

**GEOTECHNICAL &
GEO- ENVIRONMENTAL REPORT**
Park Street, Glyncorrwg

Prepared for:
Pobl Housing Association

June 2020

Job No: 14850/v3

REPORT TITLE : **Geotechnical and Geo-environmental**
Report: Park Street, Glyncorrwg

REPORT STATUS : **V3**

JOB NUMBER : **14850**

DATE : **June 2020**

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Executive Summary

Pobl Housing Association are proposing a residential development off Park Street, Glyncorrwg.

The site currently comprises open land following the demolition of the two blocks of flats.

The site is underlain by rocks of the Upper Coal Measures. The Coal Authority Report records that coal may lie at shallow depth beneath the site. The Brithdir Coal Seam is conjectured to outcrop in the vicinity of the site although this seam is described as 'thin' and the memoir records it as up to 12 in thick in the region. The next seam in the sequence (No.1 Rhondda) lies at significant depth. We do not, therefore, expect a risk from shallow mining.

A site investigation comprising three machine excavated trial pits and two hand dug trial pits was undertaken. Made Ground was encountered over generally soft (wet) natural deposits. TP01 was scraping (possible dense gravels) at 2.90m and dense gravel was encountered in WS01 at 2.80m bgl. A supplementary investigation was performed in May 2020, comprising four trial pits beneath the former footprint.

Soil Chemical Testing did not detect determinants in excess of the Generic Assessment Criteria for a Residential Setting.

An Envirocheck Report for the site revealed that No Radon Protection is required for new development at the site.

Given the deposits of made ground and shallow superficial deposits are unsuitable for founding, we would recommend piled foundations extending to the dense gravels, which were encountered at c. 3.0m bgl. Piling is likely to extend into the gravels until a satisfactory set is achieved. Piling is recommended as it negates the need to control water which would be an issue in excavations.

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SECTION 1 Introduction and Proposed Development

Pobl Housing Association are proposing redevelopment of the site of Nos. 1 – 6 Park Street, Glyncoirwg.

Terra Firma (Wales) Limited has been commissioned by Encon, on behalf of Pobl Housing Association, to undertake a geo-environmental assessment and geotechnical investigation of the site.

The main objectives of the geo-environmental assessment programme were to:

- Identify the potential environmental liabilities at the site associated with any soil contamination from past site uses.
- Provide a summary of the environmental conditions at the site, together with any necessary remediation works to render the site fit for its intended use.
- Provide recommendations with regard to radon.

The main objectives of the geotechnical site investigation were to:

- Determine the type, strength and bearing characteristics of the shallow superficial deposits.
- Provide recommendations for a suitable and economic foundation/floor slab solution for the development.
- Provide recommendations with regard to any other geotechnical aspects pertaining to the development.

In order to achieve the above objectives, Terra Firma (Wales) Limited carried out an assessment programme including a review of existing data, followed by a field investigation to determine the prevailing ground conditions and also to collect and analyse soil samples from selected locations around the site.

1.1 Limitations and Exceptions of Investigation

The geo-environmental and geotechnical investigation was conducted, and this report has been prepared, for the sole internal reliance of Pobl Housing Association and their design and construction team. This report shall not be relied upon or transferred to any other parties without the express written authorisation of Terra Firma (Wales) Limited. If an unauthorised third party comes into possession of this report they rely on it at their peril and the authors owe them no duty of care and skill.

The report represents the findings and opinions of experienced geo-environmental and geo-technical consultants. Terra Firma (Wales) Limited does not provide legal advice and the advice of lawyers may also be required.

The subsurface geological profiles, any contamination and other plots are generalised by necessity and have been based on the information found at the locations of the exploratory holes and depths sampled and tested.

SECTION 2 Review of Existing Data

2.1 Physical Setting, Current Use and Site Conditions

The site locates on the eastern side of Park Street, Glyncorrwg, Neath and Port Talbot, centred on an approximate National Grid Reference of 287530, 198870. It occupies an approximate plan area of 0.20 hectares. The location of the site is presented in **Figure 2.1**.

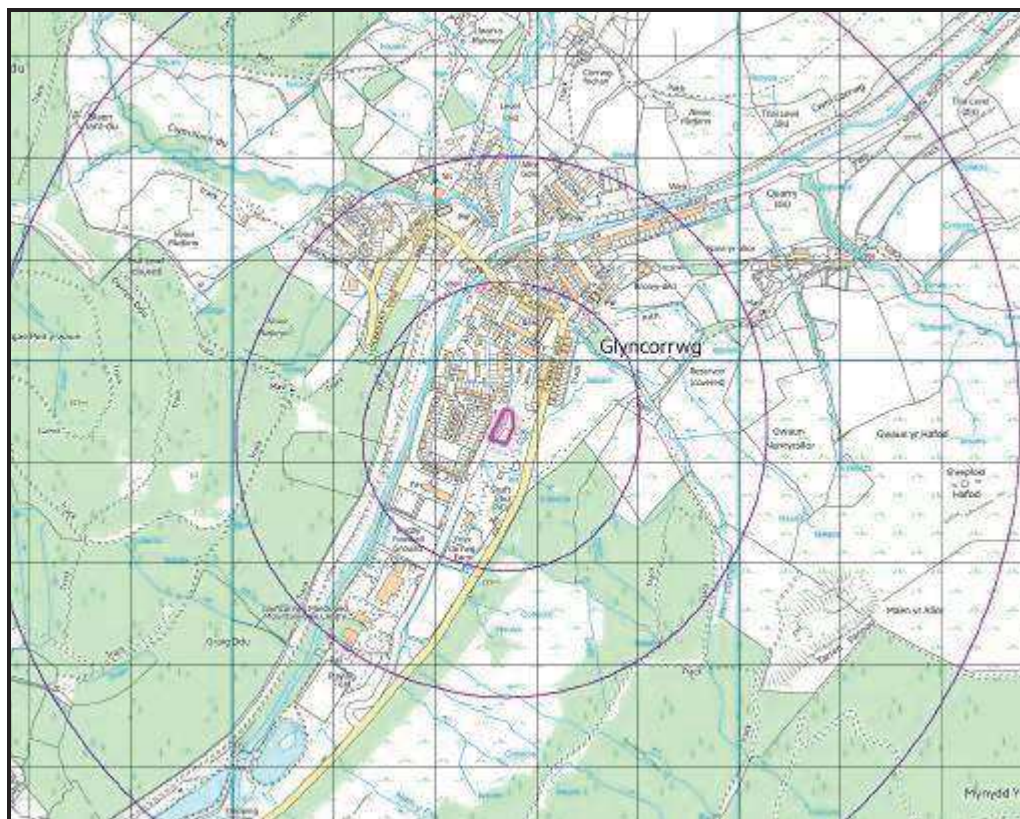


Figure 2.1: Site Location (NTS)

The site was visited on 2nd October 2018. The site was seen to comprise two blocks of vacant flats and the surrounding open space. The site sits above Park Street and the site rises towards the east. A stream was seen to run along the southern side of the site before entering a culvert.

Suspected invasive plant species were noted to the rear of the property in 2019 and the rear area also appeared wet.

During a visit in May 2020 the building had been demolished. Surface water was still apparent despite a prolonged period of dry weather.

2.2 Site History

The history of the site has been traced using historical Ordnance Survey maps obtained from Landmark Information Group. The maps are presented in **Annex A**. A summary of the sites history is presented in **Table 2.1**;

Table 2.1. Summary of Historical Plans		
Dates	On-Site	Off-Site
1875/1882/1884	The site comprises undeveloped land	The Afon Corrwg locates 120m west of the site. Ynys Corrwg Farm locates 180m south of the site. The village of Glyncorrwg locates 210m north of the site. Welsh Main Colliery locates 450m north of the site. A railway line locates 190m west of the site.
1899/1900	As previously	Some urban expansion has occurred in Glyncorrwg.
1918/1919	The site remains undeveloped.	Ynyscorrwg Colliery locates 70m south of the site. A spoil tip is indicated 70m southwest of the site. A quarry locates 130m southeast. Urban expansion has continued at Glyncorrwg
1921/1938	The site remains undeveloped.	Ynyscorrwg Colliery in no longer indicated.
1953	Site remains undeveloped	Further urban expansion has occurred at Glyncorrwg. The tip has extended north to lie 60m west of the site.
1962/1964/1965	Site remains undeveloped	Urban development has occurred immediately west of the site. The site appears to have been re-profiled.
1979/1981	Housing has been developed on the study site	An electricity sub-station locates immediately north of the site. An unspecified factory locates 330m southwest of the site. The railway has been dismantled.
1982/1984/1993	As previously	As previously
2003/2009/2018	As previously	The mountain bike Centre is indicated 450m south-southwest of the site.
Note: Distances are approximate		

2.3 Geological

2.3.1 Geology

The 1:50,000-scale geological map (British Geological Survey Sheet 248, (1975)) shows the site to be underlain by rocks of the Upper Coal Measures. The site is shown to locate near the conjectured outcrop of the Brithdir Coal Seam. The Geological Memoir (The Geology of the South Wales Coal Field, Part IV, 1964) records the seam as unlikely to exceed 12 inches between Duffryn and Blaengwynfi (i.e. Glyncorwg area).

