment.

The preliminary conceptual exposure model will be reviewed and refined following the completion of the site works and laboratory testing.

The preliminary conceptual exposure model is presented below in Table 6.

5.7 SUMMARY OF CONCEPTUAL EXPOSURE MODEL (CONTINUED)

Table 6: Preliminary Conceptual Exposure Model				
Source		Receptor	Pathway	Potentially Active Pathway?
Origin	Contaminant			
Made Ground of unknown origin and historical land uses	Metals, semi-metals, non-metals, PAH, asbestos	Commercial – human health	Dermal Contact with made ground/dust	✓
			Ingestion of soil	✓
			Inhalation of dust	✓
			Inhalation of vapours – indoor/outdoor	✓
	Metals, semi-metals, inorganics, PAH	Groundwater quality	Leaching from made ground	✓
	Metals, semi-metals, inorganics, PAH	Surface water quality	Transportation within groundwater	✓
Localised spills due to historic railway line crossing the site on an embankment (it should be noted that the site has been regraded prior to construction of surgery)	Petroleum hydrocarbons-fuels/oils	Commercial – human health	Dermal Contact with made ground/dust	✓
			Ingestion of soil	✓
			Inhalation of dust	✓
			Inhalation of Vapours – indoor/outdoor	✓
	Petroleum hydrocarbons-fuels/oils	Groundwater quality	Localised spillage or leaching from made ground	✓
	Petroleum hydrocarbons-fuels/oils	Surface water quality	Transportation within groundwater	✓
Made Ground of unknown origin and natural ground	pH and water	Building Materials Durability	Direct contact	✓
Ground Gas – organic, gas producing materials	Methane, carbon dioxide	Human health	Accumulation of gases in confined spaces, and/or migration off site, leading to asphyxiation, or risk of explosion	✓

6.0 THE SITE INVESTIGATION

6.1 FIELDWORKS

A site investigation was designed in accordance with BS 5930:2015+A1:2020, the Code of Practice for Site Investigations, BS10175:2011+A2:2017, the Code of Practice for Investigation of Potentially Contaminated Sites, and 'Development of Land Affected by Contamination: A Guide for Developers' prepared by Welsh Local Government Association (WLGA)/Natural Resources Wales (NRW) Land Contamination Working Group, 2017.

The site investigation was also designed to provide information to support and refine the preliminary conceptual site model/conceptual exposure model.

An investigation comprising 6No. windowless sample boreholes and 2 No. shallow hand dug trial pits, was carried out during the 23rd June 2022. The boreholes were located across the site and drilled to a maximum depth of 5.0m below existing ground level. The purpose of the boreholes was to prove the deeper ground conditions and allow an assessment of the most appropriate foundation type for the proposed development. In situ strength testing (SPT/CPTs) was carried out in the boreholes.

Soil infiltration tests were carried out in the hand dug trial pits in order to assess/monitor the likely permeability of the natural ground.

Representative soil samples were taken from the windowless sample boreholes for laboratory chemical and geotechnical testing and placed in the appropriate sample containers deemed suitable for the analysis required. Strict protocols were adopted during this process to limit the cross contamination of samples.

The fieldworks were supervised by a qualified Geotechnical Engineer from Intégral Géotechnique (Wales) Limited who also logged the windowless sample boreholes and hand dig trial pits and prepared their detailed engineering logs in accordance with the requirements of BS5930:2015+A1:2020. The engineering logs provide descriptions of the materials encountered in accordance with BSEN ISO 14688-1 (2002) and 14689-1 (2003) for soils and rocks respectively.

The approximate locations of the windowless sample boreholes and hand dug trial pits are shown on Figure 2, while their logs are presented in Appendix D and Appendix E respectively. The results of the soil infiltration tests are presented in Appendix F.

6.2 FIELD OBSERVATIONS

No visual or olfactory evidence of any contamination was observed during the drilling/excavation of the windowless sample boreholes and hand dug trial pits. No hydrocarbon odours were noted.

6.3 LABORATORY CHEMICAL TESTING

Representative soil samples were taken from the windowless sample boreholes across the site, stored at the appropriate temperature and dispatched to the UKAS and MCERTS accredited laboratories of i2 analytical for laboratory chemical testing within 24 hours.

The samples were tested for a range of contaminants that reflects the historical use of the site, the findings of the desk study and the preliminary conceptual site model/conceptual exposure model. A list of the soil testing carried out is given below:

Beryllium	Cadmium
Total Chromium	Hexavalent Chromium (VI)
Copper	Lead
Mercury	Nickel
Vanadium	Zinc
Arsenic	Boron
Selenium	Elemental Sulphur
Total Cyanide	Total Sulphate
Sulphide	Water Soluble Sulphate
pH	Monohydric Phenol
Polyaromatic Hydrocarbons (PAH)	

All soil samples were also screened for asbestos.

The results of all the soil testing are presented in Appendix G.

6.4 LABORATORY GEOTECHNICAL TESTING

Representative samples of the natural ground from both sites were dispatched to the UKAS and MCERTS accredited laboratories of Apex Testing Solutions and scheduled for analysis of moisture content, Atterberg Limits, water soluble sulphate and pH.

The results of the geotechnical testing are presented in Appendix H.

7.0 GROUND CONDITIONS

A summary of the ground conditions encountered across the site is presented below in Table 7.

Table 7: Summary of Ground Conditions		
Depth (m)		Stratum
From	To	
0.00	0.20/0.30	<u>TOPSOIL</u> Loose brown sandy silty GRAVEL with frequent roots and rootlets. Gravel is fine to coarse angular to sub-rounded of mudstone, sandstone and quartz. OR Soft brown sandy gravelly SILT with frequent roots and rootlets. Gravel is fine and medium angular to sub-rounded of mudstone, sandstone and quartz.
0.00	0.07/0.09	<u>Tarmac / Asphalt</u>
0.07/0.20	0.70/1.20	<u>MADE GROUND</u> Compact grey sandy GRAVEL. Gravel is fine to coarse angular and sub-angular of limestone. [Subbase] AND Loose grey sandy clayey GRAVEL and COBBLE of fine to coarse angular of limestone, concrete and brick. AND Loose brownish grey and black silty gravelly SAND. Gravel is fine to coarse angular to sub-rounded of vesicular slag, clinker, brick and concrete and sandstone.
0.70/1.20	>1.80/>2.50	<u>SUPERFICIAL SOILS</u> Very soft to soft becoming stiff brown mottled orange and silty sometimes gravelly CLAY Gravel is fine to coarse sub-angular and sub-rounded of sandstone, limestone and quartz. AND / OR Loose to medium dense, becoming dense greyish brown mottled orange silty gravelly clayey SAND / GRAVEL. Gravel is fine to coarse angular to sub-rounded of limestone, sandstone and quartz.

7.0 GROUND CONDITIONS (CONTINUED)

All trial pits and windowless sample boreholes were stable throughout the / excavation drilling.

7.1 TARMAC / ASPHALT

A surface covering of hardstanding material was encountered at exploratory locations WS02, WS03 and WS06. The material comprised a tarmac / hardstanding focussed around the car parking areas of the site. The hardstanding was proven to thicknesses of 0.07m and 0.09m thick.

7.2 TOPSOIL

Topsoil was encountered at the northern and southern ends of the site in areas laid to soft landscaping as part of the Surgery's car parking. A surface covering of topsoil was encountered within exploratory locations TP01, TP02, WS01, WS04 and WS05. The topsoil comprised a soft brown sandy slightly gravelly silt or a loose brown very slightly sandy very silty gravel. Frequent roots and rootlets were recorded throughout. The topsoil was encountered from ground level and proven to depths of 0.2m and 0.3m below ground level.

7.3 MADE GROUND

Made ground was encountered across the site underlying areas of soft landscaping and hardstanding. The made ground comprised variable layers of compact grey sandy gravels and loose grey sandy clayey gravel and cobbles, presumed to be used a sub-base layer for the overlying hardstanding material. Additional layers comprised loose to medium dense becoming dense black gravelly clayey sands. The variable made ground underlying the site was encountered from 0.07 and 0.2m below ground level and proven to depths between 0.7m and 1.2m.

Uncorrected N values from within the made ground deposits vary between 5 and 6.

7.4 SUPERFICIAL SOILS

The superficial soils underlying the site, typical of tidal flat deposits, were encountered underlying the made ground from depths of 0.7m and 1.2m below ground level. The superficial deposits generally comprised an upper mantle of soft to firm brownish grey silty clays overlying a medium dense brown gravelly sand / sandy clayey gravel. The superficial deposits were proven to depths of between >1.80 and >2.50m.

7.4 SUPERFICIAL SOILS (CONTINUED)

Uncorrected N values from within the superficial deposits vary between 1 and 50.

The laboratory plasticity test results on the recovered superficial soils indicates modified plasticity indices ranging between 4.5% and 13.6%, indicating a low volume change potential.

7.5 GROUNDWATER

Several groundwater strikes were noted during the drilling of the windowless sample boreholes. Details of the water standing within the boreholes is detailed below.

- WS01 – 1.70m bgl.
- WS02 – 1.90m bgl.
- WS03 – 2.15m bgl.

The groundwater conditions are based on observations made at the time of the fieldwork. It should be noted that groundwater levels may vary due to seasonal and other effects.

7.6 SOIL INFILTRATION TESTS

Soakaway testing was carried out in 2 No. hand dug trial pits (TP1 and TP2).

The trial pits were rapidly filled with water from a 25 litre container and the water level monitored over a period of time. Where infiltration and time allowed, repeat cycle tests were carried out in accordance with BRE365.

Insufficient infiltration was recorded within the trial pits in order to calculate an indicative design infiltration rate.

The soil infiltration test calculation sheets are presented in Appendix F.

The soakaway results are specific to the locations and depths of the tests undertaken.

8.0 CONTAMINATION

8.1 AVERAGING AREAS

In order to assess the laboratory test results reliably and in context, the data have been grouped into an averaging area. An averaging area (or area of interest) is that area of soil to which a receptor is exposed, or which otherwise contributes to the creation of hazardous conditions. This may be an area of historical industrial usage, a soil type, or a specific proposed end use.

In the case of this analysis, a site wide averaging area has been determined according to the proposed commercial end use.

8.2 SOIL CONTAMINATION

The Suitable 4 Use Levels (S4ULs) derived by LQM have been adopted as critical concentrations against which soil contaminant concentrations can be compared. In the absence of additional published S4ULs, the Category 4 Screening Levels (C4SLs) derived by DEFRA and Soil Screening Values (SSVs) derived by Atkins ATRISK^{soil} for a commercial end use have been adopted, where considered appropriate.

A total of 4 No. soil samples (comprising samples of made ground and superficial soils) were tested for contamination. The following samples were tested for contamination.

- WS01 at 0.5m – Made Ground
- WS02 at 0.4m – Made Ground
- WS03 at 1.2m – Superficial Soils
- WS06 at 0.3m – Made Ground

Since the results of the testing indicate total organic carbon content (TOC) in the range of <0.1% to 2.8%, the results have been compared to the respective guidelines, where applicable, for 1% soil organic matter content.

The soil test results have been summarised and are shown in Appendix I.

The results indicate that all of the analysed chemical elements and compounds are present at concentrations below the appropriate thresholds for a proposed residential end use with homegrown produce.

Asbestos was not detected in any of the tested soil samples

9.0 REVISED CONCEPTUAL EXPOSURE MODEL

The preliminary conceptual exposure model has been reviewed and revised to reflect the findings of the site investigation and the results of the laboratory testing of soils, soil leachate, groundwater and gas monitoring. Pathways identified as a relevant pollutant linkage require appropriate risk assessment or mitigation measures (see Section 10).

Table 8: Revised Conceptual Exposure Model						
Source		Receptor	Pathway	Preliminary Active Pathway?	Relevant Pollutant Linkage	Justification/ Mitigation
Origin	Contaminant					
Made Ground of unknown origin and historical land uses	Metals, semi-metals, non-metals, PAH, asbestos	Commercial–human health	Dermal Contact with made ground/dust	✓	✓	Elevated concentrations of PAH compounds identified within the made ground – risk assess.
			Ingestion of soil	✓	✓	
			Inhalation of dust	✓	✓	
			Inhalation of vapours – indoor/outdoor	✓	X	No sufficiently volatile contaminants identified.
	Metals, semi-metals, inorganics, PAH	Groundwater quality	Leaching from made ground	✓	X	No significantly elevated leachate concentrations identified.
	Metals, semi-metals, inorganics, PAH	Surface water quality	Transportation within groundwater	✓	X	No significantly elevated groundwater contamination identified.

