Pyle CRC – Phase 1 and 2 Land Quality Assessment

A REPORT FOR WALTERS U.K. LTD
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Document Control

Title

Pyle CRC - Geo-environmental Investigation

Client

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Executive Summary

Subject title	Commentary		Implications
Proposed development	Construction of a new CRC with associated roadways and car parking over the current depot and scrubland areas.		Limited impact to land quality above current baseline anticipated.
Site context	Set within a commercial/ industrial area of Pyle, north of the river Afon Fach.		Land and surface water quality issues are possible in the wider local area attributed to wider land use.
Land use history	Agricultural fields up the 1970s. Site then developed as a depot with a building constructed on the western perimeter. By 1995, two more buildings were constructed on site and the surrounding area has been further developed as an industrial estate. Only one building now remains on site, the others since demolished.		No contamination source potential before 1970s. Made ground and current light-industrial use all present potential contamination sources.
Ground Conditions	Made ground comprising brick and concrete cobbles and boulders overlies made ground containing pulverised fly ash (PFA). Clay-rich alluvium was noted below the made ground, and head was encountered in two trial pits.		Possible contamination source potential in the made ground, although no visual or olfactory evidence of gross contamination was encountered during trial pitting.
Environmental risk assessment	Human Health (Direct exposure):	Risks to current and future site users from unmanaged access to sub-surface soils are assessed to be of Very Low order.	Risks can be maintained at low through development by use of clean capping/ hard-standing. Operational risks must be controlled in accordance with statutory legislation and guidance.
		The risk is temporarily elevated to low due to the potential for construction workers to come into direct contact with soils.	Standard Health and Safety precautions are being deployed by the Client, commensurate with any Brownfield site. These include staff training, watching brief from a geo-environmental engineer and suitable Safe Systems of Work.
	Controlled waters	Potential risks to surface water (Afon Fach river in particular) and groundwater are assessed as very low. This is primarily due to the concrete hardstanding that will cover the entirety of the site cutting off any possible pathways between source and receptor.	Expansion of HWRC facility will increase extent of hard-cover surfacing (limiting infiltration capacity) and also improve and formalise drainage with discharge to foul sewer. During construction, suitable measures will be required to prevent impact to the rhine, in accordance with best practice in control of surface water on construction sites.
		The risk is temporarily elevated during construction to a MODERATE TO LOW order. This is due to the exposure of soils and the requirement to dewater rainwater from excavations to public sewer.	This risk is being mitigated by the client, with a geo-environmental engineer being employed in a watching brief, pumped waters being assessed for contaminant impact and held pending laboratory analysis if required. The Client has been in close liaison with Welsh Water throughout to ensure the terms of the discharge consent continue to be complied with.

This table is provided as a non-technical summary of the full report. The full report should be reviewed in order that all assumptions, limitations and methodologies used in compiling this document are fully understood.

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1 Introduction

1.1 INSTRUCTION

Walters U.K. Ltd (the Client) commissioned Yellow Sub Geo Ltd (Yellow Sub) to provide environmental consultancy support with respect to the land quality planning condition associated with planning permission reference P/14/38/BCB. The planning permission is for the redevelopment of a former Industrial yard located off Sturmi way, Pyle (the Site) for the erection of a community recycling centre (CRC). The Client has been awarded the Main Contractor role in delivering the redevelopment by Bridgend County Council (the Council). Instruction for Yellow Sub to proceed was confirmed by email from the Client on the 16th November 2020.

1.2 BRIEF

The brief was to support the discharge of the land quality commencement planning condition for the site development, by supplementing existing site investigation data and compiling a suitable risk assessment. This work has been required following the discovery of soils impacted with some contaminants during the delivery of the project.

1.3 SCOPE OF WORK

The agreed scope of works is summarised below:

- A land quality focussed desk study;
- A site investigation together with suitable soil and groundwater sampling and analysis;
- A qualitative/ semi-quantitative assessment of potential environmental risk to receptors in the context of the proposed development

This report presents the findings of the desk study, site investigation and assessment. It culminates in a land quality assessment, detailing and characterising risks posed to human health and the wider environment by the soils and groundwaters beneath the Site.

This report has been compiled to support discharge of Condition 6 of P/14/38/BCB. The work underpinning this report has also been used to support ongoing liaison with Bridgend County Borough Council, both in their role as ultimate client and, separately, in their role as statutory consultee to the planning process. This ongoing liaison has been crucial in enabling the safe continuation of the redevelopment works, whilst ensuring sufficient measures were in place to safeguard the health and wellbeing of the workers on the project, and the protection of the wider environment. These occupational health and construction site management aspects are outside the scope of this report, but are referred to where relevant to the wider risk assessment process.

1.4 LIMITATIONS

This report is provided in accordance with the conditions defined in Appendix A.

2 Background and rationale

2.1 PLANNING CONTEXT

The Site has secured conditional planning permission (Application No: P/14/38/BCB) from Bridgend County Borough Council for the development of a CRC.

The salient environmental conditions related to this planning consent is Condition 6 that states in the event of contamination being found all works should stop until the following measures have been undertaken:

Condition 6 is as follows:

"In the event that contamination is found at any time when carrying out the approved development that was not previously identified it must be reported in writing within 2 days to the Local Planning Authority, all associated works must stop and no further development shall take place until a scheme to deal with the contamination found has been approved. An investigation and risk assessment must be undertaken and where remediation is necessary, a remediation scheme and verification plan must be prepared and submitted to and approved in writing by the Local Planning Authority. Following completion of measures identified in the approved remediation scheme a verification report must be submitted to and approved in writing by the Local Planning Authority. The timescale for the above actions shall be agreed with the Local Planning Authority within 2 weeks of the discovery of any unsuspected contamination."

The decision notice is reproduced in Appendix B.

During the excavation to form the foundation to the concrete skip-bay structure, potentially contaminated soils were encountered by the Client, containing deleterious materials including office furniture, paper and assorted wastes, accompanied with a putrescible odour. Works were duly ceased, and Yellow Sub were asked to provide a "scheme to deal with the contamination".

In order to enable rapid recommencement of works on Site, Yellow Sub used the available data and the early findings of the trial pitting works to assess the potential risks to construction workers, and to inform a safe dewatering strategy for excavations. Work then recommenced under a watching brief from a geo-environmental engineer. These works are outside the scope of this report.

This report has been written to provide a report of the "site investigation and risk assessment". It then discusses the need or otherwise of remediation.

2.2 PREVIOUS REPORTS

An initial phase of ground investigation was previously undertaken on Site by SLR Consulting Ltd (SLR; ref: 402-00798-00029, May 2014) and the resulting report was submitted to the Council in support of the planning process. However, this previous report was geotechnically focussed and no environmental sampling, testing or assessment was undertaken. The only item of note within the report was a hydrocarbon odour noted in one of the five trial pits logs recorded on Site.

In addition to the above SLR report, the Client has conducted their own soil sampling exercise which consisted of obtaining 6No. soil samples from soils arising from foundation and drainage excavations across the Site. These were sent for analysis by ALS laboratories for the purposes of providing data for waste characterisation. Three of these samples were taken from the area of deleterious material encountered in the foundation excavation for the main

raised concrete skip-bay structure. These results have been combined with data gathered by Yellow Sub to inform the assessment detailed herein.

2.3 RATIONALE

In light of the deleterious materials uncovered during the works, it became apparent that there was a need to further characterise the soils beneath the Site in order to properly assess any risk it may pose to human health or the wider environment. This would then in turn enable discharge of Condition 6.

3 Desk Study

3.1 SITE INFORMATION

Table 3-1 below summarises the key details of the Site and the immediate surrounding area. A Site location plan is shown in drawing 20241_R1_01.

Table 3-1 Desk study details

Site address /location	The location of the Site is set in the Village Farm Industrial Estate in the southeast of Pyle, to the west of Bridgend. The Site address is: 40B Sturmi Way, Village Farm Industrial Estate, Pyle, CF33 6BZ.	
NGR	Centred at NGR SS 83451 81970.	
Area	The Site area is approximately 0.5 ha.	
Current Site use and context	The Site is located within an industrial area and has previously been used as a yard for Veolia Water and for a concrete delivery company. The Site has one existing building in the north-east corner. At the time of Site works it was an active construction Site, with the formwork to create the skip bays being formed and concrete being poured. Site surfacing comprised wet slurry.	
Site access	Access is via Sturmi Way off the A48, heading east from Bridgend.	
Topography	The Site topography is flat and it is broadly at-grade with the surrounding pavements.	
Surrounding land use	North	North of the Site are further industrial units and a large area of residential housing.
	South	South of the Site lies further industrial units, a railway line, and agricultural land.
	East	East of the Site lies a recreational green space.
	West	West of the Site are further industrial units.

3.2 GEOLOGY

According to the British Geological Survey (BGS) 1:50,000 mapping (Sheet 262, Cantrill et al. (1901)), the geology comprises superficial head deposits and alluvium over Mercia Mudstone in the south of Site. To the north, likely separated by a fault running in close proximity to the Site, the alluvium is underlain by limestone and mudstone interbedded bedrock geology of St Mary's Well Bay Member.

The BGS Onshore Geoindex indicates one historical borehole (reference SS88SW154) within 0.7km (east) of the Site presented in Appendix C. It records the following sequence of strata:

- 0.15m thickness of Topsoil
- 0.25m thickness of Alluvium
- 1.7 thickness of Head deposits
- 2.15m thickness of Glacial silts and clays (lacustrine deposits)
- 0.2m+ thickness of St Mary's Well Bay Member (base not proven).

3.3 HYDROLOGY

3.3.1 Surface water

The main waterbody in the area is the Afon Fach river located approximately 100 m to the south of the Site. A series of drains run across the industrial estate feeding into the Afon Fach, one such drain is noted to run parallel to the Site, approximately 60 m to the east.

3.3.2 Flooding

The northern extent of the Site is classified as high to medium flood risk from rivers by Natural Resources Wales (Zone C2).

3.3.3 Groundwater flooding

According to the BGS, there is the potential for groundwater flooding to occur at the Site, located in the north east quadrant. There is also groundwater flooding potential to the north and south of the Site (<250m).

3.4 HYDROGEOLOGY

In accordance with Natural Resource Wales classifications, the superficial Alluvium on Site is classified as a Secondary A aquifer, while the superficial Head Deposits are classified as Secondary undifferentiated. St Mary's Well Bay Member is classified as a Secondary A aquifer. The groundwater vulnerability in the area is medium to low.

3.5 SITE HISTORY

A review of historical Ordnance Survey (OS) mapping of the Site (1:2,500, 1:10,560 and 1:10,000 scale) has been undertaken. The historical mapping is presented as Appendix D with salient observations summarised in Table 3-2:

Table 3-2 Summary of Site history

Epoch	Details	Development consideration
1876-1889	These maps are the earliest available OS mapping coverage for the area. They show the Site to be situated within an agricultural field, with no notable surrounding developments. A spring line is noted to the north west of the Site and a railway track directly south. In the wider area (250m->1km) the land usage is similarly dominated by agriculture.	None arising from land usage.
1889 - 1964	Between 1889 and 1964 the railway line bifurcates into two joining tracks and a small reservoir has been built further south.	As above.
1964 - 1969	This mapping shows no change of land use within Site boundaries, but wider changes in the 1km area around the Site. To the north, allotment gardens have been constructed along with the Cynffig comprehensive school in the north east. In 1964 a clothing factory has been constructed adjacent to the railway line south west of the Site.	As above.

1978 - 1984	The Site is now labelled as a depot. The surrounding area has been developed into the Village Farm Industrial Estate. By 1984 a small depot building has been constructed on the western perimeter.	Potentially contaminative (commercial/ industrial) land uses are noted directly on Site.
1993 - 1995	The industrial estate surrounding the Site has been further expanded. By 1995 three more buildings have been constructed on Site in the north east, north west and south west corners.	Potentially contaminative land uses immediately adjacent to, surrounding, and on Site.
1999 - current	These maps show no further changes in specific land use within the Site boundaries and limited changes in the surrounding area with an increase in industrial units to the south.	Potentially contaminative land uses in the surrounding areas.

3.6 ANECDOTAL INFORMATION

Anecdotal information provided by the Client detailed the Site to previously have been occupied by Veolia Water and, more recently, a concrete delivery firm. The Client reports a lack of consistency between the latest available topographical survey (2014) and ground elevations proven upon taking possession of the Site prior to works commencing.

The topographical survey for the Site, dated 2014, details a second building as present, in the north-west corner of the Site. No above-ground evidence of this remains.

3.7 ENVIRONMENTAL DATABASE SEARCH

An environmental database (Envirocheck) report (ref: 268881352_1_1) has been reviewed as part of this study (see Appendix E) with salient details summarised in Table 3-3.

Table 3-3 Environmental database report summary

Nr	Nearest distance	Land use / permitted activity / authorisation	Development consideration
2	40-232m (SW and W)	Local authority pollution and prevention control – relating to quarry processes and manufacture of timber.	None
2	212-238m (W)	Water discharge consent – sewage discharge into a freshwater stream and/or river and unspecified discharge.	Direct discharges to watercourses in the area surrounding the Site.
9	3-272m (NE, NW, E, SE, SW, S, W, NW	Pollution incidents to controlled waters – all minor incidents bar one significant incident related to direct discharge of coal solids in 1995.	Spillages and direct discharge to watercourses in the area surrounding the Site albeit 25 years ago.
2	72-238m (S and SE)	Prosecutions relating to authorised processes – depositing and burning wastepaper along with operating an illegal waste transfer station.	None

2	74-119m (SW and W)	(Effective) Licenced waste management facilities – taking non-biodegradable waste and HCI waste.	Potentially contaminative land usage in the wider area

3.8 GEO-HAZARDS

The Envirocheck report provided in Appendix E also includes information from the British Geological Survey (BGS) on geo-hazards which are summarised in Table 3-4.

Table 3-4 Summary of Geo-Hazards

Ground Stability Hazards	*Collapsible ground*	No Hazard
	Compressible ground	Moderate
	Ground dissolution	Very Low
	Landslide ground	Very Low
	Running sand	Low
	Shrinking or swelling clay	Very Low
Coal mining	The Site falls just inside the southern edge of the south Wales coal mining reporting area. The BGS Coal Authority interactive viewer suggests there are no mine entries within >1km and no evidence to suggest historic or probable shallow coal workings. Therefore the Site falls in a 'Development Low Risk Area'.	
Radon	The property is in an intermediate probability radon area 3-5% of homes are estimated to be at or above the Action Level. Therefore, basic radon protective measures are necessary in the construction of new dwellings or extensions.	

3.9 UXO RISK ASSESSMENT

From Zetica UXO online mapping, the Site has been deemed to be at Low Risk from all forms of Unexploded Ordnance. With Zetica stating 'No records have been found indicating that the Sites were not bombed, and no other significant military activity has been identified on the Sites.'. No specific actions are required when a Site is designated a low UXO risk, however industry good practice should be followed during intrusive investigation. This constitutes 'raising awareness of those involved in excavations so that in the unlikely event that a suspect item is discovered, appropriate action is taken'.

4 Fieldwork

4.1 HEALTH AND SAFETY

A site-specific health and safety plan was produced by Yellow Sub, complete with risk assessments and method statements to cover the scope of the proposed fieldworks.

As principal contractors, Walters procured service plans and cleared each exploratory position to confirm the absence of underground services.

4.2 FIELDWORK UNDERTAKEN

The Site investigation was undertaken on 20th November 2020 and comprised:

- Excavation of 10No. trial pits (TP01 to TP09 and TP03a) to a maximum depth of 3.2m below ground level (m bgl) terminating in natural strata;
- Sampling of representative soils and groundwater by Yellow Sub; and,
- Logging of trial pits in accordance with BS5930:2015+A2 2020.

Engineering logs for all exploratory holes are provided in Appendix G and encountered ground conditions are discussed in Section 5. The locations of the exploratory positions are shown on Drawing 20241_R1_02.

Trial pits were targeted at;

- The area around that where deleterious materials were encountered (towards the western end of the new skip-bay structure), and;
- To provide good geographical coverage of the Site, focussing on those locations where excavations are to be required to install further foundations and drainage.

4.3 LABORATORY ANALYSIS

Eighteen selected soil and three groundwater samples were subjected to the following suite of chemical testing at a UKAS & MCERTS accredited laboratory. Soil samples were selected to be representative of the ground conditions identified including targeted areas noted during previous phases of work by others. Results of the testing are presented in Appendix F.

Table 4-1 Chemical laboratory testing

Contaminant	No. of tests scheduled	
	Soil	Groundwater
Asbestos ID	18	
Heavy metals (As, Be, B, Cd, Cr, Cr (VI), Cr (III), Cu, PB, Hg, Ni, SE, V, Zn)	18	3
Inorganics (CN, pH, water soluble SO_4)	18	3
Inorganics (NH_4, NH_3, SO_4, CN, Cl)	18	3
Fraction of organic carbon	18	
Phenol	18	3
TPHCWG ali/ aro split	18	3
PAH (USEPA 16)	18	3

BTEX (benzene, toluene, m-xylene, o,p-xylene, ethylbenzene, MTBE)	18	3
WAC testing	10	

5 Ground conditions

The location of exploratory positions is shown on Drawing 20241_R1_02. Engineering logs for these positions are presented in Appendix G.

5.1 ENCOUNTERED GROUND CONDITIONS

Encountered ground conditions are summarised as follows:

- Made Ground (granular): This typically comprised cobbles and boulders of brick and concrete. Gravel components are fine to coarse sub-angular brick, sandstone, and limestone, with occasional wire, plastic fragments and mortar noted. The Made Ground ranged in thickness from 0.1m to 0.5m. In TP06 the Made Ground comprised a concrete slab at 0.6m bgl.
- Made Ground (PFA): Layers of pulverised fuel ash (PFA) were noted to be of greater thickness than the overlying granular Made Ground in all exploratory holes (except for TP06). The PFA ranged in thickness from 0.15m to 1.5m. Typically, dark grey in colour comprising a very sandy silt with occasional cobbles and boulders of concrete.
- Relict topsoil: Noted in three exploratory holes, relict topsoil comprised thin layer (0.1m to 0.2m) of humic reeds and rootlets with a rotting vegetation smell. Relic vegetation was encountered at the top of the alluvium in all of the trial pits that extended beneath the base of the made ground.
- Alluvium: Encountered in seven out of ten exploratory holes, the Alluvium typically comprised very soft, mottled orange, brown slightly sandy clay ranging to slightly clayey silty sand and occasional rootlets noted. The thickness of the alluvium ranged between 0.3m and 1.4m, with several of the trial pits terminating in the Alluvium.
- Head Deposits: Encountered in two exploratory holes (TP08 and TP09), the Head Deposits comprised firm to stiff brown, grey and orange gravelly clay with sub-rounded to sub-angular medium to coarse components of Mercia Mudstone along with green siltstone and mudstone.

The St Mary's Well Bay Member was not identified in any of the trial pits.

5.2 GROUNDWATER

5.2.1 Strikes

All trial pits were terminated in natural soils and no groundwater was noted in seven out of ten pits excavated. TP05 and TP06 encountered pooled water at approximately 0.8 mbgl, suggesting perched water trapped within the concrete structures/ footings encountered in both pits (both of which were in the area of the demolished building in the north-west of the Site).

5.2.2 Sampling

Two samples of groundwater were obtained during the trial pitting on 20th November 2020. One was obtained from a sump formed by the Client to dewater the base of the foundation excavation towards the eastern end of the skip-bay structure. The other was taken from TP05. In each case, the sample was obtained with dedicated bailer.

5.3 VISUAL AND OLFACTORY EVIDENCE OF CONTAMINATION

There was no evidence of significant or gross impact to soils or groundwater encountered within any of the exploratory positions. An organic decomposition odour was noted in TP02, TP07 and TP09 from decaying humic vegetation in the relict topsoil.

Ponded water in TP05 and TP06 did not have any olfactory evidence of contamination. A slight scum had formed on the water surface, probably associated with the PFA encountered at similar depth to the water table.

The deleterious materials noted by the Client in samples 4 and 5 were not identified in the ten pits excavated by Yellow Sub. Three trial pits, TP03, TP03a and TP09, were excavated in the same area as samples 4 and 5, but no evidence of visual or olfactory soil contamination was observed.

5.4 OBSTRUCTIONS AND BURIED INFASTRUCTURE

A concrete slab was encountered in both TP05 and TP06, most likely associated with the former building in this location.

6 Land Quality Assessment: Tier 2 Screening Assessment

6.1 METHODOLOGY

This section presents the assessment undertaken to establish the potential risks presented to the health of Site end-users from possible contamination at the Site.

To enable an assessment of potential risks from possible contamination present at the Site, the methodology presented in Land Contamination Risk Management (LCRM) (EA, 2020) has been followed. LCRM provides a framework for risk assessment and follows a tiered process, with each subsequent tier involving a higher degree of input into the assessment. This approach is outlined below.

Tier 1 – Preliminary Risk Assessment

This stage involves the development of a conceptual model for the Site and the identification of possible contaminant source-pathway-receptor relationships (pollutant linkages). The Tier 1 assessment is presented within Section **Error! Reference source not found.** of this report.

Tier 2 – Generic Quantitative Risk Assessment (GQRA)

The purpose of a generic quantitative risk assessment is to establish whether generic assessment criteria (GAC) and assumptions are appropriate for quantitatively assessing risks from identified pollutant linkages and, if so, to apply them to establish whether potentially unacceptable risks are present.

Tier 3 – Detailed Quantitative Risk Assessment (DQRA)

The purpose of detailed quantitative risk assessment is to establish and use more detailed site-specific information and criteria to decide whether there are unacceptable risks. This may involve the development of site-specific assessment criteria (SSAC) which are derived using detailed site-specific information on the characteristics and behaviour of contaminant pathways and receptors. A Tier 3 assessment is outside the scope of this report however, where appropriate, recommendations for further assessment have been made.

In the case of contaminant concentrations in soils, these are designed to be protective of human health and have been derived using generic assumptions about exposure scenarios. In the case of groundwater, these comprise the required water quality standards at the receptor, be that at a drinking water tap or in an aquatic water body. The following text presents a Tier 2 risk assessment, with the purpose of identifying potential constituents of concern (CoC), that is; a contaminant recorded to exceed the published criteria. At this stage, the identification of a CoC does not necessarily indicate a need for mitigating action, but rather indicates a need for subsequent further assessment.

6.2 HUMAN HEALTH AND SOILS

A total of 18No. soil samples were submitted for laboratory analysis of their chemical content, selected to be representative of the ground conditions at the Site and to meet the rationale in Section 2.3. The results of this testing are presented in Appendix F.

In order to determine a potential risk posed to human health by soils, a number of organisations have published screening criteria, or General Acceptance Criteria (GACs) representative of low risk in a range of land-use scenarios. In the context of the proposed CRC development and its future workers, the **commercial/ industrial land-use scenario** has been selected for comparison with the soil analysis results. In order of priority, the following sources have been used to provide GACs:

- Category 4 screening levels (Defra, 2014[1])
- Safe for Use Levels (S4ULs) (LQM/ CIEH, 2015[2]

6.2.1 Tier 2 Human Health screening assessment

Following comparison of the results of all soil samples taken at the Site and submitted for laboratory analysis with GACs protective of a commercial/ industrial land-use, no exceedances were identified.

One trace amount of asbestos fibres or asbestos containing material was recorded (TP2ES01) in the eighteen samples tested (<0.001%).

In addition, the screening of data collected and provided by the Client against the same commercial/ industrial land-use GACs identified no exceedances.

6.3 WIDER ENVIRONMENT SCREENING ASSESSMENT

The two 'grab' water samples (see Section 5.2.2) obtained during the site investigation on 20th November were analysed for a selected range of determinands in accordance with Table 4-1. The results have been screened against published Environmental Quality Standards (EQS) and Drinking Water Standards (DWS), sourced from the Environment Agency Chemical Standard Database. For those contaminants that have both EQS and DWS, the more conservative (i.e. lower) of the two values has been used.

It should be noted that these standards are for use in protecting and regulating water quality in rivers and at the point of consumption. As such, their direct comparison with groundwater is inherently very conservative. This initial screen of data is therefore undertaken to identify potential CoCs, but the presence of such is not necessarily indicative of the need for further action.

This represents a conservative Tier 2 screen of the data which is summarised in Table 6-1.

Table 6-1 Summary of water sample Tier 1 screening of laboratory results

Determinand	Unit	LOD*	Sump water	TP5	Screening limit	Source
Ammoniacal Nitrogen as NH3	mg/l	<0.2	0.925	<0.2	0.025	EQS
Ammoniacal Nitrogen as NH4	mg/l	<0.3	0.98	<0.3	0.5	DWS
Arsenic (diss.filt)	µg/l	<0.5	1.79	18.1	10	DWS
Cadmium (diss.filt)	µg/l	<0.08	<0.08	0.103	0.08	EQS
Copper (diss.filt)	µg/l	<0.3	2.64	5.45	1	EQS

[1] CL:AIRE/ Defra 2014. SP1010 – Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination. Defra.

[2] Nathanail et al. 2015. The LQM/CIEH S4ULs for Human Health Risk Assessment. Land Quality Press, Nottingham.

Determinand	Unit	LOD*	Sump water	TP5	Screening limit	Source
Lead (diss.filt)	µg/l	<0.2	<0.2	6.04	4	EQS
Zinc (diss.filt)	µg/l	<1.0	11.8	12.4	8	EQS
Benzene	µg/l	<7	<7	<7	10	DWS
Aliphatics >C12-C16 (aq)	µg/l	<10	24	<40	10	DWS
Aliphatics >C16-C21 (aq)	µg/l	<10	148	<40	10	DWS
Aliphatics >C21-C35 (aq)	µg/l	<10	98	<40	10	DWS
Aromatics >EC12-EC16 (aq)	µg/l	<10	<10	<40	10	DWS
Aromatics >EC16-EC21 (aq)	µg/l	<10	18	<40	10	DWS
Aromatics >EC21-EC35 (aq)	µg/l	<10	11	<40	10	DWS
Benzo(b)fluoranthene (aq)	µg/l	<0.005	0.0541	0.0539	0.03	EQS
Benzo(a)pyrene (aq)	µg/l	<0.002	0.0324	0.0304	0.03	DWS
Benzo(g,h,i)perylene (aq)	µg/l	<0.005	0.0338	0.0486	0.0002	DWS
Indeno(1,2,3-cd)pyrene (aq)	µg/l	<0.005	0.0303	0.0276	0.0002	DWS

* Limit of detection

As noted above in Section 5.2.1, during the site investigation, most of the trial pits were either dry or contained insufficient levels of water to obtain a grab sample. TP5 was inundated quickly resulting in the trial pit being abandoned which suggests this was a confined perched body of water pooled within a buried structure.

Site management have confirmed that excavations need to be pumped following periods of rainfall, but that there is not a consistent groundwater "table" on Site. With the exception of TP05 and TP06, the trial pitting confirmed the lack of a groundwater body, with trial pits remaining dry during excavation. Within the foundation excavations already formed, some evidence of pooled water was seen at the base of the granular made ground and, to a lesser extent, on the base of the PFA. In both cases, water seeps were slow and very small scale.

Based on the above, and similar variable strikes recorded by SLR, the evidence suggests that the body of water in the Made Ground is discontinuous, and likely forms a series of ponded and perched pools on the upper surface of the Alluvium.

However, several CoCs have been identified within the water samples associated with the Made Ground including heavy metals, petroleum hydrocarbons and poly-aromatic hydrocarbons (PAHs).

Several heavy metals have been recorded above the conservative criteria used. Whilst these may be attributable to previous Site uses, it is considered possible that they may also be representative of 'leached' concentrations from the PFA which is present across the Site and which exhibited variable concentrations in the soil samples analysed.

PAHs are typically associated with incomplete combustion or degradation of organic materials. They could be attributable to natural organic matter within the soil, but equally could be attributable to the Made Ground (including the presence of PFA) or impact from previous Site operations.

Petroleum hydrocarbon CoCs within the Made Ground are within the diesel range and mineral oil range bands. Given the location of the Site, it is possible that the presence of hydrocarbons in the shallow groundwater may be attributable to previous Site operations and equally may

be typical of 'background' concentrations due to the location of the Site within a larger industrial estate which has been present since at least the mid to late 1960s.

Exceedances of ammoniacal nitrogen may equally be attributable to natural sources. Pyle lies within a predominantly rural area, and it is possible that this is representative of regionally high ammonia and nitrate in groundwater associated with agricultural practices.

7 Land quality assessment: conceptual model and risk assessment

7.1 CONCEPTUAL SITE MODEL

In light of the Tier 2 assessment set out in Section 6, the following section draws together the relationship of identified sources, viable pathways and environmental receptors in order to define a conceptual site model for the ground conditions beneath the Site.

7.1.1 Sources

The key identified potential contaminant sources are summarised as follows and taken forward the risk assessment table in Section 7.2 **Error! Reference source not found.**.

7.1.1.1 On-Site source potential

1. **Historical Site (including Made Ground and presence of PFA)** – No visual or olfactory evidence of gross contamination was noted during the site investigation. However, Made Ground was identified across the Site including a ubiquitous layer of PFA. Analysis of 18No. (and 6No. additional samples from the Client) indicated no exceedances of the GACs with respect to human health in a commercial/ industrial setting.
   Notwithstanding the above, trace (<0.001%) asbestos fibres were detected in one sample. There is no published, defined "safe" level for asbestos in soils, but quantification is usually only required for more than trace levels present in areas of the Made Ground. Therefore, the contaminant source potential within the made ground soils is assessed to be of a low order.
2. **Perched water in the made ground on site**– groundwater sampled from TP5 and the sump on site has been analysed to contain several CoCs are summarised in Table 6-3 above.
3. **Relic topsoil as a source of landgas** – the organic-rich topsoil and relic vegetation represents a potential source of landgas.

7.1.1.2 Off-Site source potential

4. **On-site migration from off-site sources** – the Site is situated within a large light-industrial estate. As such, there are possible source of contamination on adjacent and nearby sites, dependent upon their precise nature and history. The likelihood of a large source potential is considered limited due to the lack of historical map evidence of heavy industrial usage.

7.1.2 Pathways

7.1.2.1 Human health

Pathways are considered to exist between the above sources and construction workers and future (CRC employees and members of the public) human users of the Site. These comprise:

- direct contact (dermal, ingestion, inhalation of dust) (for construction workers only, as proposed development is all hardstanding); and,

- inhalation of gasses/ vapours emanating from soil, organic matter, or dissolved phase sources (indoor and outdoor).

At present, the potential for direct human contact with sub-surface soils is possible due to the presence of exposed soils during the construction process . The proposed development will be 100% capped in concrete hardstanding which will act to mitigate the potential for direct interaction. In addition, , due to the controlled public access and managed nature of the Site, the actual potential for direct interaction with soils is very limited.

7.1.2.2 Wider environment

The key pathway for contaminant migrations is considered to be;

- Surface water run-off of contaminants into nearby surface water bodies via the gullies in the adjacent road network or via the new installed on-site drainage (currently under construction);
- Leaching and downwards/ lateral migration of dissolved and free-phase contamination. Under current Site conditions, leaching will be limited to remaining within the Made Ground by the presence of low permeability Alluvium and Head beneath. Upon completion of construction, the potential for infiltration and leaching will be almost eliminated, due to the presence of 100% hard cover..

Pathways for migration of contamination within and away from site are considered to be extremely limited, due to the lack of shallow groundwater table and due to the low permeability nature of natural soils.

7.1.3 Receptors

The key identified potential receptors are summarised as follows and covered within the risk assessment table in Section 7.2 below.

- Construction workers;
- Future Site users (CRC employees and members of the public);
- Afon Fach River, approximately 100m south of the Site and the associated drainage network (nearest located 60m from the Site); and,
- Secondary A and undifferentiated aquifers beneath the Site (St. Mary's Well Bay Member and Alluvium/ Head respectively.

7.2 PRELIMINARY RISK ASSESSMENT

A summary of the potential contaminant linkages associated with the Site is presented in Table 7-1, alongside an assessment of the risks posed by each linkage. The contaminant linkages have been assessed using the risk assessment methodology described in CIRIA C552 (2001). As such, risk is considered to be a function of both the probability (likelihood) of contamination occurring at the study site and also the potential severity (consequence) of the environmental impacts associated with any such contamination. The classification system used to define contaminant probability, consequence and risk is described in Appendix I.

The final column of Table 7-1 provides a brief commentary on the recommended requirement for and scope of risk management and/ or remediation.

Table 7-1 Pollutant linkage assessment

Sources	Pathways	Receptors	Consequence	Probability	Risk	Risk management / remediation
Made Ground including PFA	**Direct human contact exposure pathways** (Dermal, ingestion, inhalation)	Construction workers	Minor	Likely	Low Risk	Elevated concentrations of chemical species have not been identified at the Site. Furthermore, as part of the redevelopment a replacement concrete slab will be constructed at the surface which will prevent exposure of the subsurface to receptors. The short-term risks presented to construction/maintenance workers from exposure to the subsurface may be mitigated through the adoption of safe methods of working including the use of appropriate PPE.
		Future Site users (Operational phase)	Minor	Unlikely	Very Low Risk	
	Operational phase Leaching and/or water mobile constituents migrating through permeable sub-surface soils and/or shallow preferential pathways	Surface Water (drainage network)	Mild	Unlikely	Very Low Risk	None required.
		Afon Fach River	Mild	Unlikely	Very Low Risk	
		Secondary A & B Aquifers	Minor	Low Likelihood	Very Low Risk	
	Construction phase Leaching and/or water mobile constituents passing through permeable sub-surface soils and/or shallow preferential pathways	Surface Water (drainage network)	Mild	Likely	Moderate/ low Risk	Potential construction phase risks have been mitigated by deployment of a geo-environmental engineer, use of a holding tank to enable analysis of groundwater prior to discharge to sewer and close liaison with Welsh Water.
		Afon Fach River	Minor	Unlikely	Very Low Risk	
		Secondary A & B Aquifers	Mild	Low Likelihood	Low Risk	
		Construction workers	Mild	Low Likelihood	Low Risk	

Sources	Pathways	Receptors	Consequence	Probability	Risk	Risk management / remediation
	Migration of gases and/ or vapours through permeable subsurface materials and/ or preferential pathways	Future Site users (Operational phase)	Mild	Low Likelihood	Low Risk	None required. Whilst a thin (0.25 m) layer of relic topsoil and vegetation was identified during the trial pitting, the current redevelopment does not include any new enclosed structures, it being an above ground and open air CRC.

8 Conclusions and recommendations

This report provides a combined Phase 1 and Phase 2 land quality assessment of the Site, following the discovery of potentially contaminated materials (deleterious materials) by the Client in their role as Main Contractor for the project.

The deleterious materials encountered by the Client were in the area of the foundation excavation for the new skip-bay structure, west of its centre point. Three trial pits excavated around and within 5 metres of this material failed to discover any further such material.

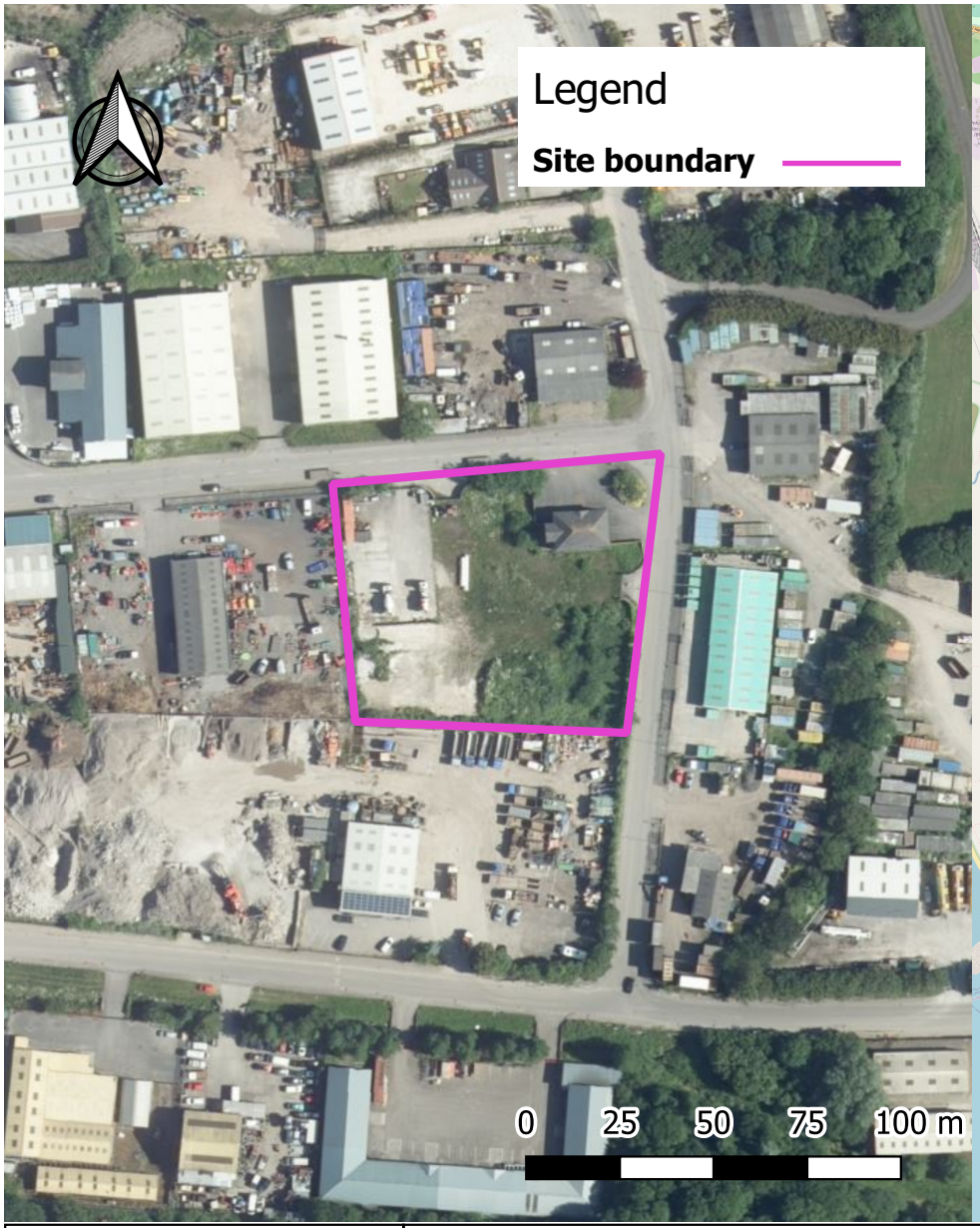
A total of ten trial pits were excavated across the Site, eight of which extended into natural strata. Laboratory analysis of twenty-two soil samples taken to date indicate contaminant concentrations below the respective screening values protective of human health in a commercial/ industrial setting. **Risks to future users** has therefore been assessed to be **VERY LOW**.

Some contaminants are present within the made round on site. **Risks to construction workers** are assessed as **LOW RISK**, and measures are in place to protect construction workers.

The **risks posed to the wider environment** are assessed to be of a **VERY LOW** order, due to the proposed 100% hard standing of the development, the prevalence of low permeability soils beneath the Site and the lack of a coherent or laterally persistent groundwater body beneath the Site.

This risk is assessed to be **temporarily elevated during construction to a MODERATE TO LOW** order. This is due to the exposure of soils and the requirement to dewater rainwater from excavations to public sewer. This risk is being mitigated by the client, with a geo-environmental engineer being employed in a watching brief, pumped waters being assessed for contaminant impact and held pending laboratory analysis if required. The Client has been in close liaison with Welsh Water throughout to ensure the terms of the discharge consent continue to be complied with.

Figures



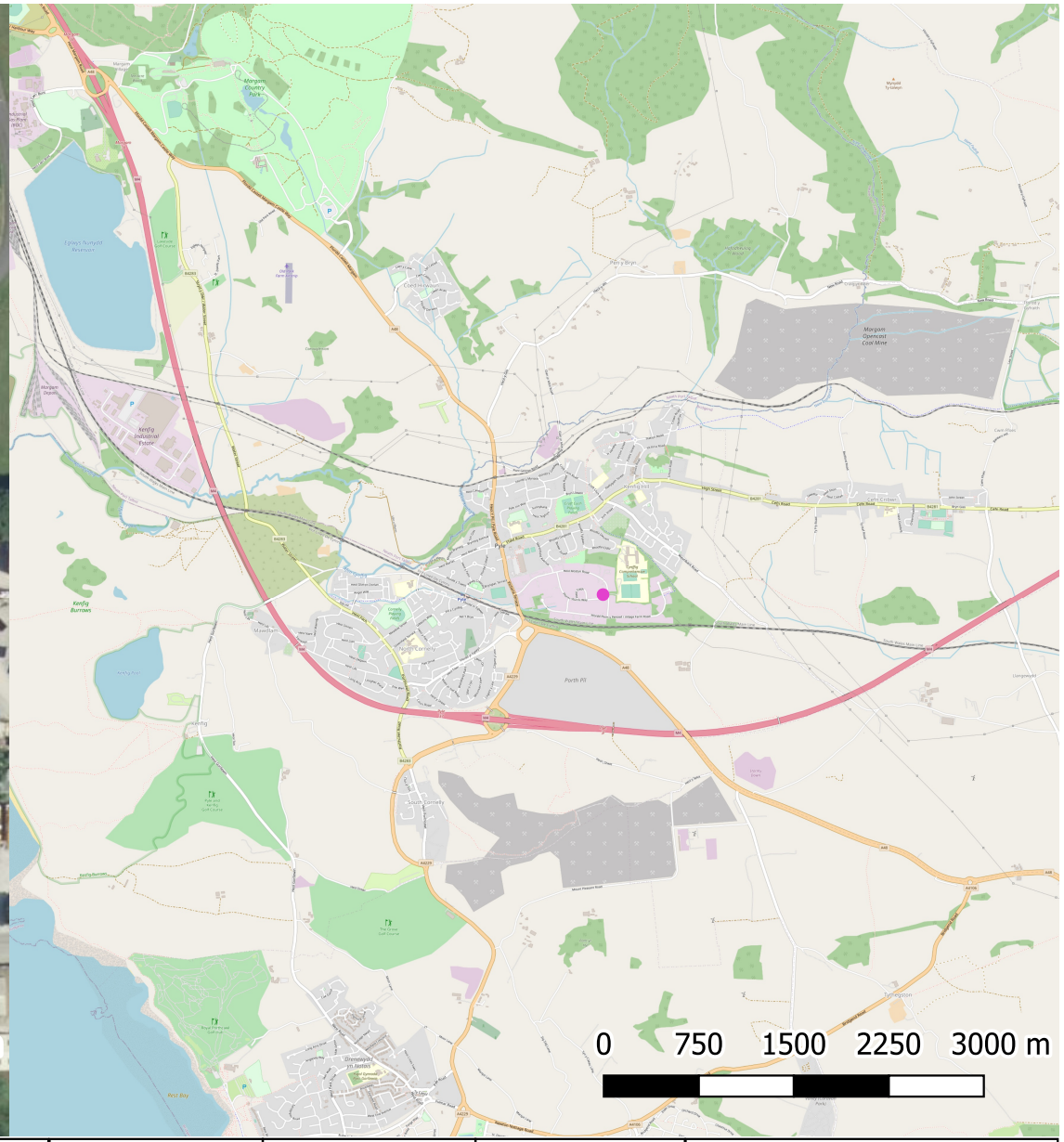


	Figure Title Site location - 40B Sturmi Way, Pyle	Client Walters U.K. Ltd.	Date 11/12/2020	Drawn ACW	
		Drawing Number 20241_R1_01	Scale 1:1	Checked JEM	
			Original A4	1	
		Project Number 20241	Bristol Waste Depot, Hartcliffe		

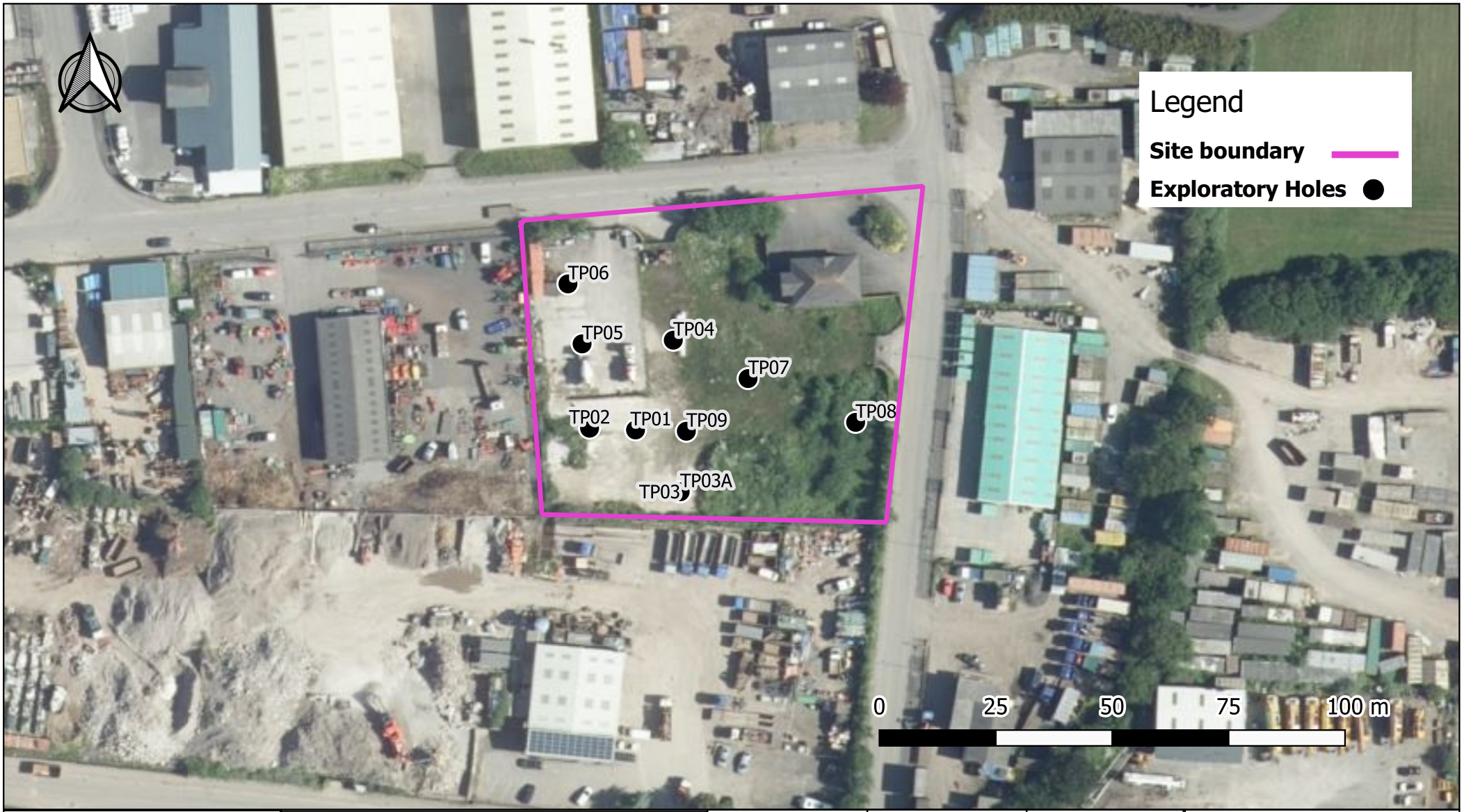


	Figure Title Planned exploratory hole locations,40B Sturmi Way	Client Walters U.K. Ltd.	Date 11/12/2020	Drawn ACW	
		Drawing Number 20241_R1_02	Scale 1:1	Checked JEM	
			Original A4	1	
		Project Number 20241	40B Sturmi Way, Pyle		

Appendices

Appendix A: Report Conditions

Report Conditions

This report has been prepared by Yellow Sub Geo Ltd. (Yellow Sub Geo) in its professional capacity as soil and groundwater specialists, with reasonable skill, care and diligence within the agreed scope and terms of contract and taking account of the manpower and resources devoted to it by agreement with its client, and is provided by Yellow Sub Geo solely for the internal use of its client.