A north-northwest to south-southeast trending fault is shown to locate to the west of the site with a down-throw on its western side.

The bedrock is shown to have a superficial cover of alluvium in the vicinity of the site.

Given the history of the site, made ground may be present at the site.

2.3.2 Coal Mining

The Coal Authority Report record that the site locates in an area which could be affected by working within one seam located between 220m and 300m below ground level, last worked in 1925. The report states that any movement associated with these workings should, by now, have ceased.

In addition, the report states that they believe that there is coal at, or close to, the surface which may have been worked historically. The 1:50,000 Scale Geology Plan (Sheet 248) places the site very close to the conjectured outcrop of the Brithdir Coal Seam.

It is difficult at the scale of the map to ascertain whether the site is stratigraphically above or below the outcrop (there is no 1:10,560 Scale Map for this area). A worst case scenario would assume that the Brithdir Seam sits beneath the site.

The Geological Memoir (Geology of the South Wales Coal Field, Part IV, Pontypridd and Maesteg, 3rd Ed.) states that 'Between Duffryn and Blaengwynfi 'it' (i.e. the Brithdir Coal Seam) seems unlikely to exceed 12 inches'.

1:10,560 Geology Sheet G17SW, which extends to within a few meters of the site, records the Brithdir Seam as 'Thin'.

The next Coal Seam in the geological sequence, the No.1 Rhondda, will lie at significant depth. Historical maps show the shaft of Ynyscorwg Colliery to locate approximately 113m south of the site. The shaft records for Ynyscorwg Pit records the No. 1 Rhondda Seam at a depth of 379 ft bgl (116m). The regional northerly dip will place this seam even deeper beneath the study site.

We would therefore conclude that the site is not at risk of subsidence from shallow mine workings.

The Coal Authority Report is presented in **Annex B**.

2.3.3 Radon

The Envirocheck Report states that No Radon protective measures are necessary in the construction of new dwellings or extensions

A copy of the Envirocheck Report is included in **Annex A**.

2.4 Environmental Setting

2.4.1 Hydrogeology and Hydrology

The Envirocheck Report records that the bedrock and superficial deposits are beneath the site are classified as a Secondary A Aquifers.

The nearest Surface Water Feature recorded by the Envirocheck Report locates 5m northeast of the site. A stream was noted immediately south of the site during the visit.

2.4.2 Flooding

The Envirocheck agency and Hydrological Map shows the study site to locate immediately east of an area affected by Zone 2 and Zone 3 flooding.

The Surface Water Flood Risk Map shows the site to contain areas of low (1000 year return) risk.

A site specific assessment is recommended to ascertain necessary development levels

2.4.3 Waste

The Envirocheck Report does not record any historical landfill sites within the site or within 250m of the site. However, the Envirocheck report records an area of potentially in-filled land to the west of the site. This may comprise re-profiled coal tips shown on the early editions.

2.4.4 Pollution

The Envirocheck Report does not record any Local Authority Pollution Prevention and Control within 250m of the site.

SECTION 3 Preliminary Qualitative Human Health and Environmental Risk Assessment

3.1 General

The contaminated land regime is set out in Part IIA of the Environmental Protection Act (EPA) 1990 and was introduced on the 1st April 2000 in England and 1st July 2001 in Wales. A similar regime was introduced in Scotland on 14th July 2000. Part IIA was introduced to achieve two aims:

- (1) The identification of contaminated land
- (2) The remediation of contaminated land that poses an unacceptable risk to human health and/or the environment

Under Part IIA the statutory definition of 'contaminated land' is: any land which appears to the local authority in whose area it is situated, to be in such a condition, by reason of substances in, on, or under the land, that:

- (a) Significant harm is being caused or there is a significant possibility of such harm being caused; or
- (b) Pollution of controlled waters is being, or is likely to be, caused."

For land to be classified as 'Contaminated Land' there must be a 'pollutant linkage'.

For our definitions of pollution linkage and how we define risk please refer to **Annex C** which includes our classifications of consequence and probability and risk assessment matrix.

3.2 Preliminary Site Conceptual Model

The preceding sections enable a preliminary conceptual model of the site to be drawn up, to illustrate the likely ground conditions beneath the site together with a preliminary assessment of the nature of any underlying aquifer and groundwater movement. The preliminary site conceptual model is used as a model for the design and implementation of the site investigation, whereby areas of potential contamination can be targeted as well as investigating the site as a whole.

3.2.1 Potential Sources of Contamination and Gas

The potential contamination beneath the site, whether in the matrix of soil or any groundwater will be related to site past use and the history of the surrounding area.

Historical map review has revealed that the site was undeveloped until c. 1965/1979 when residential development occurred at the site. The site has remained relatively unchanged since this date. There is a risk of asbestos in made ground, relating to the development of the site and its surrounding area.

We would therefore consider there to be a **low risk** of contamination being present at the site and the risk from soil gas to be **low**.

Given the thin nature of the Brithdir Coal Seam and the shallow groundwater table in the area we would not expected this seam to have been worked historically and thus do not consider it to be a likely source of ground gas. The former Ynyscorrwg Shaft locates 113m south of the study site although the shallow water table and presence of impermeable strata (clay) in the region should minimise the transmission of gas.

3.2.2 Potential Receptors, Pathways and Risks

There are both human and hydrological receptors to any contamination that may be present on site.

Construction workers will be excavating in soils and will be exposed via dermal contact with soils and dust, ingestion of soil dust and inhalation of soil dust.

Inhalation of asbestos fibres is also a possible risk, if present in the made ground, as is inhalation of vapours.

A residential end use is proposed. Once developed, future site users will potentially be at risk from the same pathways.

Neighbouring site users and passers-by may potentially be exposed to soil dust, asbestos fibres and vapours during the earthworks phase.

If any contamination is identified this may be leachable, enabling it to mobilise through groundwater within site soils.

SECTION 4 Field Investigation

4.1 Site Works

A geotechnical and geo-environmental site investigation was carried out on 11th October 2018 comprising 3 No. Machine Excavated Trial Pits and 2 No. hand dug trial pits. A supplementary Windowless Sampler Borehole was performed on 1st November 2018. On 27th May 2020 four trial pits were performed within the footprint of the former building.

The fieldworks were supervised by Terra Firma (Wales) Limited.

The Trial Pit and Borehole Logs are presented in **Annex D**.

The Trial Pit and Borehole positions are given on **Figure 4.1**.

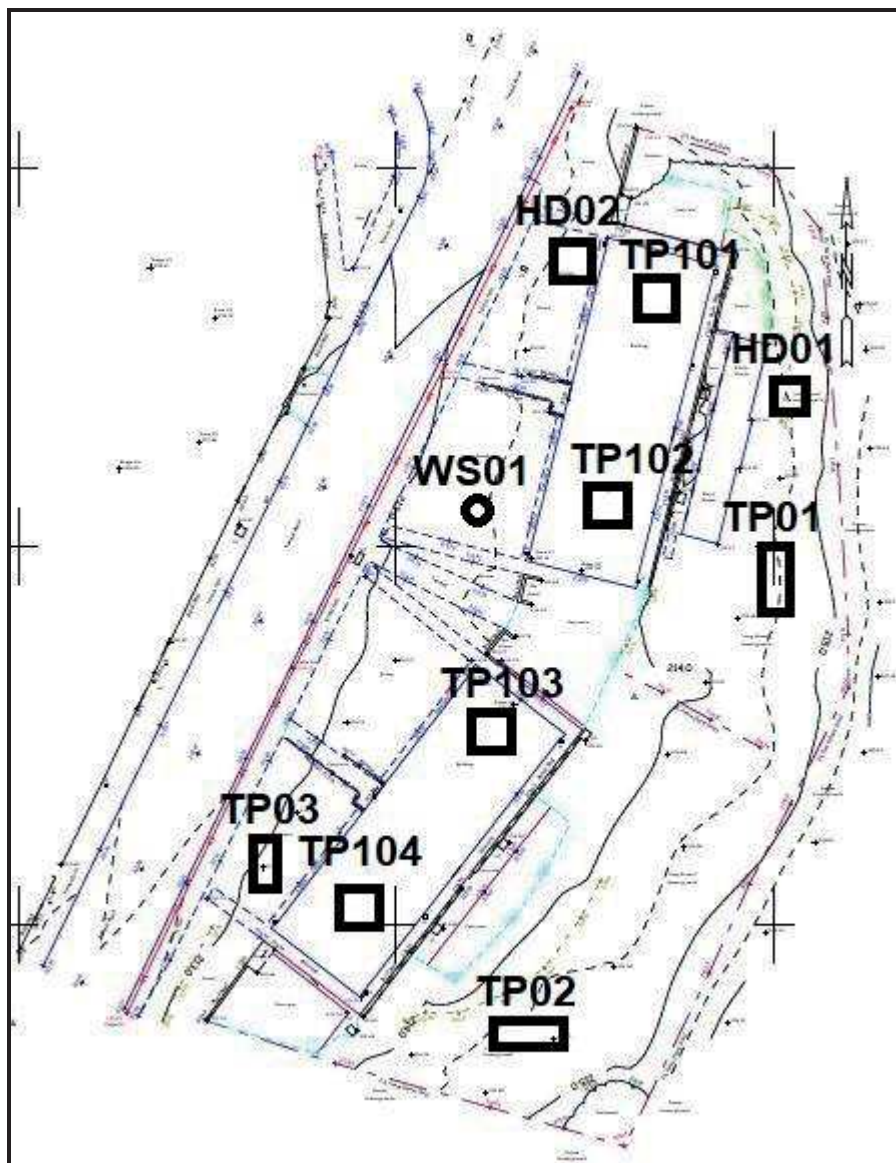


Figure 4.1. Exploratory Hole Locations

4.2 Ground Conditions

A summary of the ground conditions identified in the boreholes is given in **Table 4.1** below.