9.0 REVISED CONCEPTUAL EXPOSURE MODEL (CONTINUED)

Source		Receptor	Pathway	Preliminary Active Pathway?	Relevant Pollutant Linkage	Justification/ Mitigation
Origin	Contaminant					
Localised spills due to historic railway line crossing the site on an embankment (it should be noted that the site has been regraded prior to construction of surgery)	Petroleum hydrocarbons-fuels/oils	Resident – human health	Dermal Contact with made ground/dust	✓	X	No evidence of hydrocarbon contamination during intrusive works <i>Risk Assess</i>
			Ingestion of soil	✓		
			Inhalation of dust	✓		
			Inhalation of Vapours – indoor/outdoor	✓		
	Petroleum hydrocarbons-fuels/oils	Groundwater quality	Localised spillage or leaching from made ground	✓	X	
	Petroleum hydrocarbons-fuels/oils	Surface water quality	Transportation within groundwater	✓	X	
Made Ground of unknown origin and natural ground	pH and water-soluble sulphate	Building Materials Durability	Direct contact	✓	✓	Building materials will be in contact with made ground <i>Risk assess</i>
Ground Gas – organic, gas producing materials	Methane, carbon dioxide	Human health	Accumulation of gases in confined spaces, and/or migration off site, leading to asphyxiation, or risk of explosion	X	X	Potential ground gas producing materials present <i>Risk Assess</i>

10.0 RISK ASSESSMENT

10.1 METHODOLOGY

The risk of pollution, health effects or environmental harm occurring as a result of ground contamination is dependent upon three principal factors:

- The scale of the contamination sources;
- The presence of sensitive “receptors”, eg Humans: health of the general public, site occupiers, redevelopment workers. Environment: flora, fauna, etc;
- The existence of migration pathways by which contaminants can reach the sensitive receptors.

This section assesses each of these factors in order to evaluate the overall level of risk and potential harm to receptors. The receptor may be human, a water resource, an eco-system or construction materials. Pathways connecting a perceived hazard to a receptor are referred to as exposure pathways.

The sources of contamination and the links connecting the hazards to the sensitive receptors will represent the basis for the risk assessment.

10.2 SOURCE-PATHWAY-RECEPTOR MODEL

The preliminary conceptual site model was based on the findings of the desk study. This was later reviewed and refined according to the findings of the site investigation, allowing for the ground conditions encountered and the results of laboratory testing of soil and groundwater. Any pathways considered to be inactive were removed from the model and all remaining potentially active pathways require risk assessment.

The pathways shown as potentially active in the Revised Conceptual Site Model in Section 9.0 above have been assessed below.

10.3 HUMAN HEALTH RISK ASSESSMENT

10.3.1 *Site in its Present Condition*

The site does not pose any risks to casual visitors or trespassers. The site is largely covered by tarmacadam or concrete.

10.3 HUMAN HEALTH RISK ASSESSMENT (CONTINUED)

10.3.2 Future Site Users

The results of the contamination testing have not recorded any elevated contaminant concentrations above the adopted assessment criteria for a commercial end use.

Based on the results of the intrusive site investigation, and considering the history of the site, the risk to future site end users from site sourced contamination is considered to be negligible.

No remedial mitigation measures to protect against site sourced contamination are considered necessary.

It is recommended that following demolition and breaking out of the hardstanding areas, the exposed formation is inspected and sampled/tested to check for any residual contamination, including asbestos.

10.3.3 Construction Workers

Appropriate health and safety measures are recommended for construction works involving the in-situ soils beneath the site.

Normal good hygiene practices should be adequate to protect the health and safety of redevelopment workers, and should include:

- Minimum handling of materials
- Washing of hands prior to all meal breaks, which should be taken in a designated clean area
- The use of standard protective clothing such as boots and overalls and gloves, where considered relevant.

In dry weather, inhalation of dust and gases should be avoided preferably by the use of dust suppression techniques to minimise fugitive emissions and minimisation of exposed materials at any particular time.

10.4 RISKS TO VEGETATION

The concentrations of phytotoxic elements in the tested soil samples, do not indicate the potential for adverse effects to vegetation. Accordingly, no specific protective measures are considered necessary with respect to the protection of vegetation.

10.4 RISKS TO VEGETATION (CONTINUED)

However, a suitable growth medium of a minimum thickness of 150mm of clean inert topsoil/subsoil is recommended in proposed areas of soft landscaping.

10.5 CONTROLLED WATERS RISK ASSESSMENT

The results of the laboratory chemical testing on representative soil samples have not identified any elevated contaminant concentrations with respect to human health and no evidence of any gross contamination was observed in the windowless sample boreholes.

Considering the history of the site and the results of the intrusive site investigation, the potential risk to controlled waters from site sourced contamination is considered to be negligible.

10.6 GROUND GAS AND MINE GAS RISK ASSESSMENT

A potential on-site source of ground gas has not been identified during the desk study or the intrusive investigation. Although made ground has been identified at all locations, the made ground generally contains sub-base type material or granular material containing brick, concrete slag and clinker with no organic materials.

Similarly, no viable off-site sources have been identified within the vicinity of the site, with no recorded, historical or local authority landfill sites located within 1km of the site boundary.

The Coal Authority has “*no record of a mine gas emission requiring action.*” However, due to the location of the site, within a coal mining reporting area, a mine gas risk assessment should still be undertaken.

The site is not located within a high-risk development area but based on the above guidelines a mine gas risk assessment should still be undertaken. The initial desk-based assessment of the site will be utilised in order to develop the level of mine gas risk within the site.

There are many sources of gas in mine workings including desorption of gas from coal and rocks, oxidation of coal, decomposition of old wood (such as pit props) and acidic mine drainage reacting with carbonate in the rocks around the seam or shaft. These gases, if produced within the old workings, would need a viable pathway to the surface such as a shaft or fractured rock above the workings.

10.6 GROUND GAS AND MINE GAS RISK ASSESSMENT (CONTINUED)

The desk study shows that the site is not located within a high-risk development area. Shallow coal workings are not recorded and there are no potential shallow unrecorded workings beneath the site.

There are no mine entries located within 50m of the site boundary. It is therefore concluded that there are no viable pathways, via old shafts or adits, for any mine gas beneath, or within an influencing distance, of the site.

No faults, fissures or breaklines are known to affect the development site. It is therefore concluded that there are no viable pathways via fractured rock or fault zones. The site is also overlain by a thickness of superficial deposits.

Based on the desk-based research, the potential risk from coal mine gas emissions at the development site is considered below:

Figure 13.1 Decision Support Tool for Mine Gas Risk Assessment, included within CL:AIRE document Good Practice for Risk Assessment for Coal Mine Gas Emissions, dated October 2021 includes a flow chart to aid the risk assessment process and decision making.

Stage 1 of the flow chart asks if the site is within a Coal Authority defined Coal Mining Reporting Area. Since the site is located within a Coal Authority defined Coal Mining Reporting Area the flow chart then asks if all of the following statements are true:

- Mine entries >50m from site boundary
- Workings >150m depth
- No faults or other potential pathways connecting surface to deeper unflooded workings
- Outside area of past or probable shallow workings on Coal Authority viewer

Based on the information gained from the desk-based research, it is considered that the Stage 1 statements are true. The CL:AIRE document 'Good Practice for Risk Assessment for Coal Mine Gas Emissions dated October 2021' therefore classifies the site as being within a "Negligible Risk Zone" and states that mitigation is not required based on the proposed development of the site.

Based on the above information, the risk of ground and/or mine gas migration to the proposed development is considered to be low, requiring no further consideration.

No radon protective measures are required within the development.

10.7 RISKS TO BUILDINGS AND MATERIALS DURABILITY

10.7.1 Concrete Classification

A summary of the laboratory chemical test results for the chemicals monohydric phenol, sulphur, total sulphate, water soluble sulphate, sulphide and pH, which may adversely affect the durability of building materials is presented in Appendices G and H.

Evidence to date does not indicate any specifically aggressive conditions, but it would be reasonable to expect a degree of sulphate and acidic aggressiveness from the made ground/ natural ground.

Made Ground

In accordance with BRE Digest SD1:2005 and adopting the assessment procedure specified therein for brownfield sites, the laboratory chemical test results indicate a characteristic value (taking the highest test result) for water soluble sulphate within the made ground of 19mg/l.

Using Table C2 of BRE Digest SD1:2005, this characteristic value corresponds to Design Sulphate Class DS-1.

The groundwater regime of the site has been assessed as 'mobile' and a characteristic pH value within the made ground of 7.8 has been determined (adopting the lowest test result). The Design Sulphate Class has been modified to give a site ACEC class of AC-1 for concrete structures constructed within the made ground.

Natural Ground

In accordance with BRE Digest SD1:2005 and adopting the assessment procedure specified therein for brownfield sites, the laboratory chemical test results indicate a characteristic value (taking the highest test result) for water soluble sulphate within the natural ground of 72mg/l.

Using Table C2 of BRE Digest SD1:2005, this characteristic value corresponds to Design Sulphate Class DS-1.

The groundwater regime of the site has been assessed as 'mobile' and a characteristic pH value within the made ground of 7.2 has been determined (adopting the lowest test result). The Design Sulphate Class has been modified to give a site ACEC class of AC-1 for concrete structures constructed within the natural ground.

10.7 RISKS TO BUILDINGS AND MATERIALS DURABILITY (CONTINUED)

10.7.2 Water Services

Water supply pipes will need to be protected from any contamination present within the ground. In particular, the presence of organic contaminants (such as PAH) should be addressed when selecting pipe materials. Measures to protect the pipes will include clean backfill to trenches and possibly alternative material selection. Reference should be made to UKWIR Guidance for the Selection of Water Supply Pipes to be used in Brownfield Sites, document No. 10/WM/03/21. The final design and selection of the pipe and associated backfill should be agreed with the appropriate Regulator prior to installation.

In order to comply with the UKWIR guidance, specific sampling and testing along the actual line of the proposed water supply route may need to be carried out once this has been established.

10.8 WASTE DISPOSAL

Excavated materials generated by the development may be considered as waste and subject to waste controls. Any re-use of excavated materials on-site should be undertaken in accordance with current waste and environmental legislation and which may require the production of an approved Materials Management Plan (MMP) prepared in accordance with the CL:AIRE Code of Practice.

It is recommended that a sustainable development strategy is adopted which reduces to a practicable minimum the generation of waste materials and the need for disposal to a licensed tip. Emphasis should be on recovery and re-use rather than disposal.

However, any waste or surplus materials that are generated will need to be classified in accordance with current EC regulations and Environment Agency guidance prior to disposal. It is the responsibility of the waste producer to classify the waste.

Based on the data obtained from the site investigation works, any waste materials comprising the existing made ground are likely to be classified as non-hazardous. The existing natural ground are likely to be classified as non-hazardous.

Any asbestos containing materials (ACMs) will be classified as hazardous waste.

This classification is provisional, and indicative of the likely waste classification based on the data obtained to date (including chemical composition, moisture content, etc.). It also assumes that the materials tested will be representative of future generated waste.

10.8 WASTE DISPOSAL (CONTINUED)

In order to minimise disposal, the materials generated should be segregated and examined, with appropriate testing as necessary, to enable the materials to be sorted or treated into lower classifications, with the resultant benefit of potentially generating re-use rather than disposal.

Once final waste sources and volumes are known, the waste stockpile to be disposed off-site will need to be classified in accordance with Environment Agency/Natural Resources Wales Waste Classification – Guidance on the Classification and Assessment of Waste Technical Guidance WM3 (2015). This is likely to require additional sampling and testing of the generated waste materials to provide an up to date current basis for classification.

Depending on the waste classification, waste acceptance criteria (WAC) testing may be required, in order to determine which class of landfill site the waste can be sent to.

It is recommended that the results of the waste classification and any WAC test results are sent to the intended licensed waste operator prior to disposal in order to confirm their classification and acceptance.

10.9 UNCERTAINTIES

It is important to recognise that there may be areas of contamination within the site that have not been found or that contaminants may be present at concentrations above those that have been found. It is also important to recognise that contamination may be localised and that no investigation, however comprehensive, is capable of finding such occurrences, other than by chance.

The near-surface drainage patterns have not been fully established.

The ground beneath the buildings has not been examined but on present evidence the existing floor slabs are in good condition and there is no evidence of any basements or past spills of potential contaminants. Some degree of made ground material should be expected beneath the existing floor slabs.

11.0 ENGINEERING CONSIDERATIONS AND RECOMMENDATIONS

11.1 DETAILS OF PROPOSED DEVELOPMENT

The proposed development will comprise a single storey front extension and porch and will also include the reconfiguration of the existing car park.

Reference has been made to a layout plan titled Proposed Site Plan, completed by Prichard Barnes Architects. (Ref: Drawing no.: L(0-)-03)

11.2 SITE PREPARATION

Prior to works commencing on site, all existing underground services, including drainage runs and manholes, should be identified and either be removed or protected and/or diverted from beneath the development area. Any diversionary works should be carried out under the supervision of, and to the specification of, the appropriate statutory authorities. Particular consideration should be given to the light posts that line the areas of soft landscaping in the northern and southern areas of the site.

Due to the close proximity of the new development to the southern hedge line, it is recommended that a survey of invasive species/pest plants is undertaken. Any pest plants should be subject to an eradication programme. All protection orders relating to existing vegetation/ecology should be adhered to during the development of the site.

Areas of existing tarmac should be planed off and the materials set aside for appropriate re-use or alternatively disposal off site at an appropriate facility.

All existing topsoil should be stripped from beneath proposed development areas for re-use in areas of gardens and soft landscaping.

All redundant footings, floor slabs, services and surface hardstanding associated with any required demolition of buildings/ structures will need to be fully broken out and removed. Demolition materials should be sorted, processed and the acceptable materials crushed to an appropriate size for re-use as granular fill (<125mm maximum particle size).

The resulting excavations should be backfilled with suitable granular fill material laid and compacted to Department of Transport (DTp) Specification for Earthworks.