The advice and opinions in this report should be read and relied on only in the context of the report as a whole, taking account of the terms of reference agreed with the client. The findings are based on the information made available to Yellow Sub Geo at the date of the report (and will have been assumed to be correct) and on current UK standards, codes, technology and practices as at that time. They do not purport to include any manner of legal advice or opinion. New information or changes in conditions and regulatory requirements may occur in future, which will change the conclusions presented here.

Where necessary and appropriate, the report represents and relies on published information from third party, publicly and commercially available sources which is used in good faith of its accuracy and efficacy. Yellow Sub Geo cannot accept responsibility for the work of others.

Site investigation results necessarily rely on tests and observations within exploratory holes only. The inherent variation in ground conditions mean that the results may not be representative of ground conditions between exploratory holes. Yellow Sub Geo take no responsibility for variation in ground conditions between exploratory positions.

This report is confidential to the client. The client may submit the report to regulatory bodies, where appropriate. Should the client wish to release this report to any other third party for that party's reliance, Yellow Sub Geo may, by prior written agreement, agree to such release, provided that it is acknowledged that Yellow Sub Geo accepts no responsibility of any nature to any third party to whom this report or any part thereof is made known. Yellow Sub Geo accepts no responsibility for any loss or damage incurred as a result, and the third party does not acquire any rights whatsoever, contractual or otherwise, against Yellow Sub Geo except as expressly agreed with Yellow Sub Geo in writing. Yellow Sub Geo reserves the right to withhold and/ or negotiate the transference of reliance on this report, subject to legal and commercial review.

Appendix B: Planning Decision Notice

Cyngor Bwrdeistref Sirol Pen-y-bont ar Ogwr
Bridgend County Borough Council

Swyddfeydd Dinesig, Stryd yr Angel, Pen-y-bont, CF31 4WB / Civic Offices, Angel Street, Bridgend, CF31 4WB

Planning Reference No.: **P/14/38/BCB**

TOWN AND COUNTRY PLANNING ACT 1990
TOWN AND COUNTRY PLANNING (DEVELOPMENT MANAGEMENT PROCEDURE) (WALES) ORDER 2012

PERMISSION FOR DEVELOPMENT

To:

BCBC Communities Directorate
c/o Street Scene
Civic Offices
Angel Street
Bridgend
CF31 4WB

Whereas you did on the 23 January 2014 make application in writing for permission to develop, short particulars of the development being as follows:

Applicant Name : **BCBC Communities Directorate**
Development : **Change of use to household waste recovery centre**
Location : **40B Sturmi Way Village Farm Ind Estate Pyle CF33 6BZ**

BRIDGEND COUNTY BOROUGH COUNCIL as the Local Planning Authority, hereby PERMIT the proposed development to be carried out in accordance with the plans (if any) submitted with the said application, subject to the development being begun on a date which is not later than five years from the date of this permission and subject also to compliance with the condition(s) specified below:

CONDITIONS

1. The development shall be carried out in accordance with the following approved plans:
Site Location Plan – Drwg. No. 002 Rev. 0 (received on 23 January 2014)
Proposed Site Layout Plan – Drwg. No. 004 Rev. C0 (received on 10 September 2018)
Proposed Drainage Layout – Drwg. No. 010A Rev. C0 (received on 10 September 2018)
Proposed Services and Duct Layout – Drwg. No. 011 Rev. C0 (received on 10 September 2018)
Traffic Signs and Road Markings Plan – Drwg. No. 012 Rev. C0 (received on 10 September 2018)
Retaining Wall Elevations – Drwg. No. 014 Rev. C0 (received on 10 September 2018)
Proposed Canopy Layout – Drwg. No. 021 Rev. C0 (received on 10 September 2018)
Hardstanding Construction Details – Drwg. No. 026 Rev. C0 (received on 10 September 2018)
Proposed Building Layout – Drwg. No. 028 Rev. C0 (received on 10 September 2018)
Proposed Office and Reuse Elevations – Drwg. No. 007 Rev. 0 (received on 23 January 2014)
Proposed Operators Shelter Elevations – Drwg. No. 009 Rev. 0 (received on 23 January 2014)
Construction Details – Drwg. No. 010 Rev. 0 (received on 23 January 2014)

   Reason: To avoid doubt and confusion as to the nature and extent of the approved development.

2. No development shall commence on site until a scheme for the comprehensive and integrated drainage of the site, showing how road and roof/yard water will be dealt with, including future maintenance requirements, has been submitted to and agreed in writing by the Local Planning Authority. The agreed scheme shall be implemented prior to beneficial use commencing.

   Reason: To ensure that effective drainage facilities are provided for the proposed development and that flood risk is not increased.

3. The loading, unloading, turning and parking areas shall be completed in permanent materials with the individual bays/spaces clearly demarcated in permanent materials in accordance with the approved layout prior to the development being brought into beneficial use and shall be retained and maintained as such thereafter in perpetuity.

Reason: To ensure a satisfactory form of development in the interests of highway safety.

4. Prior to the beneficial use of the site, details of a lighting scheme shall be submitted to and agreed with the Local Planning Authority. The scheme shall include the following information:
   - a plan showing the location, height and orientation of the lights, as well as the form and type of lights to be erected and at which locations
   - the operational hours

   Upon approval in writing, the details shall be implemented as agreed and thereafter the development shall be operated in accordance with the approved details and retained as such in perpetuity.

   Reason: To preserve the amenities of adjoining occupiers.

5. No development shall take place until a detailed specification for, or samples of, the materials to be used in the construction of the external surfaces of the facility hereby permitted have been submitted to and agreed in writing by the Local Planning Authority. Development shall be carried out in accordance with the agreed details.

   Reason: To ensure that the proposed materials of construction are appropriate for use on the development so as to enhance and protect the visual amenity of the area.

6. In the event that contamination is found at any time when carrying out the approved development that was not previously identified it must be reported in writing within 2 days to the Local Planning Authority, all associated works must stop and no further development shall take place until a scheme to deal with the contamination found has been approved. An investigation and risk assessment must be undertaken and where remediation is necessary, a remediation scheme and verification plan must be prepared and submitted to and approved in writing by the Local Planning Authority. Following completion of measures identified in the approved remediation scheme a verification report must be submitted to and approved in writing by the Local Planning Authority. The timescale for the above actions shall be agreed with the Local Planning Authority within 2 weeks of the discovery of any unsuspected contamination.

   Reason: To ensure that any unacceptable risks from land contamination to the future users of the land, neighbouring land, controlled waters, property and ecological systems are minimised and to ensure that the development can be carried out safely without unacceptable risks to workers, neighbours and other offsite receptors.

7. The Heol Mostyn/A48 junction improvements must be constructed and implemented prior to the CRC being brought into beneficial use. The junction improvements shall be carried out in accordance with a scheme that is to be submitted to and approved in writing by the Local Planning Authority.

   Reason: In the interests of highway safety and to ensure the free flow of traffic and to maintain the operational capacity of the highway network.

8. No structure, erection or planting exceeding 0.9 metres in height above adjacent carriageway level shall be placed within the required vision splay areas of all accesses/exits at any time.

   Reason: In the interests of highway safety.

9. No development shall commence until a HGV Traffic & Delivery/Collection Plan has been submitted to and agreed in writing by the Local Planning Authority. All servicing and delivery/waste collection vehicles movements to the HWRC shall be made in accordance with approved HGV Traffic & Delivery/Collection Plan once the development is brought into beneficial use and retained thereafter.

   Reason: In the interests of highway safety and to ensure the free flow of traffic and to maintain the operational capacity of the highway network.

10. As identified in the submitted Transportation Assessment, the development within the application site shall be limited to the following land uses/parameters:

- no more than 31 skips/receptacles for recycling.
- up to 100sq m recycled goods retail
- up to 100sq m of office space

Reason: In the interests of the free flow and safety of traffic and to maintain the operational capacity of the network.

11. No development shall take place, including any works of demolition/site clearance, until a Construction Traffic Method Statement has been submitted to, and approved in writing by, the Local Planning Authority. The approved Statement shall be adhered to throughout the construction period. The Statement shall provide for:
    i. The routeing of HGV construction traffic to/from the site in order to avoid Heol Mostyn/A48 during peak network hours and Marshfield Road at all times
    ii. the parking of vehicles of site operatives and visitors
    iii. loading and unloading of plant and materials
    iv. storage of plant and materials used in constructing the development
    v. wheel washing facilities
    vi. measures to control the emission of dust and dirt during construction
    vii. the provision of temporary traffic and pedestrian management along Sturmi Way and Heol Mostyn

    Reason: In the interests of highway and pedestrian safety.

12. No development shall commence until a traffic management plan has been submitted to and approved in writing by the Local Planning Authority. The plan will seek to ensure that traffic does not queue onto the highway at any time when the site is in operation and shall include details of all the measures which will be used to achieve this object and all details of how the operation of the approved plan will be monitored. The approved plan shall be implemented upon the commencement of beneficial use of the site and reviewed on at least an annual basis to determine if the approved plan is working effectively and, if it is not working effectively, to agree what further measures are required which may include the imposition of Traffic Regulation Orders where it is deemed necessary. The traffic management plan shall remain in operation for as long as the site is in use.

    Reason: In the interests of highway safety.

13. No development shall commence until details of existing ground levels and proposed finished ground and floor levels have been submitted to and approved in writing by the Local Planning Authority. The development shall be carried out in accordance with the approved details.

    Reason: To ensure a satisfactory form of development.

14. No development shall commence until a scheme for the provision of directional signage directing traffic to the CRC has been submitted to and approved in writing by the Local Planning Authority. The scheme shall include for bilingual signage along the B4281 and the A48 corridors. The signage scheme shall be implemented in permanent materials before the development is brought into beneficial use.

    Reason: In the interests of highway safety.

15. * THE FOLLOWING ARE ADVISORY NOTES NOT CONDITIONS *

    Dwr Cymru Welsh Water has confirmed that the applicant may need to apply to Dwr Cymru Welsh Water for any connection to the public sewer under S106 of the Water Industry Act 1991. If the connection to the public sewer network is either via a lateral drain (i.e. a drain which extends beyond the connecting property boundary) or via a new sewer (i.e. serves more than one property), it is now a mandatory requirement to first enter into a Section 104 Adoption Agreement (Water Industry Act 1991). The design of the sewers and lateral drains must also conform to the Welsh Ministers Standards for Gravity Foul Sewers and Lateral Drains, and conform with the publication "Sewers for Adoption"- 7th Edition. Further information can be obtained via the Developer Services pages of www.dwrcymru.com

The applicant is also advised that some public sewers and lateral drains may not be recorded on Dwr Cymru Welsh Water's maps of public sewers because they were originally privately owned and were transferred into public ownership by nature of the Water Industry

Rainwater run-off shall not discharge into the highway surface-water drainage system. Failure to ensure this may result in action being taken under Section 163 of the Highways Act 1980.

The Highway Authority will require the Developer to enter into legally binding Section 111 Licence Agreement including an appropriate bond to secure the proper implementation of the proposed highway works and the adoption of the same as part of the maintainable highway. The commencement of the works on or abutting the existing maintainable highway will not be permitted until such time as the Agreement has been concluded.

The contamination assessments and the effects of unstable land are considered on the basis of the best information available to the Planning Authority and are not necessarily exhaustive. The Authority takes due diligence when assessing these impacts, however you are minded that:-

- determining the extent and effects of such constraints;
- ensuring that any imported materials (including, topsoils, subsoils, aggregates and recycled or manufactured aggregates/soils) are chemically suitable for the proposed end use. Under no circumstances should controlled waste be imported.
- it is an offence under Section 33 of the Environmental Protection Act 1990 to deposit controlled waste on a site which does not benefit from an appropriate waste management licence.
- the following must not be imported to a development site:-
  - *Unprocessed/unsorted demolition wastes.
  - *Any materials originating from a site confirmed as being contaminated or potentially contaminated by chemical or radioactive substances.
  - *Japanese Knotweed stems, leaves and rhizome infested soils. In addition to section 33 above, it is also an offence under the Wildlife and Countryside Act 1981 to spread this invasive weed;
- and the responsibility for the safe development and secure occupancy of the site

rests with the developer.

Proposals for areas of possible land instability should take due account of the physical and chemical constraints and may include action on land reclamation or other remedial action to enable beneficial use of unstable land.

The Local Planning Authority has determined the application on the basis of the information available to it, but this does not mean that the land can be considered free from contamination.

No surface water is allowed to discharge to the public highway.

No land drainage run-off will be permitted to discharge (either directly or indirectly) into the public sewerage system.

It is a requirement under Section 153 of the Highways Act 1980 that any gates must be located and fitted so as not to open out over the highway or footway.

Rainwater run-off shall not discharge into the highway surface-water drainage system. Failure to ensure this may result in action being taken under Section 163 of the Highways Act 1980.

No lorries associated with the construction of the site should enter or leave the site during the periods of half hour either side of the times school commencing and ending and contact the Head Teacher of Mynydd Cynfig Comprehensive In order to make the school aware of the additional traffic movements.

The Developer is reminded that consent under the Town and Country Planning Act 1990 conveys no approval under the Highways Act 1980 for works to be undertaken affecting any part of the public highway including verges and footways and that before any such works are commenced the developer must:

i. obtain the approval of Bridgend County Borough Council as Highway Authority to the details of

any works to be undertaken affecting the public highway;

ii. indemnify the County Borough Council against any and all claims arising from such works;

iii. give not less than one calendar months' notice in writing of the date that the works are to be commenced to the Policy, Development and Transport Team Leader, Bridgend County Borough Council, Civic Offices, Angel Street, Bridgend. Telephone No. (01656) 642541.

Dated: **9 May 2019** Signed:

Group Manager Planning & Development Services

YOUR ATTENTION IS DRAWN TO THE FOLLOWING (some of which may not be applicable):-

a. Please note that this consent is specific to the plans and particulars approved as part of the application. Any departure from the approved plans will constitute unauthorised development and may be liable to enforcement action. You (or any subsequent developer) should advise the Council of any actual or proposed variations from the approved plans immediately so that you can be advised how to best resolve the matter.

In addition, any conditions that the Council has imposed on this consent will be listed above and should be read carefully. It is your (or any subsequent developer's) responsibility to ensure that the terms of all conditions are met in full at the appropriate time (as outlined in the specific condition).

The commencement of development without firstly meeting in full the terms of any conditions that require the submission of details prior to the commencement of development will constitute unauthorised development. This will necessitate the submission of a further application to retain the unauthorised development and may render you liable to enforcement action.

Failure on the part of the developer to observe the requirements of any other conditions could result in the Council pursuing formal enforcement action in the form of a Breach of Condition Notice.

b. The enclosed notes which set out the rights of applicants who are aggrieved by the Council's decision.

c. This planning permission does not convey any approval or consent required by Building Regulations or any other legislation or covenant nor permits you to build on, over or under your neighbour's land (trespass is a civil matter). To determine whether your building work requires Building Regulation approval, or for other services provided by the Council's Building Control Section, you should contact that Section on 01656 643408 or at http://www.bridgend.gov.uk/buildingcontrol

d. Developers are advised to contact the statutory undertakers as to whether any of their apparatus would be affected by the development

e. Attention is drawn to the provisions of the party wall etc. act 1996

f. Attention is drawn to the provisions of the Wildlife and Countryside Act 1981 and in particular to the need to not disturb nesting bird and protected species and their habitats.

g. If your proposal requires street naming you need to contact 01656 643622.

h. If you are participating in the DIY House Builders and Converters scheme the resultant VAT reclaim will be dealt with at the Chester VAT office (tel: 01244 684221)

i. Developers are advised to contact the Environment and Energy helpline (tel: 0800 585794) and/or the energy efficiency advice centre (tel: 0800 512012) for advice on the efficient use of resources. Developers are also referred to Welsh Government Practice Guidance: Renewable and Low Carbon Energy in Buildings (July 2012):- http://wales.gov.uk/topics/planning/policy/guidanceandleaflets/energyinbuildings/?lang=en

j. Where appropriate, in order to make the development accessible for all those who might use the facility, the scheme must conform to the provisions of the Disability Discrimination Act 1995 as amended by the Disability Discrimination Act 2005. Your attention is also drawn to the Code of Practice relating to the Disability Discrimination Act 1995 Part iii (Rights of Access to Goods, Facilities and Services)

k. If your development lies within a coal mining area, you should take account of any coal mining related hazards to stability in your proposals. Developers must also seek permission from the Coal Authority before undertaking any operations that involves entry into any coal or mines of coal, including coal mine shafts and adits and the implementation of site investigations or other works. Property specific summary information on any past, current and

proposed surface and underground coal mining activity to affect the development can be obtained from the Coal Authority. The Coal Authority Mining Reports Service can be contacted on 0845 7626848 or www.coal.gov.uk

l. If your development lies within a limestone area you should take account of any limestone hazards to stability in your proposals. You are advised to engage a Consultant Engineer prior to commencing development in order to certify that proper site investigations have been carried out at the site sufficient to establish the ground precautions in relation to the proposed development and what precautions should be adopted in the design and construction of the proposed building(s) in order to minimise any damage which might arise as a result of the ground conditions.

m. The Local Planning Authority will only consider minor amendments to approved development by the submission of an application under section 96A of the Town and Country Planning Act 1990. The following amendments will require a fresh application:-
* re-siting of building(s) nearer any existing building or more than 250mm in any other direction;
* increase in the volume of a building;
* increase in the height of a building;
* changes to the site area;
* changes which conflict with a condition;
* additional or repositioned windows / doors / openings within 21m of an existing building;
* changes which alter the nature or description of the development;
* new works or elements not part of the original scheme;
* new works or elements not considered by an environmental statement submitted with the application.

n. The developer shall notify the Planning Department on 01656 643155 / 643157 of the date of commencement of development or complete and return the Commencement Card (enclosed with this Notice).

o. The presence of any significant unsuspected contamination, which becomes evident during the development of the site, should be brought to the attention of the Public Protection section of the Legal and Regulatory Services directorate. Developers may wish to refer to 'Land Contamination: A Guide for Developers' on the Public Protection Web Page.

p. Any builder's debris/rubble must be disposed of in an authorised manner in accordance with the Duty of Care under the Waste Regulations.

Appendix C: Historic Borehole logs

IGS 1572 (1959) 5000 5/75

Institute of Geological Sciences

RECORD OF SHAFT OR BOREHOLE

6-in or 1:10 000 Map Registration No.

SS 88 SW/154

National Grid Reference

8391 8194

1-in or 1:50 000 New Series Map No.

BRIDGEND 262

Enter 'C' if Confidential

Name and Number of Shaft or Borehole: PYLE (PEN-Y-CASTELL) (BOREHOLE No. 19)

For whom made B.G.S.

Town or Village PYLE *County* Glamorgan

Exact site (reference to a fixed point on 1-in or 1:50 000 Map)

Purpose for which made Bridgend Environmental Geology Maps

Ground level at shaft/bore relative to O.D. c.150 *m. If not ground level give O.D. of beginning of shaft/bore* _____ *m.*

Made by Norwest Holst *Date of sinking* 29.8.84

Information from *Examined by* M. Smith

Specimen Numbers and Additional Notes

SPTs: 1.20 - 1.65 (7 blows)
3.10 - 3.55 (8 blows)

U4s: 2.50 - 2.95 (12 blows) 3.10-3.55 (8 blows)
3.95 - 4.40 (66 blows + hit obstruction)

Geological Classification	Description of Strata	Thickness *metres*	Depth *metres*
	Topsoil	0.15	0.15
? Alluvium or head deposits	Orange-brown and grey mottled silty clay with occasional rounded pebbles passing down into		0.40
Head deposits	Dark reddish brown and grey mottled grity silty clay with rounded pebbles of coal measures, ORS and sandstone, becoming less mottled near base (head ?)		2.10
Glacial Silts and clays (Lacustrine deposits)	Dark brown to grey, fine clayey silts laminated, small rounded pebbles; photograph taken		3.05
	Thin band of fine fairly well sorted pebbly grit		3.10
	Cont.		

IGS 1572 (1959) 5000 5/75

Institute of Geological Sciences

RECORD OF SHAFT OR BOREHOLE

6-in or 1:10 000 Map Registration No.

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National Grid Reference

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SPTs: 1.20 - 1.65 (7 blows)
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U4s: 2.50 - 2.95 (12 blows) 3.10-3.55 (8 blows)
3.95 - 4.40 (66 blows + hit obstruction)

Geological Classification	Description of Strata	Thickness *metres*	Depth *metres*
	Topsoil	0.15	0.15
? Alluvium or head deposits	Orange-brown and grey mottled silty clay with occasional rounded pebbles passing down into		0.40
Head deposits	Dark reddish brown and grey mottled grity silty clay with rounded pebbles of coal measures, ORS and sandstone, becoming less mottled near base (head ?)		2.10
Glacial Silts and clays (Lacustrine deposits)	Dark brown to grey, fine clayey silts laminated, small rounded pebbles; photograph taken		3.05
	Thin band of fine fairly well sorted pebbly grit		3.10
	Cont.		

Borehole 19 Pen-y-Castell SS 88SW 839/819

SS88SW/154

0

Topsoil
Orange brown and grey mottled silty clay, occ. rounded pebble passing down alluvium?
into fine clay, laminated with small gth pebbles

Dark red brown and grey mottled gritty silty clay, hard with rounded pebbles of coal measured and ORS [illegible]

1

SPT 7 blows

Becoming dark brown and grey with occasional mottled patches

2

Dark brown to grey fine clayey silts with scattered small rounded pebbles of ash, laminated
Lt grey brown and pale brown sandy laminae photo taken

U4 12 blows

3

Sample coll at base of U4. SPT 8 blows

Thin band of fine, fairly well sorted pebbly grit passing rapidly back dn

Medium brown stiff compact clayey silts with small rounded pebbles, faint laminations

4

Strongly laminated, abundant Tan pebble, occasional large pebbles (dropstones?)
Coarse poorly sorted, very sandy gravel with large cobbles of Ds vl ash (Ums)
hole terminated at 4.35m - bedrock

U5 66 blows, hit obstruction

5

6

7

8

9

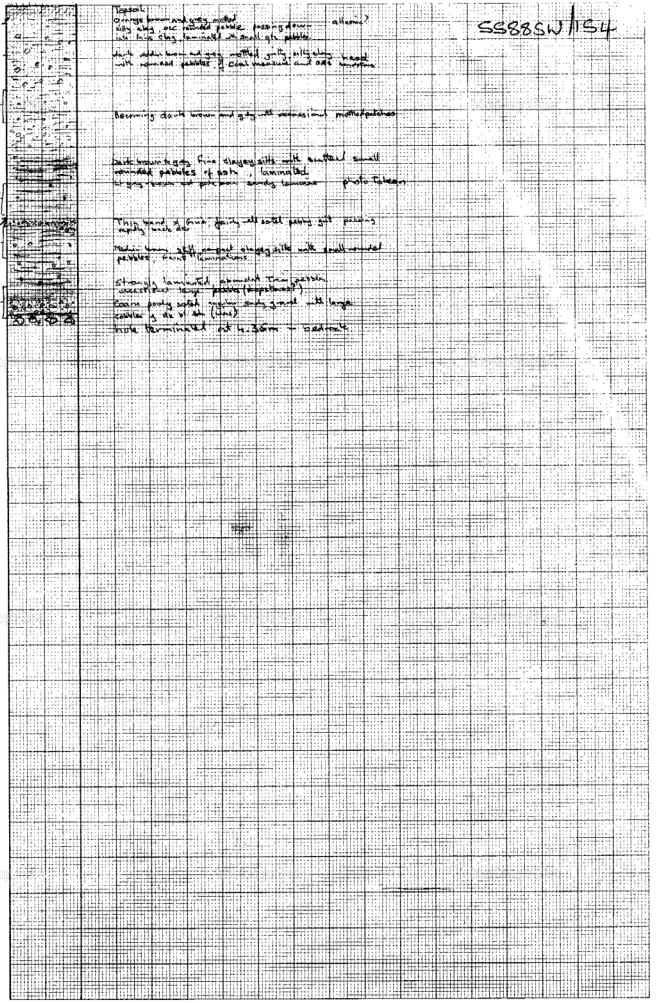
10

11

12

13

14



Appendix D: Envirocheck Historical Ordnance Survey maps

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Gravel Pit
Sand Pit
Other Pits
Quarry
Shingle
Orchard
Osiers
Reeds
Marsh
Mixed Wood
Deciduous
Brushwood
Fir
Furze
Rough Pasture
Arrow denotes flow of water
Trigonometrical Station
Site of Antiquities
Bench Mark
Pump, Guide Post, Signal Post
Well, Spring, Boundary Post
·285 Surface Level
Sketched Contour
Instrumental Contour
Main Roads — Fenced / Un-Fenced
Minor Roads — Fenced / Un-Fenced
Sunken Road
Raised Road
Road over Railway
Railway over River
Railway over Road
Level Crossing
Road over River or Canal
Road over Stream
Road over Stream
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)
R.D. Bdy. Rural District Boundary
Civil Parish Boundary

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry
Gravel Pit
Sand Pit
Disused Pit or Quarry
Refuse or Slag Heap
Lake, Loch or Pond
Dunes
Boulders
Coniferous Trees
Non-Coniferous Trees
Orchard
Scrub
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water — Shingle, Sand
Glasshouse
Pylon
Electricity Transmission Line
Sloping Masonry
Pole
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
Standard Gauge Single Track
Siding, Tramway or Mineral Line
Narrow Gauge
Geographical County
Administrative County, County Borough or County of City
Municipal Borough, Urban or Rural District, Burgh or District Council
Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community boundary
District, Unitary, Metropolitan, London Borough boundary
Constituency boundary
Area of wooded vegetation
Non-coniferous trees
Non-coniferous trees (scattered)
Coniferous trees
Coniferous trees (scattered)
Positioned tree
Orchard
Coppice or Osiers
Rough Grassland
Heath
Scrub
Marsh, Salt Marsh or Reeds
Water feature
Flow arrows
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m Bench mark (where shown)
Triangulation station
Point feature (e.g. Guide Post or Mile Stone)
Pylon, flare stack or lighting tower
Site of (antiquity)
Glasshouse
General Building
Important Building

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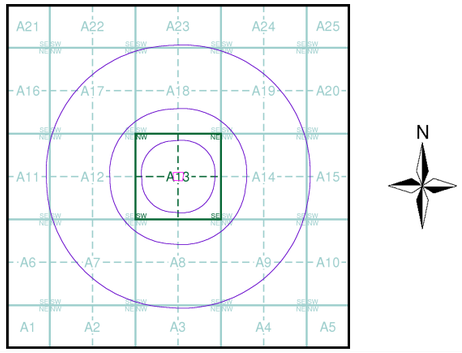
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:10,560	1884 - 1885	2
Glamorganshire	1:10,560	1900	3
Glamorganshire	1:10,560	1921	4
Glamorganshire	1:10,560	1947 - 1952	5
Ordnance Survey Plan	1:10,000	1965	6
Ordnance Survey Plan	1:10,000	1969	7
Ordnance Survey Plan	1:10,000	1987	8
10K Raster Mapping	1:10,000	1999	9
Street View	Variable		10

Historical Map - Slice A



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Search Buffer (m): 1000

Site Details

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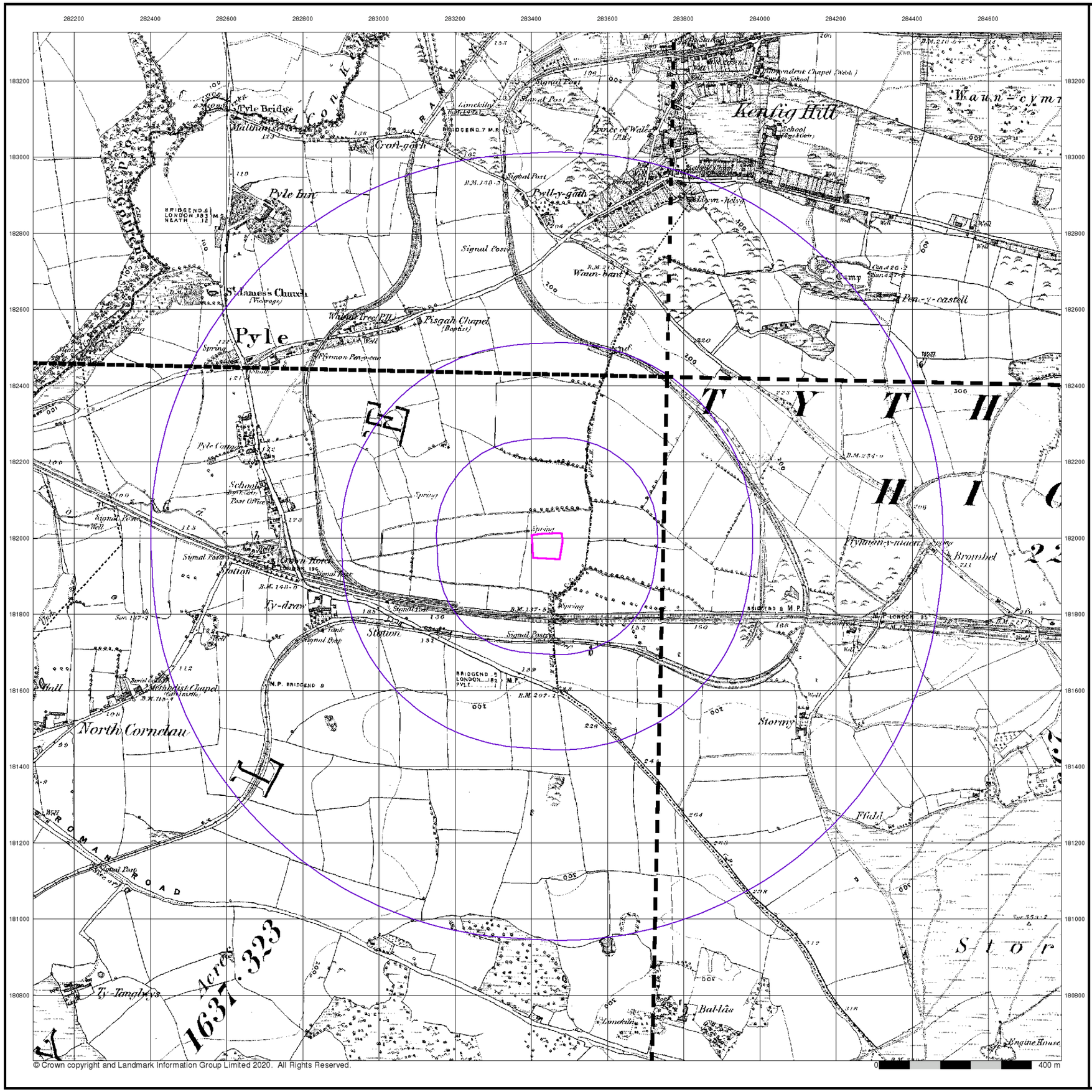

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0 400 m

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Glamorganshire

Published 1884 - 1885

Source map scale - 1:10,560

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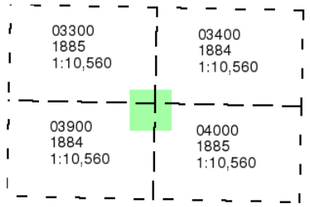
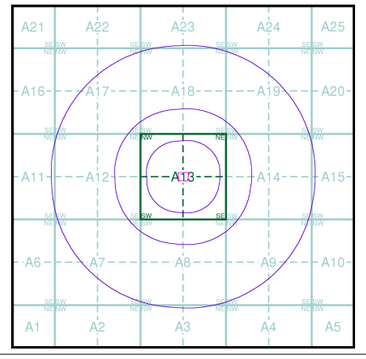
Map Name(s) and Date(s)



Historical Map - Slice A



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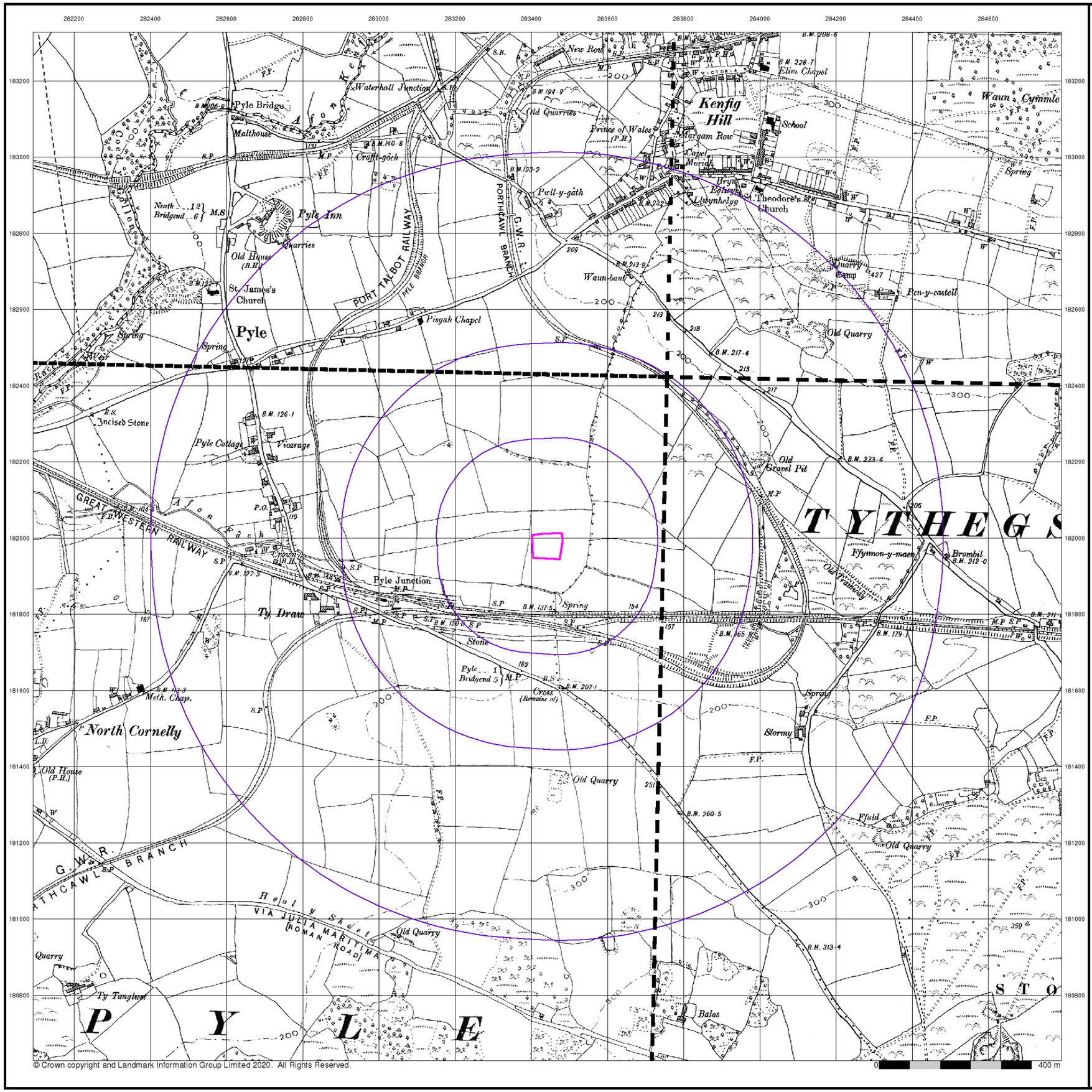

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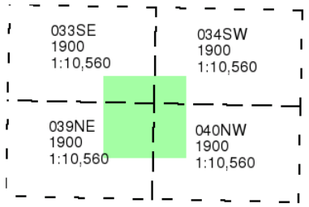

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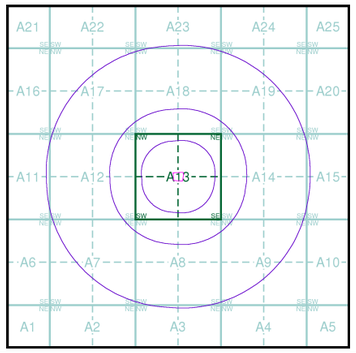

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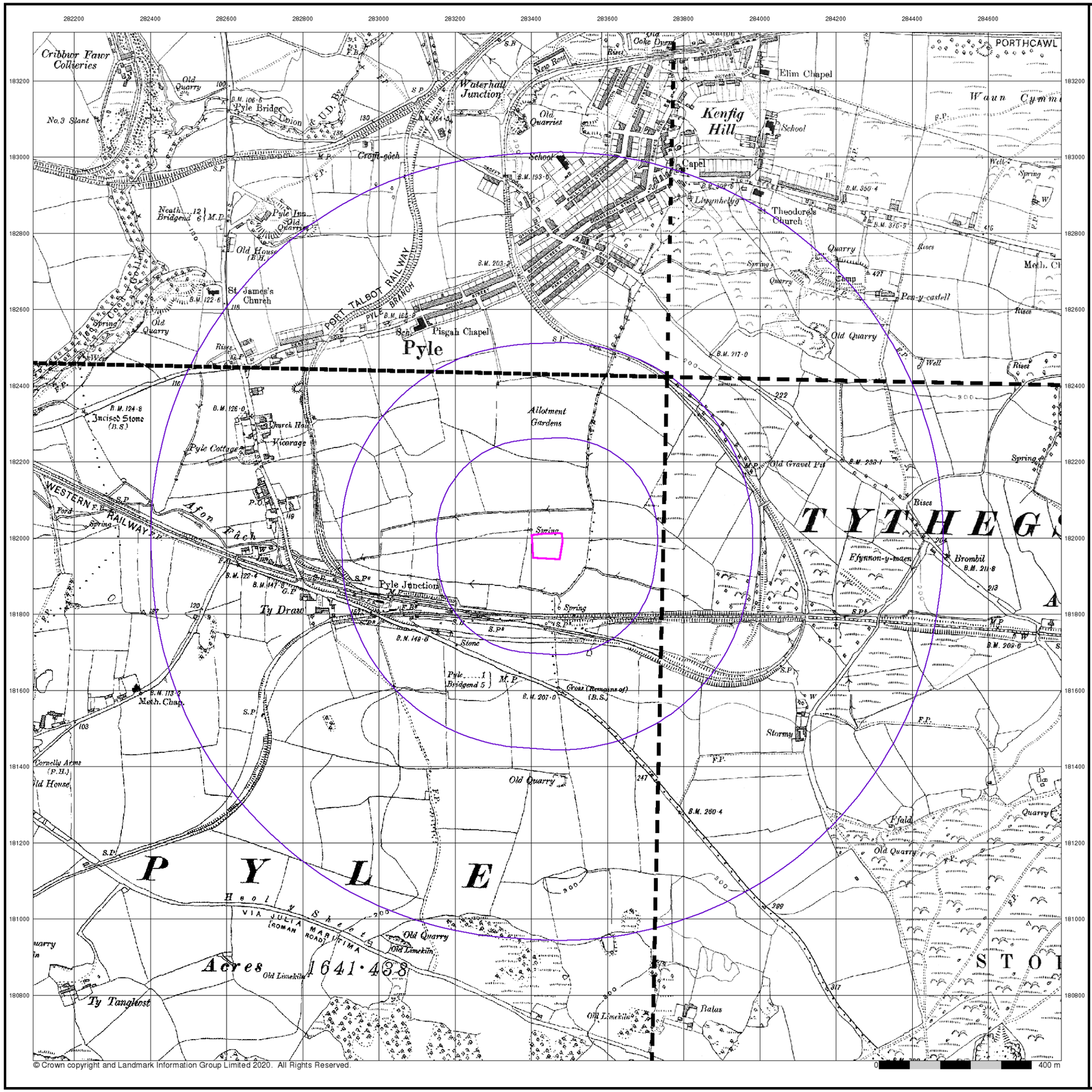

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Glamorganshire

Published 1921

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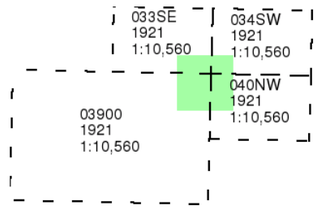
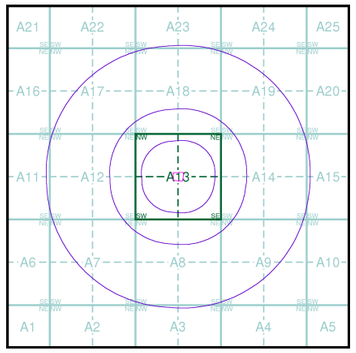


Historical Map - Slice A



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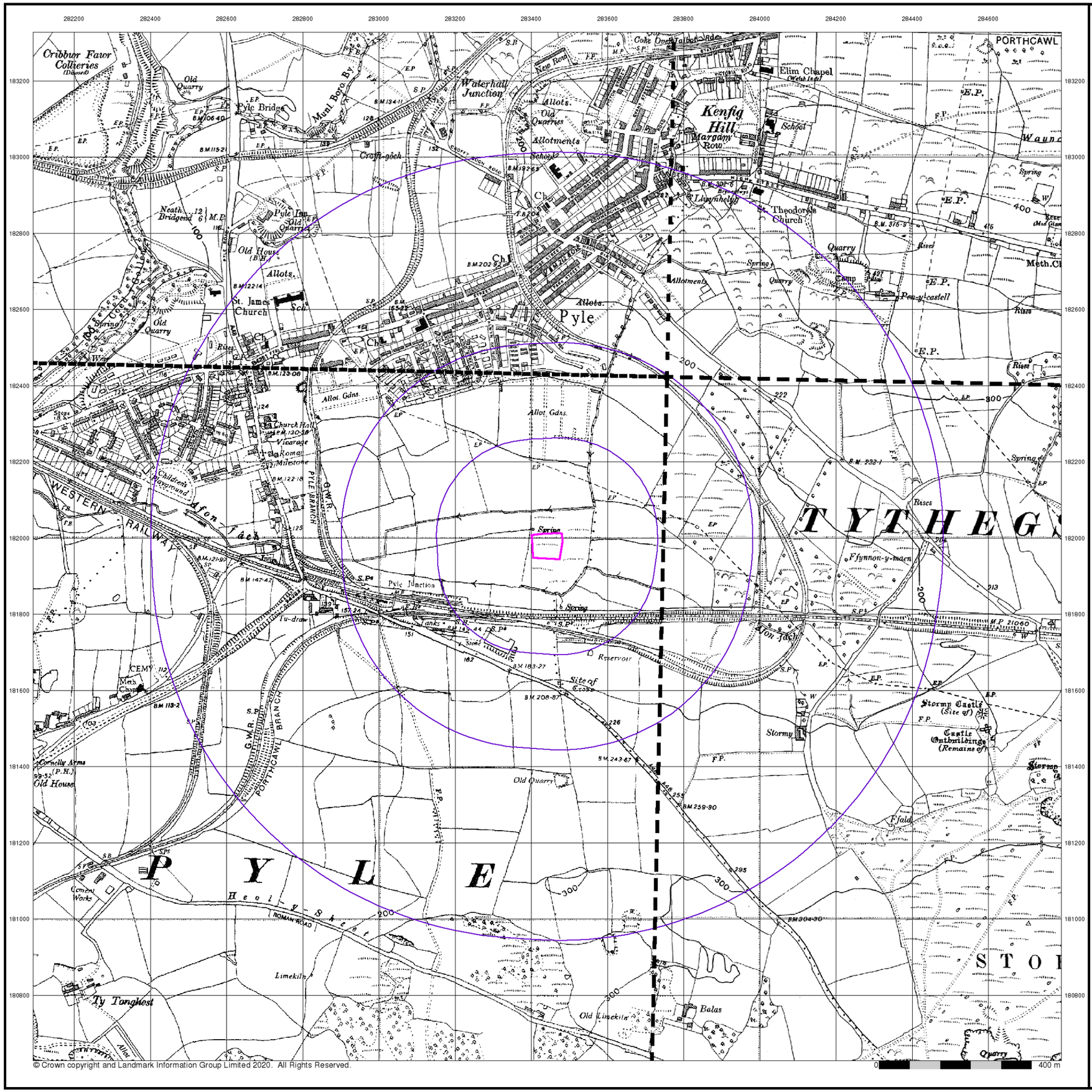

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Glamorganshire

Published 1947 - 1952

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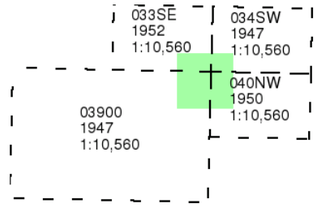

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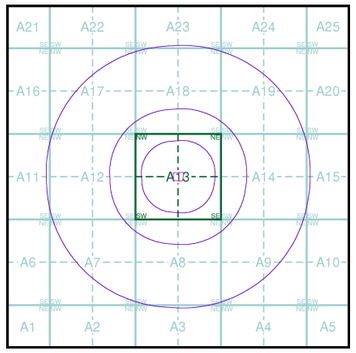

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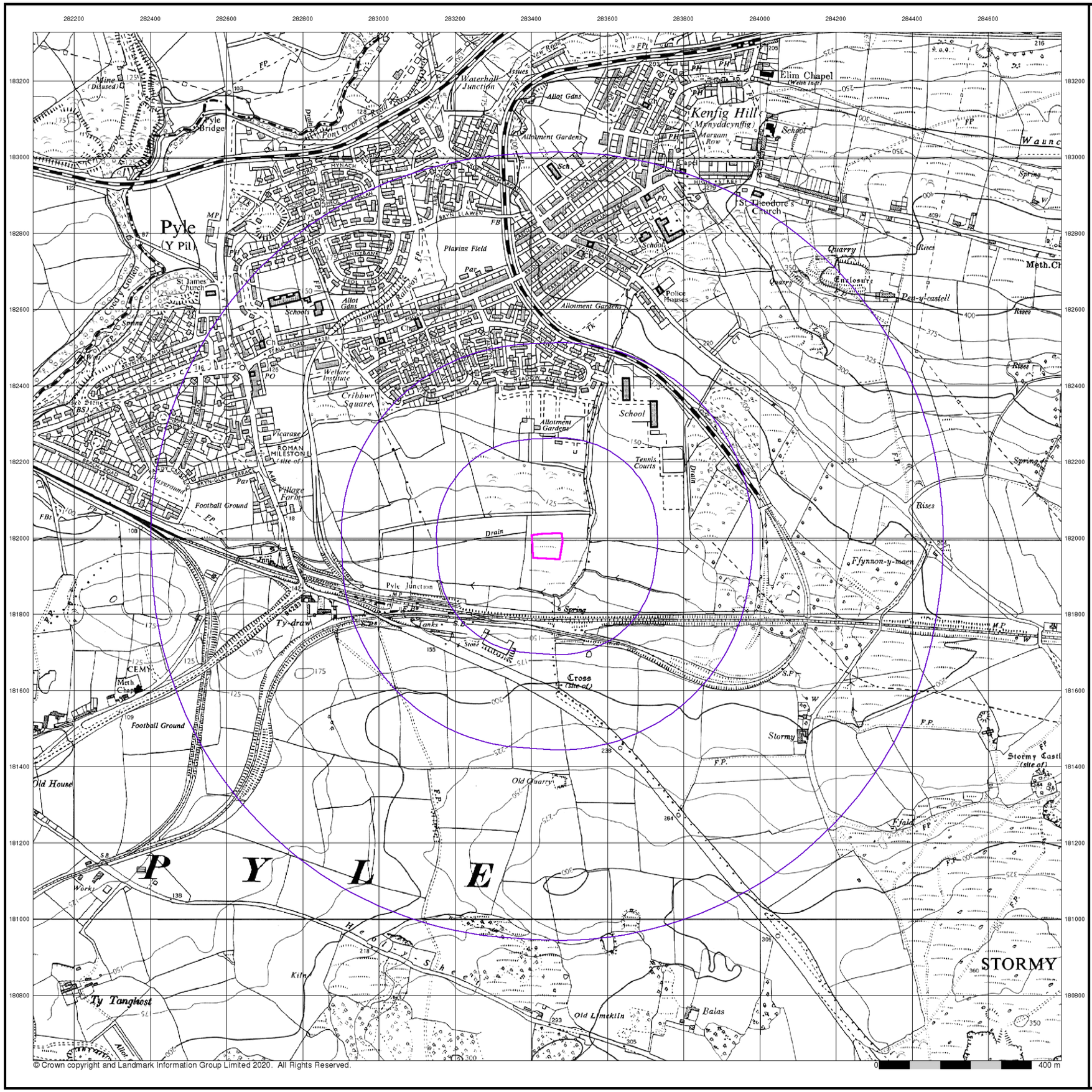