Table 4.1 Summary of Ground Conditions		
Depth (m)	Thickness (m)	Stratum
0.00 - >0.40/1.80	>0.40/1.80	MADE GROUND: Black, silty sandy GRAVEL with occasional cobble and boulders.
>0.40/1.80 - >2.40/>2.90	-	Soft to locally firm, variably sandy, variably gravelly SILT/CLAY. To very soft sandy SILT/silty SAND.
2.80 - >3.00	-	Dense, brown, clayey sandy GRAVEL (WS01 Only)

4.3 Groundwater

Natural deposits were wet and groundwater was encountered in TP01 at 1.8m, TP02 at 2.2m. Samples were wet below 2.3m in WS01. Seepage was encountered in TP101, TP102, TP103 and TP104.

Areas of surface water were noted to the rear of the existing property and the vegetation present in the rear suggests this condition has existed long enough for wet vegetation to become established.

During the site visit in May 2020 seepages were noted to the rear of the site and surface water was present despite a prolonged period of dry weather.

4.4 Laboratory Chemical Testing

4.4.1 Exploratory Strategy and Sampling Regime

During the intrusive investigation, small disturbed soil samples were collected.

The sample locations and depths are listed in Table 4.2.

Table 4.2 Sample Locations and Depths	
Sample	Depth (m)
TP01	0.5
TP02	0.3
TP03	0.5
HD01	0.3
HD02	0.3
TP101	0.3
TP102	0.3
TP103	0.3
TP104	0.3

4.4.2 Soil Laboratory Analysis

The soil samples taken were despatched to the laboratories of Derwentside Environmental Testing Services Limited.

The following chemical tests were undertaken:

Metals and Metalloids

Lead
Arsenic
Mercury
Chromium
Copper
Nickel
Zinc
Boron
Beryllium
Antimony

In-Organics

Cyanide
Sulphate

Others

pH (acidity)
Organic Matter
Asbestos

Organic Chemicals

Phenol
Polycyclic Aromatic Hydrocarbons (PAHs)
Petroleum Hydrocarbons

The laboratory soil chemical test results are presented in **Annex E**.

SECTION 5 Soil Analytical Results

5.1 Soil Assessment Methodology

Comparison of the analytical results have been made with Soil Guideline Values (SGVs) for a residential setting, sourced from Sutable 4 Use Levels (S4ULs) provided by Land Quality Management Limited, Category 4 Screening Levels (C4SLs) and the Chartered Institute of Environmental Health (CIEH) or CLEA Guidelines.

Sulphate results have been compared to British Research Establishment (BRE) guidelines as sulphate levels need only be considered for buried concrete risk assessment only, not human health related.

5.2 Soil Test Results

Table 5.1 Summary of Soil Chemical Test Results Standard Suite and Asbestos					
Substance	SGV/ GAC/ S4UL (mg/kg)	Source	Measured Concentrations of Tested Substances (mg/kg)		Number of exceedences
			Minimum	Maximum	
Arsenic	37	S4UL	8.6	34	0
Cadmium	11	S4UL	<0.1	0.22	0
Chromium III	910	S4UL	6.6	16	0
Chromium VI	6	S4UL	<1.0	<1.0	0
Copper	2400	S4UL	26	48	0
Lead	200	C4SL	13	38	0
Mercury	40	S4UL	0.14	0.29	0
Nickel	180	S4UL	13	27	0
Selenium	250	S4UL	0.5	2.3	0
Zinc	3700	S4UL	17	370	0
Cyanide	8	CLEA	<0.1	0.1	0
Organic matter	-	S4UL	1.1	20	-
Sulphate	-	-	500	5800	0
pH	-	S4UL	6.3	9.2	-
Phenol	120	S4UL	<0.3	0.8	0
Total PAH	-		<0.10	1.81	*
Asbestos	-		Not Detected	Not Detected	0
Notes *See speciated PAH results (Table 5.2) 9 samples were tested					

5.2 Soil Test Results (Continued)

A summary of the speciated PAH results are given in **Table 5.2** below.

Table 5.2 Summary of Soil Chemical Test Results Speciated PAH					
Substance	GAC (mg/kg)	Source	Measured Concentrations of Tested Substances (mg/kg)		Exceedences
			Minimum	Maximum	
Naphthalene	2.3	S4UL	<0.03	0.04	0
Acenaphthylene	170	S4UL	<0.03	<0.03	0
Acenaphthene	210	S4UL	<0.03	0.05	0
Fluorene	170	S4UL	<0.03	0.04	0
Phenanthrene	95	S4UL	0.06	0.07	0
Anthracene	2400	S4UL	<0.03	<0.03	0
Fluoranthene	280	S4UL	<0.03	0.08	0
Pyrene	620	S4UL	<0.03	0.15	0
Benzo(a)anthracene	7.2	S4UL	<0.03	0.06	0
Chrysene	15	S4UL	<0.03	0.09	0
Benzo(b)fluoranthene	2.6	S4UL	<0.03	<0.03	0
Benzo(k)fluoranthene	77	S4UL	<0.03	<0.03	0
Benzo(a)pyrene	2.2	S4UL	<0.03	<0.03	0
Indeno(123cd)pyrene	27	S4UL	<0.03	<0.03	0
Dibenzo(ah)anthracene	0.24	S4UL	<0.03	<0.03	0
Benzo(ghi)perylene	320	S4UL	<0.03	<0.03	0
Notes: - GAC based on 1% soil organic matter content (SOM) 9 samples were tested					

5.2 Soil Test Results (Continued)

A summary of the speciated Petroleum Hydrocarbon results are given in **Table 5.3** below.

Table 5.3 Summary of Soil Chemical Test Results Speciated Petroleum Hydrocarbons					
Substance	GAC (mg/kg)	Source	Measured Concentrations of Tested Substances (mg/kg)		Exceedences
			Minimum	Maximum	
ALIPHATIC					
C5 – C6	42	S4UL	<0.01	<0.01	0
C6 – C8	100	S4UL	<0.01	<0.01	0
C8 – C10	27	S4UL	<0.01	<0.01	0
C10 – C12	130	S4UL	<1.5	<1.5	0
C12 – C16	1100	S4UL	<1.2	3.4	0
C16 – C21	65000	S4UL	<1.5	<1.5	0
C21 – C35	65000	S4UL	<3.4	<3.4	0
AROMATIC					
C5 – C7	70	S4UL	<0.01	<0.01	0
C7 – C8	130	S4UL	<0.01	<0.01	0
C8 – C10	34	S4UL	<0.01	<0.01	0
C10 – C12	74	S4UL	<0.9	<0.9	0
C12 – C16	140	S4UL	<0.5	<0.5	0
C16 – C21	260	S4UL	<0.6	<0.6	0
C21 – C35	1100	S4UL	<1.4	<1.4	0
Notes:					
- GAC based on 1% soil organic matter content (SOM) 9 samples were tested					

TP101, 0.3m, located in the north of the site (i.e. closest to the sub-station), was tested for Polychlorinated Biphenyls (PCBs). The testing did not detect PCBs

SECTION 6 Quantitative Risk Assessment

6.1 Contaminants of Concern in Soil

It can be seen from Section 5 that all determinants tested were present at concentrations below the published Generic Assessment Criteria for a Residential Setting.

6.2 Potential Receptors and Pathways

6.2.1 Human Receptors

Construction workers may be in intimate contact with the site soils and are potentially at risk from exposure to determinants within the made ground through dermal contact, ingestion and inhalation pathways.

Neighbouring site users and passers-by are potentially exposed to soil dust during earthworks.

Dermal contact, dust and vapour inhalation, soil ingestion and plant uptake are all considered in the algorithms used to derive the Generic Assessment Criteria. The GACs were not exceeded.

6.2 2 Aquatic Environment

Significant contamination has not been identified during the site investigation. In addition, impermeable deposits were encountered beneath the made ground. We would not, therefore, consider the site to pose a significant risk to the aquatic environment.

6.3 Mitigation and Remedial Measures

6.3.1 Site Workers

In order to protect construction workers good site management, COSHH, good standards of hygiene and appropriate health & safety on site should be adhered to, with personal protection equipment (PPE) and dust suppression where appropriate. The elected contractor should provide their own risk assessment to mitigate these risks.

6.3.2 Neighbouring Site Users

Appropriate dust suppression should be employed to prevent the migration soil dust during the earthworks phase.