Following demolition and clearance of the hard standing areas, the exposed formations should be inspected and checked for any signs of residual contamination (including ACM).

11.2 SITE PREPARATION (CONTINUED)

A system should be established for identification and dealing with any unforeseen contamination encountered during the site works (including identification of any potential asbestos containing materials). Any contamination, or suspected contamination, should be reported to the site manager, so that appropriate action may be taken, following specialist advice if necessary.

Any identified ACM should be handpicked by a suitable licenced contractor in accordance with an appropriate risk assessment and managed in accordance with the Control of Asbestos Regulations (2012). Any handpicked ACM should be disposed off-site at a suitable licensed facility as hazardous waste.

During site clearance and subsequent operations airborne nuisance caused by dust from site must be controlled on account of the health and safety of site operatives and the surrounding land uses, including pedestrian walkways and roads.

All exposed formations should be protected from site traffic and inclement weather in order to preserve their integrity. The near surface soils will be highly susceptible to damage and softening therefore a layer of blinding concrete or granular fill should be placed following exposure. The exposed areas should be minimised at all times.

Any soft spots/areas should be removed and replaced with well compacted site won or imported granular fill material. Consideration should be given to any excavations within the vicinity of WS05 where softening of the superficial soils was observed.

Semi mature trees are present along the perimeters of the site. Allowances should be made for the removal of any associated roots that may become exposed in any proposed nearby earthworks and foundation excavations. Any such works should be conducted in accordance with the code of practice recommended by the National House Building Council (NHBC).

The site investigation encountered a sub-base type material underlying the hardstanding areas across much of the site. These materials should be segregated and stockpiled separately for re-use as granular fill, subject to further testing of their suitability for reuse.

11.3 FOUNDATIONS AND FLOOR SLABS

The ground conditions beneath the site typically comprise hardstanding material or topsoil overlying made ground to between 0.07m/ 0.2m and 0.7m/ 1.2bgl, overlying generally soft and soft to stiff clays or loose to medium dense to dense sands / gravels.

11.3 FOUNDATIONS AND FLOOR SLABS (CONTINUED)

Given the ground conditions and the variable nature of the superficial deposits, it is considered that reinforced strip/trench fill foundations are suitable for the proposed development.

All reinforced strip/trench fill foundations should be constructed within superficial deposits generally comprising medium dense greyish brown and orange silty gravelly clayey sands. These deposits were typically encountered at depths of between approximately 0.9m and 1.0m bgl during the intrusive site investigation (WS04 and WS06).

It should be noted that should the proposed extension of the surgery extend beyond the footprint showed on the layout plan provided by Prichard Barnes Architects. (Ref: Drawing No.: L(0-)03), then bearing stratum depths may change. Particular consideration should be noted at WS05 where high softening of the superficial clays was recorded, probably associated with the removal of the former bridge abutment in this area of the site.

An allowable bearing pressure of 75kN/m² could be used for design purposes. At this intensity of loading, the total settlements should not exceed 30mm, and any angular distortions caused by differential movements should be less than 1:750.

Footings should be founded on similar strata throughout to reduce the risk of differential settlement.

The results of the laboratory plasticity tests indicate that the soils underlying the site have a low volume change potential. Foundations should penetrate the founding strata by a minimum of 200mm and be at a minimum depth of 900mm below finished development levels to protect against the effects of frost heave and/or thermal shrinkage.

Within influencing distances of existing and removed trees, footings should be deepened in accordance with NHBC guidance for low volume change potential soils.

Foundations should fully penetrate any encountered made ground and any soft/loose deposits.

Due to the significant thickness of variable made ground underlying the site, floor slabs should be designed and constructed as suspended. No radon protective measures would be necessary in the construction of new buildings within the site.

11.3 FOUNDATIONS AND FLOOR SLABS (CONTINUED)

The foundation recommendation for the proposed new extension should take into account the existing foundations and floor slabs of the current surgery building. Consideration should be made to the new foundation design to not apply additional loading to the existing foundations.

11.4 EXCAVATIONS AND FORMATIONS

Most excavations should be possible with normal soil excavating machinery. However, allowances should be made for the use of pneumatic breaker attachments, or similar tools, for breaking out the hardstanding and buried obstructions and foundations.

Groundwater was encountered at depths generally 1m to 2m below existing ground level during the site investigation works. It is considered that any groundwater inflows together with any rainfall within excavations could be controlled by the use of conventional pumping techniques to sumps. The ground conditions are based on observations made at the time of the fieldworks. It should be noted that groundwater levels may vary due to seasonal effects.

The sides of the excavations deeper than 1.0m should be supported by trench boxes or temporarily battered at gradients of typically 30°. Localised instability was encountered within the soft clays with depth during the investigation.

The exposed formation within the made ground and in-situ materials may be susceptible to damage, softening and deterioration by wet weather and site traffic. It is recommended that exposed formations are minimised, and that where present they should be protected by a layer of granular fill in order to preserve their integrity.

Any soft spots/areas should be removed and replaced with compacted imported granular materials.

11.5 ACCESS ROADS AND CAR PARKING AREAS

Following site strip there are likely to be variations in the strength of the materials at the formation levels. Subject to confirmatory in-situ testing, we recommend that for design purposes California Bearing Ratio (CBR) values of between 2-3% could be assumed for the variable in-situ superficial soils

Values of <2% could be assumed for the variable made ground encountered across the site.

11.5 ACCESS ROADS AND CAR PARKING AREAS (CONTINUED)

Formations within the superficial deposits should be regarded as frost susceptible. It will be necessary to ensure their performance and hence contingencies should be allowed for the removal of any soft spots/areas and their replacement with well compacted granular fill materials. These should be placed in well compacted layers, in accordance with Department of Transport (DTp) Specification for Highway Works.

Allowances should be made for undertaking field CBR tests in order to confirm the above assumptions. Depending on the outcome of such field tests, the above recommendations may be revised, if necessary, amended.

11.6 DRAINAGE

Soil infiltration tests were undertaken within two trial pits (TP1 and TP2) in accordance with BRE365.

Negligible infiltration was observed during the monitoring period; therefore, an infiltration rate could not be calculated for any of the testing locations.

The results of the infiltration testing undertaken at the tested depths and locations, indicates that the near surface tidal flat deposits are likely to be unsuitable for the use of sustainable drainage designs/systems.

11.7 RECOMMENDED FURTHER WORKS

Further intrusive works may be required should the proposed development plan vary from the current proposals.

It should be noted that should the proposed extension of the surgery extend beyond the footprint showed on the layout plan provided by Prichard Barnes Architects. (Ref: Drawing No.: L(0-03), then bearing stratum depths may change. Consideration should be noted at WS05 where high softening of the superficial clays was recorded.

APPENDIX A

ENVIROCHECK REPORT

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

296454965_1_1

Customer Reference:

14053/LP

National Grid Reference:

277580, 188590

Slice:

A

Site Area (Ha):

0.17

Search Buffer (m):

1000

Site Details:

Mount Surgery, Margam Road
Port Talbot
SA13 2BN

Client Details:

MR H Pritchard
Integral Geotechnique
Integral House
7 Beddau Way
Castlegate Business Park
Caerphilly
CF83 2AX

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	39
Hazardous Substances	-
Geological	43
Industrial Land Use	50
Sensitive Land Use	60
Data Currency	61
Data Suppliers	67
Useful Contacts	68

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client. In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 3		3	5	32
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls	pg 13				1
Integrated Pollution Prevention And Control	pg 13				1
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 13			1	1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 13			Yes	
Pollution Incidents to Controlled Waters	pg 14			3	3
Prosecutions Relating to Authorised Processes	pg 15				1
Registered Radioactive Substances					
River Quality	pg 15		1		1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points	pg 16			3	
Substantiated Pollution Incident Register	pg 18		1	3	4
Water Abstractions	pg 19			6	8 (*14)
Water Industry Act Referrals	pg 26				1
Groundwater Vulnerability Map	pg 26	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 27	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 27	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 27	Yes	Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 33		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 34		4	15	20

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 39		1	1	5
Local Authority Landfill Coverage	pg 40	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 40		1		4
Potentially Infilled Land (Water)	pg 40		3	9	19
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 43	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 43	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 46			2	5
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 47	Yes	n/a	n/a	n/a
Mining Instability	pg 48	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 48		Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 48	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 48	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 48	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 48	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 50		3	5	33
Fuel Station Entries	pg 53			1	
Points of Interest - Commercial Services	pg 53		3	3	7
Points of Interest - Education and Health	pg 54				2
Points of Interest - Manufacturing and Production	pg 54			17	30
Points of Interest - Public Infrastructure	pg 58		2		6
Points of Interest - Recreational and Environmental	pg 59		1		5
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland	pg 60			1	
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (SW)	0	1	277575 188594
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	20	1	277550 188550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (W)	97	1	277450 188600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	114	1	277575 188450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (S)	115	1	277550 188450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	146	1	277750 188600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	153	1	277750 188650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (W)	160	1	277400 188650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	167	1	277700 188750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	196	1	277800 188600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (E)	196	1	277800 188594
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (S)	214	1	277550 188350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	245	1	277800 188750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	250	1	277850 188650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (E)	251	1	277850 188550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	257	1	277350 188750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	264	1	277850 188700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (E)	267	1	277850 188500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (S)	271	1	277500 188300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	274	1	277800 188800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (E)	296	1	277900 188594
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	296	1	277900 188600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	308	1	277800 188850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	314	1	277575 188250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	320	1	277500 188250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (SE)	333	1	277900 188450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	346	1	277950 188594
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	346	1	277950 188600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14SW (E)	350	1	277950 188550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (NE)	362	1	277750 188950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	364	1	277575 188200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	379	1	277650 189000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	396	1	278000 188594
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SW)	399	1	277400 188200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	399	1	278000 188550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14SW (SE)	401	1	277950 188400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (NE)	408	1	277750 189000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14SW (E)	409	1	278000 188500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	415	1	277600 188150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SW)	422	1	277350 188200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SW)	444	1	277250 188250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (SE)	445	1	278000 188400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	449	1	278050 188550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	454	1	277750 189050

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	456	1	278050 188700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	458	1	278050 188500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14SW (SE)	470	1	278000 188350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7NE (SW)	479	1	277200 188250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SW)	486	1	277150 188300
1	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Staions Location: Cso 123 At Margam Pumping Station, Opposite Brombil Street, Margam, Port Talbot, Sa13 1nd Authority: Natural Resources Wales Catchment Area: FFRWD WYLLT - HEADWATERS TO TIDAL LIMIT Reference: Bp0046202 Permit Version: 3 Effective Date: 14th March 2022 Issued Date: 14th March 2022 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Culverted Section Of Arnallt Brook Status: Effective Positional Accuracy: Located by supplier to within 10m	A13SE (S)	226	2	277630 188347
1	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Staions Location: Cso 123 At Margam Pumping Station, Opposite Brombil Street, Margam, Port Talbot, Sa13 1nd Authority: Natural Resources Wales Catchment Area: FFRWD WYLLT - HEADWATERS TO TIDAL LIMIT Reference: Bp0046202 Permit Version: 3 Effective Date: 14th March 2022 Issued Date: 14th March 2022 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Culverted Section Of Arnallt Brook Status: Effective Positional Accuracy: Located by supplier to within 10m	A13SE (S)	226	2	277630 188347
1	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Station - Water Company Location: Margam Ps Nr.Brombil St Authority: Natural Resources Wales Catchment Area: Arnallt Brook Reference: BP0046202 Permit Version: 1 Effective Date: 20th August 1987 Issued Date: 20th August 1987 Revocation Date: 31st March 2004 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Groeswen Brook / Arnallt Brook Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A13SE (S)	233	2	277630 188340

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Swo. Brombil& Prince St M Authority: Natural Resources Wales Catchment Area: Arnallt Brook Reference: BW0202201 Permit Version: 1 Effective Date: 20th October 1989 Issued Date: 20th October 1989 Revocation Date: 31st March 2004 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: River Afan Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A8NE (SE)	433	2	277800 188200
3	Discharge Consents Operator: British Steel Plc (Tinplate) Property Type: Iron & Steel Industries Location: No 3 Blast Furnace Port Talbot Work, Port Talbot Works Port Talbot Authority: Natural Resources Wales Catchment Area: Not Given Reference: Ba2020002 Permit Version: 1 Effective Date: 1st January 1950 Issued Date: 16th June 1994 Revocation Date: 20th September 1995 Discharge Type: Trade Effluent Discharge: Not Supplied Environment: Receiving Water: The Culverted River Ffrwdwyllt Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A12NE (NW)	494	2	277130 188850
3	Discharge Consents Operator: British Steel Plc (Tinplate) Property Type: Iron & Steel Industries Location: No 3 Blast Furnace Port Talbot Work, Port Talbot Works Port Talbot Authority: Natural Resources Wales Catchment Area: River Afan Reference: Ba2020001 Permit Version: 1 Effective Date: 28th August 1963 Issued Date: 28th August 1963 Revocation Date: 9th June 1994 Discharge Type: Trade Effluent Discharge: Not Supplied Environment: Receiving Water: Ffrwdwyllt Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	494	2	277130 188850
4	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cso 123 Margam Ps Nr Brombill St, Magam Pumping Station, Nr Brombill Street, Margam Authority: Natural Resources Wales Catchment Area: FFRWD WYLLT - HEADWATERS TO TIDAL LIMIT Reference: Bp0046202 Permit Version: 2 Effective Date: 1st April 2004 Issued Date: 31st March 2004 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Arnallt Brook Status: Effective Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	499	2	277186 188236