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Ordnance Survey Plan

Published 1965

Source map scale - 1:10,000

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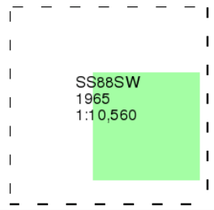
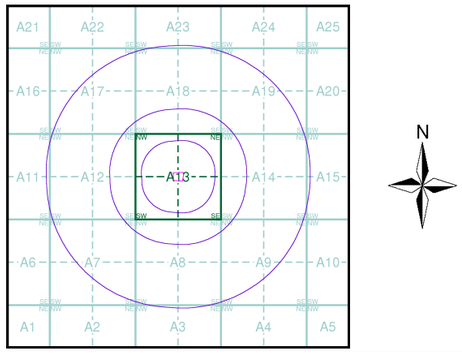


Historical Map - Slice A



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National Grid Reference:	283440, 181980
Slice:	A
Site Area (Ha):	0.5
Search Buffer (m):	1000

Site Details

Site at, Pyle/Y Pil, Neath Port Talbot

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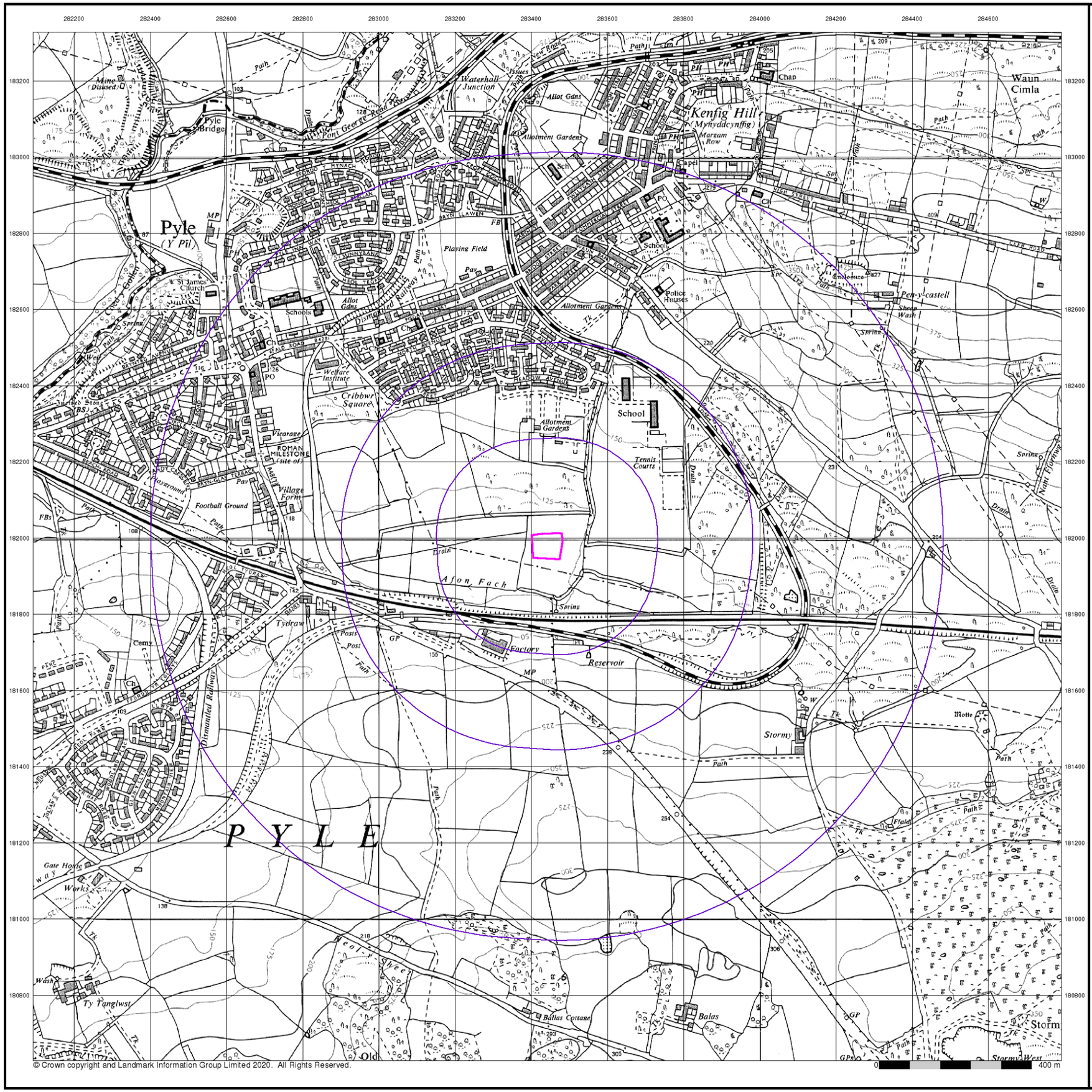
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Envirocheck®

LANDMARK INFORMATION GROUP®

Ordnance Survey Plan

Published 1969

Source map scale - 1:10,000

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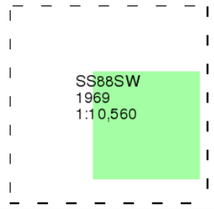
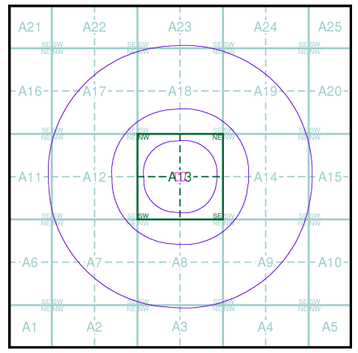
Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	268881352_1_1
Customer Ref:	20241
National Grid Reference:	283440, 181980
Slice:	A
Site Area (Ha):	0.5
Search Buffer (m):	1000

Site Details

Site at, Pyle/Y Pil, Neath Port Talbot

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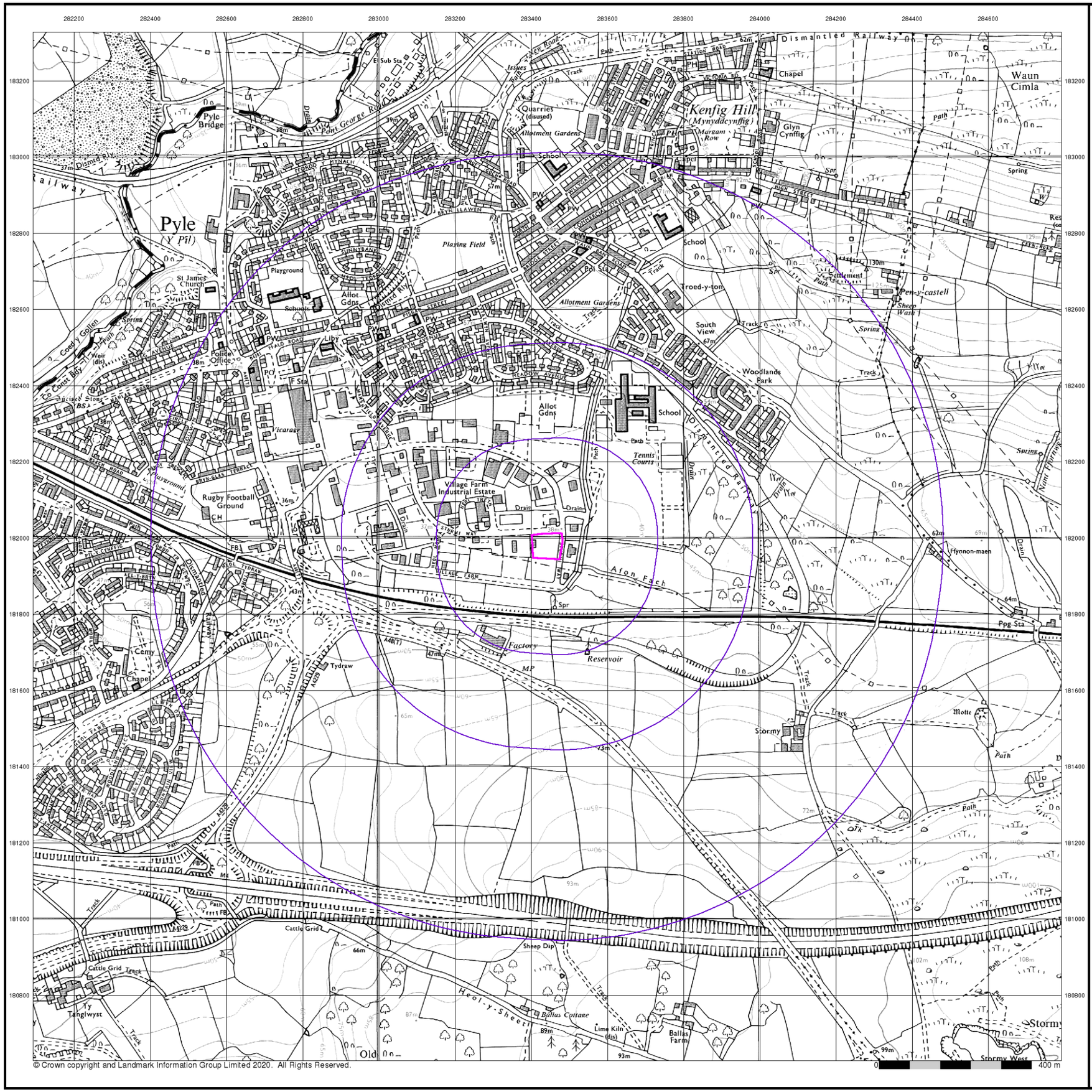
Web: www.envirocheck.co.uk



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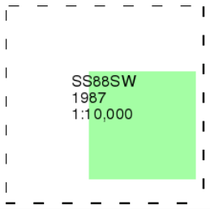
Ordnance Survey Plan

Published 1987

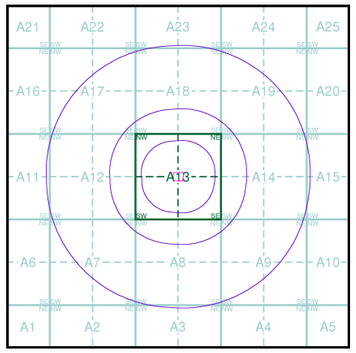
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	268881352_1_1
Customer Ref:	20241
National Grid Reference:	283440, 181980
Slice:	A
Site Area (Ha):	0.5
Search Buffer (m):	1000

Site Details

Site at, Pyle/Y Pil, Neath Port Talbot

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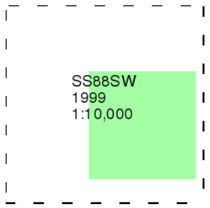
10k Raster Mapping

Published 1999

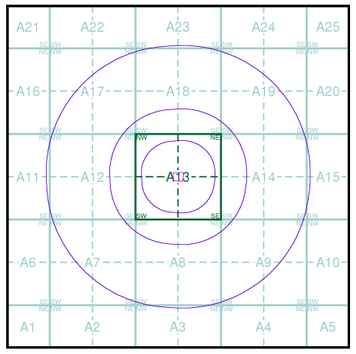
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	268881352_1_1
Customer Ref:	20241
National Grid Reference:	283440, 181980
Slice:	A
Site Area (Ha):	0.5
Search Buffer (m):	1000

Site Details

Site at, Pyle/Y Pil, Neath Port Talbot

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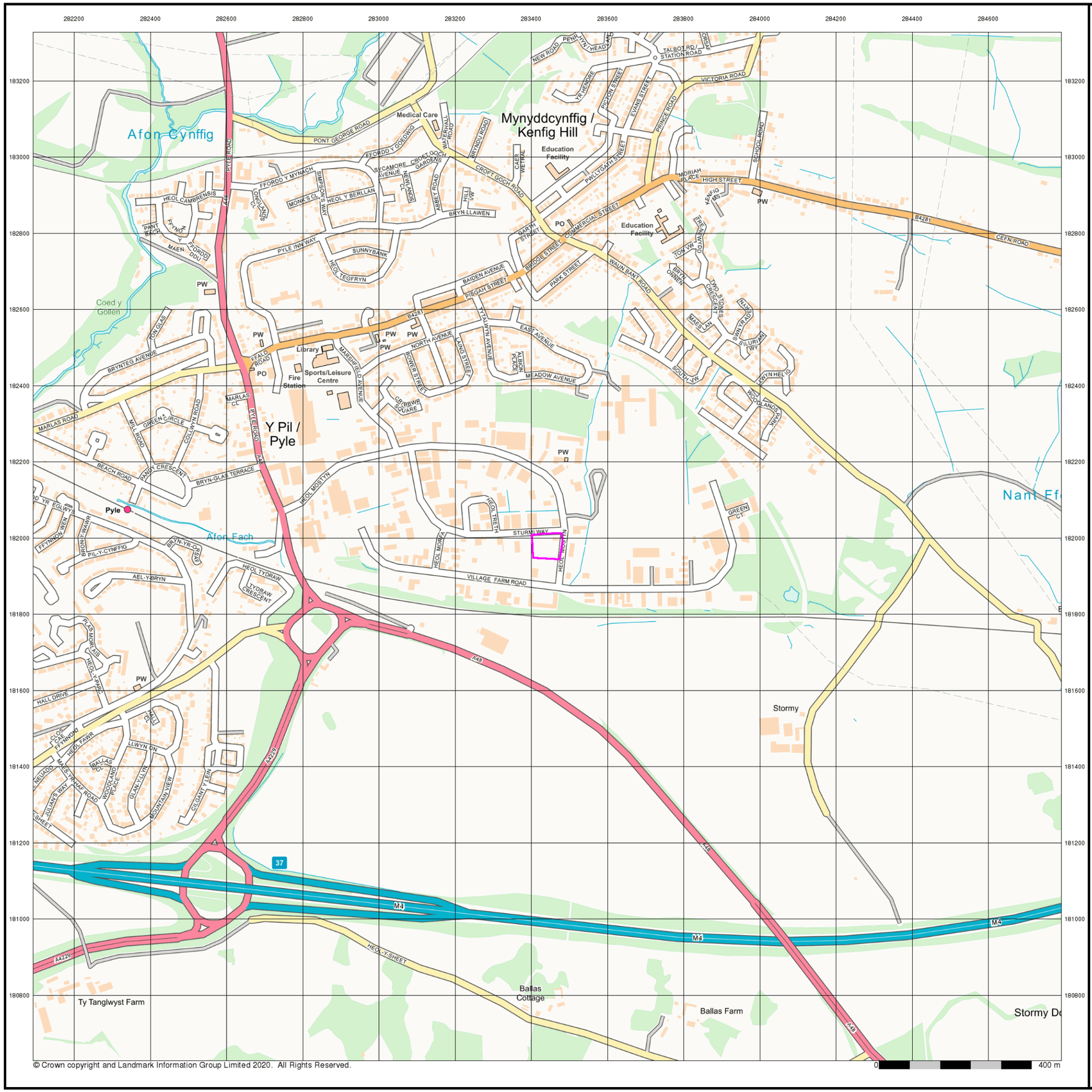

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Street View

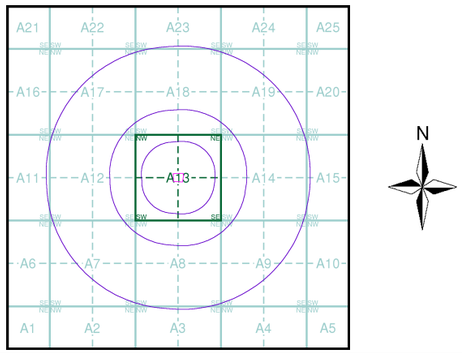
Published 2020

Source map scale - 1:10,000

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

Map Name(s) and Date(s)

Street View Map - Slice A



Order Details

Order Number:	268881352_1_1
Customer Ref:	20241
National Grid Reference:	283440, 181980
Slice:	A
Site Area (Ha):	0.5
Search Buffer (m):	1000

Site Details

Site at, Pyle/Y Pil, Neath Port Talbot

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Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500

Quarry
Gravel Pit
Sand Pit
Clay Pit
Shingle
Refuse Heap
Sloping Masonry
Flat Rock
Marsh
Reeds
Osiers
Rough Pasture
Furze
Wood
Mixed Wood
Brushwood
Orchard
Fir
Ford
Stepping Stones
Ferry
Waterfall
Lock
Trig. Station
507 Altitude at Trig. Station
B.M.325·9 Bench Mark
342 Surface Level
Arrow denotes flow of water
Antiquities (site of)
Cutting
Embankment
Railway crossing Road
Level Crossing
Road crossing Railway
Railway crossing River or Canal
Road over single stream
Road over River or Canal

County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250

Inactive Quarry, Chalk Pit or Clay Pit
Active Quarry, Chalk Pit or Clay Pit
Rock
Boulders
Cliff
Slopes
Top
Roofed Building
Glazed Roof Building
Sloping Masonry
Archway
Non-Coniferous Tree (surveyed)
Coniferous Tree (surveyed)
Non-Coniferous Trees (not surveyed)
Coniferous Trees (not surveyed)
Orchard Tree
Scrub
Bracken
Coppice, Osier
Reeds
Marsh, Saltings
Rough Grassland
Heath
Culvert
Direction of water flow
Bench Mark
Antiquity (site of)
Cave Entrance
Triangulation Station
Electricity Pylon
Electricity Transmission Line

County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250

Cliff
Slopes
Top
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Positioned Boulder
Scree
Non-Coniferous Tree (surveyed)
Coniferous Tree (surveyed)
Non-Coniferous Trees (not surveyed)
Coniferous Trees (not surveyed)
Orchard Tree
Scrub
Bracken
Coppice, Osier
Reeds
Marsh, Saltings
Rough Grassland
Heath
Culvert
Direction of water flow
Triangulation Station
Antiquity (site of)
Electricity Transmission Line
Electricity Pylon
BM 231.60m Bench Mark
Buildings with Building Seed
Roofed Building
Glazed Roof Building

Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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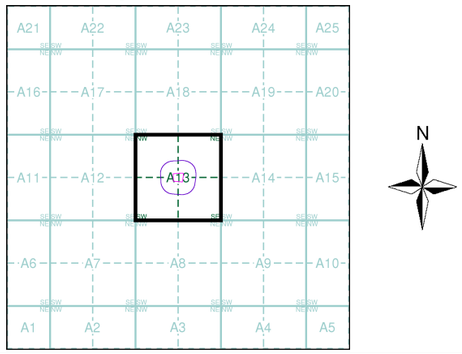
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:2,500	1876 - 1877	2
Glamorganshire	1:2,500	1899	3
Glamorganshire	1:2,500	1918 - 1919	4
Glamorganshire	1:2,500	1940 - 1942	5
Ordnance Survey Plan	1:2,500	1964 - 1967	6
Ordnance Survey Plan	1:2,500	1969	7
Ordnance Survey Plan	1:2,500	1978 - 1984	8
Additional SIMs	1:2,500	1982 - 1986	9
Additional SIMs	1:2,500	1984	10
Large-Scale National Grid Data	1:2,500	1993	11
Large-Scale National Grid Data	1:2,500	1995	12
Large-Scale National Grid Data	1:2,500	1996	13
Large-Scale National Grid Data	1:2,500	1996	14

Historical Map - Segment A13



Order Details

Order Number: 268881352_1_1
Customer Ref: 20241
National Grid Reference: 283440, 181980
Slice: A
Site Area (Ha): 0.5
Search Buffer (m): 100

Site Details

Site at, Pyle/Y Pil, Neath Port Talbot

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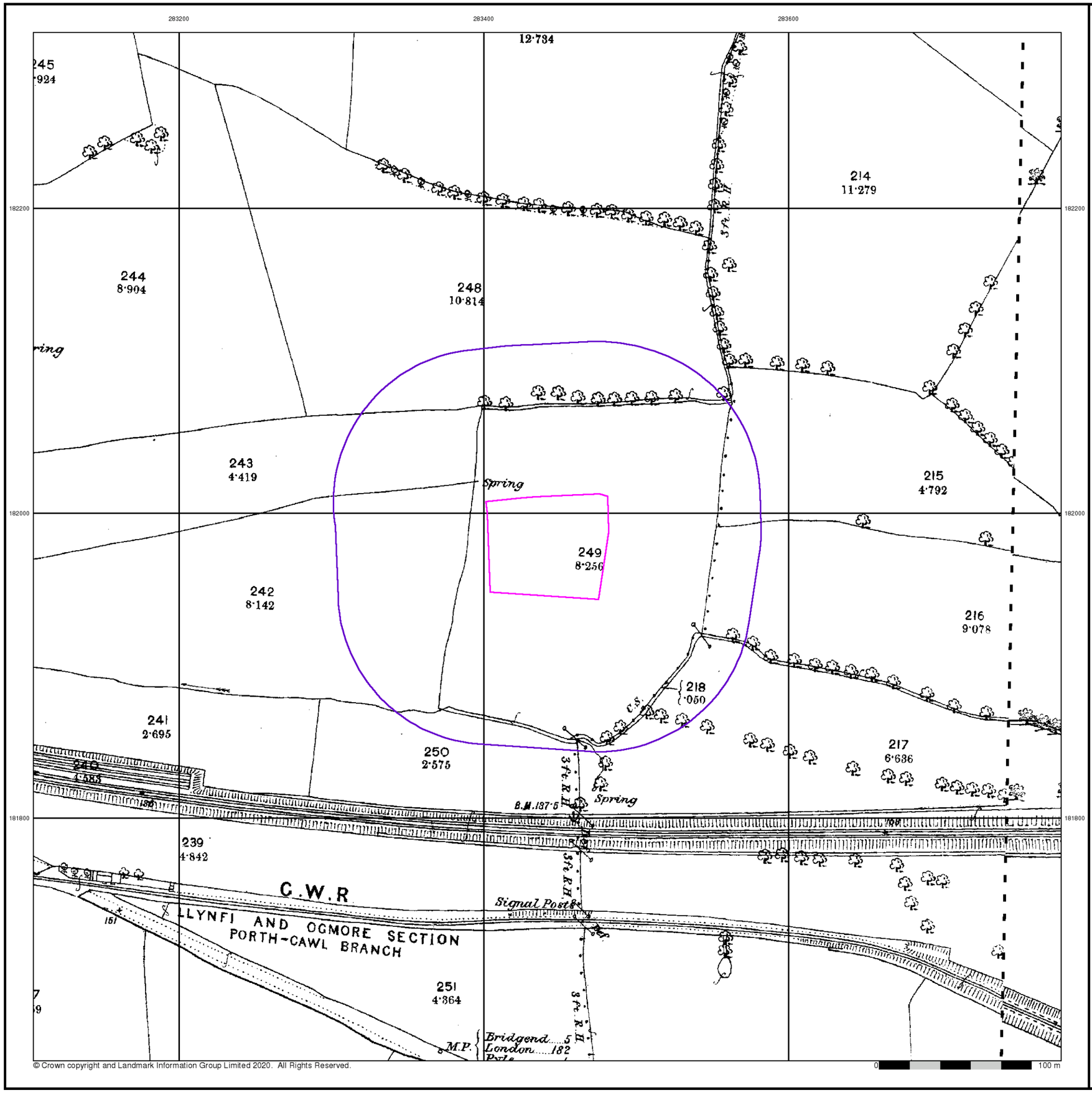

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Glamorganshire

Published 1876 - 1877

Source map scale - 1:2,500

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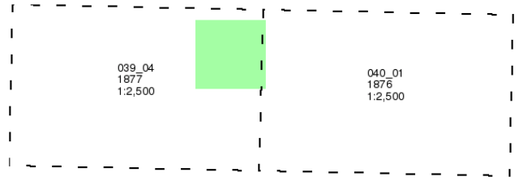
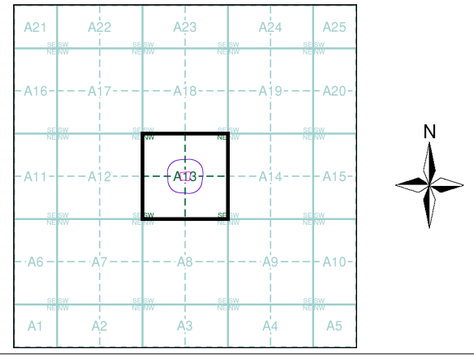
Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	268881352_1_1
Customer Ref:	20241
National Grid Reference:	283440, 181980
Slice:	A
Site Area (Ha):	0.5
Search Buffer (m):	100

Site Details

Site at, Pyle/Y Pil, Neath Port Talbot

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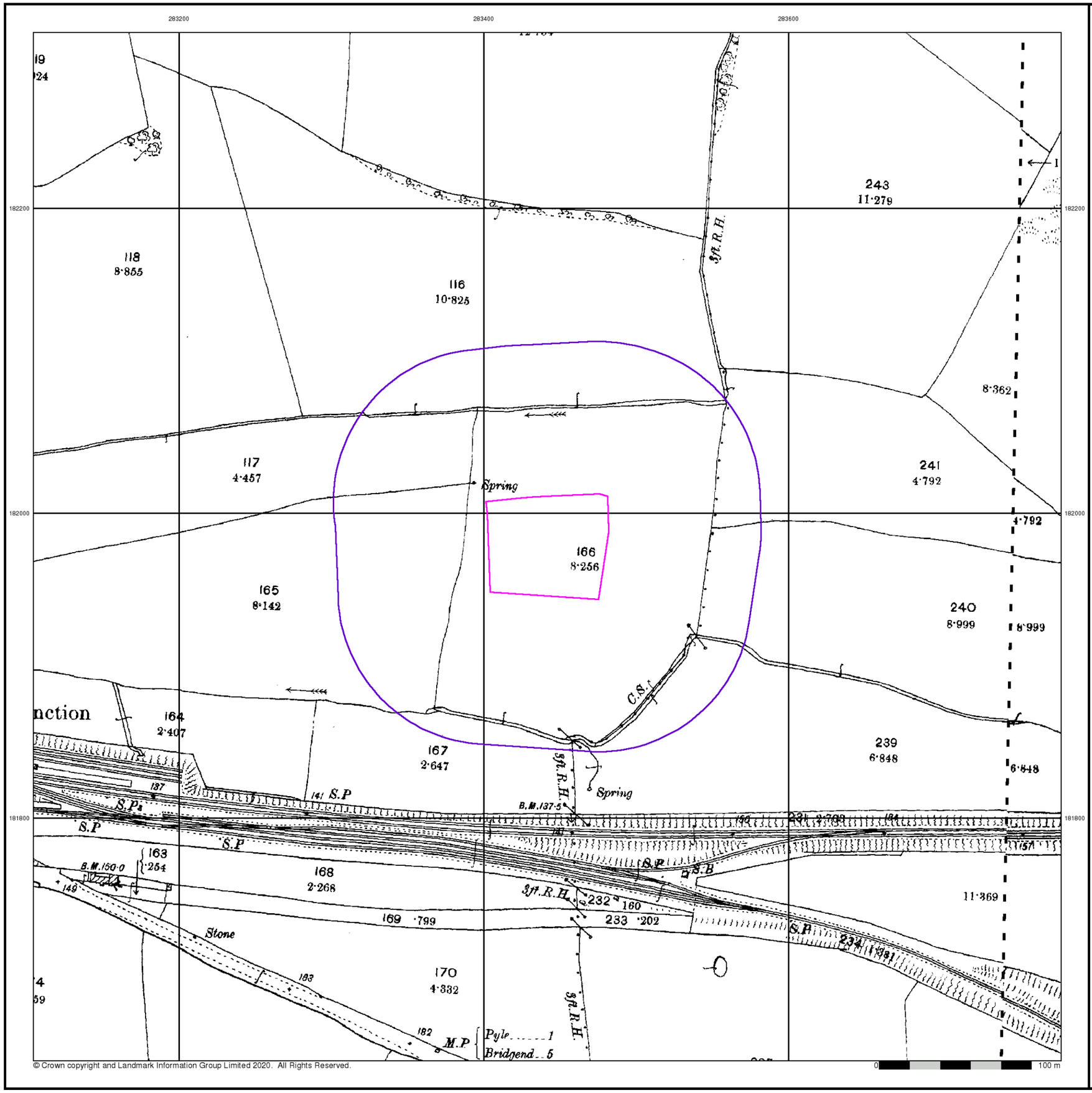

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Glamorganshire

Published 1899

Source map scale - 1:2,500

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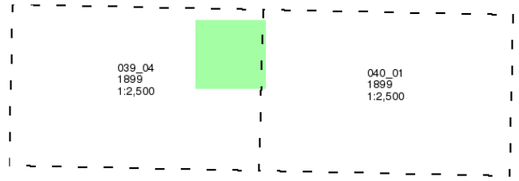
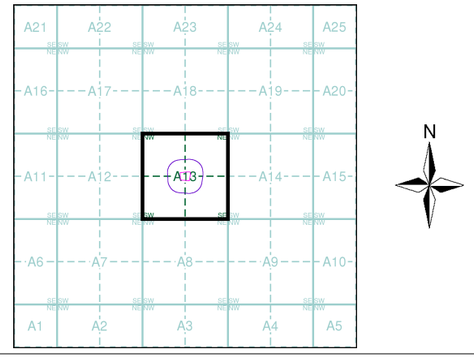
Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	268881352_1_1
Customer Ref:	20241
National Grid Reference:	283440, 181980
Slice:	A
Site Area (Ha):	0.5
Search Buffer (m):	100

Site Details

Site at, Pyle/Y Pil, Neath Port Talbot

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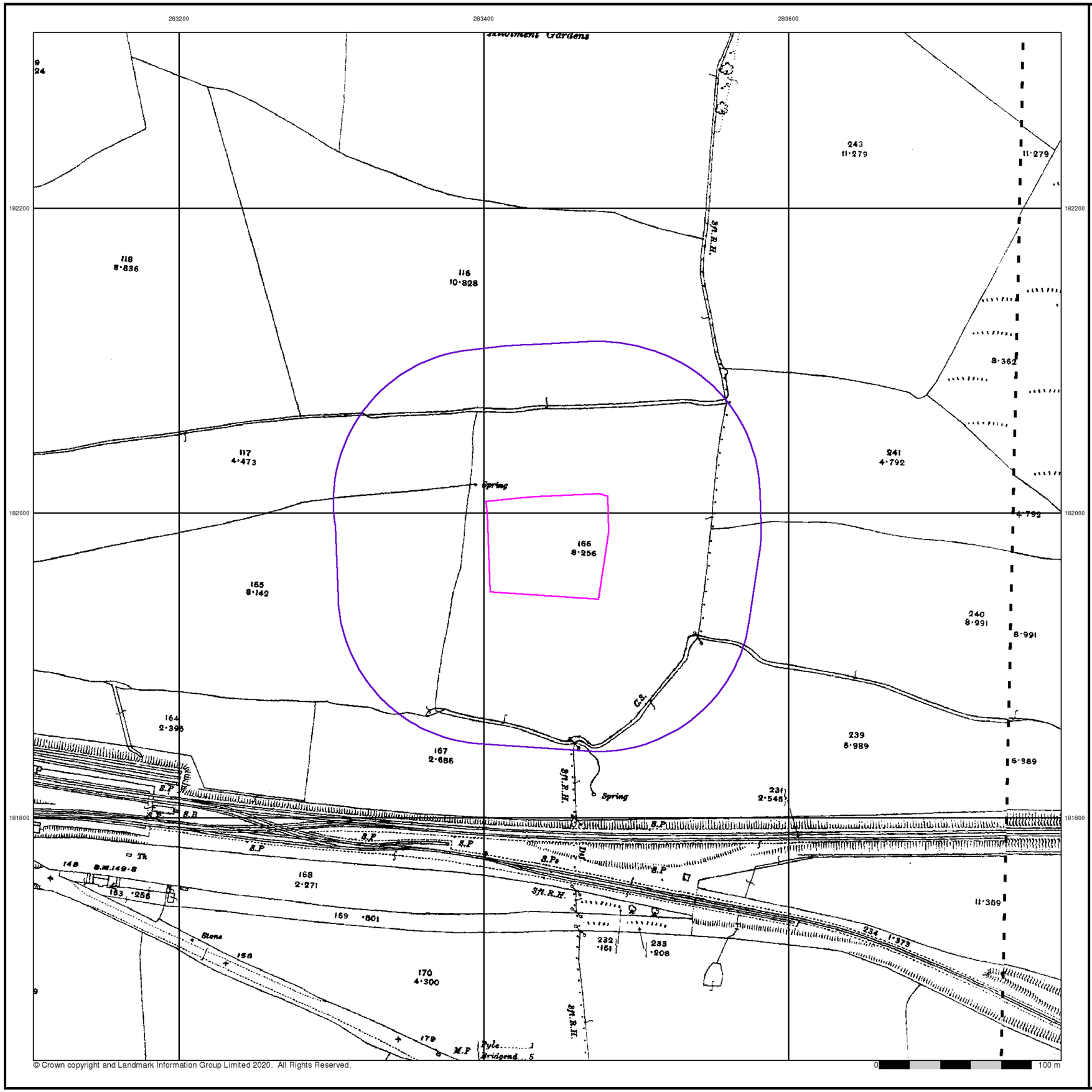

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Glamorganshire

Published 1918 - 1919

Source map scale - 1:2,500

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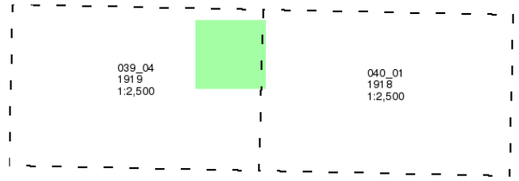
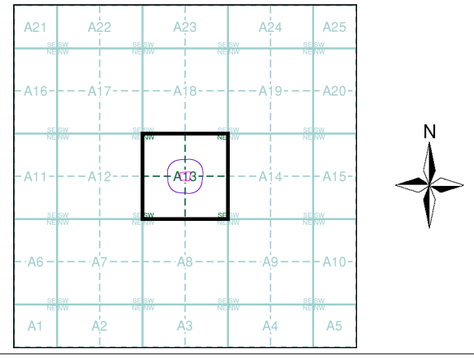
Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	268881352_1_1
Customer Ref:	20241
National Grid Reference:	283440, 181980
Slice:	A
Site Area (Ha):	0.5
Search Buffer (m):	100

Site Details

Site at, Pyle/Y Pil, Neath Port Talbot

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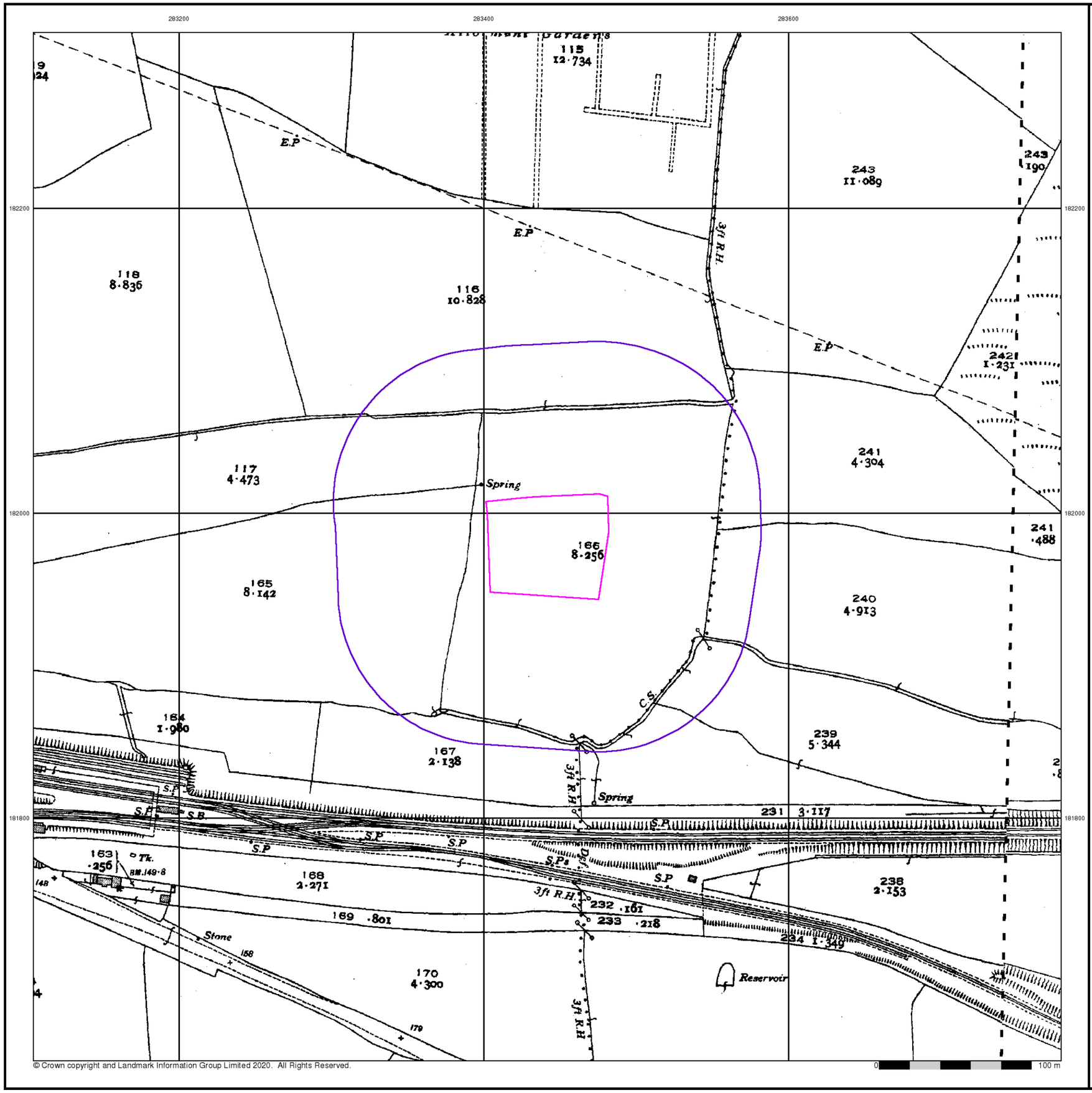

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Glamorganshire

Published 1940 - 1942

Source map scale - 1:2,500

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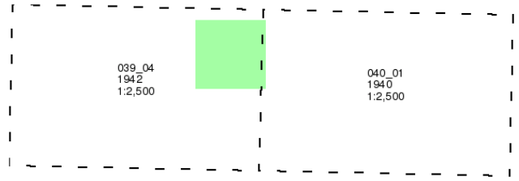
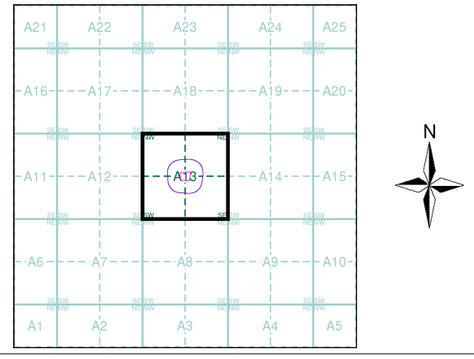
Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	268881352_1_1
Customer Ref:	20241
National Grid Reference:	283440, 181980
Slice:	A
Site Area (Ha):	0.5
Search Buffer (m):	100

Site Details

Site at, Pyle/Y Pil, Neath Port Talbot

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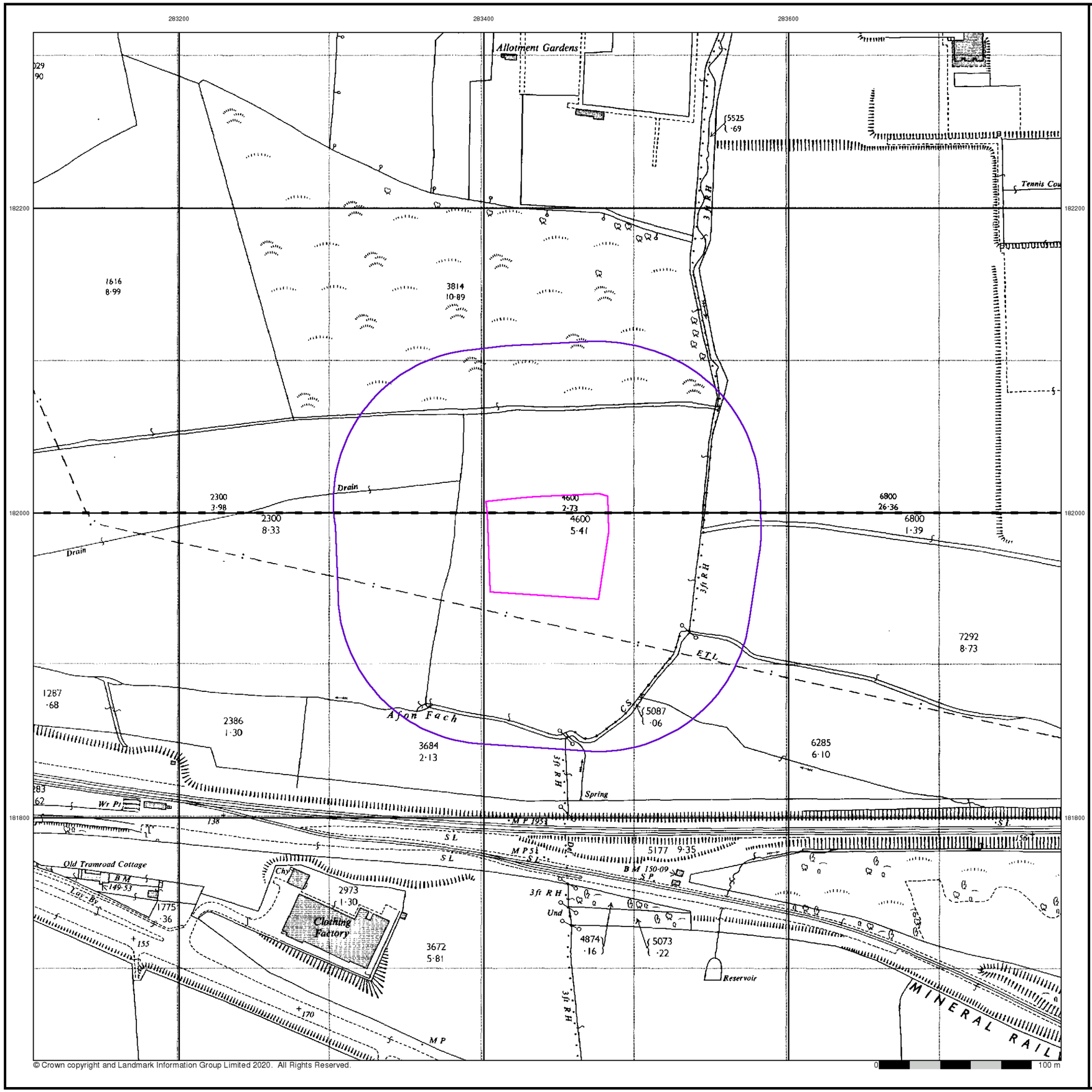

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Ordnance Survey Plan

Published 1964 - 1967

Source map scale - 1:2,500

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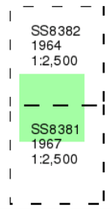
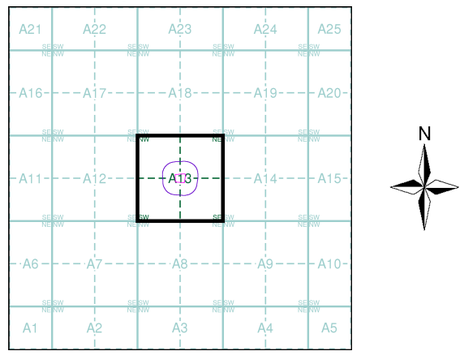
Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	268881352_1_1
Customer Ref:	20241
National Grid Reference:	283440, 181980
Slice:	A
Site Area (Ha):	0.5
Search Buffer (m):	100

Site Details

Site at, Pyle/Y Pil, Neath Port Talbot

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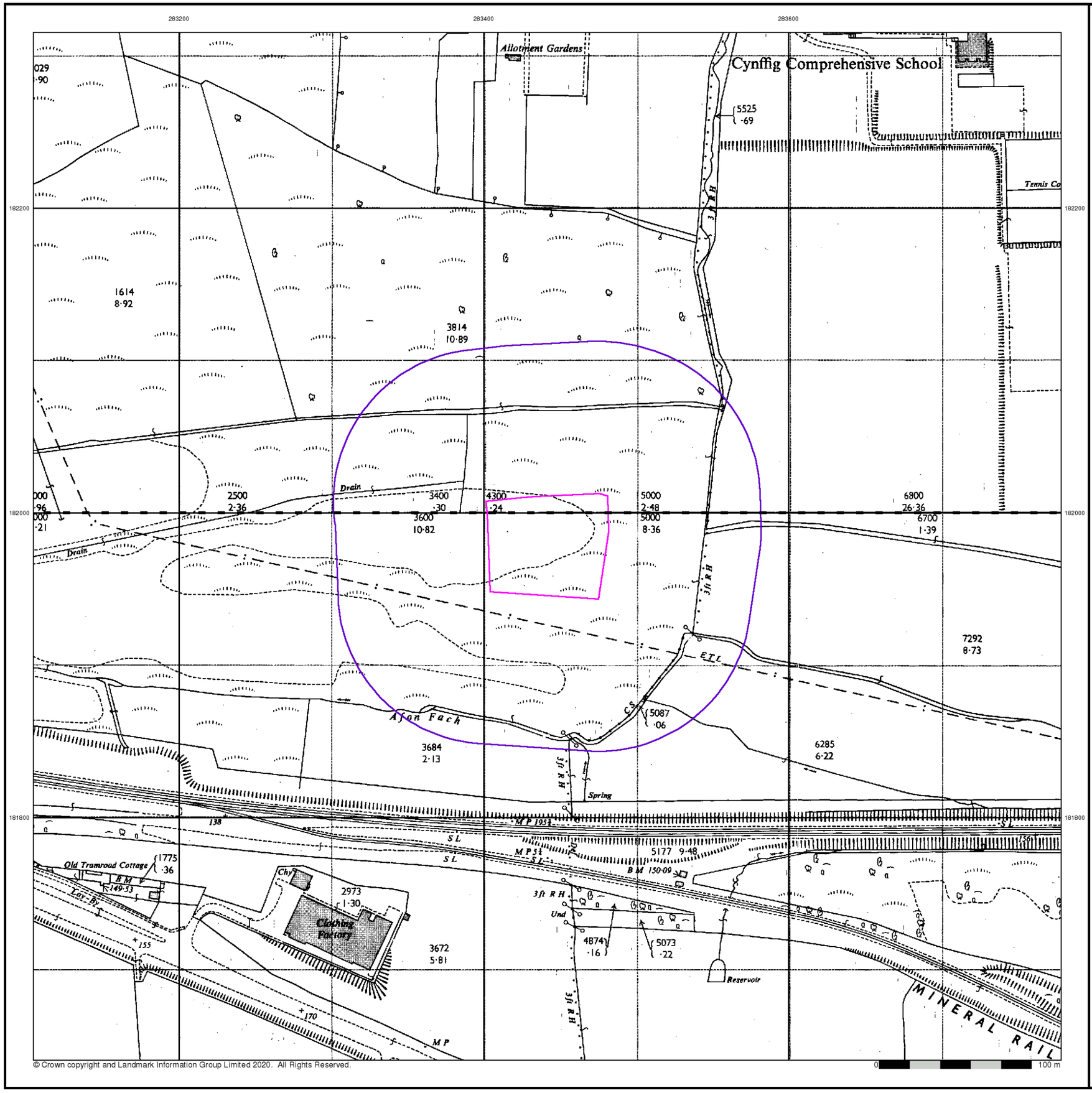
Web: www.envirocheck.co.uk



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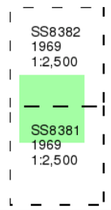
Ordnance Survey Plan

Published 1969

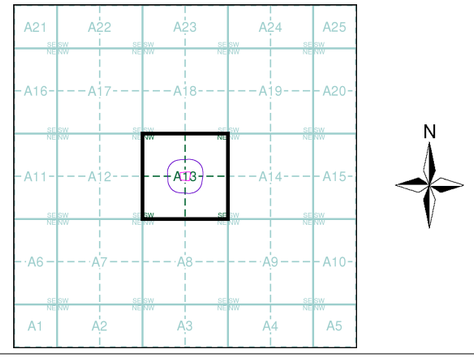
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	268881352_1_1
Customer Ref:	20241
National Grid Reference:	283440, 181980
Slice:	A
Site Area (Ha):	0.5
Search Buffer (m):	100