6.3.3 Site End Users

Residential Generic Assessment Criteria (GAC) was not exceeded. However, if topsoil is imported for garden/landscaped area this should be tested prior to importation to confirm that it conforms to residential GAC's.

A Potable Water Supply Pipe Material Assessment should be carried out by the water provider.

If during development works any other unexpected ground conditions or evidence of contamination is found, inspection by a geo-environmental engineer should be made, and any required testing or investigation carried out prior to continuation of works.

6.3.4 Aquatic Environment

There are not considered to be significant risks to the aquatic environment from site soils.

During the construction period, there is a risk to the environment/adjacent sites from de-watering, digging foundations, moving soil, drainage misconnections, discharges to local surface waters or the ground, runoff from construction materials and/or exposed ground, wheel washings and oil or chemical spills.

The risk is considered to be negligible as any adverse effects will be easily preventable by due diligence to good construction practise and housekeeping in preventing surface runoff and the spillage of materials.

The basic measures that should be taken are as follows:

- Prepare a drainage plan and mark the manholes to prevent pollutants accidentally reaching the surface water sewers;
- Carry out any activities that could cause pollution in a designated, bunded area, away from rivers or boreholes. Where possible it should drain to the foul sewer;
- Use settlement ponds or separators to remove silty water;
- Store all oils and chemicals in a fully bunded area to prevent leaks or spills;
- Get advice on whether you need an environmental permit and apply in good time

6.4 Site Conceptual Model

A Site Conceptual Model is presented below;

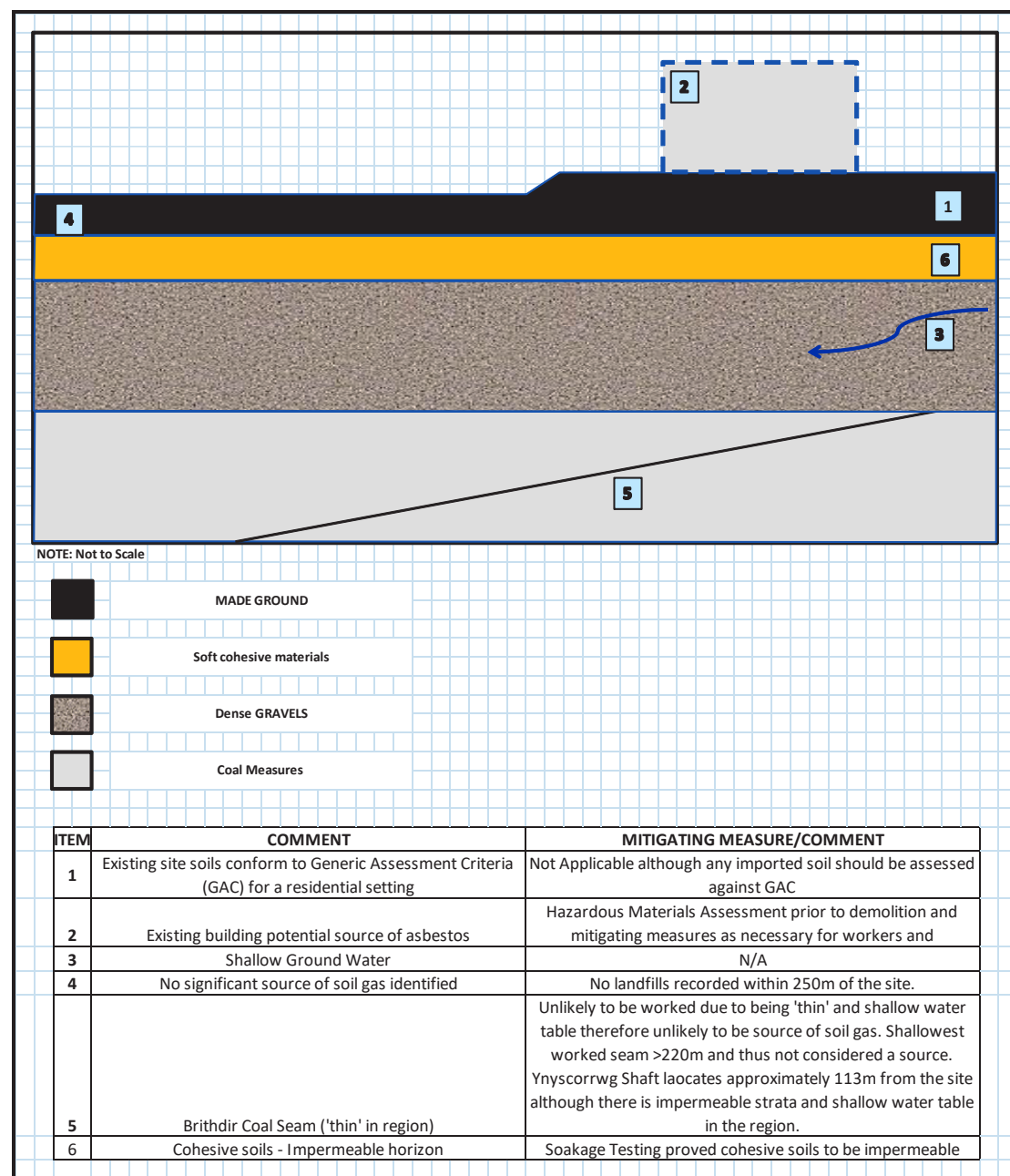


Figure 6.1. Site Conceptual Model (note: Not to Scale)

SECTION 7 Engineering Recommendations

7.1 Preparation of Site

Any vegetation or trees, including roots, and topsoil should be stripped from beneath the proposed development area.

Allowances should be made for removing any 'soft spots/areas' as well as any buried obstructions that may remain.

Contingencies should be made for the protection/diversion of any underground services present beneath the site brought about as a result of the proposed works.

Contingencies should also be made for the protection and any necessary temporary/permanent support of structures adjacent to the site.

Any reduced levels should be brought up to the required levels with well compacted imported granular materials. Department of Transport (DoT) Type 2 sub-base or similar may be used and should be compacted in layers, in accordance with the Specification for Highway Works.

All materials to be removed from site should be taken to an appropriately licensed landfill facility. In accordance with EC Regulation 1272/2008 and Environment Agency Guidance WM3 (v. 1.1/2018) soils and other materials destined for off-site disposal should be classified on the basis of their hazard phrases prior to disposal.

7.2 Foundation and Floor Slab Solution

Variable made ground and soft to very soft superficial deposits were encountered to depths of 2.8m bgl in WS01 and scraping (possible dense gravels (view obstructed by shallow groundwater)) at 2.90m in TP01.

Groundwater was noted between 0.90m and 2.20m, and material was 'wet' below 2.30m in WS01. During the site visits areas of surface water were noted to the rear of the site.

Given the depth of the founding strata and the shallow groundwater conditions we would expect that water management in trench/deep pad foundations would prove problematic and we would therefore recommend that piles be employed to transfer the foundation loads into the dense gravel strata. Piles should be driven to a suitable set within this strata.

Pre-cast reinforced concrete 250mm square section piles, driven to a suitable set would be expected to perform satisfactorily with loads of 400kN per pile, at which intensity total settlement should not exceed 10mm and differential settlement between adjacent piles should not exceed half this value.

Vibrations should be monitored during piling and if vibrations cannot be kept within limits consideration should be given to pre-drilling or end-driven piles. If obstructions are encountered pre-drilling or steel piles may be necessary.

Floor slabs should be designed as suspended.

7.2 Foundation and Floor Slab Solution

All foundation formations should be inspected by a suitably qualified Engineer before pouring. The piling contractor may request additional site specific testing/boreholes to confirm the piling design.

7.3 Excavations and Formations

Excavation should be possible using normal excavating plant. Buried obstructions may be encountered within the made ground and provision should be made for the use of a breaker to deal with such obstructions. Existing foundations should be removed during demolition.

The sides of any excavations deeper than 1.0m should be supported by planking and strutting or other proprietary means.

The sub-formations/formations will be susceptible to loosening, softening and deterioration by exposure to weather (rain, frost and drying conditions), the action of water (flood water or removal of groundwater) and site traffic.

Formations should never be left unprotected and continuously exposed to rain causing degradation, or left exposed/uncovered overnight, unless permitted by a qualified engineer. All formations should be inspected by a suitably qualified engineer before pouring.

Construction plant and other vehicular traffic should not be operated on unprotected formations. Allowances should be made for special precautions to prevent formation deterioration in addition to the above.

Excavations are likely to require dewatering and provision should be made for carrying out such works during the earthworks phase.

7.4 Protection of Buried Concrete

Five samples of soil were subject to Total Sulphate (as SO₄) and pH analysis.

Total Sulphate ranged from 500 mg/kg to 5,800 mg/kg and pH values ranged from 6.3 to 9.2

Based on the highest level of sulphate recorded and with reference to Table C2 of BRE Special Digest 1:2005, these soils fall into Design Sulphate Class DS-2 AC-2.

Chemical Test Results are presented in **Annex D**.

7.5 Sustainable Urban Drainage

Soakaways were not attempted to the rear of the property due to the presence of shallow groundwater and areas of surface water. A soakaway test was performed within the natural deposits in TP03. The test was unsuccessful.