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cso 123 Margam Ps Nr Brombill St, Magam Pumping Station, Nr Brombill Street, Margam Authority: Natural Resources Wales Catchment Area: FFRWD WYLLT - HEADWATERS TO TIDAL LIMIT Reference: Bp0046202 Permit Version: 2 Effective Date: 1st April 2004 Issued Date: 31st March 2004 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Arnallt Brook Status: Effective Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	499	2	277186 188236
5	Discharge Consents Operator: British Steel Plc (Tinplate) Property Type: Iron & Steel Industries Location: No12ax Power Plt To D'K Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bp0059207 Permit Version: 1 Effective Date: 16th September 1987 Issued Date: 16th September 1987 Revocation Date: 28th March 1994 Discharge Type: Trade Effluent Discharge: Not Supplied Environment: Receiving Water: Port Talbot Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A12NE (W)	545	2	277000 188600
6	Discharge Consents Operator: British Steel Plc (Tinplate) Property Type: Iron & Steel Industries Location: Pt Talbot Wks Blast F'Ces Gas Wash, Blast F'Ces Gas Wash Water-Aba Authority: Natural Resources Wales Catchment Area: River Afan Reference: Ba2020101 Permit Version: 1 Effective Date: 28th August 1965 Issued Date: 28th August 1965 Revocation Date: 22nd January 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Ffrwdwyllt Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	553	2	277100 188910
7	Discharge Consents Operator: British Steel Plc (Tinplate) Property Type: Iron & Steel Industries Location: Power Plants 12 & 12a (Cooling Wate, (Cooling Water) Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bp0059206 Permit Version: 2 Effective Date: 5th March 1993 Issued Date: 5th December 1992 Revocation Date: 9th February 1999 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Port Talbot Dock Status: Revoked and replaced by IPC Authorisation Positional Accuracy: Located by supplier to within 100m	A12NE (W)	645	2	276900 188600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Discharge Consents Operator: British Steel Plc Property Type: Iron & Steel Industries Location: Power Plants 12 & 12a (Cooling Wate, (Cooling Water) Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bp0059206 Permit Version: 2 Effective Date: 5th March 1993 Issued Date: 5th December 1992 Revocation Date: 9th February 1999 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Port Talbot Dock Status: Revoked and replaced by IPC Authorisation Positional Accuracy: Located by supplier to within 100m	A12NE (W)	645	2	276900 188600
7	Discharge Consents Operator: British Steel Plc (Tinplate) Property Type: Iron & Steel Industries Location: Power Plants 12 & 12a (Cooling Wate, (Cooling Water) Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bp0059204 Permit Version: 2 Effective Date: 5th March 1993 Issued Date: 5th December 1992 Revocation Date: 20th September 1995 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Port Talbot Dock Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A12NE (W)	645	2	276900 188600
7	Discharge Consents Operator: Associated British Ports Property Type: Iron & Steel Industries Location: Power Plants 12 & 12a (Cooling Wate, (Cooling Water) Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bp0055708 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: Receiving Water: Port Talbot Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A12NE (W)	645	2	276900 188600
7	Discharge Consents Operator: British Steel Plc (Tinplate) Property Type: Iron & Steel Industries Location: Power Plants 12 & 12a (Cooling Wate, (Cooling Water) Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bp0059204 Permit Version: 1 Effective Date: 16th September 1987 Issued Date: 16th September 1987 Revocation Date: 4th March 1993 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Port Talbot Dock Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A12NE (W)	645	2	276900 188600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Swo.North St.Footbridge Pt.Tal Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bw0203101 Permit Version: 1 Effective Date: 27th October 1952 Issued Date: 27th October 1952 Revocation Date: 14th March 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: River Ffrwdwyllt Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A18NW (N)	649	2	277510 189270
9	Discharge Consents Operator: Associated British Ports Property Type: Undefined Or Other Location: Lock Levelling Water Taken From R F, Water Taken From R Ffrwdwyllt Fo, For Port Talbot Docks Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bp0055733 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 10th May 1995 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: River Ffrwdwyllt Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A12NE (NW)	719	2	276900 188900
10	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewage Disposal Works Location: Glandyrrryn Close Cso Port Talbot, Opp 28, Conduit Place (Across Heol Carodog), Taibach, Port Talbot, Sa13 2tt Authority: Natural Resources Wales Catchment Area: FFRWD WYLLT - HEADWATERS TO TIDAL LIMIT Reference: Bp0359301 Permit Version: 2 Effective Date: 17th December 2019 Issued Date: 17th December 2019 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Ffrwd Wyllt Status: Effective Positional Accuracy: Located by supplier to within 10m	A18NW (N)	727	2	277533 189351
10	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewage Disposal Works Location: Glandyrrryn Close Cso Port Talbot, Glandyffryn Close Cso, Neath Port Talbot, Wales, Sa13 2ub Authority: Natural Resources Wales Catchment Area: FFRWD WYLLT - HEADWATERS TO TIDAL LIMIT Reference: Bp0359301 Permit Version: 1 Effective Date: 28th February 2007 Issued Date: 28th February 2007 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Ffrwd Wyllt Status: Effective Positional Accuracy: Located by supplier to within 10m	A18NW (N)	727	2	277533 189351

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewage Disposal Works Location: Glandyrrryn Close Cso Port Talbot, Glandyffryn Close Cso, Neath Port Talbot Wales, Sa13 2ub Authority: Natural Resources Wales Catchment Area: FFRWD WYLLT - HEADWATERS TO TIDAL LIMIT Reference: Bp0359301 Permit Version: 1 Effective Date: 28th February 2007 Issued Date: 28th February 2007 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Ffrwd Wyllt Status: Effective Positional Accuracy: Located by supplier to within 10m	A18NW (N)	727	2	277533 189351
11	Discharge Consents Operator: Associated British Ports Property Type: Undefined Or Other Location: Port Talbot Docks Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bp0055709 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: Receiving Water: Port Talbot Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A12NW (W)	745	2	276800 188600
11	Discharge Consents Operator: Associated British Ports Property Type: Undefined Or Other Location: Port Talbot Docks Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bp0055710 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: Receiving Water: Port Talbot Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A12NW (W)	745	2	276800 188600
11	Discharge Consents Operator: Associated British Ports Property Type: Undefined Or Other Location: Port Talbot Docks Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bp0055711 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: Receiving Water: Port Talbot Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A12NW (W)	745	2	276800 188600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Discharge Consents Operator: Associated British Ports Property Type: Undefined Or Other Location: Port Talbot Docks Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bp0055724 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: Receiving Water: Port Talbot Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A12NW (W)	745	2	276800 188600
12	Discharge Consents Operator: Associated British Ports Property Type: Support Services - Sea Transport Location: Tarmac Topmix Site Authority: Natural Resources Wales Catchment Area: River Afan Reference: BP0055730 Permit Version: 2 Effective Date: 21st January 1993 Issued Date: 21st October 1992 Revocation Date: 14th July 2008 Discharge Type: Unspecified Discharge: Freshwater Stream/River Environment: Receiving Water: River Ffrwdwyllt (Tidal) Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	769	2	276900 189000
12	Discharge Consents Operator: Associated British Ports Property Type: Support Services - Sea Transport Location: Tarmac Topmix Site Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bp0055730 Permit Version: 1 Effective Date: 18th September 1987 Issued Date: 18th September 1987 Revocation Date: 20th January 1993 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: River Ffrwdwyllt (Tidal) Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	769	2	276900 189000
13	Discharge Consents Operator: British Steel Plc Property Type: Iron & Steel Industries Location: Power Plants 12 & 12a (Cooling Water, (Cooling Water) Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bp0059206 Permit Version: 1 Effective Date: 16th September 1987 Issued Date: 16th September 1987 Revocation Date: 4th March 1993 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Port Talbot Dock Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A18NE (N)	774	2	277600 189400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	Discharge Consents Operator: British Steel Plc (Tinplate) Property Type: Iron & Steel Industries Location: Oil Tank Farm Bsc Por Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bp0059205 Permit Version: 1 Effective Date: 16th September 1987 Issued Date: 16th September 1987 Revocation Date: 30th June 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Port Talbot Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A12NW (W)	853	2	276700 188700
14	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewage Disposal Works - Water Company Location: Afan Wwtw Phoenix Wharf Harbour Rd, Port Talbot Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bp028760101 Permit Version: 1 Effective Date: 1st December 2000 Issued Date: 1st December 2000 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Unspecified - Water Company Discharge: Controlled Sea Environment: Receiving Water: Swansea Bay Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Manually positioned within the geographical locality	A12NW (W)	864	2	276690 188709
15	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Taibach Tan Y Groes Road Bridgend Authority: Natural Resources Wales Catchment Area: Not Given Reference: BP0240101 Permit Version: 1 Effective Date: 21st July 1994 Issued Date: 21st July 1994 Revocation Date: 31st March 2003 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Ffwdwyllt Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A18NE (N)	915	2	277630 189540
16	Discharge Consents Operator: Tata Steel Uk Limited Property Type: Education Location: Stp @ Tata Steel Strip Products, Limited, Tata Steel, Port Talbot Steelworks, Port Talbot, Sa13 3ng Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Eprxp3522xr Permit Version: 1 Effective Date: 19th December 2012 Issued Date: 19th December 2012 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Arnallt Brook Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A8SE (S)	918	2	277776 187670

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	Discharge Consents Operator: Tata Steel Uk Limited Property Type: Recreational & Cultural Location: Stp @ Tata Steel Strip Products, Limited, Tata Steel, Port Talbot Steelworks, Port Talbot, Sa13 3ng Authority: Natural Resources Wales Catchment Area: FFRWD WYLLT - HEADWATERS TO TIDAL LIMIT Reference: Xp3522xr Permit Version: 1 Effective Date: 19th December 2012 Issued Date: 19th December 2012 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Arnallt Brook Status: Effective Positional Accuracy: Located by supplier to within 10m	A8SE (S)	918	2	277776 187670
16	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cso Rear Of Margam Road Depot, Near Magnin Close, Margam, Port Talbot, Sa13 2lw Authority: Natural Resources Wales Catchment Area: SWANSEA BAY Reference: Cb3298fz Permit Version: 1 Effective Date: 23rd November 2021 Issued Date: 23rd November 2021 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Arnallt Brook Culvert (To Swansea Bay) Status: Effective Positional Accuracy: Located by supplier to within 10m	A8SE (S)	929	2	277822 187671
17	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Swo. Knights Road Soccer Pitch Marg, Soccer Pitch Margam Authority: Natural Resources Wales Catchment Area: Arnallt Brook Reference: Bw0202101 Permit Version: 1 Effective Date: 20th October 1989 Issued Date: 20th October 1989 Revocation Date: 14th March 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: River Afan Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A8SE (S)	926	2	277900 187700
17	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Margam Toronto Ave. Emergency Ov, Toronto Ave. Emergency Over Authority: Natural Resources Wales Catchment Area: Afon Kenfig Reference: BP0046201 Permit Version: 1 Effective Date: 20th August 1987 Issued Date: 20th August 1987 Revocation Date: 7th February 2003 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Arnallt Brook Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A9SW (S)	929	2	277930 187710

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	Discharge Consents Operator: Associated British Ports Property Type: Undefined Or Other Location: Phoenix Wharf Surface Water Port, Port Talbot Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bp0043001 Permit Version: 2 Effective Date: 7th July 1987 Issued Date: 7th July 1987 Revocation Date: 31st October 1995 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Phoenix Wharf Docks Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A12NW (W)	952	2	276600 188700
18	Discharge Consents Operator: Associated British Ports Property Type: Undefined Or Other Location: Phoenix Wharf Surface Water Port, Port Talbot Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bp0043001 Permit Version: 1 Effective Date: 1st January 1901 Issued Date: 1st January 1901 Revocation Date: 6th July 1987 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Phoenix Wharf Docks Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A12NW (W)	952	2	276600 188700
19	Discharge Consents Operator: Short Bros (Plant) Ltd, Property Type: General Construction Work Location: Llewellyn Quay P Talbot Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bp0028901 Permit Version: 1 Effective Date: 2nd October 1986 Issued Date: 2nd October 1986 Revocation Date: 21st April 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Soakaway Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	952	2	276830 189210
20	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Water Supply Grid Location: Goytre S.Res Chl.Overfl Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bp0184501 Permit Version: 1 Effective Date: 2nd October 1989 Issued Date: 2nd October 1989 Revocation Date: 14th March 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: To Land Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	966	2	278000 189500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	Discharge Consents Operator: Mechema Chemicals Ltd Property Type: Basic Industry, Chemicals Inorganic Location: Port Talbot Talbot Wharf Chemical W, Talbot Wharf Chemical Works W.Gl, W.Glam Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bp0096301 Permit Version: 1 Effective Date: 17th August 1988 Issued Date: 17th August 1988 Revocation Date: 27th June 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: To Land Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	991	2	276700 189100
22	Integrated Pollution Controls Name: Bitmac Ltd Location: Phoenix Wharf, Port Talbot Dock, South Side, PORT TALBOT, West Glamorgan, SA13 1RA Authority: Environment Agency, Welsh Region Permit Reference: BH2952 Dated: 29th October 1999 Process Type: IPC new application Description: 1.2 A (B) Carbonisation and associated processes within the Fuel & Power Industry Status: Application has met the requirements for authorisation (but not yet authorised) Positional Accuracy: Manually positioned within the geographical locality	A12NW (W)	878	3	276675 188697
23	Integrated Pollution Prevention And Control Name: Port Talbot Power Limited Location: Port Talbot Ccgt Power Station, Phoenix Wharf, The Docks, Port Talbot, West Glamorgan, SA13 1RA Authority: Environment Agency, Welsh Region Permit Reference: AP3435UJ Original Permit Ref: Ap3435uj Effective Date: Not Supplied Status: Valid Application Type: Application App. Sub Type: New Positional Accuracy: Located by supplier to within 10m Activity Code: 1.1 A(1) (A) Activity Description: Combustion; Any Fuel Greater Or Equal To 50MW Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N	A12NW (W)	876	3	276670 188620
24	Local Authority Pollution Prevention and Controls Name: Margam Motors Location: Prince Street, Margam, PORT TALBOT, West Glamorgan, SA13 1NB Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/15 Dated: 16th February 1995 Process Type: Local Authority Air Pollution Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input Status: Authorised Positional Accuracy: Automatically positioned to the address	A13SE (SE)	279	4	277707 188324
25	Local Authority Pollution Prevention and Controls Name: Cambrian Stone Limited Location: Margam Slagworks, Po Box 12, PORT TALBOT, West Glamorgan, SA13 Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/11 Dated: 13th May 1994 Process Type: Local Authority Air Pollution Control Description: PG3/8 Quarry processes including roadstone plants and the size reduction of bricks, tiles and concrete Status: Authorisation has varied Positional Accuracy: Approximate location provided by supplier	A7NE (SW)	773	4	277025 188010
	Nearest Surface Water Feature	A13NE (NE)	329	-	277854 188820