Site Details

Site at, Pyle/Y Pil, Neath Port Talbot

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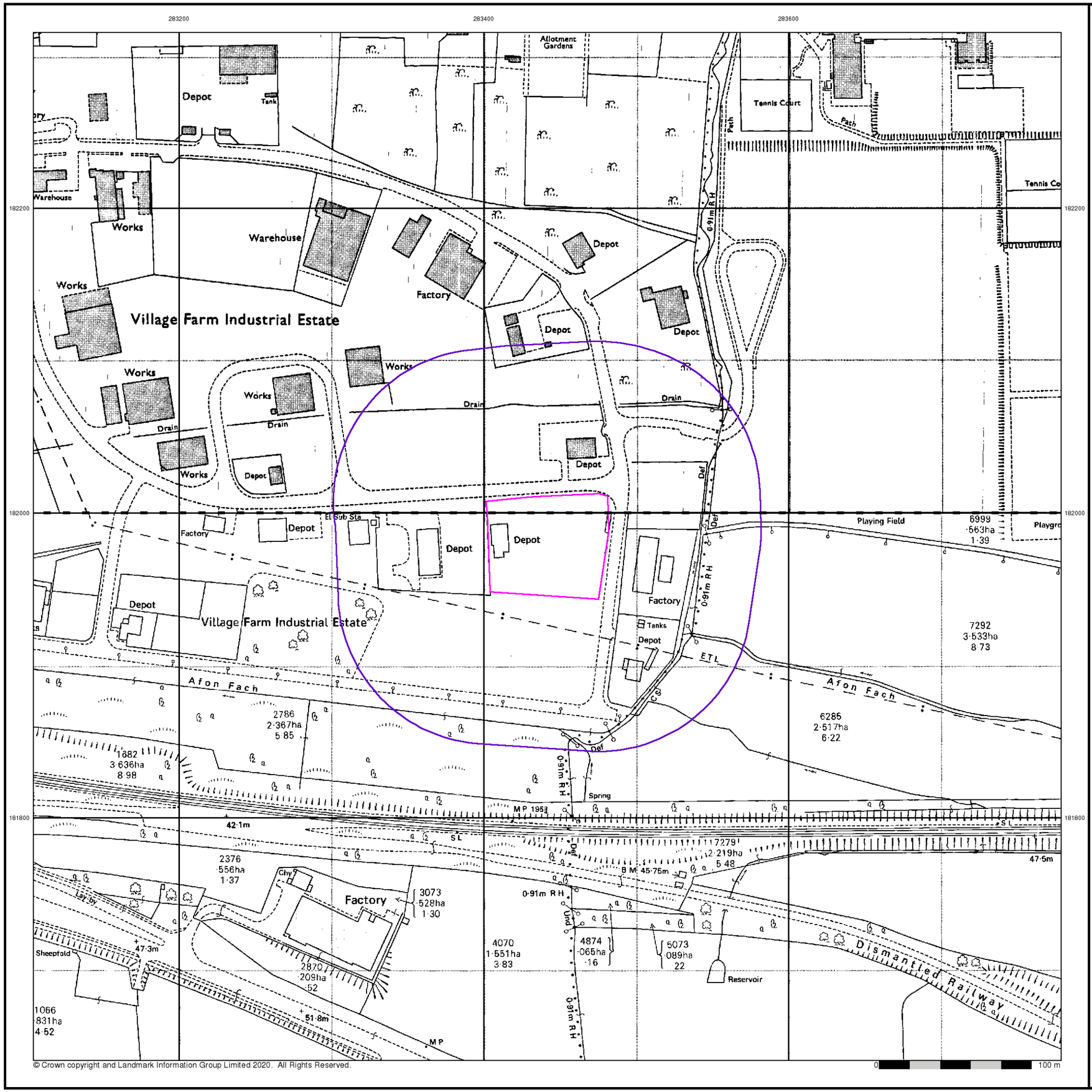

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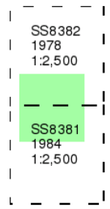
Ordnance Survey Plan

Published 1978 - 1984

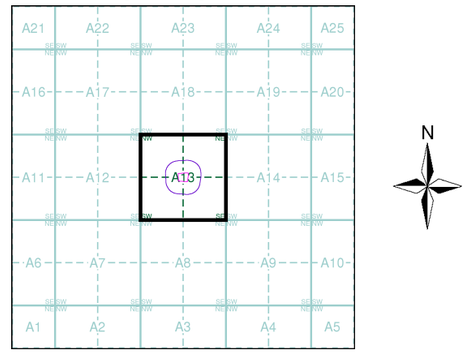
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	268881352_1_1
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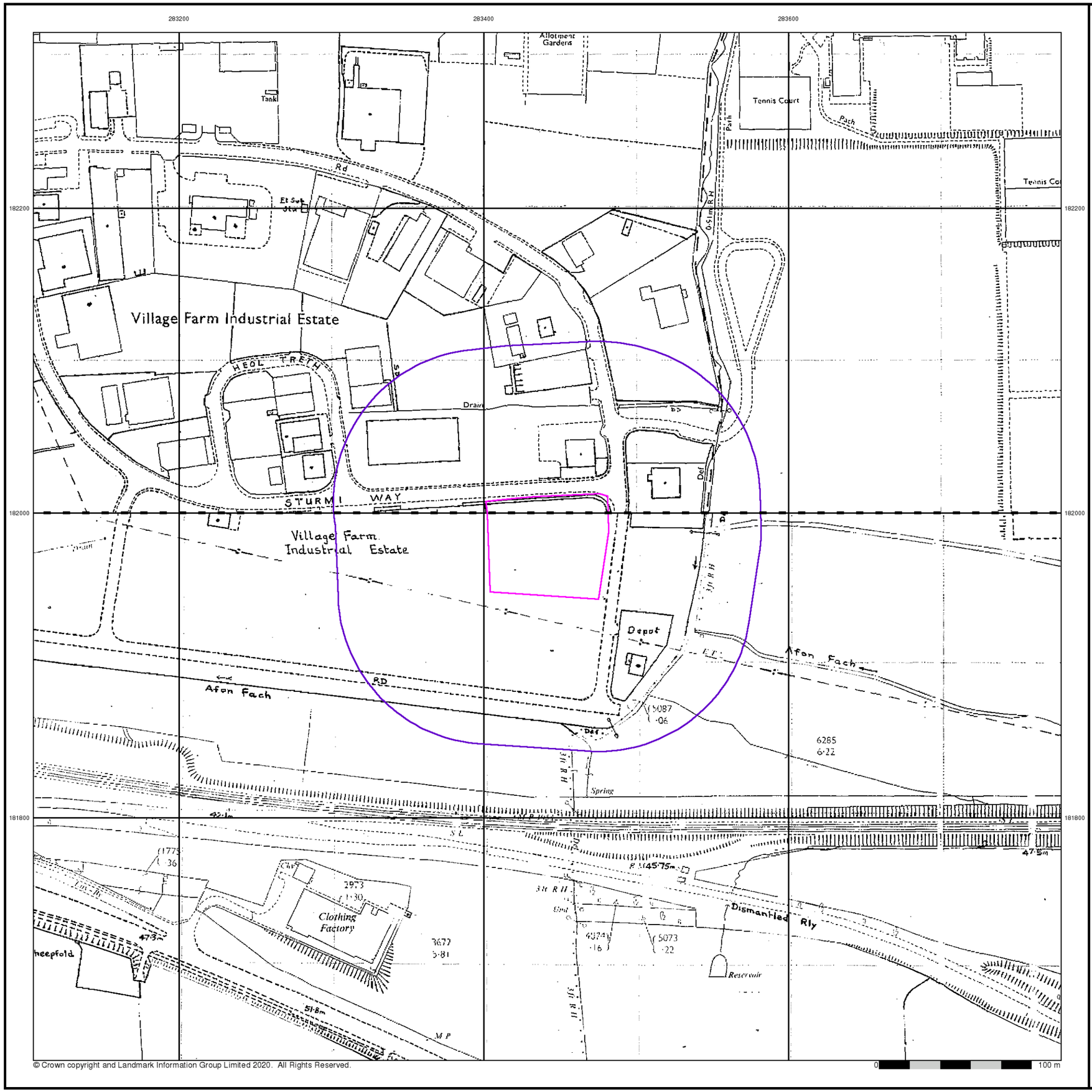

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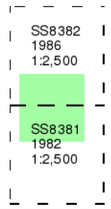
Additional SIMs

Published 1982 - 1986

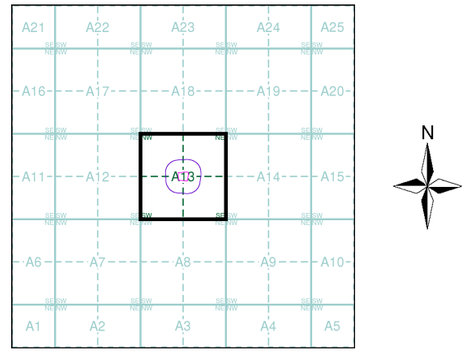
Source map scale - 1:2,500

The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	268881352_1_1
Customer Ref:	20241
National Grid Reference:	283440, 181980
Slice:	A
Site Area (Ha):	0.5
Search Buffer (m):	100

Site Details

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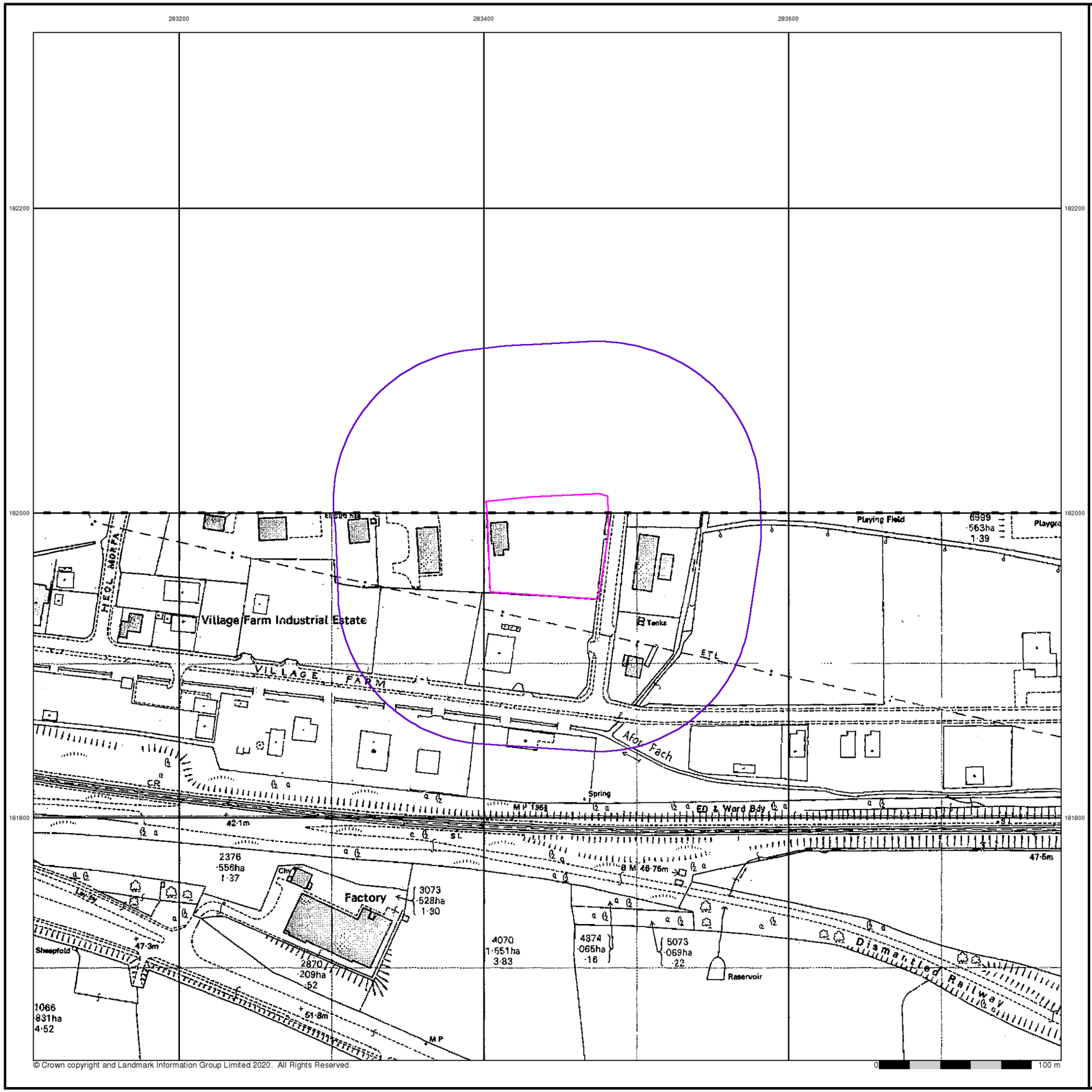

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Additional SIMs

Published 1984

Source map scale - 1:2,500

The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

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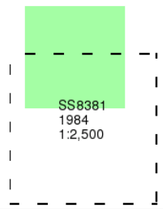

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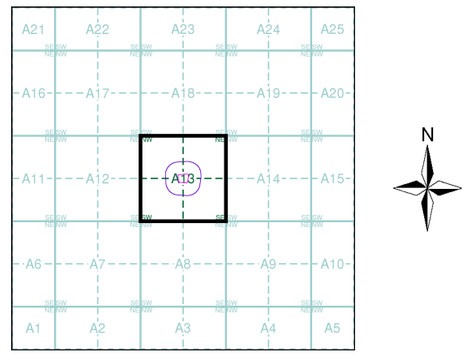

Order Details

Order Number:	268881352_1_1
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Slice:	A
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Search Buffer (m):	100

Site Details

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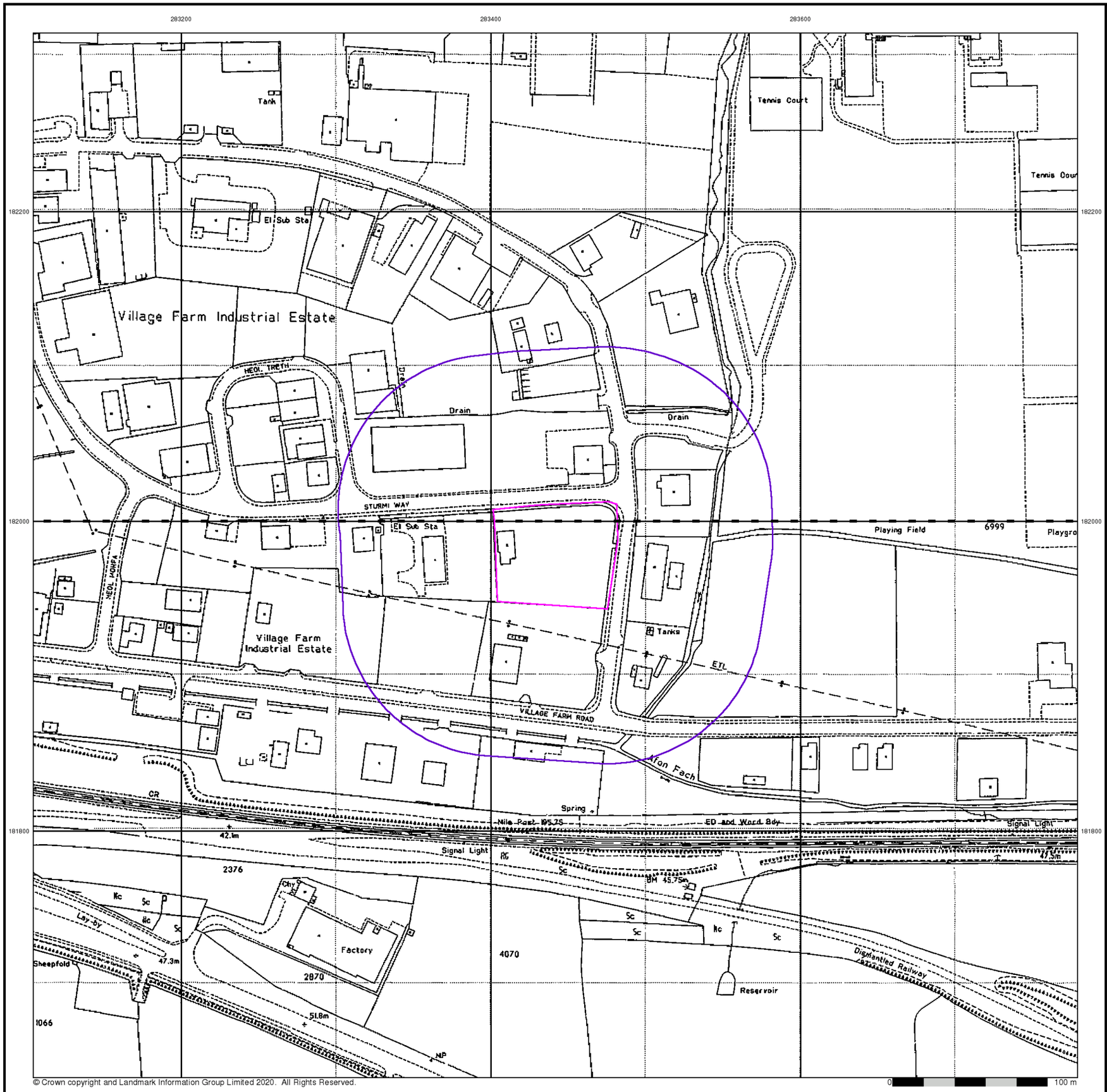

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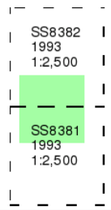
Large-Scale National Grid Data

Published 1993

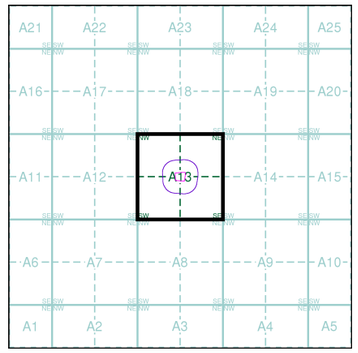
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

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Customer Ref:	20241
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Slice:	A
Site Area (Ha):	0.5
Search Buffer (m):	100

Site Details

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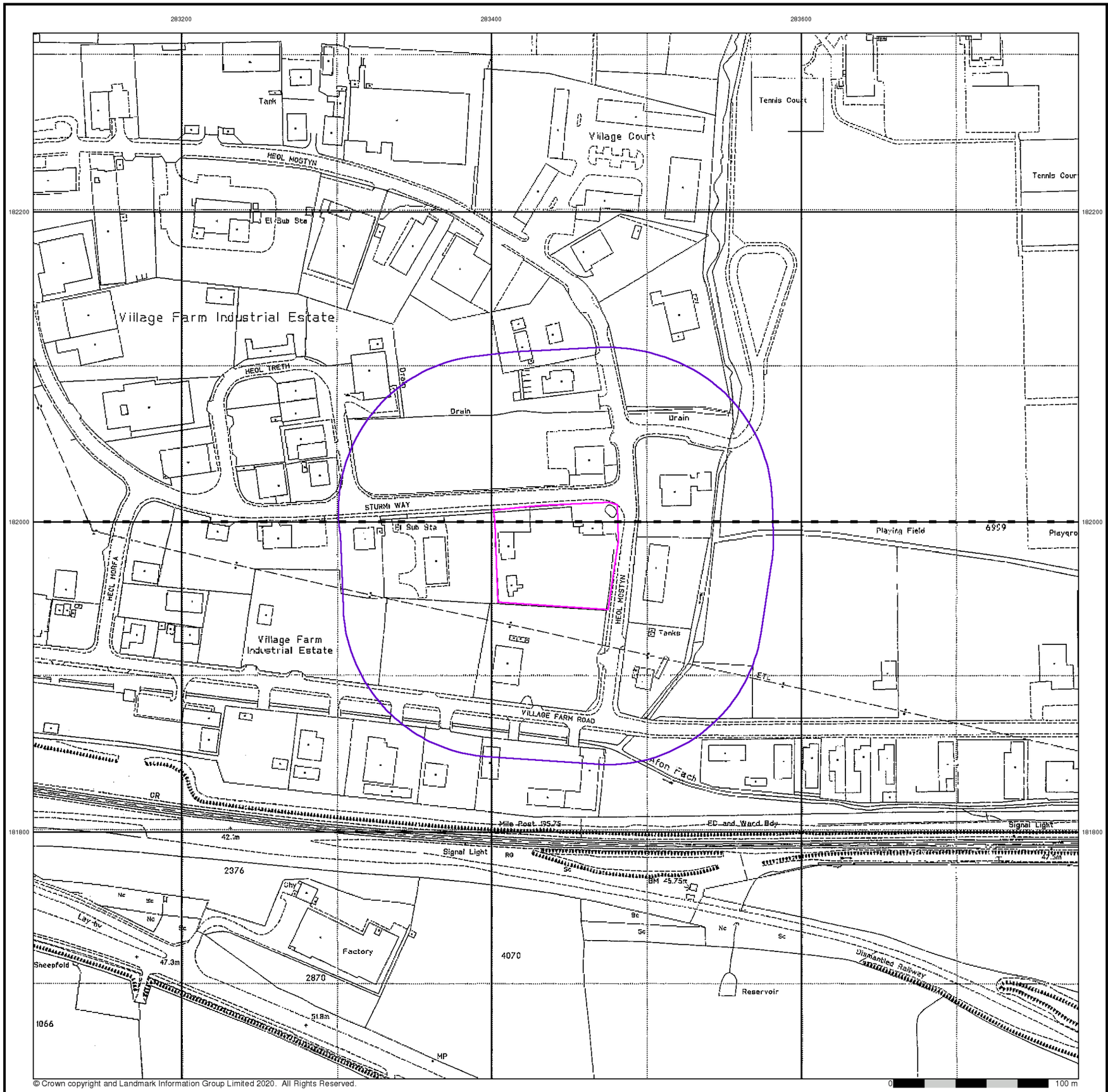

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Large-Scale National Grid Data

Published 1995

Source map scale - 1:2,500

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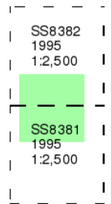
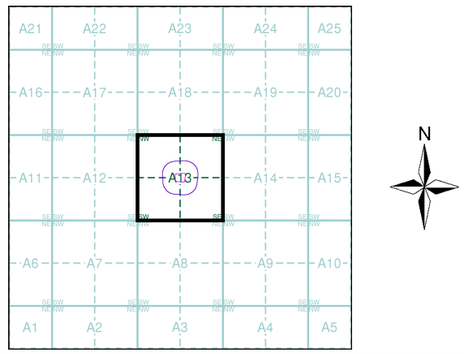
Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

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Site Details

Site at, Pyle/Y Pil, Neath Port Talbot

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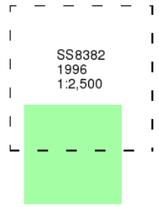
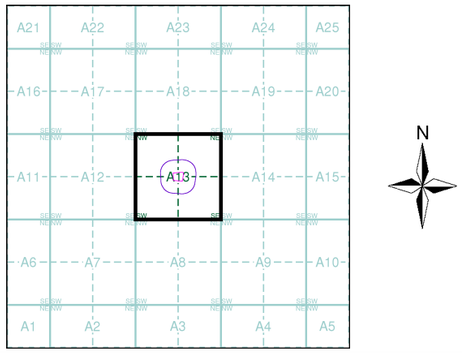


Historical Map - Segment A13



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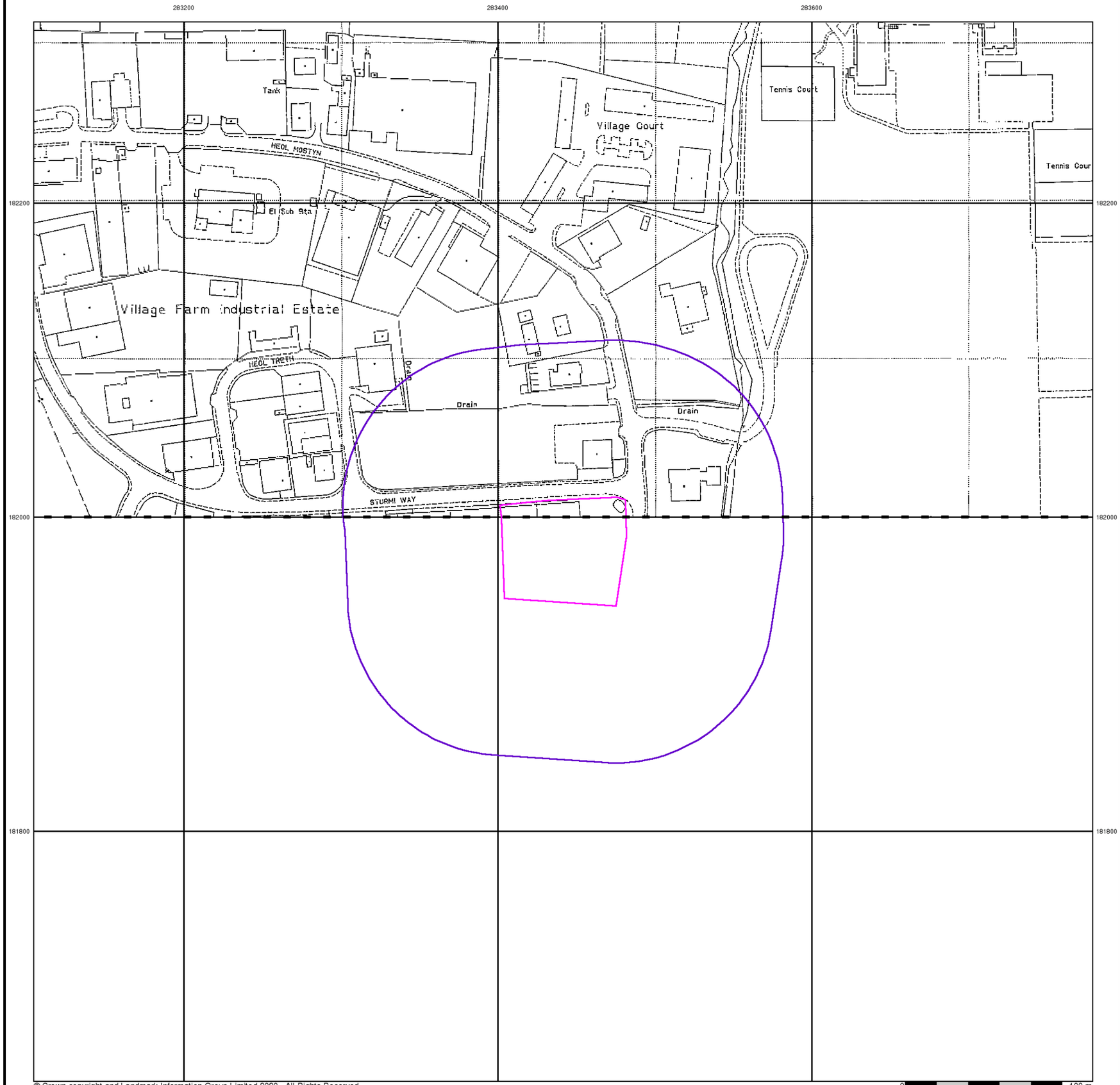

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0 100 m

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Large-Scale National Grid Data

Published 1996

Source map scale - 1:2,500

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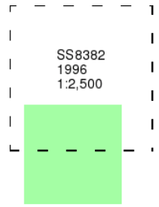
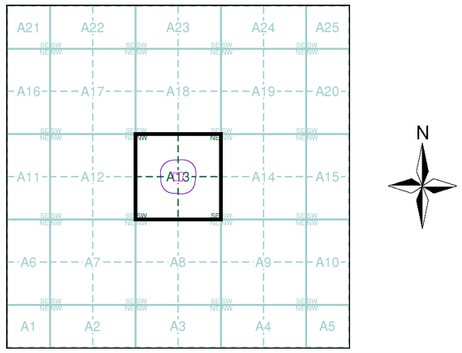
Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

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Site Area (Ha):	0.5
Search Buffer (m):	100

Site Details

Site at, Pyle/Y Pil, Neath Port Talbot

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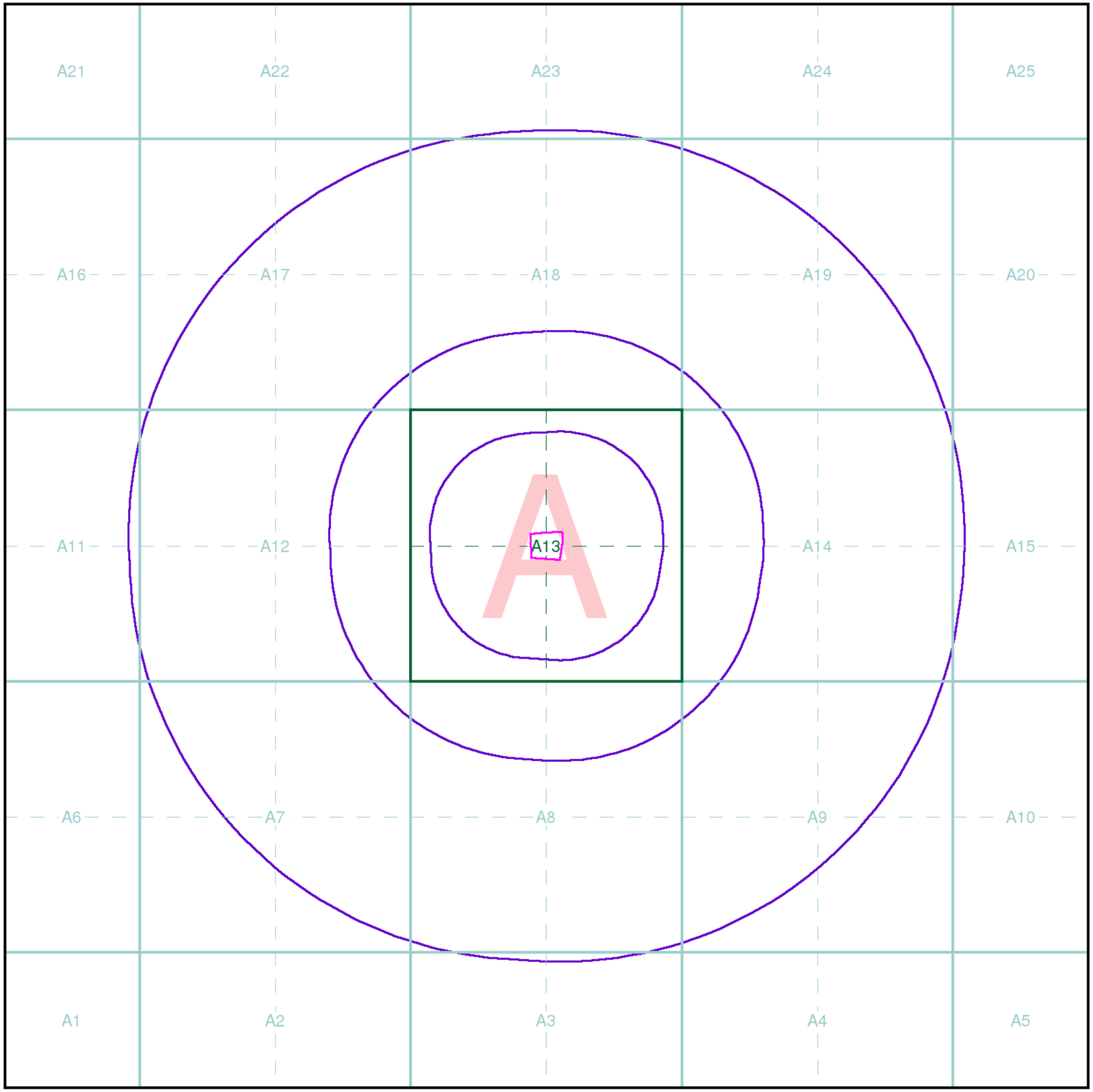
Appendix E: Envirocheck Report



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Index Map

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

Slice
Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

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

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

A selection of organisations who provide data within this report:

Map data

British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

Cyfoeth Naturiol Cymru
Natural Resources Wales

Envirocheck reports are compiled from 136 different sources of data.

Client Details
Mr A Egan, Yellow Sub Geo Ltd, 7 Neptune Courtt, Vangaurd Way, Cardiff, CF24 5PJ

Order Details

Order Number:	268881352_1_1
Customer Ref:	20241
National Grid Reference:	283440, 181980
Site Area (Ha):	0.5
Search Buffer (m):	1000

Site Details
Site at, Pyle/Y Pil, Neath Port Talbot

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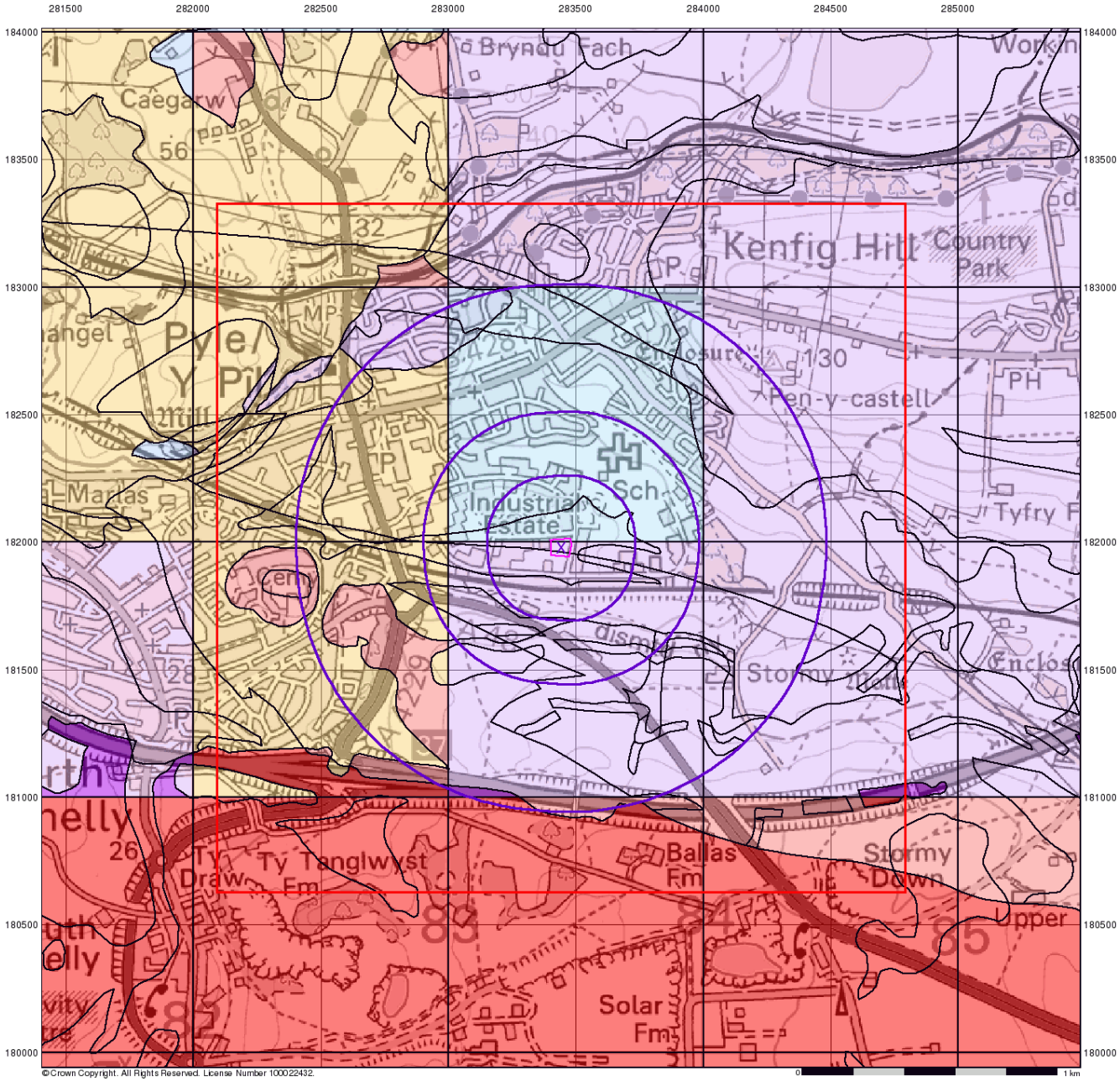

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Groundwater Vulnerability

General

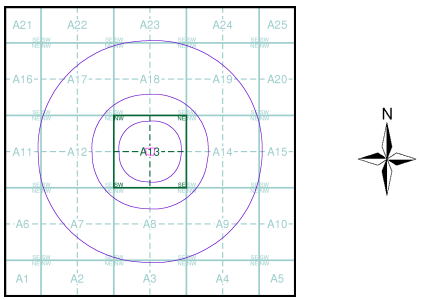
Specified Site
Specified Buffer(s)
Bearing Reference Point
Slice
Map ID

Agency and Hydrological

Bedrock Aquifers	Superficial Aquifers
High Vulnerability, Principal Aquifer	High Vulnerability, Principal Aquifer
High Vulnerability, Secondary Aquifer	High Vulnerability, Secondary Aquifer
Medium Vulnerability, Principal Aquifer	Medium Vulnerability, Principal Aquifer
Medium Vulnerability, Secondary Aquifer	Medium Vulnerability, Secondary Aquifer
Low Vulnerability, Principal Aquifer	Low Vulnerability, Principal Aquifer
Low Vulnerability, Secondary Aquifer	Low Vulnerability, Secondary Aquifer

Unproductive Aquifer
Soluble Rock

Site Sensitivity Context Map - Slice A



Order Details

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Site Details

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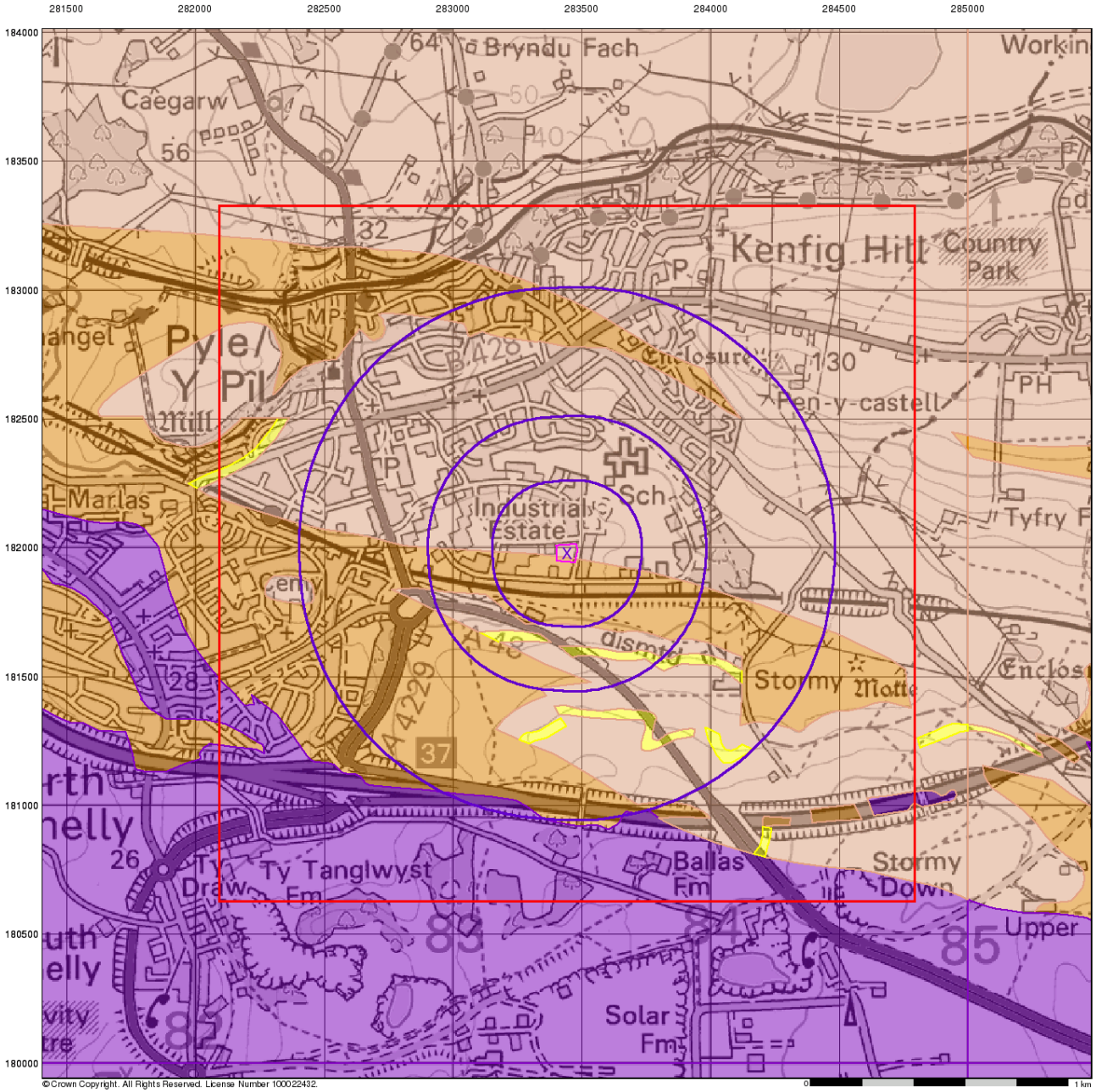

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Bedrock Aquifer Designation

General

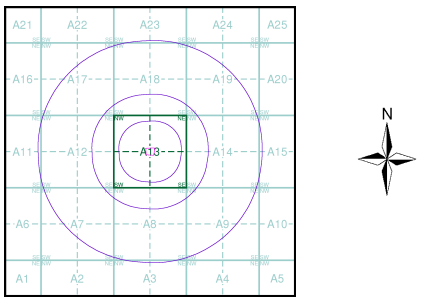
Specified Site
Specified Buffer(s)
Bearing Reference Point
Slice
Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



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Search Buffer (m):	1000

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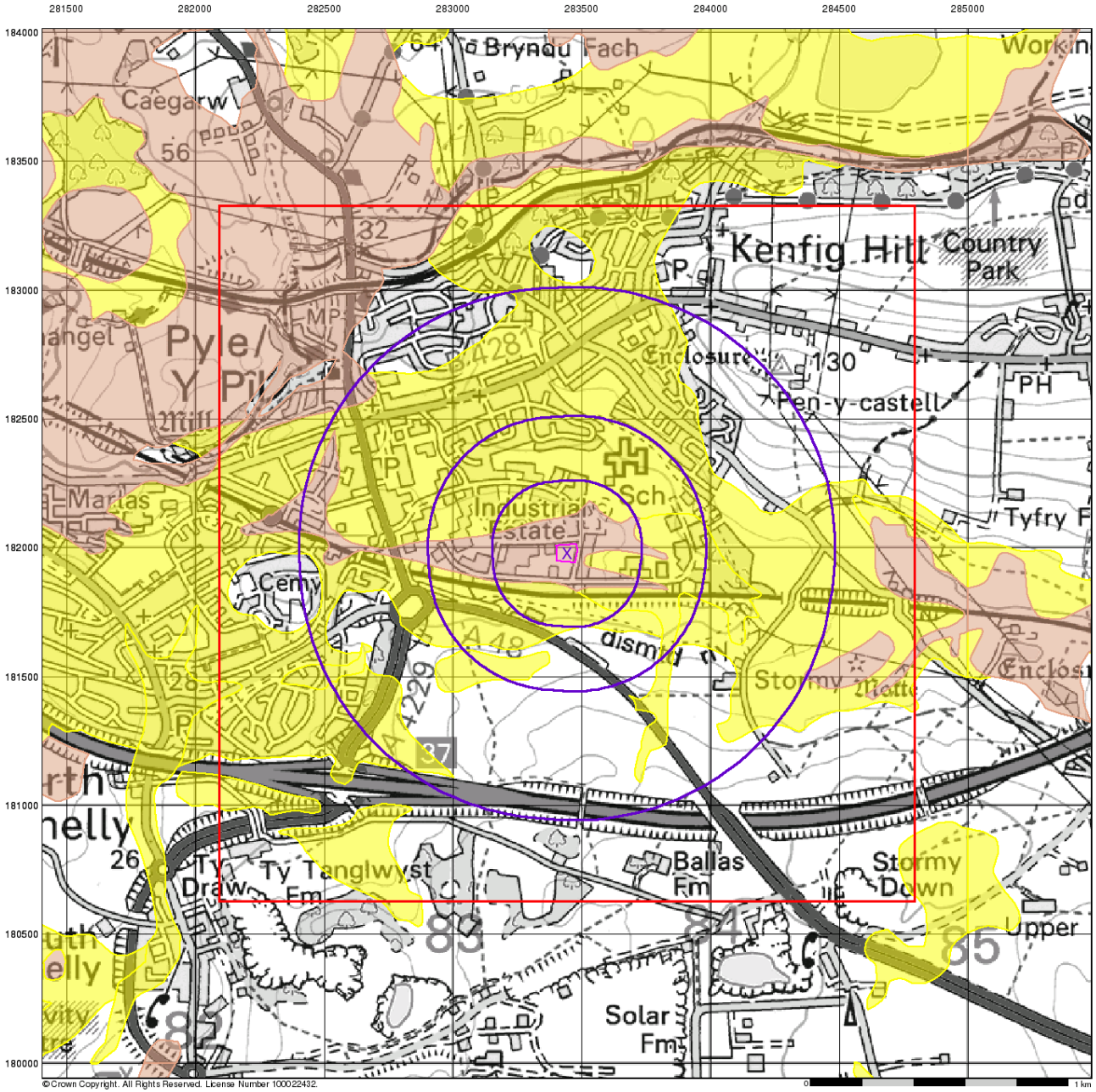

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Superficial Aquifer Designation

General

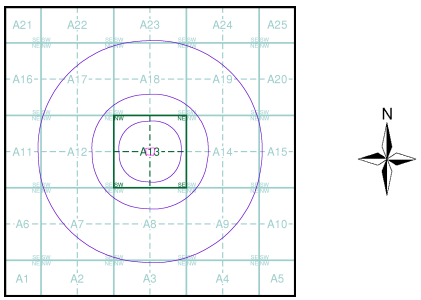
Specified Site
Specified Buffer(s)
Bearing Reference Point
Slice
Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



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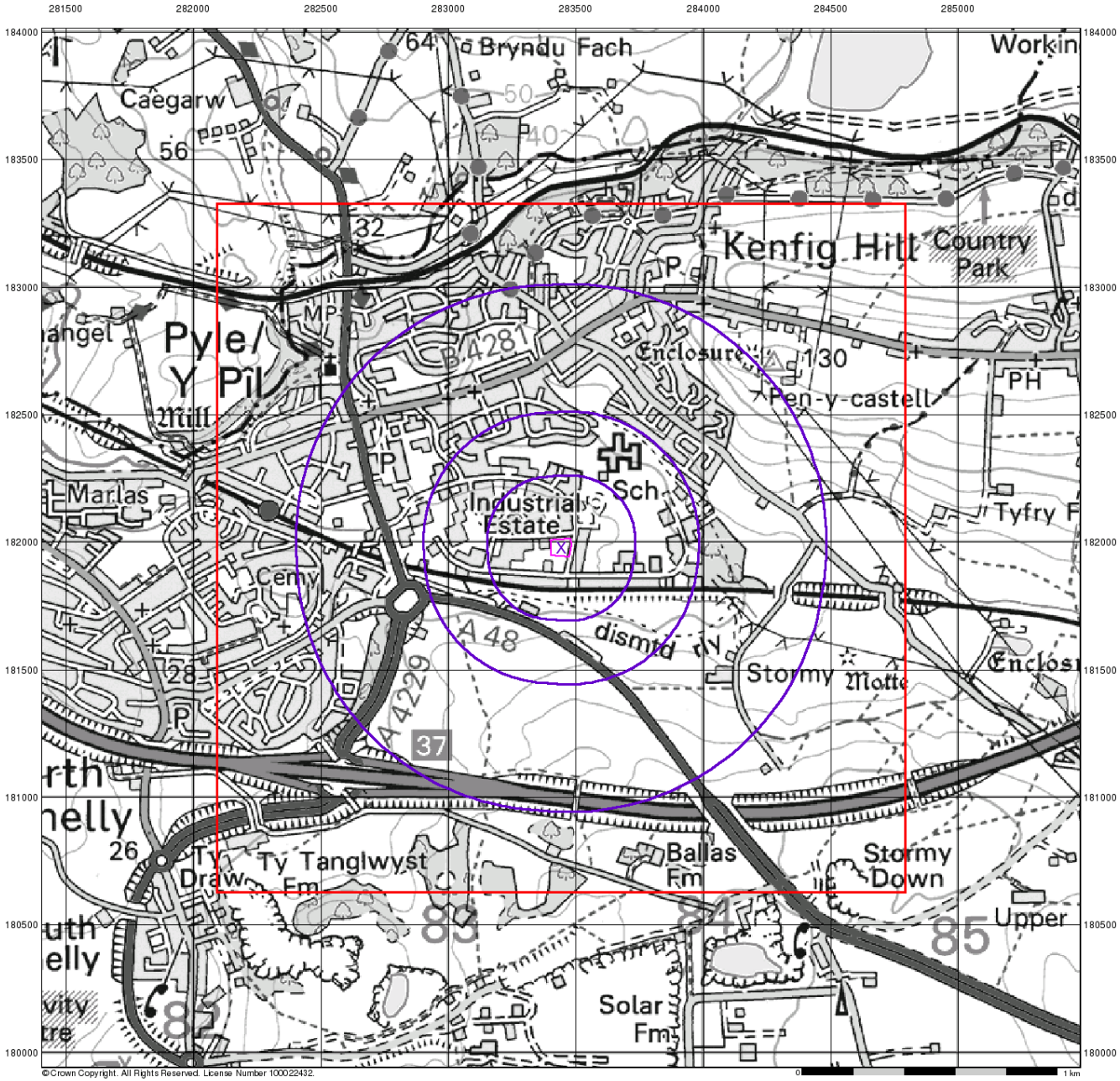