Alternative means of water disposal should be sought.

ANNEX A
Envirocheck Report

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

181432889_1_1

Customer Reference:

14850-DE

National Grid Reference:

287530, 198870

Slice:

A

Site Area (Ha):

0.2

Search Buffer (m):

1000

Site Details:

Site at 287540, 198890

Client Details:

Mr D Emanuel
Terra Firma (Wales) Ltd
5 Deryn Court
Wharfdale Road
Pentwyn
Cardiff
CF23 7HB

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	35
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Geological	38
Industrial Land Use	46
Sensitive Land Use	48
Data Currency	49
Data Suppliers	54
Useful Contacts	55

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 the attached 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

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Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		1		4
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 3		Yes		
Pollution Incidents to Controlled Waters	pg 3		1		5
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River Quality	pg 4		2		
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River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 4				2
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Groundwater Vulnerability	pg 7	Yes	n/a	n/a	n/a
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Bedrock Aquifer Designations	pg 8	Yes	n/a	n/a	n/a
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Extreme Flooding from Rivers or Sea without Defences	pg 8	Yes		n/a	n/a
Flooding from Rivers or Sea without Defences	pg 8	Yes	Yes	n/a	n/a
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Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 8		29	43	161

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
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Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
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Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 35		2	3	6
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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 38	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 38	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 42		1	4	7
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 44	Yes	n/a	n/a	n/a
Mining Instability	pg 44	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities	pg 44				1
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 44	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 44	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 44	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 45	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 45	Yes		n/a	n/a
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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: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	0	1	287534 198868
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (S)	0	1	287534 198850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	0	1	287550 198868
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	85	1	287534 198750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	135	1	287534 198700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	158	1	287350 198868
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (W)	164	1	287350 198800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	253	1	287300 198700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	291	1	287350 198600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	356	1	287250 198600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	402	1	287600 199300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	426	1	287200 198550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	437	1	287100 199000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	455	1	287450 199350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (NW)	489	1	287250 199300
1	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Water Supply Grid Location: Glyncornwg L.Lev Res Co Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bp0183401 Permit Version: 1 Effective Date: 2nd October 1989 Issued Date: 2nd October 1989 Revocation Date: 14th March 1994 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: To Land Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A13NE (E)	247	2	287800 198900

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: Glyncorwg Stormwater Overflow Cham, Stormwater Overflow Chamber Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bp0028603 Permit Version: 1 Effective Date: 1st April 1987 Issued Date: 1st April 1987 Revocation Date: 14th March 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: River Corrwg Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	513	2	287180 198450
2	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cso 129 Glyncorwg Cso Glyncorwg, Neath Port Talbot, Wales Authority: Natural Resources Wales Catchment Area: CORRWG - HEADWATERS TO CONFLUENCE WITH AFAN Reference: Bp0317601 Permit Version: 1 Effective Date: 31st March 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: Afon Corrwg Status: Effective Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	539	2	287167 198427
3	Discharge Consents Operator: Bevan K Property Type: Domestic Property (Single) Location: Llwyn-Y-Ffynnon Hse Glyncorwg. Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bp0132801 Permit Version: 1 Effective Date: 24th August 1989 Issued Date: 24th August 1989 Revocation Date: 28th February 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: To Land Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A18NW (N)	898	2	287500 199800
4	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Bel0w Glyncorwg Nr Tynypant F Swo, Swo No. 9 Authority: Natural Resources Wales Catchment Area: River Afan Reference: Bw0200901 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 10m	A7SE (SW)	964	2	286874 198119
5	Prosecutions Relating to Controlled Waters Location: Glyncorwg Colliery site, Glyncorwg, Port Talbot, West Glamorgan, SA13 3 Prosecution Text: EA News Release 14/03/2000, Polluting the Afon Corrwg & its tributary the Afon Corrw Fechan with coal slurry around 21st September 1998. This ran downstream polluting the Glyncorwg ponds, affecting fish spawning beds. Prosecution Act: WRA91 s85(1) Hearing Date: 13th March 2000 Verdict: Guilty Fine: 5000 Cost: 500 Positional Accuracy: Manually positioned within the geographical locality	A18SW (N)	614	3	287509 199516

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Nearest Surface Water Feature	A13SW (S)	5	-	287526 198834
6	Pollution Incidents to Controlled Waters Property Type: Not Given Location: At Confluence Of, Afan And Corrwg Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Accident Incident Date: 14th May 1997 Incident Reference: 32252 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	240	3	287400 199100
7	Pollution Incidents to Controlled Waters Property Type: Not Given Location: River Corrwg Authority: Environment Agency, Welsh Region Pollutant: Sewage - Treated Effluent Note: Neglect Incident Date: 21st August 1996 Incident Reference: 29551 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Effluent Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	672	3	288000 199400
8	Pollution Incidents to Controlled Waters Property Type: Road (Lost Load) Location: GLYNCORRWG Authority: Environment Agency, Welsh Region Pollutant: Heavy Fuel Oil Note: Vandalism Incident Date: 9th February 1996 Incident Reference: 27348 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 1 - Major Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	681	3	287100 198300
8	Pollution Incidents to Controlled Waters Property Type: Not Given Location: GLYNCORRWG Authority: Environment Agency, Welsh Region Pollutant: Heavy Fuel Oil Note: Vandalism Incident Date: 9th February 1996 Incident Reference: 27348 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	A7NE (SW)	685	3	287100 198295
9	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Sewerage Location: Glynccorwg Ponds Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Poor Operational Practise Incident Date: 2nd April 1995 Incident Reference: 23740 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	763	3	287100 198200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Sewerage Location: Glyncorrwg Ponds Authority: Environment Agency, Welsh Region Pollutant: Farm Effluent/Slurry Note: Neglect Incident Date: 2nd December 1994 Incident Reference: 22114 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Burst Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	861	3	287000 198150
	River Quality Name: Corrwg GQA Grade: River Quality A Reach: Conf.Afan - Conf.Corrwg Fechan Estimated Distance (km): 3.4 Flow Rate: Flow less than 1.25 cumecs Flow Type: River Year: 2000	A13NW (W)	134	3	287390 198916
	River Quality Name: Corrwg GQA Grade: River Quality A Reach: Conf.Corrwg Fechan - Conf.Nant Eau Estimated Distance (km): 4.6 Flow Rate: Flow less than 1.25 cumecs Flow Type: River Year: 2000	A13NW (N)	226	3	287456 199114
11	River Quality Biology Sampling Points Name: Corrwg Reach: Confluence River Afan To Confluence Corrwg Fechan Estimated Distance: 3.40 Positional Accuracy: Located by supplier to within 100m Year: 1990 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 1995 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2000 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2002 GQA Grade: River Quality Biology GQA Grade Not Supplied Year: 2003 GQA Grade: River Quality Biology GQA Grade Not Supplied Year: 2004 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2005 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2006 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2007 GQA Grade: River Quality Biology GQA Grade A - Very Good Year: 2008 GQA Grade: River Quality Biology GQA Grade A - Very Good Year: 2009 GQA Grade: River Quality Biology GQA Grade A - Very Good	A13NW (N)	299	3	287500 199200
12	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 17th April 2003 Incident Reference: 152116 Water Impact: Category 4 - No Impact Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Inert : Construction / Demolition Material	A14NW (NE)	645	2	288126 199193
13	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 17th April 2003 Incident Reference: 152114 Water Impact: Category 3 - Minor Incident Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Inert : Construction / Demolition Material	A18NE (N)	736	2	287685 199624

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	Water Abstractions Operator: Glyncorwg Ponds Cooperative Ltd Licence Number: 21/58/61/0037 Permit Version: 100 Location: Afan Corrwg, Glyncorwg Pond A Authority: Natural Resources Wales Abstraction: Private Non-Industrial Amenity: Make-Up Or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Afan Corrwg Glyncorwg Ss867980 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 31st March 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	765	2	287040 198240
15	Water Abstractions Operator: Glyncorwg Ponds Cooperative Ltd Licence Number: 21/58/61/0037 Permit Version: 100 Location: Afon Corrwg, Glyncorwg Pond B & C Authority: Natural Resources Wales Abstraction: Private Non-Industrial Amenity: Lake And Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Afan Corrwg Glyncorwg Ss870981 Pond A Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 31st March 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	891	2	286950 198150
16	Water Abstractions Operator: Glyncorwg Ponds Cooperative Ltd Licence Number: 21/58/61/0038 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, Welsh Region Abstraction: Amenity Abstraction Type: Not Supplied Source: River Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Afon Corrwg; Glyncorwg; Afan West Glamorgan Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	901	3	287000 198100
17	Water Abstractions Operator: Glyncorwg Ponds Cooperative Ltd Licence Number: 21/58/61/0038 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, Welsh Region Abstraction: Amenity Abstraction Type: Not Supplied Source: River Daily Rate (m3): 33000 Yearly Rate (m3): 33000 Details: Afon Corrwg; In The Community Of Glyncorwg; Afan Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	961	3	286900 198100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Glyncorrwg Ponds Cooperative Ltd Licence Number: 21/58/61/0038 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, Welsh Region Abstraction: Amenity Abstraction Type: Not Supplied Source: River Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Afon Corrwg Glyncorrwg Afan West Glamorgan Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A7SW (SW)	1169	3	286700 198000
	Water Abstractions Operator: Easy Going Hydro Limited Licence Number: Wa/058/0061/050 Permit Version: 1 Location: Nant Yr Allor Authority: Natural Resources Wales Abstraction: Production Of Energy: Hydroelectric Power Generation 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 April Authorised End: 31 March Permit Start Date: 20th July 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15NW (E)	1256	2	288802 199023
	Water Abstractions Operator: Easy Going Hydro Limited Licence Number: Wa/058/0061/050 Permit Version: Not Supplied Location: Not Supplied Authority: Natural Resources Wales Abstraction: Production Of Energy: Hydroelectric Power Generation 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	A15NW (E)	1256	2	288802 199023
	Water Abstractions Operator: Easy Going Hydro Limited Licence Number: Wa/058/0061/051 Permit Version: Not Supplied Location: Not Supplied Authority: Natural Resources Wales Abstraction: Electricity: Hydro-electric Power Generation - Very Low 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	A15NW (E)	1256	2	288802 199023