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	Pollution Incidents to Controlled Waters Property Type: Not Given Location: British Steel, PORT TALBOT Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Note: No Watercourse Affected - Contaminated Land; Spillage Incident Date: 11th April 1998 Incident Reference: 35507 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	306	3	277300 188400
27	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Side Of Railway Line, PORT TALBOT Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Note: Deliberate Act Incident Date: 9th May 1996 Incident Reference: 28283 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	394	3	277300 188895
27	Pollution Incidents to Controlled Waters Property Type: Waste Handling Facilities Location: Railway Line, PORT TALBOT Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Note: Deliberate Act Incident Date: 9th May 1996 Incident Reference: 28283 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	398	3	277300 188900
28	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Margam British Rail Yards, Porthcawl Road Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 15th December 1991 Incident Reference: 1666 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A8NW (S)	567	3	277500 188000
29	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Freshwater Docks, PORT TALBOT Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Natural Causes Incident Date: 23rd September 1995 Incident Reference: 25959 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	776	3	276800 188800
30	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Wildmill Estate, PORT TALBOT Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Inadequate Design/Capacity Incident Date: 25th September 1995 Incident Reference: 26060 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	980	3	277700 189600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	Prosecutions Relating to Authorised Processes Location: Kenwoth Buildings, Llewellyns Quay, Port Talbot, West Glamorgan, Sa13 1rf Prosecution Text: Special Waste (Including Bonded Asbestos)Stored At A Site Without A Waste Management Licence Prosecution Act: Epa90 S33(1)(A) & S33(1)(B) Hearing Date: 31st March 2003 Verdict: Guilty Fine: 1500 Costs: 1572 Positional Accuracy: Manually positioned within the geographical locality	A17SW (NW)	946	3	276704 189014
	River Quality Name: Ffrwdwyllt GQA Grade: River Quality A Reach: Docks Entr.P.Talbot-Conf.Nant Cwm Y Garn Estimated Distance (km): 2.4 Flow Rate: Flow less than 1.25 cumecs Flow Type: River Year: 2000	A13NW (NW)	206	3	277455 188786
	River Quality Name: Not Supplied GQA Grade: Unclassified Tidal River Reach: Not Supplied Estimated Distance (km): Not Supplied Flow Rate: Not Supplied Flow Type: Not Supplied Year: 1995	A12NE (W)	551	3	277007 188699

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	River Quality Chemistry Sampling Points Name: Ffrwdwyllt Reach: Docks Entrance Port Talbot To Confluence Nant Cwm Y Garn Estimated Distance: 2.40 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied	A13NW (NW)	458	3	277244 188929

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	River Quality Chemistry Sampling Points Name: Ffrwdwyll Reach: Confluence Cwm Y Garn To Confluence Cwm Wernderi Estimated Distance: 1.40 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied	A13NW (NW)	458	3	277244 188929

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	River Quality Chemistry Sampling Points Name: Ffrwdwyllt Reach: Confluence Cwm Wernderi To Varteg Road Bridge Estimated Distance: 3.20 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied	A13NW (NW)	458	3	277244 188929
33	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 21st December 2020 Incident Reference: 2008794 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric pollutants and Effects: Noise	A13NW (NW)	191	2	277404 188711
34	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 8th January 2014 Incident Reference: 1191891 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Other Pollutant: Noise	A13SE (S)	285	2	277684 188305

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 8th July 2020 Incident Reference: 2004901 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric pollutants and Effects: Noise	A12SE (W)	454	2	277110 188453
36	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 28th February 2019 Incident Reference: 1901284 Water Impact: Category 4 - No Impact Air Impact: Category 3 - Minor Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric pollutants and Effects: Noise	A14SW (SE)	474	2	278026 188388
37	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 15th September 2018 Incident Reference: 1805920 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric pollutants and Effects: Noise	A7NE (SW)	763	2	277098 187960
38	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 22nd August 2016 Incident Reference: 1606170 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Oils And Fuel: Gas And Fuel Oils	A12SW (W)	798	2	276751 188504
39	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 26th April 2019 Incident Reference: 1902676 Water Impact: Category 4 - No Impact Air Impact: Category 3 - Minor Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants And Effects: Other Atmospheric Pollutant Or Effect	A8SW (S)	817	2	277453 187754
40	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 15th September 2018 Incident Reference: 1805921 Water Impact: Category 4 - No Impact Air Impact: Category 3 - Minor Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants And Effects: Dust	A9SW (SE)	850	2	278113 187914
41	Water Abstractions Operator: Corus Uk Strip Products Licence Number: 21/58/61/0024 Permit Version: 100 Location: River Ffrwdwyllt Authority: Environment Agency, Welsh Region Abstraction: Metal: Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Licenced from 01-Jan to 31-Dec Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	486	3	277150 188865

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
41	Water Abstractions Operator: Tata Steel Uk Limited Licence Number: 21/58/61/0024 Permit Version: 101 Location: River Ffrwdwyllt Authority: Natural Resources Wales Abstraction: Metal: Evaporative Cooling Abstraction Type: Water may be abstracted from a single point 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: 12th November 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	489	2	277150 188870
41	Water Abstractions Operator: Tata Steel Uk Limited Licence Number: 21/58/61/0024 Permit Version: 101 Location: River Ffrwdwyllt Authority: Natural Resources Wales Abstraction: Metal: Process Water Abstraction Type: Water may be abstracted from a single point 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: 12th November 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	489	2	277150 188870
41	Water Abstractions Operator: Corus Uk Strip Products Licence Number: 21/58/61/0024 Permit Version: 100 Location: River Ffrwdwyllt Authority: Environment Agency, Welsh Region Abstraction: Metal: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: River Ffrwdwyllt Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12NE (NW)	489	3	277150 188870
41	Water Abstractions Operator: Tata Steel Uk Limited Licence Number: 21/58/61/0024 Permit Version: Not Supplied Location: Land At British Steel, Port Talbot Authority: Natural Resources Wales Abstraction: Metal: Evaporative Cooling Abstraction Type: Water may be abstracted from any point within an area 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: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	489	2	277150 188870

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
41	Water Abstractions Operator: Tata Steel Uk Limited Licence Number: 21/58/61/0024 Permit Version: Not Supplied Location: Land At British Steel, Port Talbot Authority: Natural Resources Wales Abstraction: Metal: Process Water Abstraction Type: Water may be abstracted from any point within an area 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: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	489	2	277150 188870
42	Water Abstractions Operator: Tata Steel Uk Limited Licence Number: 21/58/61/0012 Permit Version: 101 Location: Port Talbot Docks Authority: Natural Resources Wales Abstraction: Metal: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point 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: 12th November 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	655	2	276890 188590
42	Water Abstractions Operator: Tata Steel Uk Limited Licence Number: 21/58/61/0012 Permit Version: 101 Location: Port Talbot Docks Authority: Natural Resources Wales Abstraction: Metal: Process Water Abstraction Type: Water may be abstracted from a single point 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: 12th November 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	655	2	276890 188590
42	Water Abstractions Operator: Corus Uk Strip Products Licence Number: 21/58/61/0012 Permit Version: 100 Location: Port Talbot Docks Authority: Environment Agency, Welsh Region Abstraction: Metal: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Port Talbot Docks Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12SW (W)	655	3	276890 188590

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	Water Abstractions Operator: Corus Uk Strip Products Licence Number: 21/58/61/0012 Permit Version: 100 Location: Port Talbot Docks Authority: Environment Agency, Welsh Region Abstraction: Metal: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Licenced from 01-Jan to 31-Dec Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	655	3	276890 188585
42	Water Abstractions Operator: Tata Steel Uk Limited Licence Number: 21/58/61/0012 Permit Version: Not Supplied Location: Land At British Steel Authority: Natural Resources Wales Abstraction: Metal: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from any point within an area 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: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	655	2	276890 188590
42	Water Abstractions Operator: Tata Steel Uk Limited Licence Number: 21/58/61/0012 Permit Version: Not Supplied Location: Land At British Steel Authority: Natural Resources Wales Abstraction: Metal: Process Water Abstraction Type: Water may be abstracted from any point within an area 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: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	655	2	276890 188590
43	Water Abstractions Operator: Costain Limited Licence Number: Wa/058/0061/004 Permit Version: 1 Location: Port Talbot Dock At Margam Moors Authority: Environment Agency, Welsh Region Abstraction: Construction: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Margam Moors - Port Talbot Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 5th August 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	676	3	276967 188933

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
44	Water Abstractions Operator: Costain Limited Licence Number: Wa/058/0034/001 Permit Version: 1 Location: Arnallt Culvert-Brook Port Talbot Authority: Environment Agency, Welsh Region Abstraction: Construction: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Margam Moors, Port Talbot, West Glamorgan Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 5th August 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SE (S)	926	3	277820 187673
	Water Abstractions Operator: Civil And Marine Ltd Licence Number: 21/58/61/0042 Permit Version: 3 Location: Civil & Marine Slag Cement Ltd Quay At Port Talbot Docks Authority: Environment Agency, Welsh Region Abstraction: Other Industrial/Commercial/Public Services: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Civil & Marine Slag Cement Ltd Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th September 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NE (W)	1334	3	276240 188860
	Water Abstractions Operator: Civil And Marine Ltd Licence Number: 21/58/61/0042 Permit Version: 2 Location: Civil & Marine Slag Cement Ltd Quay At Port Talbot Docks Authority: Environment Agency, Welsh Region Abstraction: Other Industrial/Commercial/Public Services: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Civil & Marine Slag Cement Ltd Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th October 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NE (W)	1334	3	276240 188860
	Water Abstractions Operator: Civil & Marine Slag Cement Ltd Licence Number: 21/58/61/0042 Permit Version: 1 Location: Civil & Marine Slag Cement Ltd Quay At Port Talbot Docks Authority: Environment Agency, Welsh Region Abstraction: Other Industrial/Commercial/Public Services: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Civil & Marine Slag Cement Ltd Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NE (W)	1334	3	276240 188860

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Civil And Marine Ltd Licence Number: 21/58/61/0042 Permit Version: 5 Location: Port Talbot Docks Port Talbot Authority: Natural Resources Wales Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Port Talbot Docks, Port Talbot Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st May 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NE (W)	1348	2	276230 188880
	Water Abstractions Operator: Civil And Marine Ltd Licence Number: 21/58/61/0042 Permit Version: 4 Location: Port Talbot Docks Port Talbot Authority: Environment Agency, Welsh Region Abstraction: Other Industrial/Commercial/Public Services: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Port Talbot Docks, Port Talbot Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 21st May 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NE (W)	1348	3	276230 188880
	Water Abstractions Operator: Civil And Marine Ltd Licence Number: 21/58/61/0042 Permit Version: 4 Location: Port Talbot Docks Port Talbot Authority: Environment Agency, Welsh Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Port Talbot Docks, Port Talbot Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 21st May 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NE (W)	1348	3	276230 188880
	Water Abstractions Operator: Civil And Marine Ltd Licence Number: 21/58/61/0042 Permit Version: Not Supplied Location: Abstraction From Port Tallbot Dock Authority: Natural Resources Wales Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point 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: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NE (W)	1348	2	276230 188880