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Source Protection Zones

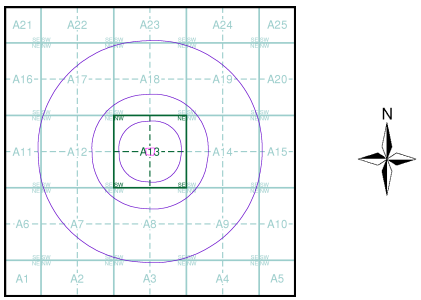
General

Specified Site
Specified Buffer(s)
Bearing Reference Point
Slice
Map ID

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

Site Sensitivity Context Map - Slice A



Order Details

Order Number:	268881352_1_1
Customer Ref:	20241
National Grid Reference:	283440, 181980
Slice:	A
Site Area (Ha):	0.5
Search Buffer (m):	1000

Site Details

Site at, Pyle/Y Pil, Neath Port Talbot

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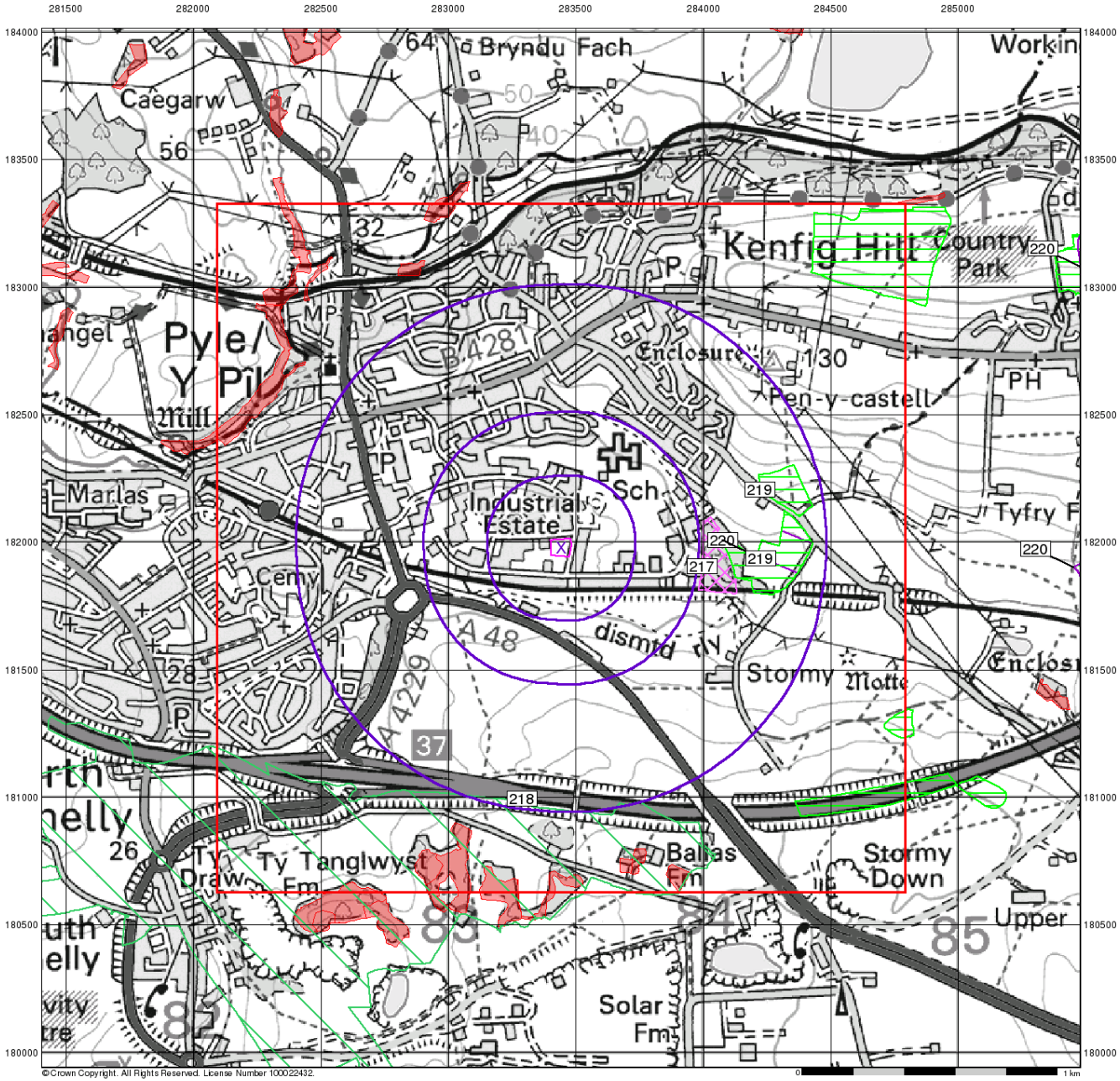
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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Sensitive Land Uses

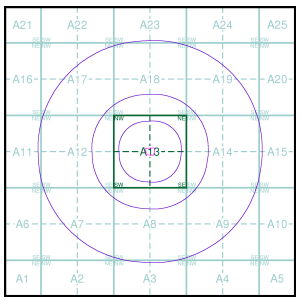
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

Site Sensitivity Context Map - Slice A



N

Order Details

Order Number:	268881352_1_1
Customer Ref:	20241
National Grid Reference:	283440, 181980
Slice:	A
Site Area (Ha):	0.5
Search Buffer (m):	1000

Site Details

Site at, Pyle/Y Pil, Neath Port Talbot

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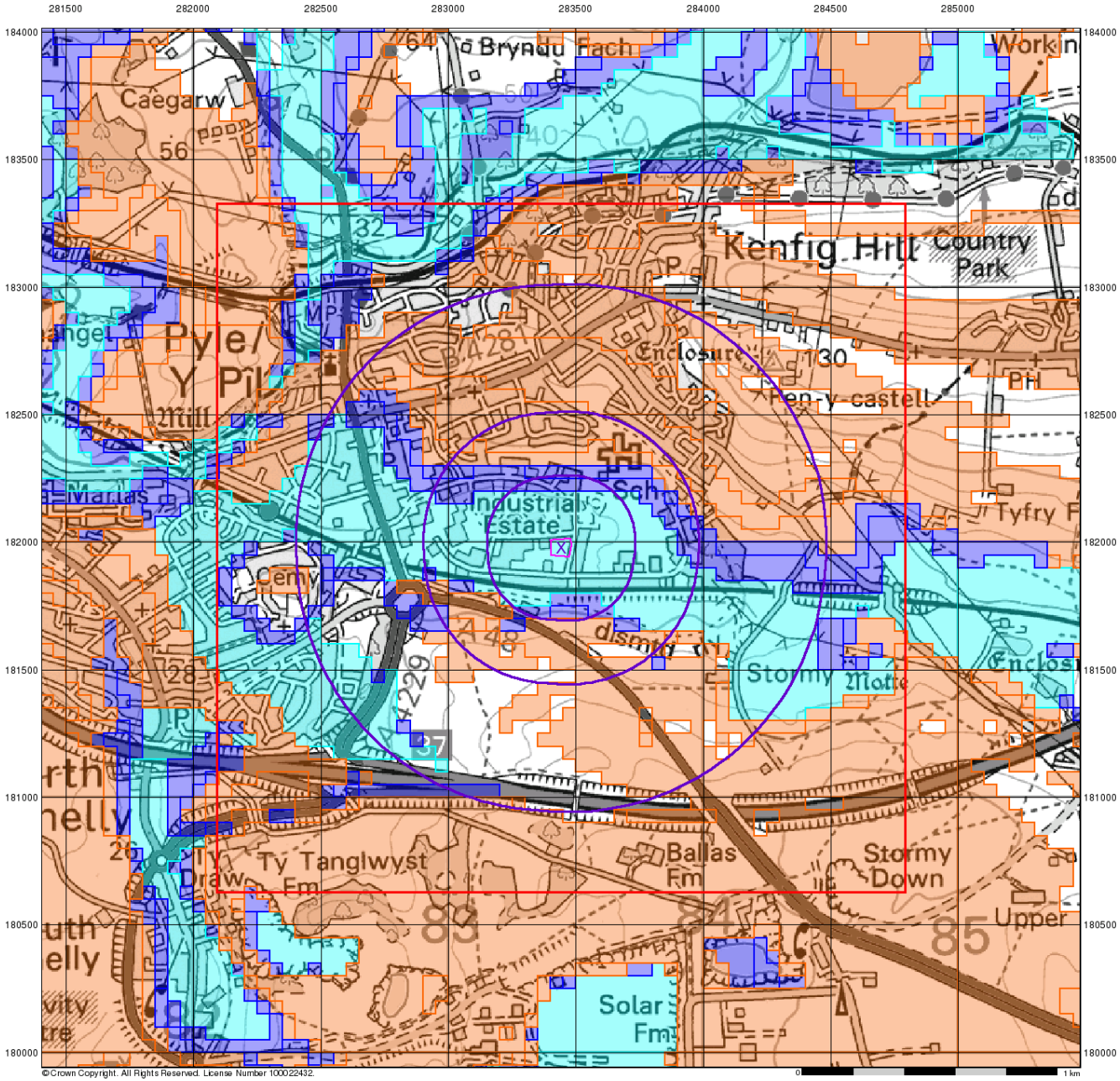
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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BGS Flood GFS Data

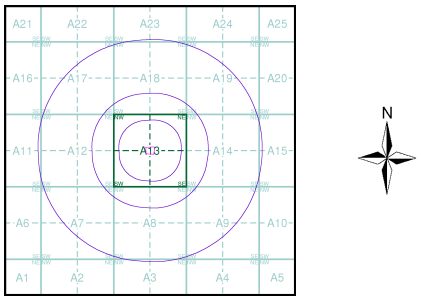
General

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

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice A



Order Details

Order Number:	268881352_1_1
Customer Ref:	20241
National Grid Reference:	283440, 181980
Slice:	A
Site Area (Ha):	0.5
Search Buffer (m):	1000

Site Details

Site at, Pyle/Y Pil, Neath Port Talbot

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Envirocheck® Report:

Datasheet

Order Details:

Order Number:
268881352_1_1

Customer Reference:
20241

National Grid Reference:
283440, 181980

Slice:
A

Site Area (Ha):
0.5

Search Buffer (m):
1000

Site Details:

Site at
Pyle/Y Pil
Neath Port Talbot

Client Details:

Mr A Egan
Yellow Sub Geo Ltd
7 Neptune Courtt
Vangaurd Way
Cardiff
CF24 5PJ

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Contents

Report Section	Page Number
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Agency & Hydrological	1
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Data Suppliers	54
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Introduction

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

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Report Version v53.0

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2		4		3
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls	pg 4			3	
Integrated Pollution Prevention And Control	pg 4			4	
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 5		2	1	2
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 5		Yes		
Pollution Incidents to Controlled Waters	pg 6		16	15	14
Prosecutions Relating to Authorised Processes	pg 13		2	2	1
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 14			1	
Water Abstractions	pg 14				(*2)
Water Industry Act Referrals	pg 14			1	
Groundwater Vulnerability Map	pg 15	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 15	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 15	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 15	Yes		n/a	n/a
Flooding from Rivers or Sea without Defences	pg 15	Yes	Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 16		30	25	33

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)	pg 26			1	
Licensed Waste Management Facilities (Locations)	pg 26		5	4	2
Local Authority Landfill Coverage	pg 28	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 28				1
Registered Landfill Sites	pg 29				1
Registered Waste Transfer Sites	pg 29		2		
Registered Waste Treatment or Disposal Sites	pg 30		1	1	
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					
Geological					
BGS 1:625,000 Solid Geology	pg 31	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 31				5
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 31	Yes	n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 32		Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 32	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 32	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 32	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 32	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 32	Yes		n/a	n/a
Radon Potential - Radon Affected Areas	pg 32	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 32	Yes	n/a	n/a	n/a

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 33	2	56	74	27
Fuel Station Entries	pg 48				3
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves	pg 49				1
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 49				1
Ramsar Sites					
Sites of Special Scientific Interest	pg 49				1
Special Areas of Conservation	pg 49				1
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (NE)	0	1	283442 181979
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	144	1	283442 181800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	188	1	283442 182200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	194	1	283442 181750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (S)	199	1	283400 181750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	238	1	283442 182250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	244	1	283442 181700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	252	1	283250 181750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	270	1	283300 181700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	288	1	283442 182300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	300	1	283650 181700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	320	1	283100 181850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	322	1	283200 181700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	338	1	283442 182350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	362	1	283300 181600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (NE)	371	1	283800 182200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (NW)	387	1	283100 182250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (SW)	393	1	283100 181700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (NE)	395	1	283850 182150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (NE)	399	1	283800 182250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	429	1	283900 182100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SW)	451	1	283000 181750

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	457	1	282950 181900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	471	1	283950 182050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (SE)	476	1	283850 181650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	493	1	283550 182500
1	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Station - Water Company Location: Swo At Village Farm Ps Pyle Authority: Natural Resources Wales Catchment Area: Afon Kenfig Reference: BW3207101 Permit Version: 1 Effective Date: 19th October 1989 Issued Date: 19th October 1989 Revocation Date: 7th February 2003 Discharge Type: Unspecified Discharge Environment: Not Supplied Receiving Water: Afon Fach **Status: New Consent, by Application (Water Resources Act 1991, Section 88)** Positional Accuracy: Located by supplier to within 100m	A13NW (W)	212	2	283190 181990
2	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Staions Location: Village Farm Ps Village Farm Pyle, Village Farm, Bridgend Authority: Natural Resources Wales Catchment Area: KENFIG - HEADWATERS TO TIDAL Reference: Bw3207101 Permit Version: 3 Effective Date: 1st April 2006 Issued Date: 31st March 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Afon Fach **Status: Effective** Positional Accuracy: Located by supplier to within 10m	A13SW (W)	238	2	283174 181890
2	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Staions Location: Village Farm Ps Village Farm Pyle, Village Farm, Bridgend Authority: Natural Resources Wales Catchment Area: KENFIG - HEADWATERS TO TIDAL Reference: Bw3207101 Permit Version: 3 Effective Date: 1st April 2006 Issued Date: 31st March 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Afon Fach **Status: Effective** Positional Accuracy: Located by supplier to within 10m	A13SW (W)	238	2	283174 181890

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	**Discharge Consents** Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Station - Water Company Location: Village Farm Ps Village Farm Pyle, Village Farm, Bridgend Authority: Natural Resources Wales Catchment Area: Afon Kenfig Reference: Bw3207101 Permit Version: 2 Effective Date: 8th February 2003 Issued Date: 7th February 2003 Revocation Date: 30th March 2006 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Afon Fach **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A13SW (W)	238	2	283174 181890
3	**Discharge Consents** Operator: Bridgend County Borough Council Property Type: Industrial Parks & Estates Location: Village Farm Ind Est Pyle Bridgend, Village Farm Ind Estate, Pyle, Bridgend, Wales Authority: Natural Resources Wales Catchment Area: KENFIG - HEADWATERS TO TIDAL Reference: Bb4002201 Permit Version: 1 Effective Date: 8th February 1973 Issued Date: 8th February 1973 Revocation Date: Not Supplied Discharge Type: Miscellaneous Discharges - Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: Trib Of Afon Fach **Status: Effective** Positional Accuracy: Located by supplier to within 10m	A12SE (W)	624	2	282780 181960
3	**Discharge Consents** Operator: Bridgend County Borough Council Property Type: Industrial Parks & Estates Location: Village Farm Ind Est Pyle Bridgend, Village Farm Ind Estate, Pyle, Bridgend, Wales Authority: Natural Resources Wales Catchment Area: Not Given Reference: BB4002201 Permit Version: 1 Effective Date: 8th February 1973 Issued Date: 8th February 1973 Revocation Date: Not Supplied Discharge Type: Miscellaneous Discharges - Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: Trib Of Afon Fach **Status: New Consent, by Application (Water Resources Act 1991, Section 88)** Positional Accuracy: Located by supplier to within 10m	A12SE (W)	624	2	282780 181960
3	**Discharge Consents** Operator: Bridgend County Borough Council Property Type: Industrial Parks & Estates Location: Village Farm Ind Est Pyle Bridgend, Village Farm Ind Estate, Pyle, Bridgend, Wales Authority: Natural Resources Wales Catchment Area: KENFIG - HEADWATERS TO TIDAL Reference: BB3011901 Permit Version: 1 Effective Date: 6th February 1969 Issued Date: 6th February 1969 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Site Drainage Discharge Environment: Freshwater Stream/River Receiving Water: Afon Fach **Status: Effective** Positional Accuracy: Located by supplier to within 100m	A12SE (W)	624	2	282780 181960

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	**Integrated Pollution Controls** Name: Modco Developments Ltd Location: Sturmi Way, Village Farm Industrial Estate, BRIDGEND, Mid Glamorgan, CF33 6BZ Authority: Environment Agency, Welsh Region Permit Reference: BH2413 Dated: 16th December 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Revoked - Now IPPC** Positional Accuracy: Manually positioned within the geographical locality	A12NE (W)	487	3	282927 182115
4	**Integrated Pollution Controls** Name: Modco Developments Ltd Location: Sturmi Way, Village Farm Industrial Estate, BRIDGEND, Bridgend, CF33 6NU Authority: Environment Agency, Welsh Region Permit Reference: BE2085 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned within the geographical locality	A12NE (W)	492	3	282922 182115
4	**Integrated Pollution Controls** Name: Modco Developments Ltd Location: Sturmi Way, Village Farm Industrial Estate, BRIDGEND, Mid Glamorgan, CF33 6BZ Authority: Environment Agency, Welsh Region Permit Reference: BA1443 Dated: 13th March 1998 Process Type: IPC new application Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned within the geographical locality	A12NE (W)	493	3	282922 182120
5	**Integrated Pollution Prevention And Control** Name: Abril Industrial Waxes Ltd Location: Pyle Waxes, Sturmi Way, Village Farm Industrial Estate,Pyle,, CF33 6NU Authority: Natural Resources Wales Permit Reference: EP3532VQ Original Permit Ref: Bv5858iw Effective Date: 19th June 2014 **Status: Effective** Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: Y	A13NW (NW)	350	2	283109 182200
5	**Integrated Pollution Prevention And Control** Name: Pyle Waxes Epr/Bv5858iw Location: Sturmi Way, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BZ Authority: Natural Resources Wales Permit Reference: Bv5858iw Original Permit Ref: Ep3532vq Effective Date: 19th June 2014 **Status: Effective** Application Type: Bespoke App. Sub Type: Not Supplied Positional Accuracy: Automatically positioned to the address Activity Code: 4.1 PART A (1) A) (II) Activity Description: Not Supplied Primary Activity: Y	A13NW (NW)	350	2	283109 182200
5	**Integrated Pollution Prevention And Control** Name: Abril Industrail Waxes Location: Pyle Waxes, Sturmi Way, Village Farm Industrial Estate,Pyle,, CF33 6NU Authority: Natural Resources Wales Permit Reference: UP3736WM Original Permit Ref: Bv5858iw Effective Date: Not Supplied **Status: Application refused** Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: Y	A13NW (NW)	350	2	283109 182200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	**Integrated Pollution Prevention And Control** Name: Abril Industrial Waxes Ltd Location: Pyle Waxes, Sturmi Way, Village Farm Industrial Estate, Pyle, CF33 6NU Authority: Natural Resources Wales Permit Reference: GP3037UP Original Permit Ref: Bv5858iw Effective Date: 16th January 2008 **Status: Superseded By Variation** Application Type: Variation App. Sub Type: Standard Positional Accuracy: Located by supplier to within 100m Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: Y	A12NE (NW)	358	2	283100 182200
6	**Local Authority Pollution Prevention and Controls** Name: Wern Tarw Recycling Ltd Location: Village Farm Industrial Estate, Pyle, BRIDGEND, Mid Glamorgan, CF33 6BN Authority: Bridgend County Borough Council, Environmental Health Department Permit Reference: 83 Dated: 21st January 1999 Process Type: Local Authority Pollution Prevention and Control Description: PG3/8 Quarry processes including roadstone plants and the size reduction of bricks, tiles and concrete **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A13SW (SW)	40	4	283410 181908
7	**Local Authority Pollution Prevention and Controls** Name: Kontoor South Wales Ltd Location: Sturmi Way, Village Farm Industrial Estate, PYLE, CF33 6BZ Authority: Bridgend County Borough Council, Environmental Health Department Permit Reference: 69 Dated: 11th February 1999 Process Type: Local Authority Pollution Prevention and Control Description: PG6/2 Manufacture of timber and wood-based products **Status: Permitted** Positional Accuracy: Automatically positioned to the address	A13NW (W)	232	4	283179 182073
8	**Local Authority Pollution Prevention and Controls** Name: Celtic Recycling Ltd Location: Unit 37 Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6NH Authority: Bridgend County Borough Council, Environmental Health Department Permit Reference: 60 Dated: 24th January 1994 Process Type: Local Authority Pollution Prevention and Control Description: PG2/9 Metal decontamination processes **Status: Authorisation certificate surrendered by operator** Positional Accuracy: Located by supplier to within 100m	A12NE (W)	402	4	283000 182000
9	**Local Authority Pollution Prevention and Controls** Name: Poacher & Davies Location: Plot 7B, Village Farm Industrial Estate, Pyle, BRIDGEND, Mid Glamorgan, CF33 6BJ Authority: Bridgend County Borough Council, Environmental Health Department Permit Reference: 49 Dated: 30th March 1994 Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles **Status: Authorised** Positional Accuracy: Manually positioned within the geographical locality	A12NE (W)	536	4	282898 182190
10	**Local Authority Pollution Prevention and Controls** Name: Co-Operative Service Station Location: Pyle, BRIDGEND, Mid Glamorgan, CF Authority: Bridgend County Borough Council, Environmental Health Department Permit Reference: 76 Dated: 22nd January 1999 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station **Status: Permitted** Positional Accuracy: Located by supplier to within 100m	A12NW (NW)	760	4	282700 182300
	Nearest Surface Water Feature	A13NE (NE)	58	-	283489 182069

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	**Pollution Incidents to Controlled Waters** Property Type: Waste Handling Facilities Location: Scorpio Signs Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Inadequate Design/Capacity Incident Date: 30th September 1994 Incident Reference: 21181 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	3	3	283400 182000
12	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, Welsh Region Pollutant: Rubble/Litter Or Solids Note: Marlas - Tributary Of Afon Fach Incident Date: 26th January 1998 Incident Reference: 34670 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	14	3	283495 182005
12	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Next To, Pyle Rfc Authority: Environment Agency, Welsh Region Pollutant: Heavy Fuel Oil Note: Afan Fach Incident Date: 6th January 1998 Incident Reference: 34530 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	19	3	283500 182005
12	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, Welsh Region Pollutant: Heavy Fuel Oil Note: Not Supplied Incident Date: 7th September 1996 Incident Reference: 30057 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (E)	19	3	283500 182000
12	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Near Suite Factory Warehouse Authority: Environment Agency, Welsh Region Pollutant: Heavy Fuel Oil Note: Not Supplied Incident Date: 7th September 1996 Incident Reference: 30057 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (E)	19	3	283500 181995
12	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Student Village Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 7th September 1996 Incident Reference: 30057 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (E)	24	3	283505 181995

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Village Farm Industrial Estate, Near Stone Bridge Authority: Environment Agency, Welsh Region Pollutant: Heavy Fuel Oil Note: Not Supplied Incident Date: 7th September 1996 Incident Reference: 30057 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (E)	24	3	283505 182000
12	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Village Farm Industrial Estate Authority: Environment Agency, Welsh Region Pollutant: Heavy Fuel Oil Note: Not Supplied Incident Date: 7th September 1996 Incident Reference: 30057 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (E)	24	3	283505 182005
13	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Village Farm Industrial Estate Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: Nant Afan Fach; Run-Off Incident Date: 9th December 1997 Incident Reference: 34387 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Neglect Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	49	3	283400 181900
14	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Surface Water Outfall Location: Opposite T-Junction, In Village Farm, Industrial Estate Authority: Environment Agency, Welsh Region Pollutant: Coal Solids Note: Inadequate Design/Capacity Incident Date: 7th February 1995 Incident Reference: 22640 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	51	3	283500 181900
14	**Pollution Incidents to Controlled Waters** Property Type: Warehouses Location: Village Farm, Industrial Estate Authority: Environment Agency, Welsh Region Pollutant: Agricultural: Carcasses Note: Inadequate Design/Capacity Incident Date: 13th March 1995 Incident Reference: 23231 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Spillage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	55	3	283500 181895
14	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Industrial Estate Authority: Environment Agency, Welsh Region Pollutant: Sewage - Treated Effluent Note: Not Supplied Incident Date: 11th February 1995 Incident Reference: 23096 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	57	3	283505 181895

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: At Village Farm Industrial Estate, Outside Finesse Furniture Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Note: Inadequate Design Incident Date: 17th February 1997 Incident Reference: 31482 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	A13SW (S)	149	3	283400 181800
15	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: By Pyle Rfc Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Note: Inadequate Design Incident Date: 17th February 1997 Incident Reference: 31482 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	A13SW (S)	154	3	283400 181795
16	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Other Location: Village Farm, Industrial Estate, PYLE Authority: Environment Agency, Welsh Region Pollutant: Rubble/Litter Or Solids Note: Mechanical Failure Incident Date: 1st July 1995 Incident Reference: 24794 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (W)	210	3	283200 181900
17	**Pollution Incidents to Controlled Waters** Property Type: Waste Handling Facilities Location: Village Farm, Pyle Industrial Estate, PYLE Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Neglect Incident Date: 24th November 1994 Incident Reference: 21891 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)	222	3	283200 182100
18	**Pollution Incidents to Controlled Waters** Property Type: Other Transport Location: Old Filter Beds Authority: Environment Agency, Welsh Region Pollutant: Chemicals - Other Organic Note: Accidental Spillage/Leakage Incident Date: 19th May 1995 Incident Reference: 24204 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Spillage Incident Severity: Category 1 - Major Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	272	3	283205 182195
18	**Pollution Incidents to Controlled Waters** Property Type: Other Transport Location: Behind Primary, School North, Cornelly Authority: Environment Agency, Welsh Region Pollutant: Chemicals - Other Organic Note: Accidental Spillage/Leakage Incident Date: 19th May 1995 Incident Reference: 24204 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Spillage Incident Severity: Category 1 - Major Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	275	3	283200 182195

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	**Pollution Incidents to Controlled Waters** Property Type: Other Transport Location: Village Farm, Industrial Estate, Abril, PYLE Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Accidental Spillage/Leakage Incident Date: 19th May 1995 Incident Reference: 24204 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Spillage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	279	3	283200 182200
19	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Village Farm Ie, PYLE Authority: Environment Agency, Welsh Region Pollutant: Heavy Fuel Oil Note: Poor Management Incident Date: 9th January 1997 Incident Reference: 30928 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	A13NE (N)	289	3	283500 182300
20	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Surface Water Outfall Location: Location Description Not Available Authority: Environment Agency, Welsh Region Pollutant: Agricultural: Carcasses Note: Not Supplied Incident Date: 17th March 1995 Incident Reference: 23249 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (W)	402	3	283005 181905
20	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Surface Water Outfall Location: MARSDEN Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Not Supplied Incident Date: 24th July 1995 Incident Reference: 25230 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (W)	403	3	283005 181895
20	**Pollution Incidents to Controlled Waters** Property Type: Waste Handling Facilities Location: Village Farm, PYLE Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: Not Supplied Incident Date: 8th January 1991 Incident Reference: 2646 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (W)	403	3	283005 181900
20	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Bottom, Marlas Hill, Cornelly Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: Not Supplied Incident Date: 17th March 1991 Incident Reference: 1872 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12SE (W)	404	3	283000 181950

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Pyle Industrial Estate Authority: Environment Agency, Welsh Region Pollutant: Rubbish Note: Not Supplied Incident Date: 26th February 1991 Incident Reference: 2654 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (W)	405	3	283000 181945
20	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Pyle Industrial Estate, PYLE Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: Nant Afan Fach Incident Date: 18th January 1998 Incident Reference: 34642 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (W)	407	3	283000 181905
20	**Pollution Incidents to Controlled Waters** Property Type: Waste Handling Facilities Location: Down Stream Of Garden, Entre Pyle Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 24th January 1992 Incident Reference: 2765 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (W)	408	3	283000 181900
20	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Garden Centre, KENFIG HILL Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Note: Not Supplied Incident Date: 29th March 1991 Incident Reference: 2657 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12SE (W)	408	3	283000 181895
21	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Village Farm Industrial Estate, PYLE Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Not Supplied Incident Date: 4th August 1994 Incident Reference: 20692 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12NE (W)	402	3	283000 182000
22	**Pollution Incidents to Controlled Waters** Property Type: Waste Handling Facilities Location: Garden Centre, PYLE Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 13th January 1992 Incident Reference: 3743 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (W)	454	3	282950 181950

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Garden Centre, PYLE Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 27th May 1992 Incident Reference: 4765 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NE (NW)	469	3	283000 182250
24	**Pollution Incidents to Controlled Waters** Property Type: Waste Handling Facilities Location: Pyle Adjacent To, Rugby Filed Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 23rd January 1992 Incident Reference: 3750 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12SE (W)	507	3	282900 181900
25	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: Not Supplied Incident Date: 16th March 1991 Incident Reference: 1871 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Runoff Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12NE (W)	509	3	282900 182095
25	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Crown, Pub Crown Road, PYLE Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: Not Supplied Incident Date: 16th March 1991 Incident Reference: 1871 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Runoff Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12NE (W)	510	3	282900 182100
26	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Parc Street Allotments Authority: Environment Agency, Welsh Region Pollutant: Chemicals - Other Organic Note: Not Supplied Incident Date: 11th October 1996 Incident Reference: 30192 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (N)	601	3	283600 182600
27	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Clark Garage, Pyle Road, PYLE Authority: Environment Agency, Welsh Region Pollutant: Heavy Fuel Oil Note: Surface Water Drains To Afon Kenfig; Burst Incident Date: 10th October 1997 Incident Reference: 33892 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NE (W)	602	3	282800 181995

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Garden Centre Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 22nd December 1995 Incident Reference: 26981 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NE (W)	602	3	282800 182000
28	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Near Pyle Rugby Club Authority: Environment Agency, Welsh Region Pollutant: Algae Note: Accidental Spillage/Leakage Incident Date: 16th May 1996 Incident Reference: 28501 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	A19SW (NE)	631	3	284000 182370
29	**Pollution Incidents to Controlled Waters** Property Type: Process Location: Village Farm, Industrial Estate Authority: Environment Agency, Welsh Region Pollutant: Milk/Creamery Wastes Note: Mechanical Failure Incident Date: 10th February 1995 Incident Reference: 22677 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	668	3	282950 182500
30	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Endeavor Works Authority: Environment Agency, Welsh Region Pollutant: Rubble/Litter Or Solids Note: Not Supplied Incident Date: 26th February 1996 Incident Reference: 27931 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	708	3	282700 182100
31	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Behind, Kenfig Hill Comprehensive School Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: 'Froggy' Pond On The Afon Kenfig; Leakage Incident Date: 29th September 1997 Incident Reference: 33863 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Vandalism Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SE (E)	739	3	284200 181800
32	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Opposite Crown Pub Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: Vandalism; Afon Fach Incident Date: 24th June 1998 Incident Reference: 36071 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Spillage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	753	3	282650 182050

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: M4 Westbound Junction 37 Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 28th June 1991 Incident Reference: 892 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	842	3	282600 181700
34	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: At Rt Clarke Garage, Leak From Underground Tanks, PYLE Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Note: Accident Incident Date: 15th January 1997 Incident Reference: 30931 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	A12NW (W)	853	3	282600 182300
35	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Bethel Mission Chapel, BETHESDA Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 13th September 1991 Incident Reference: 1526 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	888	3	283500 182900
36	**Prosecutions Relating to Authorised Processes** Location: Village Farm Industrial Estate, Pyle Prosecution Text: Depositing and burning waste paper Prosecution Act: Epa90 S33 & S34 Hearing Date: 5th June 2007 Verdict: Guilty Fine: 6200 Costs: 0 Positional Accuracy: Manually positioned within the geographical locality	A13SE (S)	72	3	283475 181872
37	**Prosecutions Relating to Authorised Processes** Location: Village Farm Industrial Estate, Pyle, Cf33 Prosecution Text: Operating an illegal waste transfer station Prosecution Act: Epa90 S33 & S34 Hearing Date: 8th May 2006 Verdict: Guilty Fine: 3500 Costs: 989 Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	238	3	283700 181867
38	**Prosecutions Relating to Authorised Processes** Location: Plot 107, Village Farm Industrial Estate, Pyle, BRIDGEND, Mid Glamorgan, CF33 Prosecution Text: EA News Release 19/08/1999 (Ref SM228/99KC), Depositing controlled waste on land where no waste management licence was in force and keeping controlled waste on land except under and in accordance with a waste management licence. Prosecution Act: EPA90 s33(1a)(1b) Hearing Date: 17th August 1999 Verdict: Guilty Fine: 1000 Costs: 400 Positional Accuracy: Manually positioned within the geographical locality	A12NE (W)	317	3	283104 182117

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	**Prosecutions Relating to Authorised Processes** Location: St. Davids House; Heol Morfa, Village Farm Industrial Estate, Pyle, BRIDGEND, Mid Glamorgan, CF33 6BJ Prosecution Text: EA News Release 23/12/1999, Burning waste in 1997 & 1998. Prosecution Act: EPA90 s33(1) Hearing Date: 21st December 1999 Verdict: Guilty Fine: 1000 Costs: 150 Positional Accuracy: Automatically positioned to the address	A12NE (NW)	465	3	283006 182251
40	**Prosecutions Relating to Authorised Processes** Location: 2 Heol Mostyn, Village Farm Industrial Estate, Pyle, Bridgend, Cf33 6bj Prosecution Text: Storing waste (including asbestos) on land without a WML Prosecution Act: Epa90 S33(1)(A) Hearing Date: 10th January 2007 Verdict: Guilty Fine: 10000 Costs: 5000 Positional Accuracy: Manually positioned to the address or location	A12NE (W)	595	3	282807 182033
41	**Substantiated Pollution Incident Register** Authority: Natural Resources Wales Incident Date: 24th July 2005 Incident Reference: 332608 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Oils - Diesel (Including Agricultural)	A13NW (NW)	320	2	283206 182260
	Water Abstractions Operator: R & M Lougher & Sons Licence Number: Wa/058/0033/0004 Permit Version: Not Supplied Location: Ty Tanglwyst Farm Bore Hole, Ty Tanglwyst Farm, Pyle, Bridgend, Cf33 4sa Authority: Natural Resources Wales Abstraction: Agriculture: Forestry: Animal Watering & General Use in Non Farming Situations Abstraction Type: Water may be abstracted from a single point Source: Groundwater 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	A1NE (SW)	1641	2	282212 180821
	Water Abstractions Operator: Messrs Lougher & Son Licence Number: 21/58/51/0030 Permit Version: 100 Location: U/G Limestone Cynffig In The District Of Ogwr Mid Glam Authority: Environment Agency, Welsh Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: U/G Lstn Cynffig In The District Of Ogwr Mid Glam Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 22nd April 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A1NE (SW)	1643	3	282240 180790
42	**Water Industry Act Referrals** Name: Celtic Recycling Ltd Location: UNIT 37, VILLAGE FARM INDUSTRIAL ESTATE, PYLE, BRIDGEND, MID GLAMORGAN, CF33 6PP Authority: Natural Resources Wales Permit Reference: AJ2321 Dated: 30th June 1993 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations **Status: Application received by the EA but is not yet authorised** Positional Accuracy: Manually positioned to the road within the address or location	A13NW (NW)	276	2	283248 182237

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: 3-10m Superficial Recharge: Low	A13NE (N)	0	2	283442 182000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: <40% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	A13SW (S)	0	2	283440 181962
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: <40% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	A13NE (NE)	0	2	283442 181979
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	A13SW (S)	0	2	283440 181962
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (NE)	0	2	283442 181979
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (NE)	0	2	283442 181979
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	0	2	283442 181981
	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 (NW)	0	2	283437 181982
	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	A13SE (E)	53	2	283533 181961
	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	A13SE (SE)	196	2	283568 181772

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
43	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 210.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A13SE (E)	59	5	283539 181961
44	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 65.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A13NE (NE)	59	5	283488 182070
45	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A13NE (N)	59	5	283476 182072
46	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 91.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A13NW (N)	60	5	283439 182072
47	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A13NW (NW)	64	5	283385 182069
48	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 27.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A13NW (NW)	69	5	283371 182069
49	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 15.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A13SE (SE)	75	5	283500 181873
50	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 36.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A13SW (S)	82	5	283411 181865

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A13SE (S)	83	5	283490 181862
52	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.5 Watercourse Level: Underground Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A13SW (S)	83	5	283418 181864
53	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 31.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A13NW (NW)	84	5	283344 182068
54	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 57.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A13NW (NW)	84	5	283344 182068
55	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 31.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A13SW (S)	84	5	283426 181863
56	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.5 Watercourse Level: Underground Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A13SW (SW)	85	5	283375 181869
57	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.0 Watercourse Level: Underground Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A13SE (S)	86	5	283448 181860
58	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 26.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A13SE (S)	86	5	283456 181859
59	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 23.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A13SW (SW)	87	5	283366 181870

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
60	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 229.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A13SE (S)	90	5	283483 181854
61	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A13NE (NE)	94	5	283554 182070
62	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 650.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A13NE (NE)	96	5	283557 182070
63	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.0 Watercourse Level: Underground Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A13SW (SW)	98	5	283342 181873
64	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 32.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A13SW (SW)	102	5	283335 181874
65	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.0 Watercourse Level: Underground Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A13SW (SW)	124	5	283302 181878
66	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 38.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A13SW (SW)	131	5	283294 181878
67	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.5 Watercourse Level: Underground Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A13SW (SW)	162	5	283256 181883
68	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 46.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A13SW (SW)	169	5	283249 181884

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
69	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 213.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A13SE (SE)	202	5	283574 181768
70	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.7 Watercourse Level: Underground Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A13SW (W)	211	5	283203 181889
71	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 20.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A13SW (W)	219	5	283194 181890
72	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 25.1 Watercourse Level: Underground Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A13SW (W)	238	5	283173 181893
73	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 21.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A13SW (W)	262	5	283148 181895
74	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 151.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A13SE (SE)	264	5	283705 181815
75	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.4 Watercourse Level: Underground Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A13SW (W)	282	5	283128 181898
76	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A13SW (W)	294	5	283114 181899
77	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 106.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 2	A12SE (W)	308	5	283101 181901

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
78	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 152.4 Watercourse Level: Underground Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A12SE (W)	308	5	283096 181935
79	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 111.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 2	A14NW (E)	342	5	283814 182088
80	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A14NW (NE)	373	5	283805 182195
81	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A14NW (NE)	376	5	283807 182198
82	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 55.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A14NW (NE)	379	5	283809 182200
83	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 97.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A14NW (NE)	379	5	283809 182200
84	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 87.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A12NE (W)	382	5	283028 182089
85	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A12SE (W)	399	5	283005 181955
86	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 15.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A14SW (E)	403	5	283855 181810

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
87	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 19.5 Watercourse Level: Underground Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A12SE (W)	404	5	283000 181955
88	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 89.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A14NW (NE)	407	5	283807 182255
89	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 59.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 2	A12SE (W)	411	5	282995 181915
90	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A14SW (E)	418	5	283870 181808
91	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A12SE (W)	424	5	282980 181952
92	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 25.8 Watercourse Level: Underground Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A12SE (W)	427	5	282978 181952
93	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 25.9 Watercourse Level: Underground Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A14SW (E)	427	5	283878 181804
94	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 204.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A14SW (SE)	434	5	283876 181778
95	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A12SE (W)	452	5	282952 181947

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
96	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 63.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A12SE (W)	454	5	282950 181947
97	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 163.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A19SW (NE)	480	5	283832 182338
98	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 31.0 Watercourse Level: Underground Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A12SE (W)	517	5	282888 181940
99	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 76.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A12SE (W)	548	5	282857 181940
100	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 32.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A12NE (NW)	590	5	282896 182311
101	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A12SE (W)	618	5	282786 181962
102	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A12SE (W)	622	5	282782 181963
103	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 25.0 Watercourse Level: Underground Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A12SE (W)	627	5	282777 181966
104	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 41.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A14SW (E)	630	5	284073 181745

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
105	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 51.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A14SW (E)	630	5	284073 181745
106	**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: Kenfig Primacy: 1	A12SW (W)	648	5	282758 181915
107	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A12SW (W)	650	5	282753 181973
108	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A12SW (W)	652	5	282754 181919
109	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 46.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A12SW (W)	653	5	282753 181922
110	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A12NW (W)	662	5	282741 181978
111	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A12SW (W)	662	5	282741 181966
112	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A12NW (W)	663	5	282739 181979
113	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 58.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A14SE (E)	663	5	284127 181826

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
114	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 161.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A14SE (E)	663	5	284127 181826
115	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 27.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A14SE (E)	665	5	284117 181769
116	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 447.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A12NW (W)	666	5	282736 181981
117	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 29.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A18NE (N)	685	5	283666 182670
118	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 127.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Fach Catchment Name: Kenfig Primacy: 1	A14SE (E)	691	5	284142 181763
119	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 69.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A18NE (N)	712	5	283684 182693
120	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 172.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A18NE (N)	766	5	283741 182731
121	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 135.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A19NW (NE)	804	5	283909 182692
122	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 66.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A14SE (E)	814	5	284275 181795

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
123	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 160.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ogmore Primacy: 1	A7NW (SW)	833	5	282749 181435
124	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 230.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A14SE (E)	862	5	284329 181832
125	**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: Kenfig Primacy: 1	A9NE (SE)	878	5	284247 181525
126	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 70.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A14NE (E)	908	5	284387 182079
127	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 312.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A14NE (E)	912	5	284388 182107
128	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A14NE (E)	913	5	284389 182101
129	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A14NE (E)	938	5	284418 182025
130	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 508.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ogmore Primacy: 1	A7SE (SW)	945	5	283054 181071

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
131	**Licensed Waste Management Facilities (Landfill Boundaries)** Name: Stormy Farm Landfill Licence Number: 34034 Location: Stormy Farm, Kenfig Hill, Bridgend, Glamorgan, CF33 6RD Licence Holder: Bridgend County Borough Council Authority: Natural Resources Wales Site Category: Landfills Taking Non-biodegradeable Wastes (Not Construction) Max Input Rate: Not Supplied **Licence Status: Closure** Issued: 22nd January 1992 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A13SE (SE)	260	2	283631 181736
132	**Licensed Waste Management Facilities (Locations)** Licence Number: EB3430RT Location: Wern Tarw Recycling Ltd, Village Farm Ind Est, Pyle, Bridgend, Mid Glamorgan, Bridgend, CF33 6BN Operator Name: Wern Tarw Recycling Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Transfer Stations Taking Non-biodegradable Wastes **Licence Status: Effective** Issued: 6th January 2010 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	74	2	283358 181891
132	**Licensed Waste Management Facilities (Locations)** Licence Number: 100022 Location: Unit 43, Village Farm Ind Est, Pyle, Bridgend, CF33 6BN Operator Name: Wern Tarw Recycling Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Transfer Stations Taking Non-biodegradable Wastes **Licence Status: Transferred** Issued: 6th January 2010 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	74	2	283358 181891
133	**Licensed Waste Management Facilities (Locations)** Licence Number: EB3893HR Location: Cox Skip And Waste Mangement, Village Farm Road, Village Farm Industrial, Pyle, Bridgend, Bridgend, CF33 6BP Operator Name: Paul Andrew Gareth Cox Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: HCI Waste Transfer Station **Licence Status: Effective** Issued: 17th December 2014 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SW (W)	119	2	283288 181927
134	**Licensed Waste Management Facilities (Locations)** Licence Number: 34118 Location: 39b Village Farm Industrial Estate, Pyle, Bridgend, Glamorgan, CF33 6NU Operator Name: Nolan James Patrick Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Household, Commercial And Industrial Transfer Stations **Licence Status: Surrendered** Issued: 9th June 1995 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 29th September 2004 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	137	2	283300 182100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
135	**Licensed Waste Management Facilities (Locations)** Licence Number: 34222 Location: 2-4 Village Court, Pyle, Bridgend, Mid Glamorgan, CF33 6BX Operator Name: Natural Solutions South Wales Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Mobile Plant **Licence Status: Surrendered** Issued: 23rd April 2004 Last Modified: 4th May 2006 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 16th December 2008 IPPC Reference: Not Supplied Positional Accuracy: Manually positioned to the address or location	A13NW (N)	197	2	283423 182207
136	**Licensed Waste Management Facilities (Locations)** Licence Number: UP3998FB Location: Celtic Recycling Ltd, Pyle, Bridgend, Glamorgan, Bridgend, CF33 6BZ Operator Name: Celtic Recycling Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Physical Treatment Facilities **Licence Status: Effective** Issued: 29th November 2019 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (W)	277	2	283128 182049
136	**Licensed Waste Management Facilities (Locations)** Licence Number: 34089 Location: Unit 37, Village Farm Ind Est, Pyle, Bridgend, CF33 6BZ Operator Name: Celtic Recycling Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Physical Treatment Facilities **Licence Status: Modified** Issued: 15th February 1994 Last Modified: 6th December 2013 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (W)	277	2	283128 182049
137	**Licensed Waste Management Facilities (Locations)** Licence Number: 900114 Location: Plot 80, Village Farm Road, Village Farm Industrial, Pyle, CF33 6BP Operator Name: Cox Paul Andrew Gareth Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Not Supplied **Licence Status: Issued** Issued: 17th December 2014 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SE (W)	344	2	283062 181923