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Glyncorwg Ponds Cooperative Ltd Licence Number: 21/58/61/0037 Permit Version: 100 Location: Afon Corrwg, Glyncorwg Pond D Authority: Natural Resources Wales Abstraction: Private Non-Industrial Amenity: Lake And Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Afan Corrwg Glyncorwg Ss869981 Pond B & C Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 31st March 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A7SW (SW)	1304	2	286620 197890
	Water Abstractions Operator: Easy Going Hydro Limited Licence Number: Wa/058/0061/054 Permit Version: 1 Location: Nant Cwm Cas Authority: Natural Resources Wales Abstraction: Production Of Energy: Hydroelectric Power Generation 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 April Authorised End: 31 March Permit Start Date: 20th July 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(NE)	1813	2	289221 199607
	Water Abstractions Operator: Easy Going Hydro Limited Licence Number: Wa/058/0061/054 Permit Version: Not Supplied Location: Not Supplied Authority: Natural Resources Wales Abstraction: Production Of Energy: Hydroelectric Power Generation 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	(NE)	1813	2	289221 199607
	Water Abstractions Operator: Easy Going Hydro Limited Licence Number: Wa/058/0061/055 Permit Version: Not Supplied Location: Not Supplied Authority: Natural Resources Wales Abstraction: Electricity: Hydro-electric Power Generation - Very Low 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	(NE)	1813	2	289221 199607
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (H3)- Coarse textured or moderately shallow soils which readily transmit non-absorbed pollutants and liquid discharges but which have some ability to attenuate absorbed pollutants because of their large clay or organic matter contents Map Sheet: Sheet 35 West Glamorgan Scale: 1:100,000	A13SE (SE)	0	3	287534 198868

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Drift Deposits Drift Deposit: Low permeability drift deposits occurring at the surface and overlying Major and Minor Aquifers are head, clay-with-flints, brickearth, peat, river terrace deposits and marine and estuarine alluvium Map Sheet: Sheet 35 West Glamorgan Scale: 1:100,000	A13SE (SE)	0	3	287534 198868
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SE (SE)	0	1	287534 198868
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (W)	0	1	287531 198868
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	A13SE (SE)	0	1	287534 198868
	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)	0	2	287530 198869
	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	A13NW (W)	0	2	287524 198871
	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	A13NE (NE)	195	2	287705 199019
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 82.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13SW (S)	5	4	287526 198834
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 99.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13SE (SE)	28	4	287565 198822
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 200.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13SE (SE)	28	4	287576 198838
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 106.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13SW (SW)	37	4	287495 198811

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13SW (SW)	37	4	287495 198811
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13SW (SW)	42	4	287495 198805
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 74.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13SW (S)	51	4	287520 198789
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 50.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13SW (S)	56	4	287504 198787
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 75.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13SW (S)	95	4	287523 198742
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13SE (S)	129	4	287568 198709
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 58.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13SW (SW)	142	4	287450 198715
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 682.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Corrwg Catchment Name: Afan Primacy: 1	A13NW (NW)	154	4	287377 198940
30	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	A13SW (S)	167	4	287484 198678

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13SW (S)	173	4	287476 198674
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 277.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13SW (S)	173	4	287476 198674
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 151.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Groes Catchment Name: Afan Primacy: 1	A13NE (NE)	198	4	287708 199020
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 66.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13SW (SW)	201	4	287427 198661
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13SW (SW)	201	4	287429 198660
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 195.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Nant y Groes Catchment Name: Afan Primacy: 1	A13NE (NE)	204	4	287672 199063
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 94.6 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13NE (NE)	204	4	287672 199063
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Corrwg Catchment Name: Afan Primacy: 1	A13NW (NW)	219	4	287437 199098
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 338.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13NW (NW)	219	4	287437 199098

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 72.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13SE (SE)	227	4	287755 198760
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 2	A13NW (N)	240	4	287457 199130
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 282.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13SE (SE)	242	4	287709 198662
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Corrwg Catchment Name: Afan Primacy: 1	A13NW (N)	244	4	287450 199131
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 62.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13NE (E)	245	4	287787 198971
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 164.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Groes Catchment Name: Afan Primacy: 1	A13NE (E)	245	4	287787 198971
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 64.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Corrwg Catchment Name: Afan Primacy: 1	A13NW (N)	250	4	287467 199144
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 204.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 2	A13SE (SE)	263	4	287762 198694
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 48.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13SW (S)	264	4	287441 198589

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13SW (S)	265	4	287462 198582
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13SW (SW)	266	4	287408 198598
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13SW (S)	267	4	287453 198583
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 152.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13SW (SW)	267	4	287401 198600
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 66.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13SW (S)	270	4	287454 198579
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Groes Catchment Name: Afan Primacy: 1	A13NW (N)	277	4	287516 199180
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Corrwg Catchment Name: Afan Primacy: 1	A13NW (N)	284	4	287513 199186
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 453.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13NE (NE)	287	4	287761 199095
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Corrwg Fechan Catchment Name: Afan Primacy: 1	A18SE (N)	308	4	287533 199211

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 306.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Corrwg Catchment Name: Afan Primacy: 1	A18SE (N)	308	4	287533 199211
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 77.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Groes Catchment Name: Afan Primacy: 1	A14SW (E)	317	4	287871 198845
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 104.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 2	A14SW (E)	317	4	287871 198845
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 85.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8NW (S)	320	4	287478 198522
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 68.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8NW (S)	320	4	287480 198522
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 109.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13SE (SE)	334	4	287704 198544
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 180.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13SE (SE)	334	4	287704 198544
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 220.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Corrwg Fechan Catchment Name: Afan Primacy: 1	A18SW (N)	342	4	287524 199245
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 169.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Du Catchment Name: Afan Primacy: 1	A18SW (N)	342	4	287524 199245

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 439.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Groes Catchment Name: Afan Primacy: 1	A14SW (E)	354	4	287898 198781
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 186.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12NE (W)	413	4	287135 199026
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8NW (S)	413	4	287392 198449
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8NW (SW)	415	4	287342 198465
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 174.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A13NW (NW)	418	4	287201 199152
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 217.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A14SW (E)	420	4	287974 198853
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 182.0 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8NW (SW)	420	4	287332 198464
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8NW (S)	423	4	287365 198447
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 589.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8NW (S)	424	4	287370 198444

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8NW (SW)	428	4	287343 198450
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18SW (N)	436	4	287393 199315
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 148.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Du Catchment Name: Afan Primacy: 1	A18SW (N)	436	4	287393 199315
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 127.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8NE (SE)	437	4	287717 198436
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 425.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8NW (SW)	442	4	287339 198437
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 265.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8NW (SW)	442	4	287339 198437
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 384.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A14NW (NE)	444	4	287961 199078
83	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 8.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18SW (N)	467	4	287401 199350
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 75.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18SW (N)	475	4	287399 199358

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 187.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Corwg Catchment Name: Afan Primacy: 1	A18SE (NE)	476	4	287823 199290
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18SE (NE)	476	4	287823 199290
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 103.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18SE (NE)	480	4	287821 199296
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A7NE (SW)	499	4	287174 198474
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 58.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Corwg Catchment Name: Afan Primacy: 1	A7NE (SW)	499	4	287174 198474
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18SW (NW)	502	4	287254 199318
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 70.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Du Catchment Name: Afan Primacy: 1	A18SW (NW)	512	4	287258 199333
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A7NE (SW)	516	4	287134 198489
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A7NE (SW)	517	4	287133 198489

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A7NE (SW)	528	4	287107 198501
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A7NE (SW)	529	4	287106 198501
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 362.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A17SE (NW)	532	4	287148 199267
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A7NE (SW)	535	4	287095 198505
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 78.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A7NE (SW)	536	4	287093 198505
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 46.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18SW (N)	547	4	287395 199431
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 246.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18SW (N)	547	4	287395 199431
101	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 227.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Du Catchment Name: Afan Primacy: 1	A18SW (NW)	548	4	287197 199333
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 166.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18SE (N)	552	4	287535 199455