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Environment Agency Licence Number: Wa/058/0061/007 Permit Version: Not Supplied Location: Not Supplied Authority: Natural Resources Wales Abstraction: Impounding Abstraction Type: Not Supplied 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: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SW (NW)	1898	2	276054 189756
	Water Abstractions Operator: Corus Uk Strip Products Licence Number: 21/58/61/0009 Permit Version: 100 Location: River Afan To Port Talbot Docks Authority: Environment Agency, Welsh Region Abstraction: Metal: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Licenced from 01-Jan to 31-Dec Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SW (NW)	1915	3	275980 189685
	Water Abstractions Operator: Tata Steel Uk Limited Licence Number: 21/58/61/0009 Permit Version: 101 Location: River Afan To Port Talbot Docks Authority: Natural Resources Wales Abstraction: Metal: Evaporative Cooling Abstraction Type: Water may be abstracted from a single point 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: 12th November 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SW (NW)	1918	2	275980 189690
	Water Abstractions Operator: Tata Steel Uk Limited Licence Number: 21/58/61/0009 Permit Version: 101 Location: River Afan To Port Talbot Docks Authority: Natural Resources Wales Abstraction: Metal: Process Water Abstraction Type: Water may be abstracted from a single point 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: 12th November 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SW (NW)	1918	2	275980 189690

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Corus Uk Strip Products Licence Number: 21/58/61/0009 Permit Version: 100 Location: River Afan To Port Talbot Docks Authority: Environment Agency, Welsh Region Abstraction: Metal: Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: River Afan To Port Talbot Docks Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A21SW (NW)	1918	3	275980 189690
	Water Abstractions Operator: Tata Steel Uk Limited Licence Number: 21/58/61/0009 Permit Version: Not Supplied Location: Land At British Steel, Port Talbot Authority: Natural Resources Wales Abstraction: Metal: Evaporative Cooling Abstraction Type: Water may be abstracted from any point within an area 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: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SW (NW)	1918	2	275980 189690
	Water Abstractions Operator: Tata Steel Uk Limited Licence Number: 21/58/61/0009 Permit Version: Not Supplied Location: Land At British Steel, Port Talbot Authority: Natural Resources Wales Abstraction: Metal: Process Water Abstraction Type: Water may be abstracted from any point within an area 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: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SW (NW)	1918	2	275980 189690
45	Water Industry Act Referrals Name: Dwr Cymru Cyfyngedig Location: Afan Wwtw, Phoenix Wharf, Harbour Road, Port Talbot, Sa13 1ra Authority: Natural Resources Wales Permit Reference: BP0284701 Dated: 26th March 2021 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations Status: Application has been authorised and any conditions apply to the operator Positional Accuracy: Manually positioned within the geographical locality	A12NW (W)	845	2	276703 188654
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial: >90% Patchiness: >10m Superficial Thickness: High Superficial Recharge:	A13SE (SW)	0	2	277575 188594

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SE (SW)	0	2	277575 188594
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13SE (SW)	0	2	277575 188594
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (N)	0	2	277579 188610
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SE (SW)	0	2	277575 188594
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (NE)	9	2	277592 188634
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (NE)	11	2	277606 188620
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	12	2	277604 188624
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (NE)	12	2	277603 188628
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	14	2	277599 188636
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	16	2	277618 188613
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (E)	17	2	277618 188612
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	18	2	277620 188612
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (E)	19	2	277623 188599
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (E)	20	2	277623 188612
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	20	2	277625 188604
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	29	2	277530 188557
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (E)	34	2	277630 188581

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	34	2	277532 188549
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	35	2	277533 188545
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (E)	35	2	277635 188587
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	37	2	277535 188541
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	37	2	277511 188567
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	38	2	277513 188562
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	38	2	277518 188555
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	38	2	277519 188555
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	39	2	277536 188538
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	39	2	277538 188535
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	45	2	277541 188525
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (W)	47	2	277499 188570
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	48	2	277541 188521
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	49	2	277541 188520
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (W)	56	2	277490 188593
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (W)	57	2	277490 188597

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (W)	57	2	277489 188594
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (S)	58	2	277546 188509
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (S)	60	2	277552 188505
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (W)	60	2	277487 188600
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (W)	62	2	277487 188602
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (W)	64	2	277486 188605
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (S)	68	2	277552 188497
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (S)	68	2	277552 188497
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	73	2	277517 188658
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (NW)	74	2	277524 188666
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	75	2	277523 188666
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (S)	79	2	277560 188485
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (NW)	79	2	277522 188671
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (NW)	80	2	277506 188657
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (NW)	81	2	277498 188650
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	83	2	277502 188656

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (W)	83	2	277472 188621
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (W)	84	2	277472 188623
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (S)	85	2	277562 188479
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (S)	86	2	277562 188477
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (S)	93	2	277565 188471
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (S)	95	2	277566 188469
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (S)	100	2	277568 188464
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (NW)	101	2	277496 188676
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (S)	103	2	277569 188460
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	106	2	277483 188670
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	106	2	277659 188507
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	106	2	277659 188507
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	108	2	277658 188505
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (S)	110	2	277574 188454
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (S)	112	2	277574 188451
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	112	2	277658 188499

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (S)	115	2	277574 188449
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (S)	121	2	277578 188443
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	122	2	277580 188442
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	124	2	277606 188447
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	124	2	277454 188666
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (S)	124	2	277581 188441
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	126	2	277586 188439
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (S)	127	2	277588 188439
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (S)	133	2	277616 188441
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	133	2	277619 188442
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	140	2	277602 188428
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	140	2	277592 188426
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (S)	140	2	277595 188427
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	141	2	277596 188426
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (S)	141	2	277600 188427
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (S)	142	2	277616 188431

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	142	2	277614 188430
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (S)	142	2	277612 188430
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (S)	143	2	277591 188423
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	147	2	277591 188419
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (S)	148	2	277591 188418
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	154	2	277594 188413
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (S)	159	2	277597 188408
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	172	2	277601 188396
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (S)	176	2	277603 188392
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	180	2	277606 188389
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (S)	182	2	277606 188386
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	186	2	277607 188382
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (S)	197	2	277614 188373
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	200	2	277615 188370
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (S)	207	2	277618 188364
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	208	2	277729 188433

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	208	2	277729 188434
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	210	2	277619 188361
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	211	2	277729 188430
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (S)	216	2	277622 188355
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	219	2	277624 188353
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	221	2	277736 188422
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (S)	225	2	277627 188348
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	228	2	277628 188344
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (S)	231	2	277629 188342
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	233	2	277629 188339
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (S)	244	2	277636 188330
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	246	2	277743 188394
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	248	2	277743 188392
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	248	2	277637 188327
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (W)	3	2	277548 188590
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 693.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Arnallt Brook Catchment Name: Afan Primacy: 1	A13SW (SW)	32	5	277520 188561
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 381.6 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13SE (S)	220	5	277629 188353
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Arnallt Brook Catchment Name: Afan Primacy: 1	A13SE (S)	220	5	277629 188353
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 642.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Arnallt Brook Catchment Name: Afan Primacy: 1	A13SE (S)	235	5	277632 188338
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13NE (NE)	332	5	277856 188821
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13NE (NE)	396	5	277844 188929
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 116.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A14SW (E)	403	5	278005 188562
53	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 11.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13NE (NE)	417	5	277875 188928
54	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 3.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13NE (NE)	417	5	277875 188928

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 3.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13NE (NE)	417	5	277875 188928
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13NE (NE)	418	5	277885 188921
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13NE (NE)	420	5	277879 188929
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 339.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8NW (S)	431	5	277545 188133
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 301.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ffrwd Wylt Catchment Name: Afan Primacy: 1	A18SW (NW)	453	5	277258 188939
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ffrwd Wylt Catchment Name: Afan Primacy: 1	A18SW (NW)	455	5	277258 188939
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ffrwd Wylt Catchment Name: Afan Primacy: 1	A13NW (NW)	457	5	277246 188930
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 99.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ffrwd Wylt Catchment Name: Afan Primacy: 1	A12NE (NW)	459	5	277229 188916
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A14SW (SE)	492	5	278010 188325

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A14SW (E)	496	5	278084 188476
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A14SW (SE)	502	5	278022 188326
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ffrwd Wylt Catchment Name: Afan Primacy: 1	A12NE (NW)	506	5	277138 188882
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 313.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ffrwd Wylt Catchment Name: Afan Primacy: 1	A12NE (NW)	507	5	277137 188882
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 93.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A14SW (SE)	521	5	278047 188328
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ffrwd Wylt Catchment Name: Afan Primacy: 1	A18SW (N)	567	5	277435 189172
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 411.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ffrwd Wylt Catchment Name: Afan Primacy: 1	A18SW (N)	568	5	277435 189173
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 71.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A14SW (SE)	599	5	278129 188314
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18SW (N)	651	5	277491 189269

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 185.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A14SW (SE)	652	5	278198 188334
74	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 164.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12NW (W)	714	5	276834 188641
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 328.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A14SE (E)	720	5	278312 188471
76	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 352.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ffrwd Wylt Catchment Name: Afan Primacy: 1	A12NW (W)	770	5	276820 188842
77	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 566.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ffrwd Wylt Catchment Name: Afan Primacy: 1	A12NW (W)	784	5	276786 188778
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 188.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18NE (N)	822	5	277881 189394
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.8 Watercourse Level: Underground Permanent: True Watercourse Name: Arnallt Brook Catchment Name: Afan Primacy: 1	A8SE (S)	876	5	277907 187758
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 157.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18NE (N)	877	5	277767 189485
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 290.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Arnallt Brook Catchment Name: Afan Primacy: 1	A9SW (S)	891	5	277916 187745

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 297.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ffrwd Wylt Catchment Name: Afan Primacy: 1	A18NE (N)	907	5	277617 189532
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 373.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A19NW (NE)	924	5	278216 189304
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 233.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8SE (S)	929	5	277821 187670

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
85	Licensed Waste Management Facilities (Locations) Licence Number: YP3298FE Location: South Wales Jap Spares Ltd, Port Talbot, N P T, Neath Port Talbot, SA13 1LU Operator Name: South Wales Jap Spares Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: End of Life Vehicles Licence Status: Expired Issued: 21st November 2005 Last Modified: Not Supplied Expires: 2nd February 2010 Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	131	2	277470 188473
86	Licensed Waste Management Facilities (Locations) Licence Number: PAN-003931 Location: Tata Steel, Tata Steel, Abbey Works, Margam, Port Talbot, SA13 2NG Operator Name: Celtic Technologies Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Mobile Plant for remediation of land Licence Status: Effective Issued: 21st January 2019 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SE (W)	328	2	277236 188473
87	Licensed Waste Management Facilities (Locations) Licence Number: JB3932AF Location: Harbour Way Project, Port Talbot, West Glamorgan, Neath Port Talbot, SA13 1RE Operator Name: Costain Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Use of waste in construction <50,000 tps Licence Status: Surrendered Issued: 7th August 2012 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 3rd January 2014 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8NE (S)	588	2	277640 187980
88	Licensed Waste Management Facilities (Locations) Licence Number: JP3598FX Location: Asbestos Store, Port Talbot, SA13 1RF Operator Name: Avalon Insulation Services Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Effective Issued: 25th July 2006 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	894	2	276746 188983

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
88	Licensed Waste Management Facilities (Locations) Licence Number: JP3598FX Location: Asbestos Store, Port Talbot, N P T, Neath Port Talbot, SA13 1RF Operator Name: Avalon Insulation Services Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Special Waste Transfer Stations Licence Status: Effective Issued: 25th July 2006 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	894	2	276746 188983
89	Licensed Waste Management Facilities (Locations) Licence Number: 102486 Location: Llewellyn's Road, Llewellyn's Quay, Port Talbot, SA13 1RA Operator Name: Construction Recyclate Management Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: HCI Waste TS + treatment + asbestos Licence Status: Issued Issued: 7th June 2011 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	961	2	276680 189000
89	Licensed Waste Management Facilities (Locations) Licence Number: UP3296EX Location: Llewellyn's Quay Recycling Centre, Port Talbot, Glamorgan, Neath Port Talbot, SA13 1RA Operator Name: Construction Recyclate Management Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: HCI Waste TS + treatment + asbestos Licence Status: Expired Issued: 7th June 2011 Last Modified: Not Supplied Expires: 27th April 2021 Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	961	2	276680 189000
	Local Authority Landfill Coverage Name: Neath Port Talbot County Borough Council - Has supplied landfill data		0	4	277575 188594
90	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A13SW (SW)	61	-	277512 188530
91	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A14SW (E)	518	-	278120 188554
92	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A14SE (E)	716	-	278265 188326
93	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A14SE (E)	872	-	278475 188547
94	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A14SE (E)	909	-	278510 188523
95	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1951	A13SE (S)	227	-	277646 188352

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
96	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A13SW (SW)	230	-	277377 188425
97	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A13SW (SW)	247	-	277319 188482
98	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1951	A13SE (S)	255	-	277611 188313
99	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A13SW (SW)	292	-	277285 188448
100	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1951	A8NW (S)	322	-	277551 188242
101	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A8NE (S)	346	-	277706 188248
102	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1951	A8NW (S)	387	-	277552 188177
103	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A12NE (W)	434	-	277131 188709
104	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A8NE (SE)	488	-	277779 188125
105	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A12NE (NW)	494	-	277147 188875
106	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1885	A8NE (SE)	496	-	277786 188120
107	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A8NW (SW)	504	-	277354 188106
108	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1885	A8NE (S)	507	-	277720 188081
109	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A12NE (W)	521	-	277037 188697
110	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1951	A8NE (S)	539	-	277657 188032
111	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A12NE (W)	551	-	276994 188607
112	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A12NE (W)	562	-	277003 188732
113	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1951	A12SE (SW)	563	-	277058 188300
114	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A8NW (S)	610	-	277570 187954
115	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1885	A8NE (S)	632	-	277728 187953
116	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A12NE (NW)	695	-	276942 188928