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
138	**Licensed Waste Management Facilities (Locations)** Licence Number: AB3292CD Location: Scott Waste Ltd, Unit 9-10 Village Farm Rd, Village farm Ind Est, Pyle, Bridgend, Bridgend, CF33 6BL Operator Name: Scott Waste Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: HCI Waste Transfer Station **Licence Status: Effective** Issued: 7th October 2016 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SW (E)	404	2	283881 181930
139	**Licensed Waste Management Facilities (Locations)** Licence Number: PP3398FK Location: Stormy Farm Landfill, Bridgend, Glamorgan, Bridgend, CF33 6RD Operator Name: Bridgend County Borough Council Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Landfills Taking Non-biodegradeable Wastes (Not Construction) **Licence Status: Effective** Issued: 22nd January 1992 Last Modified: Not Supplied Expires: 21st May 2002 Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SW (SE)	659	2	284085 181696
139	**Licensed Waste Management Facilities (Locations)** Licence Number: 34034 Location: Stormy Farm, Kenfig Hill, Bridgend, CF33 6RD Operator Name: Bridgend County Borough Council Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Landfills Taking Non-biodegradeable Wastes (Not Construction) **Licence Status: Closed** Issued: 22nd January 1992 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SW (SE)	659	2	284085 181696
	Local Authority Landfill Coverage Name: Bridgend County Borough Council - Has supplied landfill data		0	6	283442 181979
140	**Local Authority Recorded Landfill Sites** Location: Stormy Farm Reference: Not Supplied Authority: Bridgend County Borough Council **Last Reported Status: Unknown** Types of Waste: Inert Date of Closure: Not Supplied Positional Accuracy: Manually positioned within the geographical locality Boundary Quality: Not Applicable	A9NW (SE)	547	6	283900 181600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
141	**Registered Landfill Sites** Licence Holder: Mid Glamorgan Civil Engineering Licence Reference: 12 Site Location: Stormy Farm, Kenfig Hill, Bridgend, Mid Glamorgan Licence Easting: 283900 Licence Northing: 181630 Operator Location: Waterton, Bridgend, Mid Glamorgan Authority: Environment Agency Wales, South West Area Site Category: Landfill Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source Restrictions: Some restriction on source of waste Status: Site Closed Dated: 1st May 1988 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Max.Waste From Fees/Charges Nat'L Stone & Slate Soil, Subsoil, Excav'N Waste Prohibited Waste: Any Biodegradable Waste Any Substances In Eec Dir. 80/68 Asbestos Poisonous, Noxious, Polluting Wastes Pumpable Sludges (Dry Solids < 20%) Spec.Waste (Epa'90:S62/1996 Regs) Waste In Sealed Drums Waste N.O.S.	A9NW (SE)	528	3	283900 181630
142	**Registered Waste Transfer Sites** Licence Holder: J P Nolan Licence Reference: 23 Site Location: 39B Village Farm Industrial Estate, Pyle, BRIDGEND, Mid Glamorgan, CF33 6NU Operator Location: As Site Address Authority: Environment Agency Wales, South West Area Site Category: Transfer Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Operational as far as is knownOperational Dated: 9th June 1995 Preceded By Licence: 23 Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Max.Storage In Licence Max.Waste Permitted By Licence Non-Haz.Solid Dom./Com./Ind. Waste Prohibited Waste: Environmentally Hazardous Mat'Ls Spec.Waste (Epa'90:S62/1996 Regs) Waste N.O.S.	A13NW (W)	222	3	283180 182000
142	**Registered Waste Transfer Sites** Licence Holder: Nolan Skip Hire Licence Reference: 23 Site Location: 39B Village Farm Industrial Estate, Pyle, BRIDGEND, Mid Glamorgan, CF33 6NU Operator Location: As Site Address Authority: Environment Agency Wales, South West Area Site Category: Transfer Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Record supersededSuperseded Dated: 1st June 1992 Preceded By Licence: Not Given Superseded By Licence: 23 Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Dry House, Com + Ind.Waste Max.Stor Prohibited Waste: Percussive/Explosive Waste Radioactive Wastes Special Wastes	A13NW (W)	222	3	283180 182000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
143	**Registered Waste Treatment or Disposal Sites** Licence Holder: Calder Aluminium Ltd (Southwestern) Licence Reference: S2 Site Location: 27a Sturmi Way, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan Operator Location: As Site Address Authority: Environment Agency Wales, South West Area Site Category: Scrapyard - with Transfer Station Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st September 1992 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Ferrous Metal Scrap Max.Stor; Non-Ferrous Swarf Max.Stor; Wood Max.Stor Prohibited Waste: Finely Powdered Metal; Flammable Liquids; Percussive/Explosive Waste; Radioactive Wastes; Special Wastes	A13NW (W)	102	3	283300 182010
144	**Registered Waste Treatment or Disposal Sites** Licence Holder: Celtic Recycling Ltd Licence Reference: S6 Site Location: Unit 37 Village Farm Industrial Estate, Pyle, BRIDGEND, Mid Glamorgan, CF33 6BZ Operator Location: As Site Address Authority: Environment Agency Wales, South West Area Site Category: Scrapyard Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Operational as far as is knownOperational Dated: 15th February 1994 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Electrical Cable Max.Stor; Electrical Equipment Max.Stor; Machinery Max.Stor; Mixed Heavy Scrap Max.Stor; Non-Ferrous Swarf Max.Stor; Oil Max.Stor; Other Non-Ferrous Metals Max.Stor; Special Waste In Elect.Equip Max.Stor Prohibited Waste: Elemental Sodium/Potassium; Percussive/Explosive/Similar Waste; Special Wastes N.O.S.; Sub'S Control. Radioactive Subs Act'60; Waste Cont. Flammable Liquids; Waste Cont. Pcbs/Analogues > 50ppm; Waste In Fine Powder Form; Waste N.O.S.	A12NE (W)	303	3	283100 182030

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Lias Group	A13NE (NE)	0	1	283442 181979
145	**BGS Recorded Mineral Sites** Site Name: Ffynnon-Y-Maen Gravel Pit Location: Bridgend, Mid Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 160846 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Till, Devensian Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A14NW (E)	566	1	284011 182210
146	**BGS Recorded Mineral Sites** Site Name: Pyle Junction Location: North Cornelly, Bridgend, Mid Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 160808 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Triassic Geology: Penarth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A8NE (S)	577	1	283487 181367
147	**BGS Recorded Mineral Sites** Site Name: Pen-Y-Castell Location: Kenfig Hill, Bridgend, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 66960 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Triassic Geology: Penarth Group (Marginal Facies) Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	848	1	284155 182525
148	**BGS Recorded Mineral Sites** Site Name: Pen-Y-Castell Location: Kenfig Hill, Bridgend, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 66959 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	919	1	284105 182685
149	**BGS Recorded Mineral Sites** Site Name: Pen Y Castell Location: Kenfig Hill, Bridgend, Mid Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 9662 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: South Wales Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19NE (NE)	992	1	284175 182720
	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.	A13NE (N)	0	7	283442 182000
	Non Coal Mining Areas of Great Britain No Hazard				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	283442 181979
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	34	1	283512 181962
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	283442 181979
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	34	1	283512 181962
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	283442 181979
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	283440 181962
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	283442 181979
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	211	1	283393 181738
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	283442 181979
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	34	1	283512 181962
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	250	1	283509 181696
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	283442 181979
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	250	1	283509 181696
	Radon Potential - Radon Affected Areas Affected Area: The property is an Intermediate probability radon area (3 to 5% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	283442 181979
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	283442 181979

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
150	**Contemporary Trade Directory Entries** Name: Driveshaft Services Ltd Location: 1a, Heol Mostyn, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BJ Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	0	-	283465 181995
150	**Contemporary Trade Directory Entries** Name: Driveshaft Services Ltd Location: 1a, Heol Mostyn, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BJ Classification: Engine Component Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	0	-	283465 181995
150	**Contemporary Trade Directory Entries** Name: Colorama Gas Location: 57, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BN Classification: Gas Suppliers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (E)	27	-	283506 181969
150	**Contemporary Trade Directory Entries** Name: I B S Services Ltd Location: 57, Heol Mostyn, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BJ Classification: Shredding Equipment & Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (E)	27	-	283506 181969
150	**Contemporary Trade Directory Entries** Name: Colorama Gas Location: 57, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BN Classification: Gas Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (E)	27	-	283506 181969
151	**Contemporary Trade Directory Entries** Name: Jenstar Ltd Location: Sturmi Way, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BZ Classification: Transformer Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (W)	40	-	283364 181974
152	**Contemporary Trade Directory Entries** Name: Bryan Alexander Ltd Location: 42a, Heol Mostyn, Village Farm Industrial Estate, Pyle, Bridgend, CF33 6BJ Classification: Road Haulage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	51	-	283499 181899
152	**Contemporary Trade Directory Entries** Name: R W Christopher Crane Hire Ltd Location: 1, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BL Classification: Crane Hire, Sales & Service **Status: Active** Positional Accuracy: Automatically positioned in the proximity of the address	A13SE (SE)	90	-	283543 181886
152	**Contemporary Trade Directory Entries** Name: Performance Health Products Ltd Location: 32, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BL Classification: Medical Equipment Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	121	-	283550 181850
153	**Contemporary Trade Directory Entries** Name: Conservatory Shades Ltd Location: 30, Sturmi Way, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BZ Classification: Blinds, Awnings & Canopies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	72	-	283337 182040

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
153	**Contemporary Trade Directory Entries** Name: Tonic Studios Location: 31 Sturmi Way,Village Farm Ind Est, Pyle, Bridgend, Mid Glamorgan, CF33 6BZ Classification: Tool Design, Manufacturers & Makers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	72	-	283337 182040
153	**Contemporary Trade Directory Entries** Name: K-Form Location: 30, Sturmi Way, Village Farm Industrial Estate, Pyle, BRIDGEND, Mid Glamorgan, CF33 6BZ Classification: Plastic Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	72	-	283337 182040
153	**Contemporary Trade Directory Entries** Name: Kform Location: 30, Sturmi Way, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BZ Classification: Concrete Products **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	72	-	283337 182040
153	**Contemporary Trade Directory Entries** Name: N R Parsons Transport Ltd Location: Unit 106 Village Farm Indutrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BL Classification: Garage Services **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A13NW (W)	90	-	283313 182016
153	**Contemporary Trade Directory Entries** Name: T & J Printers Ltd Location: Sturmi Way, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BZ Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	115	-	283289 182030
153	**Contemporary Trade Directory Entries** Name: Morplas Ltd Location: Unit 32, Sturmi Way, Village Farm Industrial Estate, Pyle, BRIDGEND, Mid Glamorgan, CF33 6BZ Classification: Plastics - Extrusion **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (W)	115	-	283289 182030
153	**Contemporary Trade Directory Entries** Name: G B R Location: 31, Sturmi Way, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BZ Classification: Car Engine Tuning & Diagnostic Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (W)	140	-	283262 182023
154	**Contemporary Trade Directory Entries** Name: Williams Fasteners Location: Unit 2, Brookside Court, 64, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BN Classification: Nuts, Bolts & Fixings **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (S)	105	-	283399 181843
154	**Contemporary Trade Directory Entries** Name: Aluminium Windows & Shopfronts Location: Unit 2, Brookside Court, 64, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BN Classification: Window Frames - Sales & Service **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SW (S)	105	-	283399 181843
154	**Contemporary Trade Directory Entries** Name: Aluminium Windows & Shopfronts Ltd Location: Unit 3-5, Brookside Court, 64, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, CF33 6BN Classification: Window Frames - Sales & Service **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (S)	124	-	283423 181823

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
155	**Contemporary Trade Directory Entries** Name: Devonview Garage Location: 63, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, CF33 6BN Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	119	-	283363 181837
155	**Contemporary Trade Directory Entries** Name: Finesse Furniture Location: 42, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BN Classification: Furniture Manufacturers - Home & Office **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	131	-	283328 181842
155	**Contemporary Trade Directory Entries** Name: Aztec Pumping Services Ltd Location: 43, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BN Classification: Pumps - Sales, Servicing & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	155	-	283281 181855
155	**Contemporary Trade Directory Entries** Name: Shillibier Haulage Ltd Location: Unit 43, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BN Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	155	-	283281 181855
155	**Contemporary Trade Directory Entries** Name: R Westcott & Son Location: Plot 63 Village Farm Indust Est, Pyle, Bridgend, Mid Glamorgan, CF33 6BJ Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SW (SW)	156	-	283280 181854
156	**Contemporary Trade Directory Entries** Name: Universal Screen Printers Ltd Location: Unit 36, Heol Treth, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BQ Classification: Screen Process Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	149	-	283273 182084
157	**Contemporary Trade Directory Entries** Name: Rss Training & Consultancy Ltd Location: 32a-32b, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BL Classification: Lifting Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	151	-	283588 181845
157	**Contemporary Trade Directory Entries** Name: Rope & Sling Specialists Location: 32a-32b, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BL Classification: Lifting Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	151	-	283588 181845
157	**Contemporary Trade Directory Entries** Name: R S S Training & Consultancy Ltd Location: 32a-32b, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, CF33 6BL Classification: Lifting Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	154	-	283588 181840
157	**Contemporary Trade Directory Entries** Name: Ritchie & Co Ltd Location: 105 Village Farm Rd, Pyle, Bridgend, Mid Glamorgan, CF33 6BL Classification: Concrete Products **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	156	-	283610 181865

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
157	**Contemporary Trade Directory Entries** Name: Cymru Industrial Supllies Location: Village Farm Rd,Village Farm Ind Est, Pyle, Bridgend, Mid Glamorgan, CF33 6BL Classification: Hose, Tubing & Fittings **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	160	-	283613 181864
157	**Contemporary Trade Directory Entries** Name: Ocean Location: 33, Village Farm Road, Village Farm Industrial Estate, Pyle, BRIDGEND, Mid Glamorgan, CF33 6BL Classification: Frozen Food Processors & Distributors **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	164	-	283606 181847
158	**Contemporary Trade Directory Entries** Name: Furniform Location: 13, Heol Mostyn, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BJ Classification: Foam Products - Rubber & Plastics **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (N)	156	-	283380 182162
159	**Contemporary Trade Directory Entries** Name: Cam Engineering Fabrication (Pyle) Ltd Location: 51, Heol Mostyn, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BJ Classification: Gate Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (N)	161	-	283459 182173
159	**Contemporary Trade Directory Entries** Name: Cam Engineering Fabrication Ltd Location: 51, Heol Mostyn, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BJ Classification: Wrought Ironwork **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (N)	161	-	283459 182173
159	**Contemporary Trade Directory Entries** Name: Sandwich Fillings Ltd Location: Unit 22, Village Court, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BX Classification: Food Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (N)	192	-	283469 182204
159	**Contemporary Trade Directory Entries** Name: Community Connections Project Location: Unit 20, Village Court, Village Farm Industrial Estate, Pyle, Bridgend, CF33 6BX Classification: Reclaiming - Waste Products **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (N)	193	-	283493 182204
159	**Contemporary Trade Directory Entries** Name: C M D Porsche Specialist Location: Unit 5, Village Court, Village Farm Industrial Estate, Pyle, Bridgend, CF33 6BX Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (N)	231	-	283443 182242
160	**Contemporary Trade Directory Entries** Name: W G R Lloyd & Sons Location: 39a, Sturmi Way, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BZ Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	180	-	283223 181993
160	**Contemporary Trade Directory Entries** Name: Edwards Machinery Ltd Location: 40a Sturmi Way,Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BZ Classification: Agricultural Machinery - Sales & Service **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A13NW (W)	189	-	283213 182011

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
160	**Contemporary Trade Directory Entries** Name: D J Contract Furniture Location: 31 Sturmi Way,Village Farm Ind Est, Pyle, Bridgend, Mid Glamorgan, CF33 6BZ Classification: Furniture Manufacturers - Home & Office **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13NW (W)	193	-	283209 182012
161	**Contemporary Trade Directory Entries** Name: Cape Plastics Ltd Location: 5, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BL Classification: Plaster Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (E)	185	-	283655 181902
161	**Contemporary Trade Directory Entries** Name: G L S Autos Location: 5, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BL Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (E)	185	-	283655 181902
161	**Contemporary Trade Directory Entries** Name: Pile Enterprise Centre Location: 5, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BL Classification: Distribution Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SE (E)	185	-	283655 181902
162	**Contemporary Trade Directory Entries** Name: J M Fibres Location: Unit 2, Village Court, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BX Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (N)	189	-	283419 182199
163	**Contemporary Trade Directory Entries** Name: Rope & Sling Location: 28, Heol Mostyn, Village Farm Industrial Estate, Pyle, Bridgend, CF33 6BJ Classification: Ropes & Hawsers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	196	-	283304 182177
164	**Contemporary Trade Directory Entries** Name: P M A Enterprise Location: 78, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, CF33 6BN Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (W)	203	-	283203 181928
164	**Contemporary Trade Directory Entries** Name: Bloknmesh Location: 39b, Heol Morfa, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BP Classification: Fencing Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (W)	228	-	283176 181968
165	**Contemporary Trade Directory Entries** Name: Balmoral Motorhomes Location: Unit 17, Village Court, Village Farm Industrial Estate, Pyle, Bridgend, CF33 6BX Classification: Caravans - Servicing & Repairs **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (N)	212	-	283526 182218
165	**Contemporary Trade Directory Entries** Name: Crestford Ltd Trading As Photostatic Location: Unit 12, Village Court, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BX Classification: Photocopiers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (N)	250	-	283503 182261

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
165	**Contemporary Trade Directory Entries** Name: 1 Stop Autos Location: Unit 9, Village Court, Village Farm Industrial Estate, Pyle, Bridgend, CF33 6BX Classification: Mot Testing Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (N)	251	-	283475 182263
165	**Contemporary Trade Directory Entries** Name: Impressive Creations Location: Unit 10, Village Court, Village Farm Industrial Estate, Pyle, Bridgend, CF33 6BX Classification: Pattern Makers - Industrial **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (N)	251	-	283484 182263
165	**Contemporary Trade Directory Entries** Name: 1 Stop Autos Location: Unit 9, Village Court, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BX Classification: Mot Testing Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (N)	255	-	283473 182268
165	**Contemporary Trade Directory Entries** Name: 1 Stop Auto Clinic Location: Unit 9, Village Court, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BX Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (N)	255	-	283473 182268
165	**Contemporary Trade Directory Entries** Name: 1 Stop Auto Location: Unit 9, Village Court, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BX Classification: Mot Testing Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (N)	255	-	283473 182268
166	**Contemporary Trade Directory Entries** Name: Guardian Location: Unit 4, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, CF33 6BL Classification: Drilling & Boring Equipment & Supplies **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (E)	213	-	283693 181959
166	**Contemporary Trade Directory Entries** Name: C F B Supplies Location: Unit 3,4,Village Farm Rd,Village Farm Ind Est, Pyle, Bridgend, Mid Glamorgan, CF33 6BL Classification: Office Furniture & Equipment **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SE (E)	225	-	283705 181959
167	**Contemporary Trade Directory Entries** Name: Kontoor Location: Sturmi Way, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BZ Classification: Cabinet Makers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (W)	232	-	283179 182073
167	**Contemporary Trade Directory Entries** Name: Impact Re-Paints Location: Unit 3 Sturmi Way,Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BZ Classification: Car Body Repairs **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A13NW (W)	232	-	283179 182073
168	**Contemporary Trade Directory Entries** Name: Autocare Pyle Ltd Location: Unit 6, Village Court, Village Farm Industrial Estate, Pyle, Bridgend, CF33 6BX Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (N)	242	-	283444 182253

Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
168	**Contemporary Trade Directory Entries** Name: Impress Print Group Location: Unit 8, Village Court, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BX Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (N)	262	-	283442 182272
168	**Contemporary Trade Directory Entries** Name: Rainbow Printing Services Ltd Location: Unit 8, Village Court, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BX Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NE (N)	262	-	283442 182272
168	**Contemporary Trade Directory Entries** Name: Hi-Grove Uk Ltd Location: Unit 8, Village Court, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BX Classification: Engineering Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (N)	262	-	283442 182273
169	**Contemporary Trade Directory Entries** Name: Newton Mowers & Motors Ltd Location: 31, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BL Classification: Lawnmowers & Garden Machinery - Sales & Service **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	242	-	283694 181843
170	**Contemporary Trade Directory Entries** Name: Suntrade Windows Doors & Conservatories Location: Dunraven House, Stormy Down, Pyle, Bridgend, CF33 4AH Classification: Window Frames - Sales & Service **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	243	-	283304 181727
170	**Contemporary Trade Directory Entries** Name: Bairdwear Ltd Location: Pyle, Bridgend, Mid Glamorgan, CF33 4RX Classification: Lingerie Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A13SW (SW)	255	-	283264 181736
171	**Contemporary Trade Directory Entries** Name: Houghton Plc Location: Unit 41a Heol Morfa,Village Farm Ind Est, Pyle, Bridgend, Mid Glamorgan, CF33 6BP Classification: Engineers - General **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13SW (W)	249	-	283155 181961
172	**Contemporary Trade Directory Entries** Name: Pyle Precision Engineering Location: Plot 120,Unit 2 Village Farm Rd,Village Farm Ind Est, Pyle, Bridgend, Mid Glamorgan, CF33 6BL Classification: Precision Engineers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SE (E)	260	-	283732 181906
173	**Contemporary Trade Directory Entries** Name: Nottage Joinery Ltd Location: 31, Heol Mostyn, Village Farm Industrial Estate, Pyle, Bridgend, CF33 6BJ Classification: Joinery Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	264	-	283299 182251
174	**Contemporary Trade Directory Entries** Name: Morgan Lane Location: Village Farm Rd,Village Farm Ind Est, Pyle, Bridgend, Mid Glamorgan, CF33 6BL Classification: Electrical Engineers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13SE (E)	278	-	283742 181866

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
174	**Contemporary Trade Directory Entries** Name: Welsh Porsche Specialists Location: 28, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BL Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	317	-	283771 181832
174	**Contemporary Trade Directory Entries** Name: Morgan Car Care Location: 27, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BL Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (E)	338	-	283796 181837
174	**Contemporary Trade Directory Entries** Name: John Stott Location: 27, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BL Classification: Caravans - Servicing & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	338	-	283796 181837
175	**Contemporary Trade Directory Entries** Name: Mccarthy Contractors Bridgend Ltd Location: Heol Morfa, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BP Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (W)	279	-	283125 181956
175	**Contemporary Trade Directory Entries** Name: Brynol Chrome Ltd Location: 76, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BN Classification: Metal Finishing Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SE (W)	311	-	283094 181944
175	**Contemporary Trade Directory Entries** Name: Brynol Chrome Location: 76, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BN Classification: Metal Finishing Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (W)	311	-	283094 181944
176	**Contemporary Trade Directory Entries** Name: Red Dragon Retreading Ltd Location: 26, Sturmi Way, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BZ Classification: Tyre Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	279	-	283144 182114
176	**Contemporary Trade Directory Entries** Name: Red Dragon Retreading Ltd Location: 26, Sturmi Way, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BZ Classification: Tyre Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	279	-	283144 182114
176	**Contemporary Trade Directory Entries** Name: C M U Infrastructure Location: Unit 28 Sturmi Way, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BL Classification: Gas Companies **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A13NW (W)	294	-	283119 182088
176	**Contemporary Trade Directory Entries** Name: Conservatory Shades Location: Sturmi Way,Village Farm Ind Est, Pyle, Bridgend, Mid Glamorgan, CF33 6BZ Classification: Blinds, Awnings & Canopies **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13NW (W)	315	-	283105 182113

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
177	**Contemporary Trade Directory Entries** Name: Scott Waste Location: Units 9-10 Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BL Classification: Waste Disposal Services **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A13SE (E)	290	-	283763 181908
177	**Contemporary Trade Directory Entries** Name: Jeff Price Motor Co Location: Unit 5, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BN Classification: Car Painters & Sprayers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	325	-	283804 181948
177	**Contemporary Trade Directory Entries** Name: Pinnacle Access Services Location: Unit 4 Plot 120 Village Farm Road,Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BL Classification: Scaffolding & Work Platforms **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	328	-	283804 181931
178	**Contemporary Trade Directory Entries** Name: Automill Location: Unit 23, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6PP Classification: Precision Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	307	-	283152 182186
178	**Contemporary Trade Directory Entries** Name: Glamorgan Fabrication Ltd Location: 18, Sturmi Way, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BZ Classification: Engineers - General **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	320	-	283123 182166
178	**Contemporary Trade Directory Entries** Name: Easy Care Mobility Location: 18, Sturmi Way, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BZ Classification: Medical Equipment Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	320	-	283123 182166
178	**Contemporary Trade Directory Entries** Name: Easy Care Mobility Location: 18, Sturmi Way, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BZ Classification: Disability Equipment - Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	320	-	283123 182166
178	**Contemporary Trade Directory Entries** Name: Glamorgan Fabrication Location: 18, Sturmi Way, Village Farm Industrial Estate, Pyle, Bridgend, CF33 6BZ Classification: Engineers - General **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	322	-	283123 182168
178	**Contemporary Trade Directory Entries** Name: Abril Industrial Waxes Ltd Location: Sturmi Way, Village Farm Industrial Estate, Pyle, Bridgend, CF33 6BZ Classification: Lubricant Manufacturers & Distributors **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	345	-	283117 182202
179	**Contemporary Trade Directory Entries** Name: Cymru Stone Location: 47, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BN Classification: Concrete Products **Status: Active** Positional Accuracy: Manually positioned to the address or location	A12SE (W)	327	-	283084 181881

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
180	**Contemporary Trade Directory Entries** Name: K C A Haulage Location: 37, Sturmi Way, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BZ Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (W)	350	-	283061 182089
181	**Contemporary Trade Directory Entries** Name: Celtic Recycling Ltd Location: Unit 17 Sturmi Way,Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BZ Classification: Waste Disposal Services **Status: Active** Positional Accuracy: Manually positioned to the address or location	A12NE (W)	364	-	283038 182022
181	**Contemporary Trade Directory Entries** Name: D W N Motor Repairs Location: Unit 10, 50, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, CF33 6BN Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NE (W)	376	-	283026 182003
181	**Contemporary Trade Directory Entries** Name: Truck Trailer & Bus Components Ltd Location: Plot 51,Unit 15-16 Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6NU Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories **Status: Active** Positional Accuracy: Manually positioned to the address or location	A12NE (W)	381	-	283021 182024
181	**Contemporary Trade Directory Entries** Name: Pyle Edging & Fringing Location: Unit 14, 51, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BN Classification: Carpets & Rugs - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NE (W)	386	-	283016 182019
182	**Contemporary Trade Directory Entries** Name: Custom Creations Location: Unit 1, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BN Classification: Garden & Patio Furniture Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (W)	385	-	283019 181972
182	**Contemporary Trade Directory Entries** Name: M G M Gates Location: Unit 1, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BN Classification: Wrought Ironwork **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (W)	385	-	283019 181972
182	**Contemporary Trade Directory Entries** Name: M G M Gates Location: Unit 1, 50, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BN Classification: Wrought Ironwork **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SE (W)	385	-	283019 181972
183	**Contemporary Trade Directory Entries** Name: Cape Environmental Ltd Location: 16a, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BL Classification: Scaffolding & Work Platforms **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	385	-	283847 182131
183	**Contemporary Trade Directory Entries** Name: Altrad Services Location: 16a, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BL Classification: Industrial Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	385	-	283847 182131

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
183	**Contemporary Trade Directory Entries** Name: Cape Industrial Services Location: 16a, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BL Classification: Industrial Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	385	-	283847 182131
184	**Contemporary Trade Directory Entries** Name: Phoenix Spraycoatings Location: 37, Meadow Avenue, Kenfig Hill, Bridgend, Mid Glamorgan, CF33 6NR Classification: Spraying - Paint & Coatings **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (N)	386	-	283482 182399
185	**Contemporary Trade Directory Entries** Name: Kymco Healthcare Location: Heol Mostyn,Village Farm Ind Est, Pyle, Bridgend, Mid Glamorgan, CF33 6BJ Classification: Disability Equipment - Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A12NE (NW)	390	-	283068 182210
185	**Contemporary Trade Directory Entries** Name: Allspares (Auto) Ltd Location: Unit 19, Sturmi Way, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BZ Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	390	-	283068 182210
186	**Contemporary Trade Directory Entries** Name: Trojan-Mek Ltd Location: 119, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, CF33 6BL Classification: Road Haulage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (E)	397	-	283869 181897
186	**Contemporary Trade Directory Entries** Name: Recycle Direct Ltd Location: 4, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BL Classification: Waste Disposal Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	402	-	283877 181915
186	**Contemporary Trade Directory Entries** Name: Lion Packaging Location: 4, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BL Classification: Boxes & Cartons **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	402	-	283877 181915
186	**Contemporary Trade Directory Entries** Name: S & G Soils Ltd Location: 9-10, Village Farm Road, Village Farm Industrial Estate, Pyle, BRIDGEND, Mid Glamorgan, CF33 6BL Classification: Road Haulage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (E)	414	-	283892 181932
187	**Contemporary Trade Directory Entries** Name: D W E P Ltd Location: Plot 14 Unit 1-2 Heol Mostyn,Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BJ Classification: Electrical Engineers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A12NE (NW)	408	-	283032 182181
187	**Contemporary Trade Directory Entries** Name: National Plastics Location: Unit 6 Plot 11 Heol Mostyn,Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BJ Classification: PVC-U Products - Manufacturers & Suppliers **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A12NE (NW)	412	-	283027 182180

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
187	**Contemporary Trade Directory Entries** Name: Aqua Heating Location: 14, Heol Mostyn, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BJ Classification: Bathroom Fixtures - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	412	-	283027 182180
188	**Contemporary Trade Directory Entries** Name: Stanton Automotive Specialist Location: Unit 4 Plot 120 Village Farm Road,Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BL Classification: Garage Services **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A14SW (E)	415	-	283896 181978
188	**Contemporary Trade Directory Entries** Name: Tyco Plastics Location: 11, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BL Classification: Packaging & Wrapping Equipment & Supplies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	428	-	283909 181975
189	**Contemporary Trade Directory Entries** Name: Service Control Engineering Ltd Location: 12, Marshfield Avenue, Bridgend, Mid Glamorgan, CF33 6RX Classification: Electrical Engineers **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	422	-	283075 182276
189	**Contemporary Trade Directory Entries** Name: Poacher & Davies Ltd Location: Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6PF Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	422	-	283075 182276
189	**Contemporary Trade Directory Entries** Name: Poacher & Davies Location: Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6PF Classification: Commercial Vehicle Breakdown & Recovery Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	422	-	283075 182276
189	**Contemporary Trade Directory Entries** Name: Pyle Engineering Ltd Location: Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6PF Classification: Precision Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	422	-	283075 182276
190	**Contemporary Trade Directory Entries** Name: K T Automotive Location: Unit 10, Green Court, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BN Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	448	-	283927 182052
190	**Contemporary Trade Directory Entries** Name: South Wales Carriage Company Location: Unit 9, Green Court, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BN Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	459	-	283938 182056
190	**Contemporary Trade Directory Entries** Name: Moss Technical Services Location: Unit 8,Green Ct,Village Farm Rd,Village Farm Ind Est, Pyle, Bridgend, Mid Glamorgan, CF33 6BL Classification: Electrical Engineers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14NW (E)	476	-	283954 182062
190	**Contemporary Trade Directory Entries** Name: Newman'S M O T Services Location: Unit 5, Green Court, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, CF33 6BN Classification: Mot Testing Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	511	-	283984 182099

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
191	**Contemporary Trade Directory Entries** Name: Usedcrushers Ltd Location: 52-53, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BN Classification: Crushing Plants **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (W)	463	-	282941 181970
192	**Contemporary Trade Directory Entries** Name: Glen Group Location: Pyle Enterprise Centre, 18, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, CF33 6BL Classification: Commercial Cleaning Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	465	-	283945 182029
192	**Contemporary Trade Directory Entries** Name: Fusion Location: Office 6, Pyle Enterprise Centre, 18, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, CF33 6BL Classification: T-Shirts **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	480	-	283961 182011
192	**Contemporary Trade Directory Entries** Name: Pen Pals Ltd Location: Unit 1, Pyle Enterprise Centre, 18, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BL Classification: Office Furniture & Equipment **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	482	-	283964 181996
192	**Contemporary Trade Directory Entries** Name: Pyle Location: 18, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BL Classification: Precision Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	482	-	283964 181996
193	**Contemporary Trade Directory Entries** Name: Dunraven Manufacturing Location: St. Davids House, Heol Mostyn, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BJ Classification: Window Frame Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	465	-	283006 182252
194	**Contemporary Trade Directory Entries** Name: Mistras Location: 17, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BL Classification: Testing, Inspection & Calibration Equipment Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	476	-	283930 182170
194	**Contemporary Trade Directory Entries** Name: Inetec Ltd Location: 17, Village Farm Road, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BL Classification: Waste Processing Machinery **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	476	-	283930 182170
195	**Contemporary Trade Directory Entries** Name: Mark'S Ovencleaning Service Location: 23, Bower Street, Kenfig Hill, Bridgend, Mid Glamorgan, CF33 6NE Classification: Oven cleaning **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	480	-	283126 182400
195	**Contemporary Trade Directory Entries** Name: Ovenclean Location: 23, Bower Street, Kenfig Hill, Bridgend, Mid Glamorgan, CF33 6NE Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	480	-	283126 182400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
196	**Contemporary Trade Directory Entries** Name: Simply Blinds Location: 8, Marshfield Avenue, Kenfig Hill, Bridgend, Mid Glamorgan, CF33 6RP Classification: Blinds, Awnings & Canopies **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	488	-	283020 182313
197	**Contemporary Trade Directory Entries** Name: Red Circle Location: Unit 1 Plot 107,Village Farm Ind Est, Pyle, Bridgend, Mid Glamorgan, CF33 6NU Classification: Concrete Products **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A12NE (W)	496	-	282918 182118
197	**Contemporary Trade Directory Entries** Name: A B Catering Equipment Manufacturer Location: Unit 11 Plot 50 Village Farm Indust Est, Pyle, Bridgend, Mid Glamorgan, CF33 6NU Classification: Catering Equipment **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A12NE (W)	502	-	282918 182142
198	**Contemporary Trade Directory Entries** Name: Poacher & Davies Ltd Location: 19, Heol Mostyn, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BJ Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	502	-	282954 182234
199	**Contemporary Trade Directory Entries** Name: Commercial Print Wales Ltd Location: Marshfield Avenue, Kenfig Hill, Bridgend, Mid Glamorgan, CF33 6RP Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	516	-	282968 182286
200	**Contemporary Trade Directory Entries** Name: First 4 Numbers Ltd Location: Marshfield Av, Kenfig Hill, Bridgend, Mid Glamorgan, CF33 6RP Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A17SE (NW)	559	-	282974 182368
201	**Contemporary Trade Directory Entries** Name: Falkon Repair Centre Location: 11, Heol Mostyn, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BJ Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (W)	593	-	282835 182183
202	**Contemporary Trade Directory Entries** Name: Alloy Wheel Refurbishment Cardiff Location: 45, Pisgah Street, Kenfig Hill, Bridgend, Mid Glamorgan, CF33 6BU Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (N)	626	-	283223 182608
202	**Contemporary Trade Directory Entries** Name: E M D S Ltd Location: 37, Pisgah Street, Kenfig Hill, BRIDGEND, Mid Glamorgan, CF33 6BU Classification: Electrical Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (N)	629	-	283248 182617
203	**Contemporary Trade Directory Entries** Name: Soundbox Technical Services Location: 50, Waun Bant Road, Kenfig Hill, Bridgend, CF33 6DE Classification: Sound Equipment Systems Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SE (NE)	629	-	283742 182583
204	**Contemporary Trade Directory Entries** Name: G-Lec Electrical Ltd Location: Unit 1, 11, Heol Mostyn, Village Farm Industrial Estate, Pyle, Bridgend, Mid Glamorgan, CF33 6BJ Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	660	-	282756 182143

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
205	**Contemporary Trade Directory Entries** Name: Asda Petrol Location: Pyle Industrial Estate, Pyle Cross, Kenfig Hill, Bridgend, Mid Glamorgan, CF33 6BU Classification: Petrol Filling Stations **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A18SW (NW)	668	-	283168 182633
205	**Contemporary Trade Directory Entries** Name: Dse Gas Location: 46, Pisgah Street, Kenfig Hill, Bridgend, Mid Glamorgan, CF33 6BU Classification: Gas Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (N)	668	-	283199 182644
206	**Contemporary Trade Directory Entries** Name: Abnormal Load Specialists Ltd Location: Orchard Cottage, Pyle Road, Pyle, Bridgend, Mid Glamorgan, CF33 6PL Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	683	-	282720 181973
207	**Contemporary Trade Directory Entries** Name: Vick'S Location: 14, Bryn Onnen, Kenfig Hill, Bridgend, Mid Glamorgan, CF33 6EA Classification: Ironing & Home Laundry Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19NW (NE)	724	-	283800 182661
208	**Contemporary Trade Directory Entries** Name: K C Blinds Location: 41, Bridge Street, Kenfig Hill, Bridgend, Mid Glamorgan, CF33 6DB Classification: Blinds, Awnings & Canopies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	738	-	283479 182750
208	**Contemporary Trade Directory Entries** Name: In A Spin Laundry Location: 34, Bridge Street, Kenfig Hill, Bridgend, Mid Glamorgan, CF33 6DD Classification: Laundries & Launderettes **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NW (N)	758	-	283438 182769
209	**Contemporary Trade Directory Entries** Name: Xzorst Products Location: The Garage, Rear Of Waun Bant Road, Kenfig Hill, Bridgend, Mid Glamorgan, CF33 6DE Classification: Exhaust & Shock Absorber Centres **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A18NE (N)	757	-	283536 182767
210	**Contemporary Trade Directory Entries** Name: Farhil Location: 9, Silurian Way, Kenfig Hill, Bridgend, Mid Glamorgan, CF33 6AQ Classification: Industrial Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	765	-	284034 182539
211	**Contemporary Trade Directory Entries** Name: Caravan Services Location: Pyle Rd, Pyle, Bridgend, Mid Glamorgan, CF33 6AE Classification: Caravan Dealers & Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A12NW (W)	779	-	282674 182285
211	**Contemporary Trade Directory Entries** Name: R T Clarke Ltd Location: Central Garage, Pyle Road, Pyle, Bridgend, CF33 6AE Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NW (W)	789	-	282658 182271
211	**Contemporary Trade Directory Entries** Name: Panda Motors (Swansea) Ltd Location: Central Garage, Pyle Road, Pyle, Bridgend, Mid Glamorgan, CF33 6AE Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	789	-	282657 182271

Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
211	**Contemporary Trade Directory Entries** Name: Jeff Price Motor Company Location: Central Garage, Pyle Road, Pyle, Bridgend, CF33 6AE Classification: Car Dealers - Used **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NW (W)	789	-	282658 182271
212	**Contemporary Trade Directory Entries** Name: Texaco Location: Ffald Road, Pyle, Bridgend, Mid Glamorgan, CF33 6NU Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	811	-	282718 182444
212	**Contemporary Trade Directory Entries** Name: Classic Restoration Location: Bisley House, Pyle Road, Pyle, Bridgend, Mid Glamorgan, CF33 6PG Classification: French Polishing **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	811	-	282683 182383
212	**Contemporary Trade Directory Entries** Name: Dragon Hymn Printing Location: 50, Pyle Road, Pyle, Bridgend, Mid Glamorgan, CF33 6PG Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	833	-	282677 182418
212	**Contemporary Trade Directory Entries** Name: Looking Local Ltd Location: 50, Pyle Road, Pyle, Bridgend, Mid Glamorgan, CF33 6PG Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	833	-	282677 182418
213	**Contemporary Trade Directory Entries** Name: S W Tarmac Specialists Location: School House, Pyle Inn Way, Pyle, Bridgend, Mid Glamorgan, CF33 6AB Classification: Asphalt & Coated Macadam Laying Contractors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	863	-	282732 182551
214	**Fuel Station Entries** Name: Central Garage Location: Pyle Road , Pyle , Bridgend, Bridgend, CF33 6AE Brand: Obsolete Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Automatically positioned to the address	A12NW (W)	789	-	282657 182271
215	**Fuel Station Entries** Name: Huw Jenkins Location: Commercial Street , Kenfig Hill , Bridgend, Bridgend, CF33 6DH Brand: Obsolete Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Automatically positioned to the address	A18NE (N)	813	-	283583 182818
216	**Fuel Station Entries** Name: Asda Pyle Location: Pyle Road , Pyle , Bridgend, Bridgend, CF33 6NU Brand: Asda Premises Type: Hypermarket **Status: Open** Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	813	-	282716 182445

Sensitive Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
217	**Local Nature Reserves** Name: Frog Pond Wood Multiple Area: N Area (m2): 28000.52 Source: Bridgend County Borough Council Designation Date: 31st December 1994	A14SW (E)	519	6	283993 181904
218	**Nitrate Vulnerable Zones** Name: Not Supplied Description: Groundwater Source: Natural Resources Wales	A8SW (S)	962	2	283287 180994
219	**Sites of Special Scientific Interest** Name: Penycastell, Cefn Cribwr Multiple Areas: Y Total Area (m2): 78151.13 Source: Natural Resources Wales Reference: 148133wpr Designation Details: Biological Designation Date: 4th December 2000 Date Type: Notified	A14NW (E)	594	2	284076 182006
220	**Special Areas of Conservation** Name: Glaswelltiroedd Cefn Cribwr / Cefn Cribwr Grasslands Multiple Areas: Y Total Area (m2): 581972.2 Source: Natural Resources Wales Reference: Uk0030113 **Status: Designated**	A14NW (E)	594	2	284076 182006

Data Currency

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Bridgend County Borough Council - Environmental Health Department	January 2020	Annual Rolling Update
Vale Of Glamorgan County Borough Council - Environmental Health Department	January 2020	Annual Rolling Update
Natural Resources Wales	June 2020	Annually
Neath Port Talbot County Borough Council - Environmental Health Department	March 2015	Annual Rolling Update
Discharge Consents		
Environment Agency - Welsh Region	August 2014	Quarterly
Natural Resources Wales	July 2020	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - Welsh Region	March 2013	Annual Rolling Update
Integrated Pollution Controls		
Environment Agency - Welsh Region	October 2008	Variable
Integrated Pollution Prevention And Control		
Natural Resources Wales	July 2020	Quarterly
Environment Agency - Welsh Region	October 2020	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Neath Port Talbot County Borough Council - Environmental Health Department	August 2012	Variable
Bridgend County Borough Council - Environmental Health Department	July 2015	Variable
Vale Of Glamorgan County Borough Council - Environmental Health Department	June 2014	Variable
Local Authority Pollution Prevention and Controls		
Bridgend County Borough Council - Environmental Health Department	July 2015	Not Applicable
Vale Of Glamorgan County Borough Council - Environmental Health Department	June 2014	Annual Rolling Update
Neath Port Talbot County Borough Council - Environmental Health Department	March 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Bridgend County Borough Council - Environmental Health Department	July 2015	Variable
Vale Of Glamorgan County Borough Council - Environmental Health Department	June 2014	Variable
Neath Port Talbot County Borough Council - Environmental Health Department	March 2014	Variable
Nearest Surface Water Feature		
Ordnance Survey	September 2020	
Pollution Incidents to Controlled Waters		
Environment Agency - Welsh Region	December 1998	Not Applicable
Prosecutions Relating to Authorised Processes		
Environment Agency - Welsh Region	March 2013	Annual Rolling Update
Natural Resources Wales	March 2013	Annual Rolling Update
Prosecutions Relating to Controlled Waters		
Environment Agency - Welsh Region	March 2013	Annual Rolling Update
Natural Resources Wales	March 2013	Annual Rolling Update
Registered Radioactive Substances		
Natural Resources Wales	January 2015	Annually
Environment Agency - Welsh Region	June 2016	
Substantiated Pollution Incident Register		
Natural Resources Wales	July 2020	Quarterly
Environment Agency Wales - South West Area	October 2020	Quarterly
Water Abstractions		
Natural Resources Wales	July 2020	Quarterly
Environment Agency - Welsh Region	October 2020	Quarterly
Water Industry Act Referrals		
Natural Resources Wales	July 2020	Quarterly
Environment Agency - Welsh Region	October 2017	Quarterly
Groundwater Vulnerability Map		
Natural Resources Wales	June 2018	As notified

Agency & Hydrological	Version	Update Cycle
Bedrock Aquifer Designations Natural Resources Wales	January 2018	Annually
Superficial Aquifer Designations Natural Resources Wales	January 2018	Annually
Source Protection Zones Natural Resources Wales	November 2016	Annual Rolling Update
Extreme Flooding from Rivers or Sea without Defences Natural Resources Wales	August 2018	Quarterly
Flooding from Rivers or Sea without Defences Natural Resources Wales	September 2020	Quarterly
Areas Benefiting from Flood Defences Natural Resources Wales	November 2019	Quarterly
Flood Water Storage Areas Natural Resources Wales	August 2019	Quarterly
Flood Defences Natural Resources Wales	November 2019	Quarterly
OS Water Network Lines Ordnance Survey	June 2020	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually
Waste	**Version**	**Update Cycle**
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Natural Resources Wales	July 2017	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Welsh Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency Wales - South West Area Natural Resources Wales	October 2020 October 2020	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Natural Resources Wales Environment Agency Wales - South West Area	July 2020 October 2020	Quarterly Quarterly
Local Authority Landfill Coverage Bridgend County Borough Council Neath Port Talbot County Borough Council - Environmental Health Department Vale Of Glamorgan County Borough Council	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Bridgend County Borough Council Vale Of Glamorgan County Borough Council Neath Port Talbot County Borough Council - Environmental Health Department	May 2000 May 2000 September 2003	Not Applicable Not Applicable Not Applicable
Registered Landfill Sites Environment Agency Wales - South West Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency Wales - South West Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency Wales - South West Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Bridgend County Borough Council - Planning Department Vale Of Glamorgan County Borough Council - Planning Department Neath Port Talbot County Borough Council - Planning Department	 February 2016 January 2016 October 2015	 Variable Variable Variable
Planning Hazardous Substance Consents Bridgend County Borough Council - Planning Department Vale Of Glamorgan County Borough Council - Planning Department Neath Port Talbot County Borough Council - Planning Department	 February 2016 January 2016 October 2015	 Variable Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2020	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	October 2020	Quarterly
Fuel Station Entries Catalist Ltd - Experian	September 2020	Quarterly
Gas Pipelines National Grid	September 2020	
Underground Electrical Cables National Grid	August 2020	
Sensitive Land Use	**Version**	**Update Cycle**
Ancient Woodland Natural Resources Wales	August 2018	Bi-Annually
Areas of Adopted Green Belt Bridgend County Borough Council Neath Port Talbot County Borough Council - Planning Services Vale Of Glamorgan County Borough Council	 June 2020 June 2020 June 2020	 As notified As notified As notified
Areas of Unadopted Green Belt Bridgend County Borough Council Neath Port Talbot County Borough Council - Planning Services Vale Of Glamorgan County Borough Council	 June 2020 June 2020 June 2020	 As notified As notified As notified
Areas of Outstanding Natural Beauty Natural Resources Wales	June 2019	Bi-Annually
Environmentally Sensitive Areas The National Assembly for Wales - GI Services (Department of Planning & Countryside)	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Bridgend County Borough Council Neath Port Talbot County Borough Council Vale Of Glamorgan County Borough Council	 August 2018 August 2018 August 2018	 Bi-Annually Bi-Annually Bi-Annually
Marine Nature Reserves Natural Resources Wales	August 2018	Bi-Annually
National Nature Reserves Natural Resources Wales	June 2019	Bi-Annually
National Parks Natural Resources Wales	August 2018	Annually
Nitrate Vulnerable Zones Natural Resources Wales The National Assembly for Wales - GI Services (Department of Planning & Countryside)	 July 2019 October 2005	 Bi-Annually
Ramsar Sites Natural Resources Wales	July 2019	Bi-Annually
Sites of Special Scientific Interest Natural Resources Wales	March 2020	Bi-Annually
Special Areas of Conservation Natural Resources Wales	August 2020	Bi-Annually
Special Protection Areas Natural Resources Wales	August 2018	Bi-Annually