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 83.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Corwg Fechan Catchment Name: Afan Primacy: 1	A18SE (N)	552	4	287545 199455
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 358.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Corwg Catchment Name: Afan Primacy: 1	A7NE (SW)	552	4	287156 198418
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 81.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A7NE (SW)	552	4	287152 198422
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12SE (SW)	572	4	287024 198540
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A7NE (SW)	572	4	287086 198458
108	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A7NE (SW)	572	4	287087 198457
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12SE (SW)	573	4	287022 198541
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 91.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A7NE (SW)	574	4	287079 198463
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A7NE (SW)	574	4	287081 198462

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
112	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12SE (SW)	581	4	287006 198551
113	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12SE (SW)	582	4	287004 198553
114	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 46.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A19SW (NE)	584	4	287982 199294
115	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 122.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8NW (S)	591	4	287463 198250
116	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 70.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8NW (S)	591	4	287463 198250
117	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 178.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18SW (N)	591	4	287398 199477
118	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A14SW (E)	595	4	288128 198711
119	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 52.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A14SW (E)	595	4	288128 198711
120	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 302.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Groes Catchment Name: Afan Primacy: 1	A9NW (SE)	596	4	287943 198395

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
121	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 67.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A9NW (SE)	596	4	287943 198395
122	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 168.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A14NW (NE)	600	4	288087 199171
123	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12SE (SW)	606	4	286957 198592
124	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12SE (SW)	606	4	286957 198592
125	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 1.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A14NW (NE)	607	4	288098 199165
126	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 2.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A14NW (NE)	607	4	288099 199164
127	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 90.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A14NW (E)	607	4	288124 199111
128	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 321.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A14NW (E)	612	4	288150 199033
129	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A14NW (E)	613	4	288137 199083

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
130	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	A14NW (E)	617	4	288142 199081
131	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A14NW (E)	623	4	288149 199080
132	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8NW (S)	623	4	287525 198212
133	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8NW (S)	623	4	287525 198212
134	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8NW (S)	623	4	287525 198212
135	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A7NE (SW)	624	4	286993 198492
136	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8NW (S)	624	4	287522 198212
137	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A7NE (SW)	626	4	286990 198493
138	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A19SW (NE)	627	4	288025 199310

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
139	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A19SW (NE)	632	4	288030 199312
140	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 103.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Corrwg Catchment Name: Afan Primacy: 1	A19SW (NE)	634	4	288001 199346
141	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A7NE (SW)	635	4	286973 198503
142	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A7NE (SW)	636	4	286970 198505
143	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 152.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18SE (N)	636	4	287552 199538
144	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 166.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Corrwg Fechan Catchment Name: Afan Primacy: 1	A18SE (N)	636	4	287552 199538
145	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 306.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8NE (S)	642	4	287664 198206
146	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A7NE (SW)	648	4	286950 198515
147	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 44.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A7NE (SW)	649	4	286947 198517

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
148	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 130.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Ffin Catchment Name: Afan Primacy: 1	A7NE (SW)	660	4	287180 198272
149	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8SE (S)	661	4	287639 198182
150	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 78.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 2	A8NE (SE)	668	4	287811 198224
151	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12SE (SW)	677	4	286907 198534
152	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 112.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Ffin Catchment Name: Afan Primacy: 1	A7NE (SW)	677	4	287168 198260
153	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 159.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12SE (SW)	680	4	286904 198534
154	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 89.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A7NE (SW)	683	4	287122 198282
155	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 331.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Ffin Catchment Name: Afan Primacy: 1	A8SW (SW)	713	4	287237 198185
156	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Du Catchment Name: Afan Primacy: 1	A17SE (NW)	716	4	287004 199382

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
157	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 245.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A17SE (NW)	716	4	287004 199382
158	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 194.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant yr Allor Catchment Name: Afan Primacy: 1	A19SW (NE)	722	4	288180 199257
159	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 122.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8SE (SE)	730	4	287867 198182
160	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Corrwg Catchment Name: Afan Primacy: 1	A19SW (NE)	731	4	288093 199391
161	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 155.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A19SW (NE)	731	4	288093 199391
162	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 40.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18NW (N)	733	4	287446 199631
163	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 78.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A19SE (NE)	748	4	288233 199210
164	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 131.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant yr Allor Catchment Name: Afan Primacy: 1	A19SE (NE)	748	4	288233 199210
165	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant yr Allor Catchment Name: Afan Primacy: 1	A19SW (NE)	750	4	288109 199401

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
166	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 344.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Corwg Catchment Name: Afan Primacy: 1	A19SW (NE)	750	4	288109 199401
167	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Nant yr Allor Catchment Name: Afan Primacy: 1	A19SW (NE)	755	4	288140 199372
168	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 117.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Du Catchment Name: Afan Primacy: 1	A17SE (NW)	764	4	286952 199396
169	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 235.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A17SE (NW)	764	4	286952 199396
170	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18NW (N)	765	4	287417 199659
171	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 25.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Ffin Catchment Name: Afan Primacy: 1	A7NE (SW)	769	4	287077 198208
172	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 198.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18NW (N)	771	4	287370 199656
173	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Corwg Fechan Catchment Name: Afan Primacy: 1	A18NE (N)	775	4	287606 199675
174	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18NE (N)	775	4	287606 199675

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
175	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18NW (N)	779	4	287396 199670
176	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 40.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18NE (N)	783	4	287700 199668
177	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 2	A18NE (N)	783	4	287605 199682
178	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 44.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18NE (N)	783	4	287626 199681
179	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 35.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Corrwg Fechan Catchment Name: Afan Primacy: 1	A18NE (N)	783	4	287605 199682
180	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 183.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A7NW (SW)	786	4	286854 198408
181	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 29.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Nant Llaethdy Catchment Name: Afan Primacy: 1	A7SE (SW)	793	4	287066 198186
182	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 21.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Llaethdy Catchment Name: Afan Primacy: 1	A7SE (SW)	793	4	287066 198186
183	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18NE (N)	797	4	287668 199689

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
184	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 115.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Llaethdy Catchment Name: Afan Primacy: 1	A7SE (SW)	801	4	287086 198164
185	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Corwg Fechan Catchment Name: Afan Primacy: 1	A18NE (N)	809	4	287622 199708
186	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18NE (N)	809	4	287622 199708
187	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 187.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A14NE (E)	810	4	288328 199133
188	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 128.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant yr Allor Catchment Name: Afan Primacy: 1	A14NE (E)	810	4	288328 199133
189	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 452.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18NE (N)	811	4	287621 199710
190	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 354.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18NW (N)	813	4	287363 199697
191	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 339.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18NW (N)	813	4	287363 199697
192	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 88.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Llaethdy Catchment Name: Afan Primacy: 1	A7SE (SW)	815	4	287054 198168

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
193	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A19SW (NE)	819	4	288064 199538
194	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A19SE (NE)	820	4	288287 199264
195	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 6.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8SW (S)	820	4	287511 198016
196	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A19SW (NE)	823	4	288068 199540
197	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 196.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant y Ffin Catchment Name: Afan Primacy: 1	A8SW (S)	823	4	287506 198013
198	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 174.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A19SE (NE)	831	4	288294 199274
199	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 80.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18NE (N)	837	4	287654 199731
200	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Corrwg Fechan Catchment Name: Afan Primacy: 1	A18NE (N)	839	4	287638 199736
201	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12NW (W)	848	4	286678 199020

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
202	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 218.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Llaethdy Catchment Name: Afan Primacy: 1	A7SE (SW)	848	4	287138 198082
203	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 330.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Corrwg Fechan Catchment Name: Afan Primacy: 1	A18NE (N)	849	4	287642 199745
204	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18NE (N)	849	4	287642 199745
205	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 203.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8SW (S)	849	4	287512 197987
206	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 147.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12NW (W)	859	4	286654 198943
207	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 192.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Blaen-y-ty Catchment Name: Afan Primacy: 1	A17SW (NW)	861	4	286845 199417
208	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18NE (N)	862	4	287623 199761
209	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 287.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Du Catchment Name: Afan Primacy: 1	A17SW (NW)	862	4	286847 199421
210	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 73.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A9SW (SE)	863	4	288087 198168

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
211	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 251.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A14NE (E)	864	4	288414 198972
212	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 152.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12NW (W)	868	4	286663 199040
213	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8SW (S)	882	4	287399 197964
214	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18NE (N)	886	4	287601 199786
215	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 294.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12SW (W)	889	4	286634 198680
216	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8SW (S)	890	4	287384 197960
217	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 119.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8SW (S)	890	4	287384 197960
218	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Corrwg Catchment Name: Afan Primacy: 1	A7SE (SW)	892	4	287003 198109
219	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 132.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18NW (N)	895	4	287253 199752

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
220	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 78.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18NW (N)	895	4	287253 199752
221	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 236.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A7SE (SW)	896	4	287036 198083
222	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18NE (N)	900	4	287587 199801
223	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18NE (N)	902	4	287582 199804
224	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 61.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant yr Allor Catchment Name: Afan Primacy: 1	A14NE (E)	903	4	288437 199079
225	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12SW (W)	910	4	286609 198706
226	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18NE (N)	916	4	287568 199818
227	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	A7SE (SW)	919	4	286986 198089
228	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 170.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Corrwg Catchment Name: Afan Primacy: 1	A7SE (SW)	919	4	286986 198089