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
117	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A9NW (SE)	732	-	277932 187930
118	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A8SE (S)	758	-	277730 187824
119	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1885	A9SW (SE)	777	-	277914 187870
120	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A9SW (SE)	812	-	277968 187859
121	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A12SW (W)	844	-	276763 188263
122	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A8SW (S)	946	-	277274 187663
123	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A7NW (SW)	985	-	276781 187961
124	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1885	A8SW (S)	992	-	277251 187622
125	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A9SW (SE)	996	-	278134 187747

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: South Wales Upper Coal Measures Formation	A13SE (SW)	0	1	277575 188594
	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: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (SW)	0	1	277575 188594
	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: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13NE (E)	7	1	277611 188605
	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	A13NE (E)	148	1	277745 188649
	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: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13NE (E)	206	1	277801 188663
	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 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A18SE (N)	374	1	277575 189000
	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	A18SW (N)	384	1	277500 189000

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 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SE (N)	384	1	277676 189000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (E)	396	1	278000 188594
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18SE (NE)	405	1	277744 189000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (E)	422	1	278000 188457
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A7NE (SW)	581	1	277110 188198
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (SE)	590	1	278139 188355

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 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A14SE (E)	765	1	278369 188594
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NE (N)	884	1	277689 189504
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17NE (NW)	894	1	277000 189298
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NE (N)	911	1	277845 189500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A9NE (SE)	920	1	278323 188029
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A7NW (W)	925	1	276685 188243

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 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18NE (N)	927	1	277896 189500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18NW (N)	940	1	277343 189533
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A19SE (NE)	980	1	278500 189000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 45 - 60 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19NW (NE)	984	1	278215 189385
126	BGS Recorded Mineral Sites Site Name: Taibach Quarry Location: Taibach, Port Talbot, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 16826 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rhondda Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	376	1	277930 188790
127	BGS Recorded Mineral Sites Site Name: Taibach Quarries Location: Taibach, Port Talbot, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 245985 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rhondda Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NW (E)	396	1	277995 188666

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
128	BGS Recorded Mineral Sites Site Name: Glanafon Location: Taibach, Port Talbot, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 160093 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rhondda Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A14SW (E)	507	1	278109 188552
129	BGS Recorded Mineral Sites Site Name: Glanafon Location: Taibach, Port Talbot, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 160094 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Llynfi Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14SW (E)	623	1	278203 188432
130	BGS Recorded Mineral Sites Site Name: Glanafon Location: Taibach, Port Talbot, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 160095 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Llynfi Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14SE (E)	704	1	278257 188339
131	BGS Recorded Mineral Sites Site Name: Tir Caradoc Location: Port Talbot, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156679 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Llynfi Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18NE (N)	736	1	277842 189317
132	BGS Recorded Mineral Sites Site Name: Cwm Y Geifr Location: Taibach, Port Talbot, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 160096 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rhondda Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A14SE (E)	905	1	278506 188525
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13SE (SW)	0	6	277575 188594

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SE (SW)	0	-	277575 188594
	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	A13SE (SW)	0	1	277575 188594
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	4	1	277609 188599
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	208	1	277801 188673
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	277575 188594
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	4	1	277609 188599
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	277575 188594
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	277575 188594
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	157	1	277508 188417
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	208	1	277801 188673
	Potential for Landslide Ground Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	216	1	277820 188619
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	277575 188594
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	4	1	277609 188599
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	37	1	277521 188554
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	208	1	277801 188673
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	277575 188594
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	4	1	277609 188599
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	55	1	277660 188606
	Radon Potential - Radon Affected Areas Affected Area: 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	A13SE (SW)	0	1	277575 188594

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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	A13SE (SW)	0	1	277575 188594

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
133	Contemporary Trade Directory Entries Name: Abbey Auto Dismantlers Location: 2, Penrhyn Street, Port Talbot, West Glamorgan, SA13 1LU Classification: Car Breakers & Dismantlers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	23	-	277545 188614
134	Contemporary Trade Directory Entries Name: J D Autos Location: Somerset La, Port Talbot, West Glamorgan, SA13 1TY Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13NE (N)	91	-	277595 188717
135	Contemporary Trade Directory Entries Name: T B Grace Location: 11, Woodfield Street, Port Talbot, West Glamorgan, SA13 1LT Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	101	-	277474 188653
136	Contemporary Trade Directory Entries Name: J C Motorcycles Location: 52, Margam Road, Port Talbot, West Glamorgan, SA13 2BW Classification: Cycle Accessories, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	253	-	277751 188393
137	Contemporary Trade Directory Entries Name: Margam Motors Location: Prince Street, Port Talbot, West Glamorgan, SA13 1NB Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	279	-	277707 188324
138	Contemporary Trade Directory Entries Name: A B C Tyre Service Location: 21, Commercial Road, Port Talbot, SA13 1LN Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (NW)	339	-	277405 188911
138	Contemporary Trade Directory Entries Name: Ron Evans Pies Location: 17, Commercial Road, PORT TALBOT, West Glamorgan, SA13 1LN Classification: Food Products - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (NW)	355	-	277394 188923
139	Contemporary Trade Directory Entries Name: Sparks Fire Protection Location: Cornubia, Groeswen Lane, Port Talbot, West Glamorgan, SA13 2LA Classification: Firefighting Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	440	-	278004 188420
140	Contemporary Trade Directory Entries Name: Groeswen Hospital Location: Margam Road, Port Talbot, West Glamorgan, SA13 2LB Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	577	-	278031 188215
140	Contemporary Trade Directory Entries Name: Groeswen Hospital Location: Margam Road, Port Talbot, West Glamorgan, SA13 2LB Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	577	-	278031 188215
141	Contemporary Trade Directory Entries Name: C R H Tarmac Location: Abbey Works, Margam, Port Talbot, West Glamorgan, SA13 2NG Classification: Asphalt & Coated Macadam Laying Contractors Status: Active Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	700	-	277117 188026
142	Contemporary Trade Directory Entries Name: M R M Automotive Ltd Location: Cwrt-Ucha Terrace, Port Talbot, West Glamorgan, SA13 1LD Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	711	-	277088 189132

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
143	Contemporary Trade Directory Entries Name: Motor Mender Location: 9, Cwrt-Ucha Terrace, Port Talbot, West Glamorgan, SA13 1LD Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	722	-	277109 189165
143	Contemporary Trade Directory Entries Name: M R M Automotive Location: Cwrt-Ucha Terrace, Port Talbot, SA13 1LD Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	727	-	277082 189147
143	Contemporary Trade Directory Entries Name: L & J Car Repairs Location: Cwrt-Ucha Ter, Port Talbot, West Glamorgan, SA13 1LD Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	745	-	277092 189181
143	Contemporary Trade Directory Entries Name: A T Auto Location: Cwrt-Ucha Terr, Port Talbot, West Glamorgan, SA13 1LD Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	749	-	277090 189185
144	Contemporary Trade Directory Entries Name: Dee-Creased Ironing Location: 11, Rice Street, Port Talbot, SA13 1SN Classification: Ironing & Home Laundry Services Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	750	-	277181 189255
145	Contemporary Trade Directory Entries Name: Margam Windows & Doors Ltd Location: Cwrt-Ucha Terr, Port Talbot, West Glamorgan, SA13 1LD Classification: PVC-U Products - Manufacturers & Suppliers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	756	-	277086 189190
145	Contemporary Trade Directory Entries Name: Whirlpool Launderette Ltd Location: 96, Talbot Road, Port Talbot, West Glamorgan, SA13 1LB Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	794	-	277085 189240
145	Contemporary Trade Directory Entries Name: Whirlpool Launderette Ltd Location: 96, Talbot Road, Port Talbot, West Glamorgan, SA13 1LB Classification: Laundries & Launderettes Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	794	-	277085 189240
146	Contemporary Trade Directory Entries Name: J E S Group Ltd Location: Phoenix Wharf, The Docks, Port Talbot, West Glamorgan, SA13 1RA Classification: Mechanical Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A12NW (W)	773	-	276773 188616
147	Contemporary Trade Directory Entries Name: Phil Reed Cleaning Location: 14, Gower Street, Port Talbot, West Glamorgan, SA13 1SL Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A17NE (NW)	836	-	277124 189322
148	Contemporary Trade Directory Entries Name: Steel Solutions Wales Location: 7, Mayfield Street, Port Talbot, West Glamorgan, SA13 1EY Classification: Metal Products - Fabricated Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	889	-	277340 189480
149	Contemporary Trade Directory Entries Name: Abbey Industrial Solutions Ltd Location: 55, Geifr Road, Margam, Port Talbot, West Glamorgan, SA13 2BE Classification: Air Compressors Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	902	-	278234 187958

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
150	Contemporary Trade Directory Entries Name: Mitsui Babcock Energy Ltd Location: Llewellyns Quay, Port Talbot, West Glamorgan, SA13 1RF Classification: Mechanical Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	903	-	276755 189020
150	Contemporary Trade Directory Entries Name: J M Fabweld Ltd Location: Llewellyns Quay, Port Talbot, West Glamorgan, SA13 1RF Classification: Mechanical Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	903	-	276755 189020
150	Contemporary Trade Directory Entries Name: Pump Supplies Location: Llewellyns Quay, Port Talbot, West Glamorgan, SA13 1RF Classification: Pumps - Sales, Servicing & Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	903	-	276755 189020
150	Contemporary Trade Directory Entries Name: Pamarch (1997) Ltd Location: Llewellyns Quay, Port Talbot, West Glamorgan, SA13 1RF Classification: Coating Specialists Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	903	-	276755 189020
150	Contemporary Trade Directory Entries Name: Pump Supplies Location: Llewellyns Quay, Port Talbot, West Glamorgan, SA13 1RF Classification: Pumps - Sales, Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	903	-	276755 189020
150	Contemporary Trade Directory Entries Name: Lets Personalise It Location: Kenworth Building Unit 2, Llewellyns Quay, Port Talbot, West Glamorgan, SA13 1RF Classification: T-Shirts Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	920	-	276725 188998
151	Contemporary Trade Directory Entries Name: Celtic Engineering Services Ltd Location: Phoenix Wharf, The Docks, Port Talbot, West Glamorgan, SA13 1RA Classification: Engineering Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	917	-	276629 188578
152	Contemporary Trade Directory Entries Name: Jetting Services Location: 188, Margam Road, Port Talbot, West Glamorgan, SA13 2BU Classification: Steam Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	933	-	278187 187870
153	Contemporary Trade Directory Entries Name: Cockburn South West Ltd Location: Kenworth Buildings, Llewellyns Quay, Port Talbot, West Glamorgan, SA13 1RF Classification: Electrical Engineers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A17SW (NW)	955	-	276824 189208
154	Contemporary Trade Directory Entries Name: Drake Services Location: 13, Devonshire Place, Port Talbot, West Glamorgan, SA13 1SG Classification: Rubbish Clearance Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	966	-	277033 189416
155	Contemporary Trade Directory Entries Name: Talbot Hydraulics Location: Unit 7, Llewellyns Quay, Port Talbot, West Glamorgan, SA13 1RF Classification: Hydraulic Equipment & Accessories - Sales & Service Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	974	-	276731 189116

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
155	Contemporary Trade Directory Entries Name: Quay Corporate Ltd Location: Unit 3, Llewellyns Quay, Port Talbot, West Glamorgan, SA13 1RF Classification: Clothing & Fabrics - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	974	-	276731 189116
155	Contemporary Trade Directory Entries Name: Turner Fluidpower Location: Unit 3, Llewellyns Quay, Port Talbot, West Glamorgan, SA13 1RF Classification: Hydraulic Equipment & Accessories - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	974	-	276731 189116
155	Contemporary Trade Directory Entries Name: Corporate Manufacturing Wales Ltd Location: Unit 3, Llewellyns Quay, Port Talbot, West Glamorgan, SA13 1RF Classification: Clothing & Fabrics - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	974	-	276731 189116
155	Contemporary Trade Directory Entries Name: K & J Pipeline Supplies Ltd Location: UNIT 7, LLEWELLYNS QUAY, PORT TALBOT, SA13 1RF Classification: Engineering Materials Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	982	-	276726 189125
156	Contemporary Trade Directory Entries Name: Runtech Hauliers Location: LLEWELLYNS QUAY, LLEWELLYNS ROAD, PORT TALBOT, SA13 1RF Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	975	-	276691 189052
157	Contemporary Trade Directory Entries Name: Stallcourt Garage Location: Stallcourt Garage, Margam Road, Port Talbot, West Glamorgan, SA13 2BU Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	983	-	278206 187819
158	Fuel Station Entries Name: Performance Centre Location: Talbot Road , , Port Talbot, Neath Port Talbot, SA13 1HN Brand: OBSOLETE Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Approximate location provided by supplier	A18SW (NW)	467	-	277320 189008
159	Points of Interest - Commercial Services Name: T B Grace Location: 11 Woodfield Street, Port Talbot, SA13 1LT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (NW)	101	7	277474 188653
159	Points of Interest - Commercial Services Name: T B Grace Location: 11 Woodfield Street, Port Talbot, SA13 1LT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (NW)	101	7	277474 188653
160	Points of Interest - Commercial Services Name: Scrap Yard Location: Not Supplied Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	122	7	277491 188467
161	Points of Interest - Commercial Services Name: Margam Motors Location: Prince Street, Port Talbot, SA13 1NB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (SE)	279	7	277707 188324
161	Points of Interest - Commercial Services Name: Prince Street Garage Location: Prince Street, Margam, SA13 1NB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (SE)	279	7	277707 188324