Data Suppliers

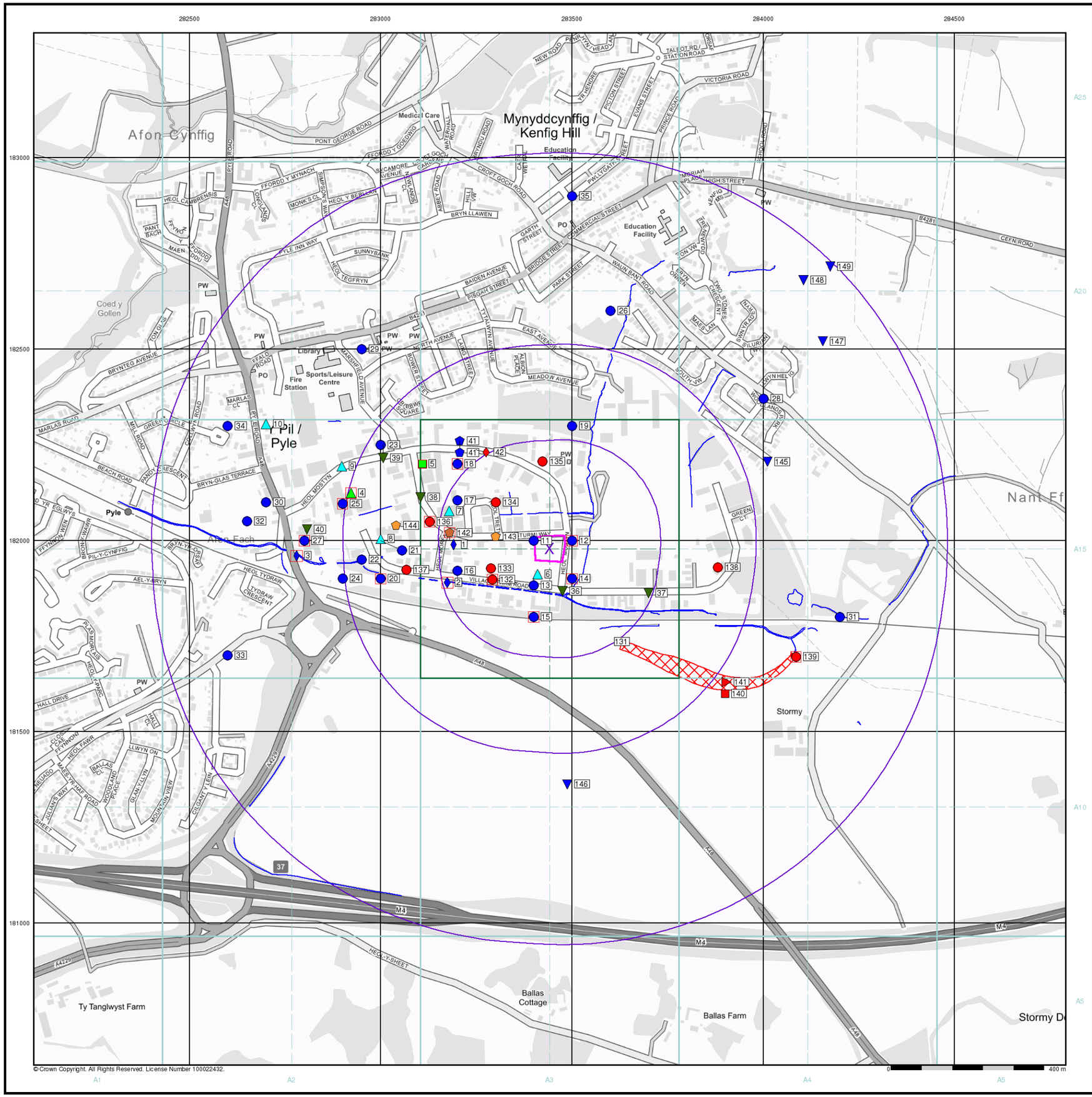
A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Map data
Environment Agency	Environment Agency
Scottish Environment Protection Agency	SEPA Scottish Environment Protection Agency
The Coal Authority	The Coal Authority
British Geological Survey	British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	Cyfoeth Naturiol Cymru Natural Resources Wales
Scottish Natural Heritage	SCOTTISH NATURAL HERITAGE
Natural England	NATURAL ENGLAND
Public Health England	Public Health England
Ove Arup	ARUP
Stantec UK Ltd	Stantec

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Natural Resources Wales** Ty Cambria, 29 Newport Road, Cardiff, CF24 0TP	Telephone: 0300 065 3000 Email: enquiries@naturalresourceswales.gov.uk
3	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
4	**Bridgend County Borough Council - Environmental Health Department** P O Box 4, Civic Offices, Angel Street, Bridgend, Mid Glamorgan, CF31 4WB	Telephone: 01656 643141 Fax: 01656 668126 Website: www.bridgend.gov.uk
5	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	**Bridgend County Borough Council** PO Box 4, Civic Offices, Angel Street, Bridgend, Mid Glamorgan, CF31 1LX	Telephone: 01656 643643 Fax: 01656 668126 Website: www.bridgend.gov.uk
7	**The Coal Authority - Property Searches** 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



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General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

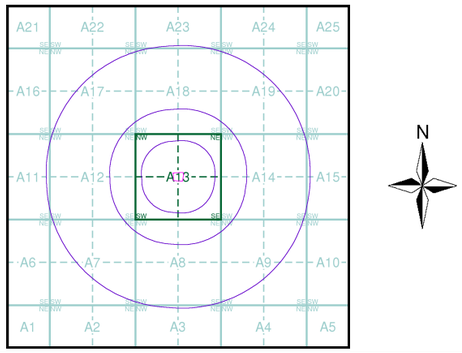
Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Site Sensitivity Map - Slice A



Order Details

Order Number:	268881352_1_1
Customer Ref:	20241
National Grid Reference:	283440, 181980
Slice:	A
Site Area (Ha):	0.5
Search Buffer (m):	1000

Site Details

Site at, Pyle/Y Pil, Neath Port Talbot

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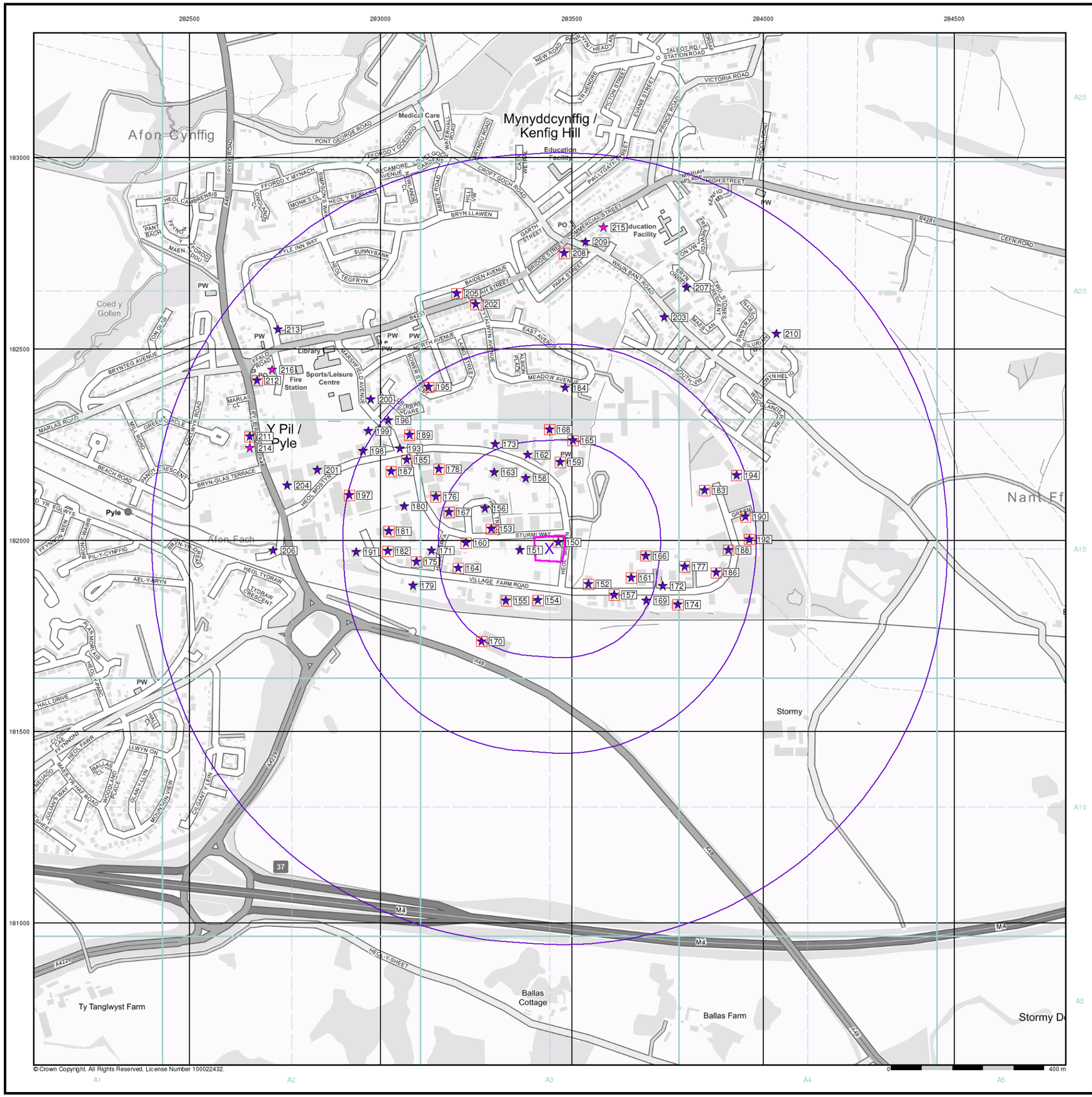
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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Industrial Land Use Map

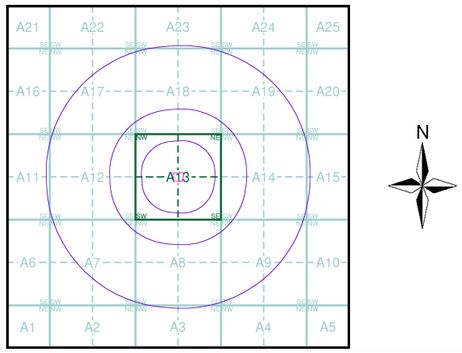
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Underground Electrical Cables

Industrial Land Use Map - Slice A



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Order Number:	268881352_1_1
Customer Ref:	20241
National Grid Reference:	283440, 181980
Slice:	A
Site Area (Ha):	0.5
Search Buffer (m):	1000

Site Details

Site at, Pyle/Y Pil, Neath Port Talbot

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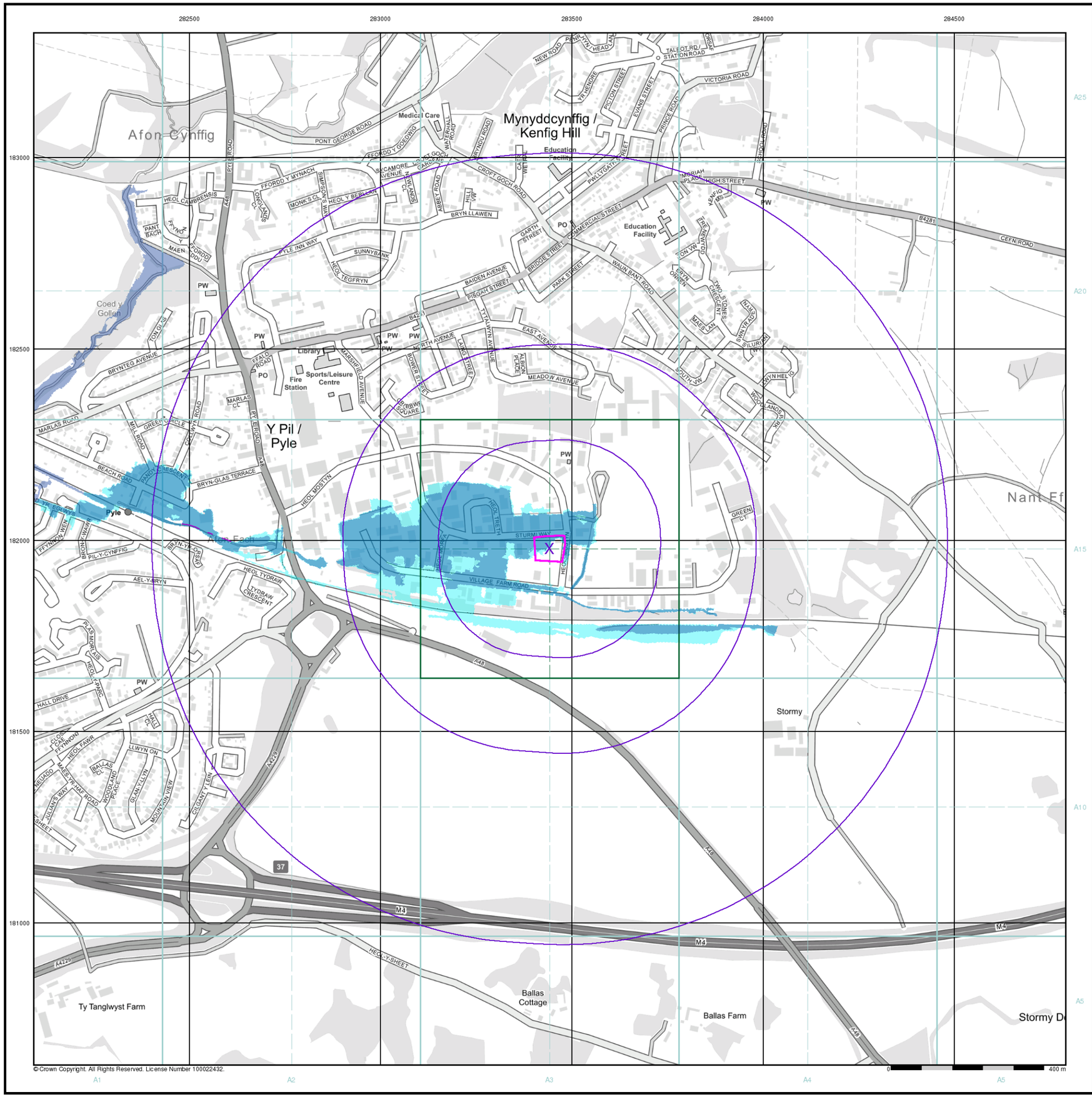
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Envirocheck®

LANDMARK INFORMATION GROUP®

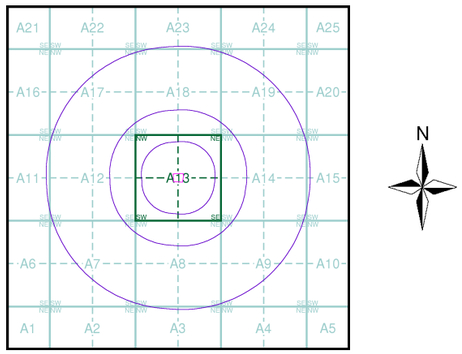
General

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

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice A



Order Details

Order Number:	268881352_1_1
Customer Ref:	20241
National Grid Reference:	283440, 181980
Slice:	A
Site Area (Ha):	0.5
Search Buffer (m):	1000

Site Details

Site at, Pyle/Y Pil, Neath Port Talbot

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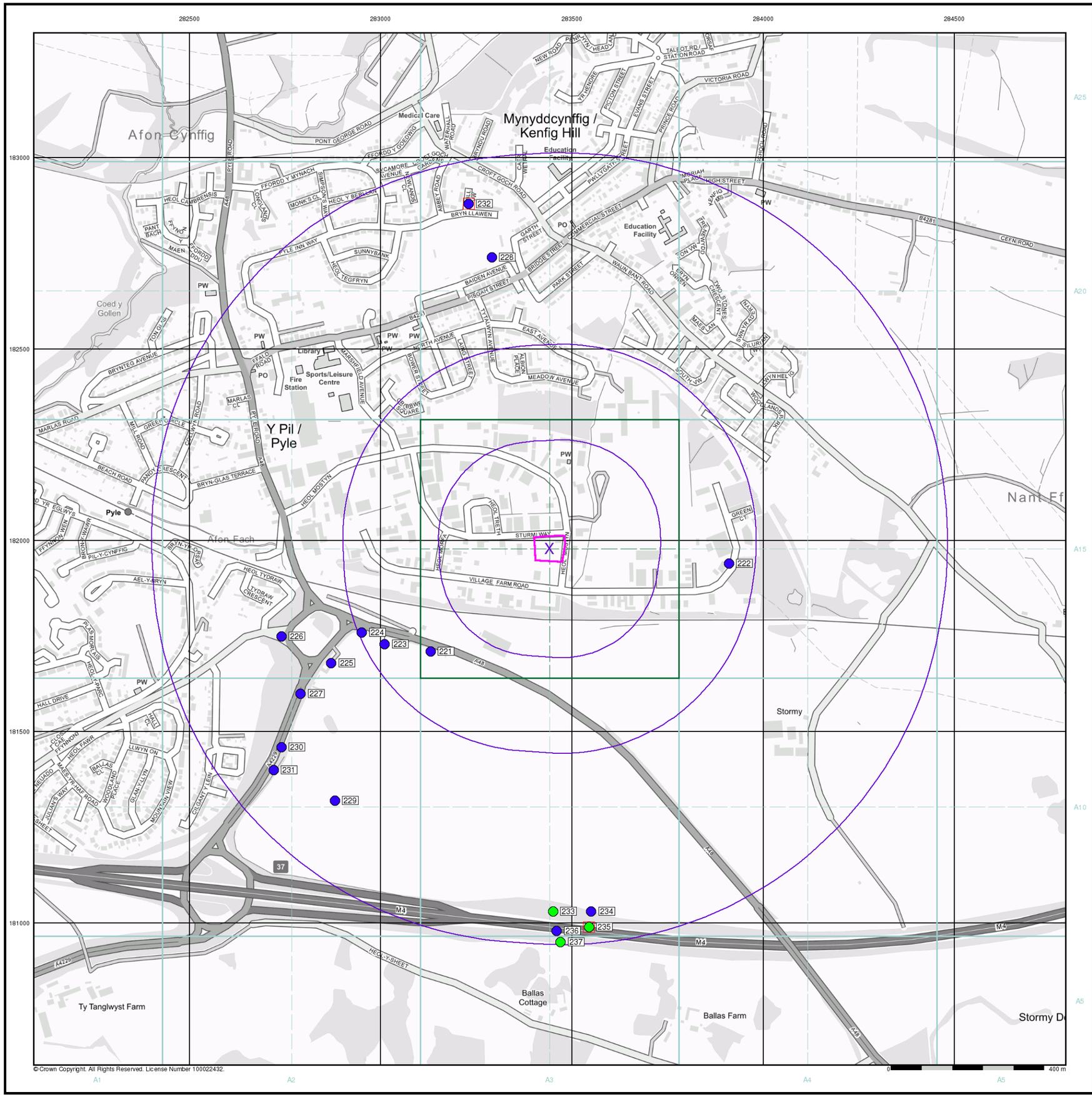
Web: www.envirocheck.co.uk



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0 400 m

Envirocheck®

LANDMARK INFORMATION GROUP®

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

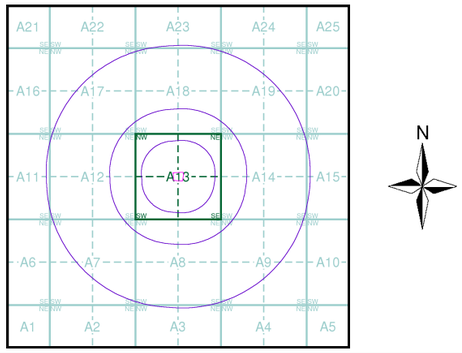
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A



Order Details

Order Number:	268881352_1_1
Customer Ref:	20241
National Grid Reference:	283440, 181980
Slice:	A
Site Area (Ha):	0.5
Search Buffer (m):	1000

Site Details

Site at, Pyle/Y Pil, Neath Port Talbot

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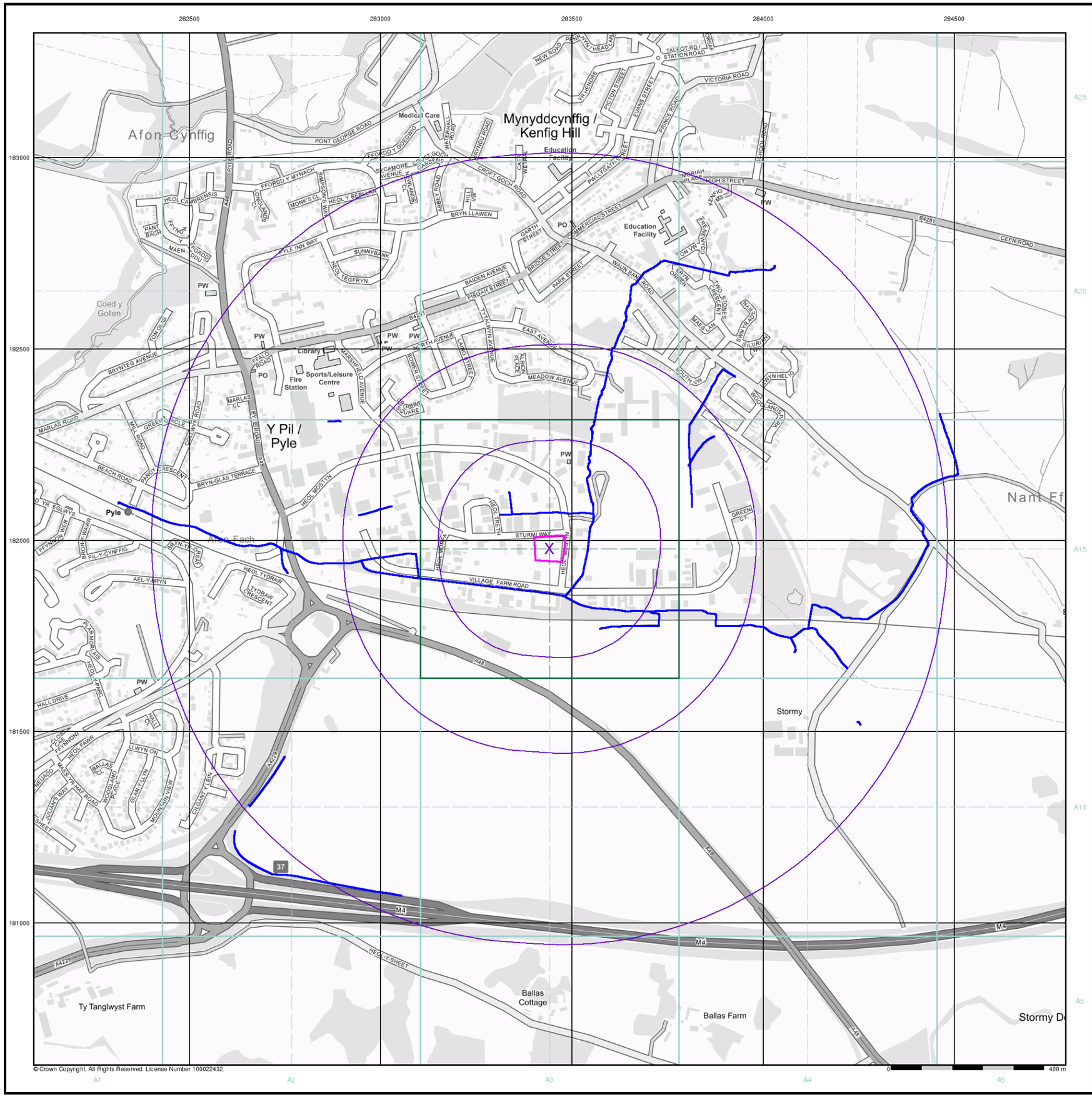
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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LANDMARK INFORMATION GROUP®

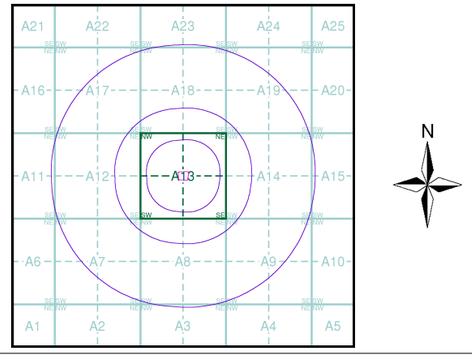
General

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

OS Water Network Data

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

OS Water Network Map - Slice A



Order Details

Order Number:	268881352_1_1
Customer Ref:	20241
National Grid Reference:	283440, 181980
Slice:	A
Site Area (Ha):	0.5
Search Buffer (m):	1000

Site Details

Site at, Pyle/Y Pil, Neath Port Talbot

Landmark® INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Appendix F: Geo-chemical laboratory testing

Unit 7-8 Hawarden Business Park
Manor Road (off Manor Lane)
Hawarden
Deeside
CH5 3US
Tel: (01244) 528700
Fax: (01244) 528701
email: hawardencustomerservices@alsglobal.com
Website: www.alsenvironmental.co.uk

Yellow Sub Geo Ltd
7 Neptune Court
Vanguard Way
Cardiff
CF24 5PJ

Attention: Gareth Owen

CERTIFICATE OF ANALYSIS

Date of report Generation:	04 December 2020
Customer:	Yellow Sub Geo Ltd
Sample Delivery Group (SDG):	201124-23
Your Reference:	Pyle CRC
Location:	Pyle, Bridgend
Report No:	578614

This report has been revised and directly supersedes 577924 in its entirety.

We received 18 samples on Saturday November 21, 2020 and 18 of these samples were scheduled for analysis which was completed on Friday December 04, 2020. Accredited laboratory tests are defined within the report, but opinions, interpretations and on-site data expressed herein are outside the scope of ISO 17025 accreditation.

Should this report require incorporation into client reports, it must be used in its entirety and not simply with the data sections alone.

Chemical testing (unless subcontracted) performed at ALS Life Sciences Ltd Hawarden (Method codes TM) or ALS Life Sciences Ltd Aberdeen (Method codes S).

All sample data is provided by the customer. The reported results relate to the sample supplied, and on the basis that this data is correct.
Incorrect sampling dates and/or sample information will affect the validity of results.
The customer is not permitted to reproduce this report except in full without the approval of the laboratory.

Approved By:

Sonia McWhan

Operations Manager

Received Sample Overview

Lab Sample No(s)	Customer Sample Ref.	AGS Ref.	Depth (m)	Sampled Date
23299356	Sump water		0.00 - 0.00	23/11/2020
23299388	TP3A ES1		0.30 - 0.30	23/11/2020
23299258	TP1 ES1		0.20 - 0.20	23/11/2020
23299397	TP1 ES2		1.70 - 1.70	23/11/2020
23299370	TP2 ES1		0.10 - 0.10	23/11/2020
23299379	TP3 ES1		0.30 - 0.30	23/11/2020
23299267	TP4 ES1		0.50 - 0.50	23/11/2020
23299277	TP4 ES2		1.70 - 1.70	23/11/2020
23299418	TP5 ES1		0.40 - 0.40	23/11/2020
23299424	TP6 ES1		0.40 - 0.40	23/11/2020
23299288	TP7 ES1		0.50 - 0.50	23/11/2020
23299298	TP7 ES2		1.80 - 1.80	23/11/2020
23299406	TP8 ES1		0.50 - 0.50	23/11/2020
23299413	TP8 ES2		1.30 - 1.30	23/11/2020
23299308	TP9 ES1		0.20 - 0.20	23/11/2020
23299321	TP9 ES2		0.80 - 0.80	23/11/2020
23299331	TP9 ES3		2.00 - 2.00	23/11/2020
23299342	TP5 WATER		0.00 - 0.00	23/11/2020

Only received samples which have had analysis scheduled will be shown on the following pages.

Validated

CERTIFICATE OF ANALYSIS

SDG:	201124-23	**Client Reference:**	Pyle CRC	**Report Number:**	578614
Location:	Pyle, Bridgend	**Order Number:**	P20241_1	**Superseded Report:**	577924

Results Legend

X Test

N No Determination Possible

Sample Types -

S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

Lab Sample No(s)	23299356	23299388	23299258	23299397	23299370	23299379
Customer Sample Reference	Sump water	TP3A ES1	TP1 ES1	TP1 ES2	TP2 ES1	TP3 ES1
AGS Reference						
Depth (m)	0.00 - 0.00	0.30 - 0.30	0.20 - 0.20	1.70 - 1.70	0.10 - 0.10	0.30 - 0.30
Container	0.5l glass bottle (ALE227) / 500ml Plastic (ALE208) / H2SO4 (ALE244) / HNO3 Filtered (ALE204) / NaOH (ALE245) / Vial (ALE297)	1kg TUB with Handle (ALE260) / 250g Amber Jar (ALE210) / 60g VOC (ALE215)	1kg TUB with Handle (ALE260) / 250g Amber Jar (ALE210) / 60g VOC (ALE215)	1kg TUB with Handle (ALE260) / 250g Amber Jar (ALE210) / 60g VOC (ALE215)	1kg TUB with Handle (ALE260) / 250g Amber Jar (ALE210) / 60g VOC (ALE215)	1kg TUB with Handle (ALE260)
Sample Type	GW	S	S	S	S	S

Alkalinity as CaCO3	All	NDPs: 0 Tests: 2		X																
Ammoniacal Nitrogen	All	NDPs: 0 Tests: 2			X															
ANC at pH4 and ANC at pH 6	All	NDPs: 0 Tests: 8													X					
Anions by Kone (soil)	All	NDPs: 0 Tests: 16								X			X		X			X		
Anions by Kone (w)	All	NDPs: 0 Tests: 10		X											X					X
Asbestos ID in Solid Samples	All	NDPs: 0 Tests: 16							X			X			X			X		X
Asbestos Quantification - Full	All	NDPs: 0 Tests: 1															X			
Boron Water Soluble	All	NDPs: 0 Tests: 16								X			X		X			X		
Chromium III	All	NDPs: 0 Tests: 16								X			X		X			X		
Coronene	All	NDPs: 0 Tests: 8													X					
Cyanide Comp/Free/Total/Thiocyanate	All	NDPs: 0 Tests: 18					X			X			X		X			X		
Dissolved Metals by ICP-MS	All	NDPs: 0 Tests: 10				X									X					X
Dissolved Organic/Inorganic Carbon	All	NDPs: 0 Tests: 10	X												X					X
EPH by GCxGC-FID	All	NDPs: 0 Tests: 8													X					
EPH CWG (Aliphatic) Aqueous GC (W)	All	NDPs: 0 Tests: 2	X																	

23299406	TP8 ES1		0.50 - 0.50	1kg TUB with Handle (ALE260)	S					X	X						X	X			
23299298	TP7 ES2		1.80 - 1.80	60g VOC (ALE215)	S																
				250g Amber Jar (ALE210)	S		X	X					X	X	X	X			X		
				1kg TUB with Handle (ALE260)	S					X	X						X	X			
23299288	TP7 ES1		0.50 - 0.50	60g VOC (ALE215)	S																
				250g Amber Jar (ALE210)	S		X	X					X	X	X	X			X		
				1kg TUB with Handle (ALE260)	S					X	X						X	X			
23299424	TP6 ES1		0.40 - 0.40	60g VOC (ALE215)	S																
				250g Amber Jar (ALE210)	S			X					X	X		X					
				1kg TUB with Handle (ALE260)	S						X										
23299418	TP5 ES1		0.40 - 0.40	60g VOC (ALE215)	S																
				250g Amber Jar (ALE210)	S			X					X	X		X					
				1kg TUB with Handle (ALE260)	S						X										
23299277	TP4 ES2		1.70 - 1.70	60g VOC (ALE215)	S																
				250g Amber Jar (ALE210)	S			X					X	X		X					
				1kg TUB with Handle (ALE260)	S						X										
23299267	TP4 ES1		0.50 - 0.50	60g VOC (ALE215)	S																
				250g Amber Jar (ALE210)	S		X	X					X	X	X	X			X		
				1kg TUB with Handle (ALE260)	S					X	X						X	X			
23299379	TP3 ES1		0.30 - 0.30	60g VOC (ALE215)	S																
				250g Amber Jar (ALE210)	S		X	X					X	X	X	X			X		

Validated

CERTIFICATE OF ANALYSIS

SDG:	201124-23	**Client Reference:**	Pyle CRC	**Report Number:**	578614
Location:	Pyle, Bridgend	**Order Number:**	P20241_1	**Superseded Report:**	577924

Results Legend

X Test

N No Determination Possible

Sample Types -
S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

Lab Sample No(s)			23299356						23299388			23299258			23299397			23299370			23299379
Customer Sample Reference			Sump water						TP3A ES1			TP1 ES1			TP1 ES2			TP2 ES1			TP3 ES1
AGS Reference																					
Depth (m)			0.00 - 0.00						0.30 - 0.30			0.20 - 0.20			1.70 - 1.70			0.10 - 0.10			0.30 - 0.30
Container			0.5l glass bottle (ALE227)	500ml Plastic (ALE208)	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)
Sample Type			GW	GW	GW	GW	GW	GW	S	S	S	S	S	S	S	S	S	S	S	S	S
EPH CWG (Aromatic) Aqueous GC (W)	All	NDPs: 0 Tests: 2	X																		
EPH CWG GC (S)	All	NDPs: 0 Tests: 16								X			X			X			X		
Fluoride	All	NDPs: 0 Tests: 8													X						X
GRO by GC-FID (S)	All	NDPs: 0 Tests: 16									X			X			X			X	
GRO by GC-FID (W)	All	NDPs: 0 Tests: 2						X													
Hexavalent Chromium (s)	All	NDPs: 0 Tests: 16								X			X			X			X		
Loss on Ignition in soils	All	NDPs: 0 Tests: 8														X					
Low Level Phenols by HPLC (W)	All	NDPs: 0 Tests: 2			X																
Mercury Dissolved	All	NDPs: 0 Tests: 10				X									X						X
Metals in solid samples by OES	All	NDPs: 0 Tests: 16								X			X			X			X		
Nitrite by Kone (w)	All	NDPs: 0 Tests: 2					X														
NRA Leachate	All	NDPs: 0 Tests: 8													X						X
PAH 16 & 17 Calc	All	NDPs: 0 Tests: 8														X					
PAH by GCMS	All	NDPs: 0 Tests: 16								X			X			X			X		
PAH Spec MS - Aqueous (W)	All	NDPs: 0 Tests: 2	X																		

23299406	TP8 ES1		0.50 - 0.50	1kg TUB with Handle (ALE260)	S						X												X						X						
23299298	TP7 ES2		1.80 - 1.80	60g VOC (ALE215)	S								X																						
				250g Amber Jar (ALE210)	S				X								X		X						X						X		X		
				1kg TUB with Handle (ALE260)	S						X												X						X						
23299288	TP7 ES1		0.50 - 0.50	60g VOC (ALE215)	S								X																						
				250g Amber Jar (ALE210)	S				X								X		X						X						X		X		
				1kg TUB with Handle (ALE260)	S						X												X						X						
23299424	TP6 ES1		0.40 - 0.40	60g VOC (ALE215)	S								X																						
				250g Amber Jar (ALE210)	S				X								X								X								X		
				1kg TUB with Handle (ALE260)	S																														
23299418	TP5 ES1		0.40 - 0.40	60g VOC (ALE215)	S								X																						
				250g Amber Jar (ALE210)	S				X								X								X								X		
				1kg TUB with Handle (ALE260)	S																														
23299277	TP4 ES2		1.70 - 1.70	60g VOC (ALE215)	S								X																						
				250g Amber Jar (ALE210)	S				X								X								X								X		
				1kg TUB with Handle (ALE260)	S																														
23299267	TP4 ES1		0.50 - 0.50	60g VOC (ALE215)	S								X																						
				250g Amber Jar (ALE210)	S				X								X		X						X						X		X		
				1kg TUB with Handle (ALE260)	S						X												X						X						
23299379	TP3 ES1		0.30 - 0.30	60g VOC (ALE215)	S								X																						
				250g Amber Jar (ALE210)	S				X								X		X						X						X		X		

Validated

CERTIFICATE OF ANALYSIS

SDG:	201124-23	**Client Reference:**	Pyle CRC	**Report Number:**	578614
Location:	Pyle, Bridgend	**Order Number:**	P20241_1	**Superseded Report:**	577924

Results Legend

X Test

N No Determination Possible

Sample Types -
S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

Lab Sample No(s)									23299356			23299388			23299258			23299397			23299370		23299379
Customer Sample Reference									Sump water			TP3A ES1			TP1 ES1			TP1 ES2			TP2 ES1		TP3 ES1
AGS Reference																							
Depth (m)									0.00 - 0.00			0.30 - 0.30			0.20 - 0.20			1.70 - 1.70			0.10 - 0.10		0.30 - 0.30
Container			0.5l glass bottle (ALE227)	500ml Plastic (ALE208)	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	Vial (ALE297)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)
Sample Type			GW	GW	GW	GW	GW	GW	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
PCBs by GCMS	All	NDPs: 0 Tests: 8														X							
pH	All	NDPs: 0 Tests: 16								X			X			X			X				
pH Value	All	NDPs: 0 Tests: 2		X																			
Phenols by HPLC (S)	All	NDPs: 0 Tests: 16								X			X			X			X				
Phenols by HPLC (W)	All	NDPs: 0 Tests: 8													X								X
Sample description	All	NDPs: 0 Tests: 16								X			X			X			X				
Total Dissolved Solids	All	NDPs: 0 Tests: 8													X								X
Total Organic Carbon	All	NDPs: 0 Tests: 16								X			X			X			X				
TPH CWG (W)	All	NDPs: 0 Tests: 2	X																				
TPH CWG GC (S)	All	NDPs: 0 Tests: 16								X			X			X			X				
VOC MS (S)	All	NDPs: 0 Tests: 16									X			X			X			X		
VOC MS (W)	All	NDPs: 0 Tests: 2						X															

14:09:36 04/12/2020

23299406	TP8 ES1		0.50 - 0.50	1kg TUB with Handle (ALE260)	S					X		X						
23299298	TP7 ES2		1.80 - 1.80	60g VOC (ALE215)	S											X		
				250g Amber Jar (ALE210)	S	X	X		X		X		X		X			
				1kg TUB with Handle (ALE260)	S					X		X						
23299288	TP7 ES1		0.50 - 0.50	60g VOC (ALE215)	S											X		
				250g Amber Jar (ALE210)	S	X	X		X		X		X		X			
				1kg TUB with Handle (ALE260)	S					X		X						
23299424	TP6 ES1		0.40 - 0.40	60g VOC (ALE215)	S											X		
				250g Amber Jar (ALE210)	S		X		X		X		X		X			
				1kg TUB with Handle (ALE260)	S													
23299418	TP5 ES1		0.40 - 0.40	60g VOC (ALE215)	S											X		
				250g Amber Jar (ALE210)	S		X		X		X		X		X			
				1kg TUB with Handle (ALE260)	S													
23299277	TP4 ES2		1.70 - 1.70	60g VOC (ALE215)	S											X		
				250g Amber Jar (ALE210)	S		X		X		X		X		X			
				1kg TUB with Handle (ALE260)	S													
23299267	TP4 ES1		0.50 - 0.50	60g VOC (ALE215)	S											X		
				250g Amber Jar (ALE210)	S	X	X		X		X		X		X			
				1kg TUB with Handle (ALE260)	S					X		X						
23299379	TP3 ES1		0.30 - 0.30	60g VOC (ALE215)	S											X		
				250g Amber Jar (ALE210)	S	X	X		X		X		X		X			

Validated

CERTIFICATE OF ANALYSIS

SDG:	201124-23	**Client Reference:**	Pyle CRC	**Report Number:**	578614
Location:	Pyle, Bridgend	**Order Number:**	P20241_1	**Superseded Report:**	577924

Results Legend

X Test

N No Determination Possible

Sample Types -
S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

Lab Sample No(s)	23299406					23299413			23299308			23299321			23299331					23299342
Customer Sample Reference	TP8 ES1					TP8 ES2			TP9 ES1			TP9 ES2			TP9 ES3					TP5 WATER
AGS Reference																				
Depth (m)	0.50 - 0.50					1.30 - 1.30			0.20 - 0.20			0.80 - 0.80			2.00 - 2.00					0.00 - 0.00
Container	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	0.5l glass bottle (ALE227)	500ml Plastic (ALE208)	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)	
Sample Type	S	S	S	S	S	S	S	S	S	S	S	S	S	S	GW	GW	GW	GW	GW	
Alkalinity as CaCO3 — All — NDPs: 0 Tests: 2																X				
Ammoniacal Nitrogen — All — NDPs: 0 Tests: 2																	X			
ANC at pH4 and ANC at pH 6 — All — NDPs: 0 Tests: 8	X									X			X							
Anions by Kone (soil) — All — NDPs: 0 Tests: 16	X			X			X			X			X							
Anions by Kone (w) — All — NDPs: 0 Tests: 10									X			X				X				
Asbestos ID in Solid Samples — All — NDPs: 0 Tests: 16			X			X			X			X								
Boron Water Soluble — All — NDPs: 0 Tests: 16	X			X			X			X			X							
Chromium III — All — NDPs: 0 Tests: 16	X			X			X			X			X							
Coronene — All — NDPs: 0 Tests: 8	X									X			X							
Cyanide Comp/Free/Total/Thiocyanate — All — NDPs: 0 Tests: 18	X			X			X			X			X							X
Dissolved Metals by ICP-MS — All — NDPs: 0 Tests: 10									X			X						X		
Dissolved Organic/Inorganic Carbon — All — NDPs: 0 Tests: 10									X			X			X					
EPH by GCxGC-FID — All — NDPs: 0 Tests: 8	X									X			X							
EPH CWG (Aliphatic) Aqueous GC (W) — All — NDPs: 0 Tests: 2															X					
EPH CWG (Aromatic) Aqueous GC (W) — All — NDPs: 0 Tests: 2															X					

23299342	TP5 WATER		0.00 - 0.00	Vial (ALE297)	GW																														

Validated

CERTIFICATE OF ANALYSIS

SDG:	201124-23	**Client Reference:**	Pyle CRC	**Report Number:**	578614
Location:	Pyle, Bridgend	**Order Number:**	P20241_1	**Superseded Report:**	577924

Results Legend

X Test

N No Determination Possible

Sample Types -
S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

Lab Sample No(s)	23299406			23299413			23299308			23299321			23299331							23299342
Customer Sample Reference	TP8 ES1			TP8 ES2			TP9 ES1			TP9 ES2			TP9 ES3							TP5 WATER
AGS Reference																				
Depth (m)	0.50 - 0.50			1.30 - 1.30			0.20 - 0.20			0.80 - 0.80			2.00 - 2.00							0.00 - 0.00
Container	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	0.5l glass bottle (ALE227)	500ml Plastic (ALE208)	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)
Sample Type	S	S	S	S	S	S	S	S	S	S	S	S	S	S	GW	GW	GW	GW	GW
EPH CWG GC (S) — All — NDPs: 0 Tests: 16	X			X			X			X			X						
Fluoride — All — NDPs: 0 Tests: 8									X			X							
GRO by GC-FID (S) — All — NDPs: 0 Tests: 16		X			X			X			X			X					
GRO by GC-FID (W) — All — NDPs: 0 Tests: 2																			
Hexavalent Chromium (s) — All — NDPs: 0 Tests: 16	X			X			X			X			X						
Loss on Ignition in soils — All — NDPs: 0 Tests: 8	X									X			X						
Low Level Phenols by HPLC (W) — All — NDPs: 0 Tests: 2																	X		
Mercury Dissolved — All — NDPs: 0 Tests: 10									X			X						X	
Metals in solid samples by OES — All — NDPs: 0 Tests: 16	X			X			X			X			X						
Nitrite by Kone (w) — All — NDPs: 0 Tests: 2																			X
NRA Leachate — All — NDPs: 0 Tests: 8									X			X							
PAH 16 & 17 Calc — All — NDPs: 0 Tests: 8	X									X			X						
PAH by GCMS — All — NDPs: 0 Tests: 16	X			X			X			X			X						
PAH Spec MS - Aqueous (W) — All — NDPs: 0 Tests: 2															X				
PCBs by GCMS — All — NDPs: 0 Tests: 8	X									X			X						

23299342	TP5 WATER		0.00 - 0.00	Vial (ALE297)	GW								X																						

Validated

CERTIFICATE OF ANALYSIS

SDG:	201124-23	**Client Reference:**	Pyle CRC	**Report Number:**	578614
Location:	Pyle, Bridgend	**Order Number:**	P20241_1	**Superseded Report:**	577924

Results Legend

X Test

N No Determination Possible

Sample Types -
S - Soil/Solid
UNS - Unspecified Solid
GW - Ground Water
SW - Surface Water
LE - Land Leachate
PL - Prepared Leachate
PR - Process Water
SA - Saline Water
TE - Trade Effluent
TS - Treated Sewage
US - Untreated Sewage
RE - Recreational Water
DW - Drinking Water Non-regulatory
UNL - Unspecified Liquid
SL - Sludge
G - Gas
OTH - Other

Lab Sample No(s)			23299406					23299413					23299308					23299321					23299331					23299342				
Customer Sample Reference			TP8 ES1					TP8 ES2					TP9 ES1					TP9 ES2					TP9 ES3					TP5 WATER				
AGS Reference																																
Depth (m)			0.50 - 0.50					1.30 - 1.30					0.20 - 0.20					0.80 - 0.80					2.00 - 2.00					0.00 - 0.00				
Container			250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	1kg TUB with Handle (ALE260)	250g Amber Jar (ALE210)	60g VOC (ALE215)	0.5l glass bottle (ALE227)	500ml Plastic (ALE208)	H2SO4 (ALE244)	HNO3 Filtered (ALE204)	NaOH (ALE245)
Sample Type			S	S	S	S	S	S	S	S	S	S	S	S	S	S	GW	GW	GW	GW	GW
pH	All	NDPs: 0 Tests: 16	X			X			X			X			X						
pH Value	All	NDPs: 0 Tests: 2																X			
Phenols by HPLC (S)	All	NDPs: 0 Tests: 16	X			X			X			X			X						
Phenols by HPLC (W)	All	NDPs: 0 Tests: 8									X			X							
Sample description	All	NDPs: 0 Tests: 16	X			X			X			X			X						
Total Dissolved Solids	All	NDPs: 0 Tests: 8									X			X							
Total Organic Carbon	All	NDPs: 0 Tests: 16	X			X			X			X			X						
TPH CWG (W)	All	NDPs: 0 Tests: 2															X				
TPH CWG GC (S)	All	NDPs: 0 Tests: 16	X			X			X			X			X						
VOC MS (S)	All	NDPs: 0 Tests: 16		X			X			X			X			X					
VOC MS (W)	All	NDPs: 0 Tests: 2																			

23299342	TP5 WATER		0.00 - 0.00	Vial (ALE297)	GW																				X

Sample Descriptions

Grain Sizes

very fine	<0.063mm	fine	0.063mm - 0.1mm	medium	0.1mm - 2mm	coarse	2mm - 10mm	very coarse	>10mm

Lab Sample No(s)	Customer Sample Ref.	Depth (m)	Colour	Description	Inclusions	Inclusions 2
23299258	TP1 ES1	0.20 - 0.20	Dark Brown	N/A	Stones	Vegetation
23299397	TP1 ES2	1.70 - 1.70	Light Brown	N/A	None	None
23299370	TP2 ES1	0.10 - 0.10	Dark Brown	N/A	Stones	Vegetation
23299379	TP3 ES1	0.30 - 0.30	Black	Sand	Stones	Vegetation
23299267	TP4 ES1	0.50 - 0.50	Dark Brown	Silty Sand	Stones	None
23299277	TP4 ES2	1.70 - 1.70	Light Brown	Silty Clay	Vegetation	None
23299418	TP5 ES1	0.40 - 0.40	Grey	Silty Sand	Stones	None
23299424	TP6 ES1	0.40 - 0.40	Light Brown	Silty Clay	Stones	None
23299288	TP7 ES1	0.50 - 0.50	Grey	Sand	Stones	None
23299298	TP7 ES2	1.80 - 1.80	Light Brown	Loamy Sand	Stones	None
23299406	TP8 ES1	0.50 - 0.50	Dark Brown	Silty Sand	Stones	Vegetation
23299413	TP8 ES2	1.30 - 1.30	Light Brown	Sandy Clay	Stones	None
23299308	TP9 ES1	0.20 - 0.20	Light Brown	Sand	Stones	None
23299321	TP9 ES2	0.80 - 0.80	Grey	Sand	Stones	None
23299331	TP9 ES3	2.00 - 2.00	Light Brown	Loamy Sand	Stones	None
23299388	TP3A ES1	0.30 - 0.30	Black	Sand	Stones	Vegetation

These descriptions are only intended to act as a cross check if sample identities are questioned, and to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions.

We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally ocurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample.