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
229	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8SE (S)	924	4	287665 197920
230	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 418.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Llaethdy Catchment Name: Afan Primacy: 1	A9SW (S)	928	4	287900 197980
231	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 215.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A7SE (SW)	932	4	286988 198071
232	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8SE (S)	937	4	287679 197909
233	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8SE (S)	937	4	287679 197909
234	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 61.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Llaethdy Catchment Name: Afan Primacy: 1	A8SW (S)	940	4	287267 197937
235	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 259.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12SW (W)	948	4	286571 198696
236	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 95.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12SW (W)	949	4	286570 198703
237	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A7SE (SW)	951	4	286969 198061

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
238	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 81.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Blaen-y-ty Catchment Name: Afan Primacy: 1	A17SW (NW)	955	4	286694 199353
239	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 83.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant yr Allor Catchment Name: Afan Primacy: 1	A14NE (E)	957	4	288496 199059
240	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 82.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Corwg Catchment Name: Afan Primacy: 1	A7SE (SW)	957	4	286956 198063
241	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18NW (N)	970	4	287213 199818
242	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 91.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A18NW (N)	970	4	287213 199818
243	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 371.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Llaethdy Catchment Name: Afan Primacy: 1	A8SW (S)	977	4	287313 197885
244	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A19SE (E)	979	4	288466 199251
245	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A19SE (E)	979	4	288466 199251
246	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A19SE (E)	979	4	288466 199251

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
247	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 80.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A8SW (S)	987	4	287284 197882
248	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 192.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A12NW (W)	992	4	286583 199204
249	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Afan Primacy: 1	A17SW (NW)	1000	4	286626 199319
250	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Blaen-y-ty Catchment Name: Afan Primacy: 1	A17SW (NW)	1000	4	286626 199319

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Neath Port Talbot County Borough Council - Has supplied landfill data		0	5	287534 198868
251	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A13SW (W)	11	-	287494 198862
252	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A13SE (S)	137	-	287587 198706
253	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A13NW (NW)	265	-	287356 199098
254	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A13NW (NW)	303	-	287317 199112
255	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A13NE (NE)	310	-	287798 199088
256	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A18SE (N)	613	-	287547 199516
257	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A19SW (NE)	719	-	288176 199256
258	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A19SE (NE)	894	-	288256 199450
259	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A17SW (NW)	907	-	286712 199282
260	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A12SW (W)	938	-	286570 198813
261	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A17NE (N)	974	-	287152 199798
262	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A13SW (S)	11	-	287530 198827
263	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A13NW (NW)	57	-	287460 198906
264	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A13SW (SW)	157	-	287414 198719
265	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A13SW (SW)	160	-	287409 198719
266	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A13NW (NW)	180	-	287388 199004
267	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A13NW (W)	183	-	287328 198877

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
268	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A13NW (NW)	183	-	287419 199044
269	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A13NW (NW)	196	-	287346 198959
270	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A13NW (N)	199	-	287495 199098
271	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A13NE (NE)	199	-	287656 199069
272	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A13NW (NW)	283	-	287271 199004
273	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A13NE (NE)	285	-	287657 199164
274	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A13SW (S)	297	-	287468 198548
275	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A13NW (NW)	318	-	287268 199074
276	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A13NW (NW)	359	-	287335 199200
277	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A18SW (N)	373	-	287405 199252
278	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A18SE (NE)	381	-	287743 199228
279	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A18SE (N)	385	-	287610 199281
280	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A13NW (NW)	412	-	287202 199145
281	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A18SW (N)	454	-	287395 199335
282	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A18SW (N)	460	-	287476 199359
283	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A18SE (NE)	475	-	287746 199333
284	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A18SE (NE)	476	-	287865 199257
285	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A18SE (NE)	479	-	287780 199320
286	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A18SE (NE)	506	-	287801 199339
287	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A18SE (N)	523	-	287695 199402
288	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A14NW (NE)	550	-	288045 199143

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
289	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A7NE (SW)	636	-	287120 198341
290	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A19SW (NE)	697	-	288054 199383
291	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A18NE (N)	733	-	287659 199626
292	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A18NW (N)	741	-	287434 199637
293	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A18NE (N)	768	-	287727 199647
294	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A7SE (SW)	793	-	287061 198189
295	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A18NE (N)	858	-	287572 199760
296	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A18NE (N)	886	-	287609 199786
297	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A18NE (N)	959	-	287685 199850

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 (SE)	0	1	287534 198868
	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: 30 - 45 mg/kg	A13SW (W)	0	1	287531 198868
	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	A13SW (SW)	0	1	287528 198860
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 45 - 60 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 (SE)	0	1	287534 198868
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 35 - 45 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (SE)	80	1	287623 198818
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 45 - 60 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	A13SW (SW)	92	1	287467 198762
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 35 - 45 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (W)	169	1	287359 198930

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 15 - 30 mg/kg Concentration:	A13NW (NW)	180	1	287384 199000
	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:	A13NE (NE)	209	1	287735 199000
	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 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (W)	342	1	287186 198959
	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:	A18SE (NE)	415	1	287767 199254
	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:	A12NE (W)	421	1	287106 198969
	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 30 - 45 mg/kg Concentration:	A12NE (W)	448	1	287088 199000

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 35 - 45 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:	A12SE (W)	514	1	287000 198764
	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:	A19SW (NE)	616	1	288000 199322
	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 30 - 45 mg/kg Concentration:	A18SE (N)	640	1	287776 199498
	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:	A17SE (NW)	668	1	287152 199450
	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 30 - 45 mg/kg Concentration:	A12SW (W)	672	1	286856 199682
	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:	A18NW (N)	728	1	287340 199604

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 35 - 45 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:	A17SE (NW)	742	1	287154 199539
	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:	A12NW (W)	795	1	286728 199000
	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 30 - 45 mg/kg Concentration:	A12NW (W)	810	1	286762 199160
	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:	A12SW (W)	886	1	286637 198682
	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:	A14NE (E)	886	1	288407 199131
	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:	A7SE (SW)	907	1	287000 198093

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: 35 - 45 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:	A14NE (E)	969	1	288480 199180
298	BGS Recorded Mineral Sites Site Name: Ynynscoirwg Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 154560 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13SE (S)	133	1	287582 198709
299	BGS Recorded Mineral Sites Site Name: Pen-Y-Waun Mine Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 154539 Type: Underground Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	270	1	287352 199100
300	BGS Recorded Mineral Sites Site Name: Glynview Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 154559 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13SW (W)	303	1	287205 198860
301	BGS Recorded Mineral Sites Site Name: Coedcae Pen-Y-Waun Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 154541 Type: Underground Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12NE (W)	478	1	287049 198979
302	BGS Recorded Mineral Sites Site Name: Cwm Llaethdy Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 154654 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8NW (S)	489	1	287377 198374

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
303	BGS Recorded Mineral Sites Site Name: Corrwg-Fechan Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 154538 Type: Underground Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18SE (N)	607	1	287555 199510
304	BGS Recorded Mineral Sites Site Name: Coedcae Pen-Y-Waun Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 154549 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12SW (W)	694	1	286819 198758
305	BGS Recorded Mineral Sites Site Name: Nant-Yr-Allor Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 154537 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	715	1	288171 199257
306	BGS Recorded Mineral Sites Site Name: Nant-Yr-Allor Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 154536 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	750	1	288145 199359
307	BGS Recorded Mineral Sites Site Name: Daren Ddu Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 154540 Type: Underground Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	766	1	286864 199270
308	BGS Recorded Mineral Sites Site Name: Llwyn-Y-Ffynnon Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 154529 Type: Underground Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Brithdir Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18NW (N)	850	1	287526 199753

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
309	BGS Recorded Mineral Sites Site Name: Coedcae Llwyn-Y-Ffynnon Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 154527 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hughes Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A17NE (N)	983	1	287151 199807
	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 (SE)	0	6	287534 198868
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SE (SE)	0	-	287534 198868
	Natural Cavities Easting: 288200 Northing: 198500 Distance: 740 Quadrant Reference: A9 Quadrant Reference: NW Bearing Ref: SE Cavity Type: Gulls/Fissures due to Cambering Solid Geology Detail: Upper Coal Measures Superficial Geology: No Details Detail:	A9NW (SE)	740	7	288200 198500
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	287534 198868
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	287531 198868
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	287534 198868
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	287531 198868
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	287534 198868
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	287531 198868
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	287534 198868
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	72	1	287616 198817
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	138	1	287560 198698

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	144	1	287373 198899
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	147	1	287554 198689
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	161	1	287368 198935
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	200	1	287320 198917
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	206	1	287403 199061
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	219	1	287712 199049
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	287534 198868
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	287531 198868
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	80	1	287623 198818
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	169	1	287359 198930
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	287534 198868
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	80	1	287623 198818
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	169	1	287359 198930
	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 (SE)	0	1	287534 198868
	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 (SE)	0	1	287534 198868