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
162	Points of Interest - Commercial Services Name: Taibach Autos Location: 21 Commercial Road, Port Talbot, SA13 1LN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (NW)	339	7	277405 188911
163	Points of Interest - Commercial Services Name: M R M Automotive Ltd Location: Cwrt-Ucha Terrace, Port Talbot, SA13 1LD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SE (NW)	711	7	277088 189132
163	Points of Interest - Commercial Services Name: Motor Mender Location: 9 Cwrt-Ucha Terrace, Port Talbot, SA13 1LD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SE (NW)	722	7	277109 189165
163	Points of Interest - Commercial Services Name: Motor Mender Location: 9 Cwrt-Ucha Terrace, Port Talbot, SA13 1LD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SE (NW)	722	7	277109 189165
163	Points of Interest - Commercial Services Name: M R M Automotive Location: Welsh Transport Museum, Port Talbot, SA13 1LD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SE (NW)	727	7	277082 189147
163	Points of Interest - Commercial Services Name: M R M Location: Cwrt-Ucha Terrace, Port Talbot, SA13 1LD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SE (NW)	767	7	277053 189175
164	Points of Interest - Commercial Services Name: Planguard Location: Llewellyns Quay, Port Talbot, SA13 1RF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	965	7	276727 189094
164	Points of Interest - Commercial Services Name: Runtech Hauliers Location: Unit 5 Llewellyns Quay, Llewellyns Road, Port Talbot, SA13 1RF Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A17SW (NW)	976	7	276690 189052
165	Points of Interest - Education and Health Name: Groeswen Hospital Location: Margam Road, Port Talbot, SA13 2LB Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A9NW (SE)	577	7	278031 188215
165	Points of Interest - Education and Health Name: Groeswen Hospital Location: Margam Road, Port Talbot, SA13 2LB Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A9NW (SE)	577	7	278031 188215
166	Points of Interest - Manufacturing and Production Name: Tanks Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SW (S)	261	7	277481 188316
166	Points of Interest - Manufacturing and Production Name: Tanks Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SW (S)	299	7	277454 188286

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
167	Points of Interest - Manufacturing and Production Name: Works Location: SA13 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	360	7	277250 188376
167	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	A13SW (SW)	361	7	277250 188375
168	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	373	7	277811 188925
169	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	377	7	277206 188746
170	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	A12NE (W)	396	7	277154 188645
170	Points of Interest - Manufacturing and Production Name: Works Location: SA13 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	396	7	277154 188645
171	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A12SE (SW)	442	7	277137 188412
171	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A12SE (W)	450	7	277128 188413
171	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A12SE (SW)	454	7	277132 188393
171	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A12SE (SW)	458	7	277131 188386
171	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A12SE (SW)	465	7	277127 188379
172	Points of Interest - Manufacturing and Production Name: Tanks Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	472	7	277105 188413

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
172	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A12SE (W)	475	7	277106 188401
172	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A12SE (SW)	479	7	277105 188394
172	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A12SE (SW)	482	7	277104 188387
172	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	535	7	277033 188429
173	Points of Interest - Manufacturing and Production Name: Works Location: SA13 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	565	7	276987 188673
173	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	A12NE (W)	567	7	276986 188674
174	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	651	7	277269 187984
174	Points of Interest - Manufacturing and Production Name: Tanks Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	668	7	277200 188004
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	A12SW (W)	654	7	276892 188546
175	Points of Interest - Manufacturing and Production Name: Works Location: SA13 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	654	7	276892 188547
176	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	725	7	277471 187845
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	A17SE (NW)	729	7	277076 189145

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
177	Points of Interest - Manufacturing and Production Name: Works Location: SA13 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	729	7	277076 189144
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	A17SE (NW)	761	7	277057 189170
178	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A7SE (SW)	794	7	277146 187889
178	Points of Interest - Manufacturing and Production Name: Tanks Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7SE (SW)	808	7	277119 187890
178	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A7SE (SW)	820	7	277129 187869
179	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	870	7	276807 189042
180	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A12NW (W)	879	7	276667 188621
180	Points of Interest - Manufacturing and Production Name: Tanks Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	883	7	276664 188632
180	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	885	7	276663 188650
180	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A12NW (W)	888	7	276659 188642
180	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A12NW (W)	895	7	276651 188629
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	A12SW (W)	903	7	276642 188584

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
180	Points of Interest - Manufacturing and Production Name: Works Location: SA13 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	906	7	276639 188593
181	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	A8SW (S)	891	7	277545 187673
181	Points of Interest - Manufacturing and Production Name: Works Location: SA13 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	892	7	277538 187672
182	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	A8SW (S)	928	7	277322 187668
182	Points of Interest - Manufacturing and Production Name: Works Location: SA13 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	928	7	277322 187668
183	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9SW (S)	934	7	277927 187703
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	A7NW (W)	955	7	276648 188254
184	Points of Interest - Manufacturing and Production Name: Works Location: SA13 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7NW (W)	960	7	276643 188253
185	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	A12NW (W)	980	7	276577 188732
186	Points of Interest - Public Infrastructure Name: Taibach Police Station Location: 66 Commercial Road, Port Talbot, SA13 1LG Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A13NW (NW)	192	7	277476 188782
186	Points of Interest - Public Infrastructure Name: Port Talbot Fire Station Location: Rear of Commercial Road, Port Talbot, SA13 1LG Category: Central and Local Government Class Code: Fire Brigade Stations Positional Accuracy: Positioned to address or location	A13NW (NW)	224	7	277403 188757
187	Points of Interest - Public Infrastructure Name: Weir Location: SA13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12NE (NW)	504	7	277145 188888

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
188	Points of Interest - Public Infrastructure Name: Weir Location: SA13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	755	7	277539 189379
188	Points of Interest - Public Infrastructure Name: Weir Location: SA13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	756	7	277541 189380
189	Points of Interest - Public Infrastructure Name: Outfall Location: SA13 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	811	7	276877 189041
189	Points of Interest - Public Infrastructure Name: Outfall Location: SA13 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	814	7	276873 189042
190	Points of Interest - Public Infrastructure Name: Drake Clearance Services Location: 13 Devonshire Place, Port Talbot, SA13 1SG Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A17NE (NW)	966	7	277033 189416
191	Points of Interest - Recreational and Environmental Name: Play Area Location: SA13 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13SE (E)	210	7	277798 188522
192	Points of Interest - Recreational and Environmental Name: Playground Location: Park Street, SA13 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A18SW (N)	597	7	277381 189186
192	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	605	7	277391 189198
193	Points of Interest - Recreational and Environmental Name: Playground Location: (Tal-Y-Wern), SA13 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A8NE (SE)	643	7	277871 187998
193	Points of Interest - Recreational and Environmental Name: Playground Location: SA13 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8NE (SE)	645	7	277867 187994
193	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8NE (SE)	647	7	277874 187995

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
194	Ancient Woodland Name: Not Supplied Reference: 13931 Area(m ²): 6532.3 Type: Ancient and Semi-Natural Woodland	A13SE (E)	289	2	277864 188477

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Bridgend County Borough Council - Environmental Health Department Natural Resources Wales Neath Port Talbot County Borough Council - Environmental Health Department	January 2020 June 2020 October 2017	Annual Rolling Update Annually Annual Rolling Update
Discharge Consents Environment Agency - Welsh Region Natural Resources Wales	August 2014 May 2022	Quarterly Quarterly
Enforcement and Prohibition Notices Environment Agency - Welsh Region	March 2013	
Integrated Pollution Controls Environment Agency - Welsh Region	January 2009	
Integrated Pollution Prevention And Control Natural Resources Wales Environment Agency - Welsh Region	April 2022 January 2021	Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Bridgend County Borough Council - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	July 2015 March 2014	Variable Variable
Local Authority Pollution Prevention and Controls Bridgend County Borough Council - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	July 2015 March 2014	Not Applicable Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Bridgend County Borough Council - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	July 2015 March 2015	Variable Variable
Nearest Surface Water Feature Ordnance Survey	March 2022	
Pollution Incidents to Controlled Waters Environment Agency - Welsh Region	December 1998	
Prosecutions Relating to Authorised Processes Environment Agency - Welsh Region Natural Resources Wales	July 2015 July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013	
Registered Radioactive Substances Natural Resources Wales Environment Agency - Welsh Region	January 2015 June 2016	As notified
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register Environment Agency Wales - South West Area Natural Resources Wales	January 2021 May 2022	Quarterly Quarterly
Water Abstractions Environment Agency - Welsh Region Natural Resources Wales	April 2022 May 2022	Quarterly Quarterly
Water Industry Act Referrals Natural Resources Wales Environment Agency - Welsh Region	May 2022 October 2017	Quarterly
Groundwater Vulnerability Map Natural Resources Wales	June 2018	As notified

Agency & Hydrological	Version	Update Cycle
Bedrock Aquifer Designations Natural Resources Wales	January 2018	Annually
Superficial Aquifer Designations Natural Resources Wales	January 2018	Annually
Source Protection Zones Natural Resources Wales	July 2017	Annual Rolling Update
Extreme Flooding from Rivers or Sea without Defences Natural Resources Wales	September 2020	
Flooding from Rivers or Sea without Defences Natural Resources Wales	September 2020	
Areas Benefiting from Flood Defences Natural Resources Wales	November 2019	Quarterly
Flood Water Storage Areas Natural Resources Wales	August 2019	Quarterly
Flood Defences Natural Resources Wales	November 2019	Quarterly
OS Water Network Lines Ordnance Survey	April 2022	Quarterly
Surface Water 1 in 30 year Flood Extent Natural Resources Wales	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Natural Resources Wales	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Natural Resources Wales	May 2018	Annually
Surface Water Suitability Natural Resources Wales	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Natural Resources Wales	July 2019	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Welsh Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency Wales - South West Area Natural Resources Wales	October 2021 October 2021	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Natural Resources Wales Environment Agency Wales - South West Area	April 2022 July 2021	Quarterly Quarterly
Local Authority Landfill Coverage Bridgend County Borough Council Neath Port Talbot County Borough Council - Environmental Health Department	February 2003 February 2003	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Bridgend County Borough Council Neath Port Talbot County Borough Council - Environmental Health Department	October 2018 October 2018	
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	
Registered Landfill Sites Environment Agency Wales - South West Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency Wales - South West Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency Wales - South West Area	June 2015	
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	January 2022	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Bridgend County Borough Council - Planning Department Neath Port Talbot County Borough Council - Planning Department	February 2016 October 2015	Variable Variable
Planning Hazardous Substance Consents Bridgend County Borough Council - Planning Department Neath Port Talbot County Borough Council - Planning Department	February 2016 October 2015	Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2022	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	April 2022	Quarterly
Fuel Station Entries Catalist Ltd - Experian	March 2022	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services PointX	June 2022	Quarterly
Points of Interest - Education and Health PointX	June 2022	Quarterly
Points of Interest - Manufacturing and Production PointX	June 2022	Quarterly
Points of Interest - Public Infrastructure PointX	June 2022	Quarterly
Points of Interest - Recreational and Environmental PointX	June 2022	Quarterly
Underground Electrical Cables National Grid	May 2021	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural Resources Wales	September 2018	Bi-Annually
Areas of Adopted Green Belt Bridgend County Borough Council Neath Port Talbot County Borough Council - Planning Services	October 2020 October 2020	Quarterly Quarterly
Areas of Unadopted Green Belt Bridgend County Borough Council Neath Port Talbot County Borough Council - Planning Services	October 2020 October 2020	Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural Resources Wales	June 2019	Bi-Annually
Environmentally Sensitive Areas The National Assembly for Wales - GI Services (Department of Planning & Countryside)	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Bridgend County Borough Council Neath Port Talbot County Borough Council	August 2018 August 2018	Bi-Annually Bi-Annually
Marine Nature Reserves Natural Resources Wales	August 2018	Bi-Annually
National Nature Reserves Natural Resources Wales	February 2022	Bi-Annually
National Parks Natural Resources Wales	February 2018	Annually
Nitrate Vulnerable Zones The National Assembly for Wales - GI Services (Department of Planning & Countryside) Natural Resources Wales	April 2016 July 2019	Bi-Annually
Ramsar Sites Natural Resources Wales	July 2019	Bi-Annually
Sites of Special Scientific Interest Natural Resources Wales	March 2020	Bi-Annually
Special Areas of Conservation Natural Resources Wales	August 2020	Bi-Annually
Special Protection Areas Natural Resources Wales	August 2018	Bi-Annually

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	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science 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	Neath Port Talbot County Borough Council - Environmental Health Department Room 322, Neath Civic Centre, Neath, West Glamorgan, SA11 3QZ	Telephone: 01639 763333 Fax: 01693 763444 Website: www.neath-porttalbot.gov.uk
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
7	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 833891 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.