Other coarse granular materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

Validated

CERTIFICATE OF ANALYSIS

SDG:	201124-23	**Client Reference:**	Pyle CRC	**Report Number:**	578614
Location:	Pyle, Bridgend	**Order Number:**	P20241_1	**Superseded Report:**	577924

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+§@	Sample deviation (see appendix)

Customer Sample Ref.			Sump water	TP3A ES1	TP1 ES1	TP1 ES2	TP2 ES1	TP3 ES1
Depth (m)			0.00 - 0.00	0.30 - 0.30	0.20 - 0.20	1.70 - 1.70	0.10 - 0.10	0.30 - 0.30
Sample Type			Ground Water (GW)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Date Sampled			23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020
Sample Time			.	.	.	.	.	.
Date Received			21/11/2020	21/11/2020	21/11/2020	21/11/2020	21/11/2020	21/11/2020
SDG Ref			201124-23	201124-23	201124-23	201124-23	201124-23	201124-23
Lab Sample No.(s)			23299356	23299388	23299258	23299397	23299370	23299379
AGS Reference								
Component	**LOD/Units**	**Method**						
Alkalinity, Total as CaCO3	<2 mg/l	TM043	244 #					
Carbon, Organic (diss.filt)	<3 mg/l	TM090	7.89					
Ammoniacal Nitrogen as NH3	<0.2 mg/l	TM099	0.925 #					
Ammoniacal Nitrogen as NH4	<0.3 mg/l	TM099	0.98 #					
Antimony (diss.filt)	<1 µg/l	TM152	4.1 #					
Arsenic (diss.filt)	<0.5 µg/l	TM152	1.79 #					
Barium (diss.filt)	<0.2 µg/l	TM152	103 #					
Beryllium (diss.filt)	<0.1 µg/l	TM152	<0.1 #					
Boron (diss.filt)	<10 µg/l	TM152	91.5 #					
Cadmium (diss.filt)	<0.08 µg/l	TM152	<0.08 #					
Chromium (diss.filt)	<1 µg/l	TM152	<1 #					
Copper (diss.filt)	<0.3 µg/l	TM152	2.64 #					
Lead (diss.filt)	<0.2 µg/l	TM152	<0.2 #					
Molybdenum (diss.filt)	<3 µg/l	TM152	14 #					
Nickel (diss.filt)	<0.4 µg/l	TM152	3.62 #					
Selenium (diss.filt)	<1 µg/l	TM152	1.63 #					
Zinc (diss.filt)	<1 µg/l	TM152	11.8 #					
Mercury (diss.filt)	<0.01 µg/l	TM183	<0.01 #					
Nitrite as NO2	<0.05 mg/l	TM184	0.287 #					
Sulphate	<2 mg/l	TM184	76 #					
Chloride	<2 mg/l	TM184	30 #					
Nitrate as NO3	<0.3 mg/l	TM184	3.02					
Cyanide, Total	<0.05 mg/l	TM227	<0.05 #					
Phenol (low level)	<0.5 µg/l	TM255	0.85					
Cresols (low level)	<0.5 µg/l	TM255	<0.5					
Xylenols (low level)	<0.5 µg/l	TM255	<0.5					
Sum of Detected Monohydric Phenols	<0.5 µg/l	TM255	0.85					
pH	<1 pH Units	TM256	7.5 #					
Moisture Content Ratio (% of as received sample)	%	PM024		16	8.8	16	8.5	12
Loss on ignition	<0.7 %	TM018				9.45 #		28.5 M
Phenol	<0.01 mg/kg	TM062 (S)		<0.01 M	<0.01	<0.01 M	0.0437 #	<0.01 M
Carbon, Organic (diss.filt) NRA leach	<3 mg/l	TM090				6.39		3.63
Fluoride NRA leach	<0.5 mg/l	TM104				<0.5		<0.5

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Validated

CERTIFICATE OF ANALYSIS

SDG:	201124-23	**Client Reference:**	Pyle CRC	**Report Number:**	578614
Location:	Pyle, Bridgend	**Order Number:**	P20241_1	**Superseded Report:**	577924

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+§@	Sample deviation (see appendix)

Customer Sample Ref.			Sump water	TP3A ES1	TP1 ES1	TP1 ES2	TP2 ES1	TP3 ES1
Depth (m)			0.00 - 0.00	0.30 - 0.30	0.20 - 0.20	1.70 - 1.70	0.10 - 0.10	0.30 - 0.30
Sample Type			Ground Water (GW)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Date Sampled			23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020
Sample Time			.	.	.	.	.	.
Date Received			21/11/2020	21/11/2020	21/11/2020	21/11/2020	21/11/2020	21/11/2020
SDG Ref			201124-23	201124-23	201124-23	201124-23	201124-23	201124-23
Lab Sample No.(s)			23299356	23299388	23299258	23299397	23299370	23299379
AGS Reference								
Component	**LOD/Units**	**Method**						
Dissolved solids, Total (meter) NRA leach	<5 mg/l	TM123				34.7		66.4
Organic Carbon, Total	<0.2 %	TM132				0.473 #		15.3 M
Fraction Organic Carbon (FOC)	<0.002	TM132		0.143 #	0.0605	0.00473 #	0.0237 #	0.153 #
pH	1 pH Units	TM133		8.43 M	11.8	7.02 #	11.4 #	8.49 M
Chromium, Hexavalent	<0.6 mg/kg	TM151		<0.6 #	<0.6	<0.6 #	<0.6 #	<0.6 #
Antimony (diss.filt) NRA leach	<1 µg/l	TM152				<1		3.06
Arsenic (diss.filt) NRA leach	<0.5 µg/l	TM152				4.08		13.1
Barium (diss.filt) NRA leach	<0.2 µg/l	TM152				16.5		24.4
Cadmium (diss.filt) NRA leach	<0.08 µg/l	TM152				<0.08		<0.08
Chromium (diss.filt) NRA leach	<1 µg/l	TM152				1.3		<1
Copper (diss.filt) NRA leach	<0.3 µg/l	TM152				2.1		1.37
Lead (diss.filt) NRA leach	<0.2 µg/l	TM152				2.96		<0.2
Molybdenum (diss.filt) NRA leach	<3 µg/l	TM152				<3		5.46
Nickel (diss.filt) NRA leach	<0.4 µg/l	TM152				1.06		0.962
Selenium (diss.filt) NRA leach	<1 µg/l	TM152				<1		3.36
Zinc (diss.filt) NRA leach	<1 µg/l	TM152				4.73		<1
Cyanide, Free	<1 mg/kg	TM153		<1 M	<1	<1 #	<1 #	<1 M
PCB congener 28	<3 µg/kg	TM168				<3 #		<3 M
PCB congener 52	<3 µg/kg	TM168				<3 #		<3 M
PCB congener 101	<3 µg/kg	TM168				<3 #		<3 M
PCB congener 118	<3 µg/kg	TM168				<3 #		<3 M
PCB congener 138	<3 µg/kg	TM168				<3 #		<3 M
PCB congener 153	<3 µg/kg	TM168				<3 #		<3 M
PCB congener 180	<3 µg/kg	TM168				<3 #		<3 M
Sum of detected PCB 7 Congeners	<21 µg/kg	TM168				<21		<21
Chromium, Trivalent	<0.9 mg/kg	TM181		33.7	10.8	24.4	17.8	1.35
Arsenic	<0.6 mg/kg	TM181		11.1 M	10.6	8.26 #	7.23 #	18.1 M
Barium	<0.6 mg/kg	TM181		177 #	267	265 #	234 #	165 #
Beryllium	<0.01 mg/kg	TM181		0.608 M	0.569	1.51 #	0.599 #	0.546 M
Cadmium	<0.02 mg/kg	TM181		0.171 M	0.491	0.201 #	0.451 #	0.15 M
Chromium	<0.9 mg/kg	TM181		33.7 M	10.8	24.4 #	17.8 #	1.35 M
Copper	<1.4 mg/kg	TM181		26.3 M	30.7	13.8 #	15.8 #	24.6 M
Lead	<0.7 mg/kg	TM181		11.2 M	22	46.7 #	29.1 #	10.5 M

Validated

CERTIFICATE OF ANALYSIS

SDG:	201124-23	**Client Reference:**	Pyle CRC	**Report Number:**	578614
Location:	Pyle, Bridgend	**Order Number:**	P20241_1	**Superseded Report:**	577924

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+§@	Sample deviation (see appendix)

Customer Sample Ref.			Sump water	TP3A ES1	TP1 ES1	TP1 ES2	TP2 ES1	TP3 ES1
Depth (m)			0.00 - 0.00	0.30 - 0.30	0.20 - 0.20	1.70 - 1.70	0.10 - 0.10	0.30 - 0.30
Sample Type			Ground Water (GW)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Date Sampled			23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020
Sample Time			.	.	.	.	.	.
Date Received			21/11/2020	21/11/2020	21/11/2020	21/11/2020	21/11/2020	21/11/2020
SDG Ref			201124-23	201124-23	201124-23	201124-23	201124-23	201124-23
Lab Sample No.(s)			23299356	23299388	23299258	23299397	23299370	23299379
AGS Reference								
Component	**LOD/Units**	**Method**						
Mercury	<0.14 mg/kg	TM181		<0.14 M	<0.14	<0.14 #	<0.14 #	<0.14 M
Nickel	<0.2 mg/kg	TM181		19.5 M	14.4	53.4 #	10 #	17.4 M
Selenium	<1 mg/kg	TM181		1.67 #	<1	<1 #	<1 #	<1 #
Vanadium	<0.2 mg/kg	TM181		46.7 #	20.2	35.6 #	17.4 #	23.7 #
Zinc	<1.9 mg/kg	TM181		26.8 M	61.5	246 #	70 #	133 M
ANC @ pH 4	<0.03 mol/kg	TM182				0.0534		0.0486
ANC @ pH 6	<0.03 mol/kg	TM182				<0.03		<0.03
Mercury (diss.filt) NRA leach	<0.01 µg/l	TM183				<0.01		<0.01
Sulphate NRA leach	<2 mg/l	TM184				<2		6.3
Chloride NRA leach	<2 mg/l	TM184				<2		2
Boron, water soluble	<1 mg/kg	TM222		<1 M	1.06	<1 #	1.26 #	<1 M
Water Soluble Sulphate as SO4 2:1 Extract	<0.004 g/l	TM243		0.0742 M	0.155	0.0217 #	0.0763 #	0.0721 M
Phenols, Total Detected monohydric NRA leach	<0.016 mg/l	TM259				<0.016		<0.016
Asbestos Quantification - Gravimetric - %	<0.001 %	TM304					<0.001 #	
Asbestos Quantification - PCOM Evaluation - %	<0.001 %	TM304					<0.001 #	
Additional Asbestos Components (Using TM048)		TM304					None #	
Analysts Comments		TM304					0	
Asbestos Quantification - Total - %	<0.001 %	TM304					<0.001 #	
PAH Total 17 (inc Coronene) Moisture Corrected	<10 mg/kg	TM410				<10		<10
Coronene	<200 µg/kg	TM410				<200		<200
EPH Surrogate % recovery**	%	TM415				89.2		117
Mineral Oil >C10-C40	<5 mg/kg	TM415				<5		<5

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Validated

CERTIFICATE OF ANALYSIS

SDG:	201124-23	**Client Reference:**	Pyle CRC	**Report Number:**	578614
Location:	Pyle, Bridgend	**Order Number:**	P20241_1	**Superseded Report:**	577924

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+§@	Sample deviation (see appendix)

Customer Sample Ref.			TP4 ES1	TP4 ES2	TP5 ES1	TP6 ES1	TP7 ES1	TP7 ES2
Depth (m)			0.50 - 0.50	1.70 - 1.70	0.40 - 0.40	0.40 - 0.40	0.50 - 0.50	1.80 - 1.80
Sample Type			Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Date Sampled			23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020
Sample Time			.	.	.	.	.	.
Date Received			21/11/2020	21/11/2020	21/11/2020	21/11/2020	21/11/2020	21/11/2020
SDG Ref			201124-23	201124-23	201124-23	201124-23	201124-23	201124-23
Lab Sample No.(s)			23299267	23299277	23299418	23299424	23299288	23299298
AGS Reference								
Component	**LOD/Units**	**Method**						
Moisture Content Ratio (% of as received sample)	%	PM024	33	15	24	9.2	28	10
Loss on ignition	<0.7 %	TM018	15.1 M				8.58 M	2.52 M
Phenol	<0.01 mg/kg	TM062 (S)	<0.01 M	<0.01 M	<0.01 M	<0.01 M	<0.01 M	<0.01 M
Carbon, Organic (diss.filt) NRA leach	<3 mg/l	TM090	4.75				5.47	5.29
Fluoride NRA leach	<0.5 mg/l	TM104	<0.5				<0.5	<0.5
Dissolved solids, Total (meter) NRA leach	<5 mg/l	TM123	66.6				139	23.1
Organic Carbon, Total	<0.2 %	TM132	25 M				18.5 M	0.561 M
Fraction Organic Carbon (FOC)	<0.002	TM132	0.25 #	0.00381 #	0.134 #	0.00233 #	0.185 #	0.00561 #
pH	1 pH Units	TM133	8.32 M	6.83 M	8.92 M	8.71 M	8.49 M	6.7 M
Chromium, Hexavalent	<0.6 mg/kg	TM151	<0.6 #	<0.6 #	<0.6 #	<0.6 #	<0.6 #	<0.6 #
Antimony (diss.filt) NRA leach	<1 µg/l	TM152	32.3				3.84	<1
Arsenic (diss.filt) NRA leach	<0.5 µg/l	TM152	33.7				5.06	0.758
Barium (diss.filt) NRA leach	<0.2 µg/l	TM152	31.7				55.1	18.5
Cadmium (diss.filt) NRA leach	<0.08 µg/l	TM152	<0.08				<0.08	<0.08
Chromium (diss.filt) NRA leach	<1 µg/l	TM152	<1				<1	<1
Copper (diss.filt) NRA leach	<0.3 µg/l	TM152	1.88				1.66	<0.3
Lead (diss.filt) NRA leach	<0.2 µg/l	TM152	0.764				<0.2	<0.2
Molybdenum (diss.filt) NRA leach	<3 µg/l	TM152	7.79				7.88	<3
Nickel (diss.filt) NRA leach	<0.4 µg/l	TM152	0.829				0.507	<0.4
Selenium (diss.filt) NRA leach	<1 µg/l	TM152	16				<1	<1
Zinc (diss.filt) NRA leach	<1 µg/l	TM152	2.81				<1	94.8
Cyanide, Free	<1 mg/kg	TM153	<1 M	<1 M	<1 M	<1 M	<1 M	<1 M
PCB congener 28	<3 µg/kg	TM168	<3 M				<15 M	<3 M
PCB congener 52	<3 µg/kg	TM168	<3 M				<15 M	<3 M
PCB congener 101	<3 µg/kg	TM168	<3 M				<15 M	<3 M
PCB congener 118	<3 µg/kg	TM168	<3 M				<15 M	<3 M
PCB congener 138	<3 µg/kg	TM168	<3 M				<15 M	<3 M
PCB congener 153	<3 µg/kg	TM168	<3 M				<15 M	<3 M
PCB congener 180	<3 µg/kg	TM168	<3 M				<15 M	<3 M
Sum of detected PCB 7 Congeners	<21 µg/kg	TM168	<21				<105	<21
Chromium, Trivalent	<0.9 mg/kg	TM181	12.5	20.1	5.83	10.9	11.5	3.17
Arsenic	<0.6 mg/kg	TM181	23.8 M	2.99 M	7.84 M	17.2 M	16 M	8.51 M
Barium	<0.6 mg/kg	TM181	321 #	118 #	89 #	51 #	254 #	124 #

Validated

CERTIFICATE OF ANALYSIS

SDG:	201124-23	**Client Reference:**	Pyle CRC	**Report Number:**	578614
Location:	Pyle, Bridgend	**Order Number:**	P20241_1	**Superseded Report:**	577924

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+§@	Sample deviation (see appendix)

Customer Sample Ref.			TP4 ES1	TP4 ES2	TP5 ES1	TP6 ES1	TP7 ES1	TP7 ES2
Depth (m)			0.50 - 0.50	1.70 - 1.70	0.40 - 0.40	0.40 - 0.40	0.50 - 0.50	1.80 - 1.80
Sample Type			Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Date Sampled			23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020
Sample Time			.	.	.	.	.	.
Date Received			21/11/2020	21/11/2020	21/11/2020	21/11/2020	21/11/2020	21/11/2020
SDG Ref			201124-23	201124-23	201124-23	201124-23	201124-23	201124-23
Lab Sample No.(s)			23299267	23299277	23299418	23299424	23299288	23299298
AGS Reference								
Component	**LOD/Units**	**Method**						
Beryllium	<0.01 mg/kg	TM181	1.05 M	0.474 M	0.323 M	0.325 M	0.752 M	0.734 M
Cadmium	<0.02 mg/kg	TM181	0.183 M	0.135 M	0.312 M	0.488 M	0.296 M	0.36 M
Chromium	<0.9 mg/kg	TM181	12.5 M	20.1 M	5.83 M	10.9 M	11.5 M	3.17 M
Copper	<1.4 mg/kg	TM181	35.6 M	11.5 M	8.52 M	14.3 M	27.6 M	14.8 M
Lead	<0.7 mg/kg	TM181	21.1 M	30 M	2.88 M	25.4 M	18.5 M	21.4 M
Mercury	<0.14 mg/kg	TM181	0.292 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M
Nickel	<0.2 mg/kg	TM181	25.1 M	22.6 M	5.32 M	17.3 M	18.9 M	31.4 M
Selenium	<1 mg/kg	TM181	2.7 #	<1 #	<1 #	<1 #	1.03 #	<1 #
Vanadium	<0.2 mg/kg	TM181	42.3 #	26.4 #	9.41 #	11.7 #	25.7 #	15.5 #
Zinc	<1.9 mg/kg	TM181	23.7 M	69.3 M	9.09 M	205 M	64.4 M	95.2 M
ANC @ pH 4	<0.03 mol/kg	TM182	0.138				0.232	<0.03
ANC @ pH 6	<0.03 mol/kg	TM182	0.0489				0.0628	<0.03
Mercury (diss.filt) NRA leach	<0.01 µg/l	TM183	<0.01				<0.01	<0.01
Sulphate NRA leach	<2 mg/l	TM184	3.8				17.5	4.4
Chloride NRA leach	<2 mg/l	TM184	<2				<2	<2
Boron, water soluble	<1 mg/kg	TM222	<1 M	1.11 M	<1 M	<1 M	<1 M	<1 M
Water Soluble Sulphate as SO4 2:1 Extract	<0.004 g/l	TM243	0.0395 M	0.0056 M	0.0293 M	0.0183 M	0.0839 M	0.01 M
Phenols, Total Detected monohydric NRA leach	<0.016 mg/l	TM259	<0.016				<0.016	<0.016
PAH Total 17 (inc Coronene) Moisture Corrected	<10 mg/kg	TM410	<10				<10	<10
Coronene	<200 µg/kg	TM410	<200				519	<200
EPH Surrogate % recovery**	%	TM415	92				102	120
Mineral Oil >C10-C40	<5 mg/kg	TM415	18				14.8	<5

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CERTIFICATE OF ANALYSIS

SDG:	201124-23	**Client Reference:**	Pyle CRC	**Report Number:**	578614
Location:	Pyle, Bridgend	**Order Number:**	P20241_1	**Superseded Report:**	577924

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+§@	Sample deviation (see appendix)

Customer Sample Ref.			TP8 ES1	TP8 ES2	TP9 ES1	TP9 ES2	TP9 ES3	TP5 WATER
Depth (m)			0.50 - 0.50	1.30 - 1.30	0.20 - 0.20	0.80 - 0.80	2.00 - 2.00	0.00 - 0.00
Sample Type			Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Ground Water (GW)
Date Sampled			23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020
Sample Time			.	.	.	.	.	.
Date Received			21/11/2020	21/11/2020	21/11/2020	21/11/2020	21/11/2020	21/11/2020
SDG Ref			201124-23	201124-23	201124-23	201124-23	201124-23	201124-23
Lab Sample No.(s)			23299406	23299413	23299308	23299321	23299331	23299342
AGS Reference								
Component	**LOD/Units**	**Method**						
Alkalinity, Total as CaCO3	<2 mg/l	TM043						140 #
Carbon, Organic (diss.filt)	<3 mg/l	TM090						6.25
Ammoniacal Nitrogen as NH3	<0.2 mg/l	TM099						<0.2 #
Ammoniacal Nitrogen as NH4	<0.3 mg/l	TM099						<0.3 #
Antimony (diss.filt)	<1 µg/l	TM152						4.01 #
Arsenic (diss.filt)	<0.5 µg/l	TM152						18.1 #
Barium (diss.filt)	<0.2 µg/l	TM152						62 #
Beryllium (diss.filt)	<0.1 µg/l	TM152						0.116 #
Boron (diss.filt)	<10 µg/l	TM152						151 #
Cadmium (diss.filt)	<0.08 µg/l	TM152						0.103 #
Chromium (diss.filt)	<1 µg/l	TM152						12.4 #
Copper (diss.filt)	<0.3 µg/l	TM152						5.45 #
Lead (diss.filt)	<0.2 µg/l	TM152						6.04 #
Molybdenum (diss.filt)	<3 µg/l	TM152						22.1 #
Nickel (diss.filt)	<0.4 µg/l	TM152						2.08 #
Selenium (diss.filt)	<1 µg/l	TM152						4.81 #
Zinc (diss.filt)	<1 µg/l	TM152						12.4 #
Mercury (diss.filt)	<0.01 µg/l	TM183						0.0279 #
Nitrite as NO2	<0.05 mg/l	TM184						0.069 #
Sulphate	<2 mg/l	TM184						122 #
Chloride	<2 mg/l	TM184						31.6 #
Nitrate as NO3	<0.3 mg/l	TM184						1.96
Cyanide, Total	<0.05 mg/l	TM227						<0.05 #
Phenol (low level)	<0.5 µg/l	TM255						<0.5
Cresols (low level)	<0.5 µg/l	TM255						<0.5
Xylenols (low level)	<0.5 µg/l	TM255						<0.5
Sum of Detected Monohydric Phenols	<0.5 µg/l	TM255						<0.5
pH	<1 pH Units	TM256						9.42 #
Moisture Content Ratio (% of as received sample)	%	PM024	31	14	23	18	12	
Loss on ignition	<0.7 %	TM018	17.4 M			30.3 M	2.24 M	
Phenol	<0.01 mg/kg	TM062 (S)	<0.01 M	<0.01 M	<0.01 M	<0.01 M	<0.01 M	
Carbon, Organic (diss.filt) NRA leach	<3 mg/l	TM090	<3			6.56	4.72	
Fluoride NRA leach	<0.5 mg/l	TM104	0.617			<0.5	<0.5	

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CERTIFICATE OF ANALYSIS

SDG:	201124-23	**Client Reference:**	Pyle CRC	**Report Number:**	578614
Location:	Pyle, Bridgend	**Order Number:**	P20241_1	**Superseded Report:**	577924

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+§@	Sample deviation (see appendix)

Customer Sample Ref.			TP8 ES1	TP8 ES2	TP9 ES1	TP9 ES2	TP9 ES3	TP5 WATER
Depth (m)			0.50 - 0.50	1.30 - 1.30	0.20 - 0.20	0.80 - 0.80	2.00 - 2.00	0.00 - 0.00
Sample Type			Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Ground Water (GW)
Date Sampled			23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020
Sample Time			.	.	.	.	.	.
Date Received			21/11/2020	21/11/2020	21/11/2020	21/11/2020	21/11/2020	21/11/2020
SDG Ref			201124-23	201124-23	201124-23	201124-23	201124-23	201124-23
Lab Sample No.(s)			23299406	23299413	23299308	23299321	23299331	23299342
AGS Reference								
Component	**LOD/Units**	**Method**						
Dissolved solids, Total (meter) NRA leach	<5 mg/l	TM123	59.3			109	35.9	
Organic Carbon, Total	<0.2 %	TM132	31.8 M			16.6 M	<0.2 M	
Fraction Organic Carbon (FOC)	<0.002	TM132	0.318 #	0.00244 #	0.00248 #	0.166 #	<0.002 #	
pH	1 pH Units	TM133	8.21 M	5.84 M	10.3 M	8.01 M	7.45 M	
Chromium, Hexavalent	<0.6 mg/kg	TM151	<0.6 #	<0.6 #	<0.6 #	<0.6 #	<0.6 #	
Antimony (diss.filt) NRA leach	<1 µg/l	TM152	2.27			8.74	1.37	
Arsenic (diss.filt) NRA leach	<0.5 µg/l	TM152	8.22			12.8	2.63	
Barium (diss.filt) NRA leach	<0.2 µg/l	TM152	49.9			48.3	1260	
Cadmium (diss.filt) NRA leach	<0.08 µg/l	TM152	<0.08			<0.08	0.0857	
Chromium (diss.filt) NRA leach	<1 µg/l	TM152	1.68			<1	5.45	
Copper (diss.filt) NRA leach	<0.3 µg/l	TM152	0.767			<0.3	8.9	
Lead (diss.filt) NRA leach	<0.2 µg/l	TM152	0.226			<0.2	19.5	
Molybdenum (diss.filt) NRA leach	<3 µg/l	TM152	8.62			13	<3	
Nickel (diss.filt) NRA leach	<0.4 µg/l	TM152	0.492			0.825	2.5	
Selenium (diss.filt) NRA leach	<1 µg/l	TM152	5.99			7.62	2.37	
Zinc (diss.filt) NRA leach	<1 µg/l	TM152	2.28			50.8	281	
Cyanide, Free	<1 mg/kg	TM153	<1 M	<1 M	<1 M	<1 M	<1 M	
PCB congener 28	<3 µg/kg	TM168	<3 M			<3 M	<3 M	
PCB congener 52	<3 µg/kg	TM168	<3 M			<3 M	<3 M	
PCB congener 101	<3 µg/kg	TM168	<3 M			<3 M	<3 M	
PCB congener 118	<3 µg/kg	TM168	<3 M			<3 M	<3 M	
PCB congener 138	<3 µg/kg	TM168	<3 M			<3 M	<3 M	
PCB congener 153	<3 µg/kg	TM168	<3 M			<3 M	<3 M	
PCB congener 180	<3 µg/kg	TM168	<3 M			<3 M	<3 M	
Sum of detected PCB 7 Congeners	<21 µg/kg	TM168	<21			<21	<21	
Chromium, Trivalent	<0.9 mg/kg	TM181	11.6	16.2	10.6	5.02	11.5	
Arsenic	<0.6 mg/kg	TM181	28.8 M	8.4 M	10.3 M	14.1 M	3.37 M	
Barium	<0.6 mg/kg	TM181	350 #	96 #	171 #	158 #	62 #	
Beryllium	<0.01 mg/kg	TM181	1.05 M	0.683 M	0.347 M	0.569 M	0.685 M	
Cadmium	<0.02 mg/kg	TM181	0.155 M	0.318 M	0.275 M	0.167 M	0.128 M	
Chromium	<0.9 mg/kg	TM181	11.6 M	16.2 M	10.6 M	5.02 M	11.5 M	
Copper	<1.4 mg/kg	TM181	34.8 M	15.7 M	6.94 M	24.2 M	13.1 M	
Lead	<0.7 mg/kg	TM181	19.4 M	39.4 M	9.75 M	11.5 M	50.5 M	

Validated

CERTIFICATE OF ANALYSIS

SDG:	201124-23	**Client Reference:**	Pyle CRC	**Report Number:**	578614
Location:	Pyle, Bridgend	**Order Number:**	P20241_1	**Superseded Report:**	577924

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+§@	Sample deviation (see appendix)

Customer Sample Ref.			TP8 ES1	TP8 ES2	TP9 ES1	TP9 ES2	TP9 ES3	TP5 WATER
Depth (m)			0.50 - 0.50	1.30 - 1.30	0.20 - 0.20	0.80 - 0.80	2.00 - 2.00	0.00 - 0.00
Sample Type			Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Ground Water (GW)
Date Sampled			23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020
Sample Time			.	.	.	.	.	.
Date Received			21/11/2020	21/11/2020	21/11/2020	21/11/2020	21/11/2020	21/11/2020
SDG Ref			201124-23	201124-23	201124-23	201124-23	201124-23	201124-23
Lab Sample No.(s)			23299406	23299413	23299308	23299321	23299331	23299342
AGS Reference								
Component	**LOD/Units**	**Method**						
Mercury	<0.14 mg/kg	TM181	0.428 M	<0.14 M	<0.14 M	<0.14 M	<0.14 M	
Nickel	<0.2 mg/kg	TM181	25.1 M	25.4 M	11 M	19.9 M	23.4 M	
Selenium	<1 mg/kg	TM181	2.05 #	<1 #	<1 #	<1 #	<1 #	
Vanadium	<0.2 mg/kg	TM181	36.4 #	24 #	26.6 #	22.2 #	21.4 #	
Zinc	<1.9 mg/kg	TM181	27.6 M	79 M	35.7 M	26.9 M	66.4 M	
ANC @ pH 4	<0.03 mol/kg	TM182	0.0528			0.0811	0.0301	
ANC @ pH 6	<0.03 mol/kg	TM182	<0.03			0.0323	<0.03	
Mercury (diss.filt) NRA leach	<0.01 µg/l	TM183	<0.01			<0.01	<0.01	
Sulphate NRA leach	<2 mg/l	TM184	<2			22.8	<2	
Chloride NRA leach	<2 mg/l	TM184	<2			<2	2.5	
Boron, water soluble	<1 mg/kg	TM222	<1 M	<1 M	<1 M	<1 M	<1 M	
Water Soluble Sulphate as SO4 2:1 Extract	<0.004 g/l	TM243	0.0137 M	0.0406 M	0.103 M	0.164 M	0.0067 M	
Phenols, Total Detected monohydric NRA leach	<0.016 mg/l	TM259	<0.016			<0.016	<0.016	
PAH Total 17 (inc Coronene) Moisture Corrected	<10 mg/kg	TM410	<10			<10	<10	
Coronene	<200 µg/kg	TM410	<200			<200	<200	
EPH Surrogate % recovery**	%	TM415	90			110	110	
Mineral Oil >C10-C40	<5 mg/kg	TM415	<5			<5	<5	

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CERTIFICATE OF ANALYSIS

SDG:	201124-23	**Client Reference:**	Pyle CRC	**Report Number:**	578614
Location:	Pyle, Bridgend	**Order Number:**	P20241_1	**Superseded Report:**	577924

PAH by GCMS

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+§@	Sample deviation (see appendix)

Customer Sample Ref.			TP3A ES1	TP1 ES1	TP1 ES2	TP2 ES1	TP3 ES1	TP4 ES1
Depth (m)			0.30 - 0.30	0.20 - 0.20	1.70 - 1.70	0.10 - 0.10	0.30 - 0.30	0.50 - 0.50
Sample Type			Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Date Sampled			23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020
Sample Time			.	.	.	.	.	.
Date Received			21/11/2020	21/11/2020	21/11/2020	21/11/2020	21/11/2020	21/11/2020
SDG Ref			201124-23	201124-23	201124-23	201124-23	201124-23	201124-23
Lab Sample No.(s)			23299388	23299258	23299397	23299370	23299379	23299267
AGS Reference								
Component	**LOD/Units**	**Method**						
Naphthalene-d8 % recovery**	%	TM218	63	87	91.1	88.5	61.4	22.7
Acenaphthene-d10 % recovery**	%	TM218	58	85.1	92.5	92.8	61.2	17.8
Phenanthrene-d10 % recovery**	%	TM218	32.1	80.4	94.1	93.5	38.7	0
Chrysene-d12 % recovery**	%	TM218	15.1	62.6	88.8	82.1	21.9	0.08
Perylene-d12 % recovery**	%	TM218	10.5	51.4	89.9	77.7	17.3	0.08
Naphthalene	<9 µg/kg	TM218	<9 M	<45 #	<9 #	<45 #	<9 M	<9 M
Acenaphthylene	<12 µg/kg	TM218	<12 M	<60 #	<12 #	<60 #	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218	<8 M	<40 #	<8 #	<40 #	<8 M	<8 M
Fluorene	<10 µg/kg	TM218	17.5 M	<50 #	<10 #	<50 #	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218	97.9 M	<75 #	<15 #	171 #	25.5 M	<15 M
Anthracene	<16 µg/kg	TM218	29 M	<80 #	<16 #	<80 #	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218	127 M	98.8 #	<17 #	354 #	41.2 M	<17 M
Pyrene	<15 µg/kg	TM218	91.2 M	<75 #	<15 #	280 #	33 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218	49.3 M	<70 #	<14 #	184 #	22.3 M	<14 M
Chrysene	<10 µg/kg	TM218	36.3 M	72.3 #	<10 #	177 #	19.3 M	<10 M
Benzo(b)fluoranthene	<15 µg/kg	TM218	41.4 M	102 #	<15 #	246 #	24.9 M	<15 M
Benzo(k)fluoranthene	<14 µg/kg	TM218	<14 M	<70 #	<14 #	83.3 #	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218	30.9 M	92 #	<15 M	154 #	21.3 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218	<18 M	101 #	<18 M	145 #	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218	<23 M	<115 #	<23 M	<115 #	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218	<24 M	<120 #	<24 M	<120 #	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218	520	<590	<118	1790	187	<118

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Validated

CERTIFICATE OF ANALYSIS

SDG:	201124-23	**Client Reference:**	Pyle CRC	**Report Number:**	578614
Location:	Pyle, Bridgend	**Order Number:**	P20241_1	**Superseded Report:**	577924

PAH by GCMS

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+$@	Sample deviation (see appendix)

Customer Sample Ref.			TP4 ES2	TP5 ES1	TP6 ES1	TP7 ES1	TP7 ES2	TP8 ES1
Depth (m)			1.70 - 1.70	0.40 - 0.40	0.40 - 0.40	0.50 - 0.50	1.80 - 1.80	0.50 - 0.50
Sample Type			Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Date Sampled			23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020
Sample Time			.	.	.	.	.	.
Date Received			21/11/2020	21/11/2020	21/11/2020	21/11/2020	21/11/2020	21/11/2020
SDG Ref			201124-23	201124-23	201124-23	201124-23	201124-23	201124-23
Lab Sample No.(s)			23299277	23299418	23299424	23299288	23299298	23299406
AGS Reference								
Component	**LOD/Units**	**Method**						
Naphthalene-d8 % recovery**	%	TM218	95.1	25.1	91.4	62.7	90.9	37
Acenaphthene-d10 % recovery**	%	TM218	95.4	22.2	93.4	59.7	91.9	33.3
Phenanthrene-d10 % recovery**	%	TM218	98.1	6.14	97.9	33.7	93.4	10.6
Chrysene-d12 % recovery**	%	TM218	96.3	0.46	105	12.9	87.9	1.47
Perylene-d12 % recovery**	%	TM218	92.1	0.17	98.5	7.43	83.7	0
Naphthalene	<9 µg/kg	TM218	<9 M	<9 M	<9 M	<9 M	<9 M	<9 M
Acenaphthylene	<12 µg/kg	TM218	<12 M	<12 M	<12 M	<12 M	<12 M	<12 M
Acenaphthene	<8 µg/kg	TM218	<8 M	<8 M	<8 M	<8 M	<8 M	<8 M
Fluorene	<10 µg/kg	TM218	<10 M	<10 M	<10 M	<10 M	<10 M	<10 M
Phenanthrene	<15 µg/kg	TM218	<15 M	<15 M	<15 M	<15 M	<15 M	<15 M
Anthracene	<16 µg/kg	TM218	<16 M	<16 M	<16 M	<16 M	<16 M	<16 M
Fluoranthene	<17 µg/kg	TM218	<17 M	<17 M	<17 M	33.7 M	<17 M	<17 M
Pyrene	<15 µg/kg	TM218	<15 M	<15 M	21.6 M	25.4 M	<15 M	<15 M
Benz(a)anthracene	<14 µg/kg	TM218	<14 M	<14 M	28.1 M	<14 M	<14 M	<14 M
Chrysene	<10 µg/kg	TM218	<10 M	<10 M	60.5 M	21.4 M	<10 M	<10 M
Benzo(b)fluoranthene	<15 µg/kg	TM218	<15 M	<15 M	233 M	34.6 M	<15 M	<15 M
Benzo(k)fluoranthene	<14 µg/kg	TM218	<14 M	<14 M	71.9 M	<14 M	<14 M	<14 M
Benzo(a)pyrene	<15 µg/kg	TM218	<15 M	<15 M	85.4 M	<15 M	<15 M	<15 M
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218	<18 M	<18 M	94.8 M	<18 M	<18 M	<18 M
Dibenzo(a,h)anthracene	<23 µg/kg	TM218	<23 M	<23 M	<23 M	<23 M	<23 M	<23 M
Benzo(g,h,i)perylene	<24 µg/kg	TM218	<24 M	<24 M	67.3 M	<24 M	<24 M	<24 M
PAH, Total Detected USEPA 16	<118 µg/kg	TM218	<118	<118	663	<118	<118	<118

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Validated

CERTIFICATE OF ANALYSIS

SDG:	201124-23	**Client Reference:**	Pyle CRC	**Report Number:**	578614
Location:	Pyle, Bridgend	**Order Number:**	P20241_1	**Superseded Report:**	577924

PAH by GCMS

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+$@	Sample deviation (see appendix)

Customer Sample Ref.			TP8 ES2	TP9 ES1	TP9 ES2	TP9 ES3		
Depth (m)			1.30 - 1.30	0.20 - 0.20	0.80 - 0.80	2.00 - 2.00		
Sample Type			Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)		
Date Sampled			23/11/2020	23/11/2020	23/11/2020	23/11/2020		
Sample Time			.	.	.	.		
Date Received			21/11/2020	21/11/2020	21/11/2020	21/11/2020		
SDG Ref			201124-23	201124-23	201124-23	201124-23		
Lab Sample No.(s)			23299413	23299308	23299321	23299331		
AGS Reference								
Component	**LOD/Units**	**Method**						
Naphthalene-d8 % recovery**	%	TM218	93.8	91.8	64.1	91.8		
Acenaphthene-d10 % recovery**	%	TM218	93.9	93.8	58.4	92.5		
Phenanthrene-d10 % recovery**	%	TM218	95.6	96.3	30.1	93.4		
Chrysene-d12 % recovery**	%	TM218	93.2	93.3	11.5	89.7		
Perylene-d12 % recovery**	%	TM218	89.4	86.3	7.17	90.7		
Naphthalene	<9 µg/kg	TM218	<9 M	<9 M	<9 M	<9 M		
Acenaphthylene	<12 µg/kg	TM218	<12 M	<12 M	<12 M	<12 M		
Acenaphthene	<8 µg/kg	TM218	<8 M	<8 M	<8 M	<8 M		
Fluorene	<10 µg/kg	TM218	<10 M	<10 M	<10 M	<10 M		
Phenanthrene	<15 µg/kg	TM218	<15 M	56.5 M	<15 M	<15 M		
Anthracene	<16 µg/kg	TM218	<16 M	<16 M	<16 M	<16 M		
Fluoranthene	<17 µg/kg	TM218	<17 M	130 M	<17 M	<17 M		
Pyrene	<15 µg/kg	TM218	<15 M	99 M	<15 M	<15 M		
Benz(a)anthracene	<14 µg/kg	TM218	<14 M	70.1 M	<14 M	<14 M		
Chrysene	<10 µg/kg	TM218	<10 M	64.7 M	<10 M	<10 M		
Benzo(b)fluoranthene	<15 µg/kg	TM218	<15 M	103 M	<15 M	<15 M		
Benzo(k)fluoranthene	<14 µg/kg	TM218	<14 M	28.9 M	<14 M	<14 M		
Benzo(a)pyrene	<15 µg/kg	TM218	<15 M	56.3 M	<15 M	<15 M		
Indeno(1,2,3-cd)pyrene	<18 µg/kg	TM218	<18 M	43.2 M	<18 M	<18 M		
Dibenzo(a,h)anthracene	<23 µg/kg	TM218	<23 M	<23 M	<23 M	<23 M		
Benzo(g,h,i)perylene	<24 µg/kg	TM218	<24 M	41.2 M	<24 M	<24 M		
PAH, Total Detected USEPA 16	<118 µg/kg	TM218	<118	693	<118	<118		

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CERTIFICATE OF ANALYSIS

SDG:	201124-23	**Client Reference:**	Pyle CRC	**Report Number:**	578614
Location:	Pyle, Bridgend	**Order Number:**	P20241_1	**Superseded Report:**	577924

PAH Spec MS - Aqueous (W)

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+§@	Sample deviation (see appendix)

Customer Sample Ref.			Sump water	TP5 WATER				
Depth (m)			0.00 - 0.00	0.00 - 0.00				
Sample Type			Ground Water (GW)	Ground Water (GW)				
Date Sampled			23/11/2020	23/11/2020				
Sample Time			.	.				
Date Received			21/11/2020	21/11/2020				
SDG Ref			201124-23	201124-23				
Lab Sample No.(s)			23299356	23299342				
AGS Reference								
Component	**LOD/Units**	**Method**						
Naphthalene (aq)	<0.01 µg/l	TM178	<0.01 #	<0.04 #				
Acenaphthene (aq)	<0.005 µg/l	TM178	<0.005 #	<0.02 #				
Acenaphthylene (aq)	<0.005 µg/l	TM178	<0.005 #	<0.02 #				
Fluoranthene (aq)	<0.005 µg/l	TM178	0.0349 #	0.0374 #				
Anthracene (aq)	<0.005 µg/l	TM178	<0.005 #	<0.02 #				
Phenanthrene (aq)	<0.005 µg/l	TM178	0.0139 #	<0.02 #				
Fluorene (aq)	<0.005 µg/l	TM178	<0.005 #	<0.02 #				
Chrysene (aq)	<0.005 µg/l	TM178	0.036 #	0.0365 #				
Pyrene (aq)	<0.005 µg/l	TM178	0.0454 #	0.0297 #				
Benzo(a)anthracene (aq)	<0.005 µg/l	TM178	0.0205 #	0.0319 #				
Benzo(b)fluoranthene (aq)	<0.005 µg/l	TM178	0.0541 #	0.0539 #				
Benzo(k)fluoranthene (aq)	<0.005 µg/l	TM178	0.0223 #	0.022 #				
Benzo(a)pyrene (aq)	<0.002 µg/l	TM178	0.0324 #	0.0304 #				
Dibenzo(a,h)anthracene (aq)	<0.005 µg/l	TM178	0.00861 #	<0.02 #				
Benzo(g,h,i)perylene (aq)	<0.005 µg/l	TM178	0.0338 #	0.0486 #				
Indeno(1,2,3-cd)pyrene (aq)	<0.005 µg/l	TM178	0.0303 #	0.0276 #				
PAH, Total Detected USEPA 16 (aq)	<0.082 µg/l	TM178	0.332 #	<0.328 #				

Validated

CERTIFICATE OF ANALYSIS

SDG:	201124-23	**Client Reference:**	Pyle CRC	**Report Number:**	578614
Location:	Pyle, Bridgend	**Order Number:**	P20241_1	**Superseded Report:**	577924

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+$@	Sample deviation (see appendix)

Customer Sample Ref.			TP3A ES1	TP1 ES1	TP1 ES2	TP2 ES1	TP3 ES1	TP4 ES1
Depth (m)			0.30 - 0.30	0.20 - 0.20	1.70 - 1.70	0.10 - 0.10	0.30 - 0.30	0.50 - 0.50
Sample Type			Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Date Sampled			23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020
Sample Time			.	.	.	.	.	.
Date Received			21/11/2020	21/11/2020	21/11/2020	21/11/2020	21/11/2020	21/11/2020
SDG Ref			201124-23	201124-23	201124-23	201124-23	201124-23	201124-23
Lab Sample No.(s)			23299388	23299258	23299397	23299370	23299379	23299267
AGS Reference								
Component	**LOD/Units**	**Method**						
GRO Surrogate % recovery**	%	TM089	25.8 4	87.3	120	105	18.6 4	1 4
Aliphatics >C5-C6	<10 µg/kg	TM089	<10 4	15.3	<10	61.2	<10 4	<10 4
Aliphatics >C6-C8	<10 µg/kg	TM089	<10 4	24.1	<10	41.5	<10 4	<10 4
Aliphatics >C8-C10	<10 µg/kg	TM089	<10 4	29.6	<10	66.7	<10 4	<10 4
Aliphatics >C10-C12	<1000 µg/kg	TM414	<1000	<1000	<1000	<1000	<1000	<1000
Aliphatics >C12-C16	<1000 µg/kg	TM414	<1000	4370	<1000	9400	<1000	1610
Aliphatics >C16-C21	<1000 µg/kg	TM414	1690	17200	<1000	14300	<1000	3730
Aliphatics >C21-C35	<1000 µg/kg	TM414	4590	6570	<1000	15900	<1000	16700
Aliphatics >C35-C44	<1000 µg/kg	TM414	1300	<1000	<1000	<1000	<1000	3750
Total Aliphatics >C10-C44	<5000 µg/kg	TM414	8300	28300	<5000	40200	<5000	25900
Total Aliphatics & Aromatics >C10-C44	<10000 µg/kg	TM414	22000	55300	<10000	76100	<10000	31500
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10 4	<10	<10	<10	<10 4	<10 4
Aromatics >EC7-EC8	<10 µg/kg	TM089	<10 4	<10	<10	<10	<10 4	<10 4
Aromatics >EC8-EC10	<10 µg/kg	TM089	<10 4	19.7	<10	44.8	<10 4	<10 4
Aromatics > EC10-EC12	<1000 µg/kg	TM414	<1000	<1000	<1000	<1000	<1000	<1000
Aromatics > EC12-EC16	<1000 µg/kg	TM414	<1000	<1000	<1000	4790	<1000	<1000
Aromatics > EC16-EC21	<1000 µg/kg	TM414	2980	6180	<1000	4440	<1000	<1000
Aromatics > EC21-EC35	<1000 µg/kg	TM414	8950	16100	<1000	19800	<1000	4440
Aromatics >EC35-EC44	<1000 µg/kg	TM414	1410	4620	<1000	6770	<1000	<1000
Aromatics > EC40-EC44	<1000 µg/kg	TM414	<1000	1500	<1000	1320	<1000	<1000
Total Aromatics > EC10-EC44	<5000 µg/kg	TM414	13700	27000	<5000	35800	<5000	5560
Total Aliphatics & Aromatics >C5-C44	<10000 µg/kg	TM414	22000	55400	<10000	76300	<10000	31500
Total Aliphatics >C5-C10	<50 µg/kg	TM089	<50 4	69	<50	169	<50 4	<50 4
Total Aromatics >EC5-EC10	<50 µg/kg	TM089	<50 4	<50	<50	<50	<50 4	<50 4
GRO >C5-C10	<20 µg/kg	TM089	<20 4	69	<20	169	<20 4	<20 4

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Validated

CERTIFICATE OF ANALYSIS

SDG:	201124-23	**Client Reference:**	Pyle CRC	**Report Number:**	578614
Location:	Pyle, Bridgend	**Order Number:**	P20241_1	**Superseded Report:**	577924

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+$@	Sample deviation (see appendix)

Customer Sample Ref.			TP4 ES2	TP5 ES1	TP6 ES1	TP7 ES1	TP7 ES2	TP8 ES1
Depth (m)			1.70 - 1.70	0.40 - 0.40	0.40 - 0.40	0.50 - 0.50	1.80 - 1.80	0.50 - 0.50
Sample Type			Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Date Sampled			23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020
Sample Time			.	.	.	.	.	.
Date Received			21/11/2020	21/11/2020	21/11/2020	21/11/2020	21/11/2020	21/11/2020
SDG Ref			201124-23	201124-23	201124-23	201124-23	201124-23	201124-23
Lab Sample No.(s)			23299277	23299418	23299424	23299288	23299298	23299406
AGS Reference								
Component	**LOD/Units**	**Method**						
GRO Surrogate % recovery**	%	TM089	122	11.2 4	95.2	11.6 4	89	4.5 4
Aliphatics >C5-C6	<10 µg/kg	TM089	<10	<10 4	<10	<10 4	<10	<10 4
Aliphatics >C6-C8	<10 µg/kg	TM089	<10	<10 4	<10	23.6 4	<10	<10 4
Aliphatics >C8-C10	<10 µg/kg	TM089	<10	<10 4	<10	25 4	<10	<10 4
Aliphatics >C10-C12	<1000 µg/kg	TM414	<1000	<1000	<1000	<1000	<1000	<1000
Aliphatics >C12-C16	<1000 µg/kg	TM414	<1000	2010	<1000	6170	<1000	<1000
Aliphatics >C16-C21	<1000 µg/kg	TM414	<1000	2400	<1000	8740	<1000	1060
Aliphatics >C21-C35	<1000 µg/kg	TM414	<1000	7310	<1000	13000	<1000	<1000
Aliphatics >C35-C44	<1000 µg/kg	TM414	<1000	2570	<1000	1040	<1000	<1000
Total Aliphatics >C10-C44	<5000 µg/kg	TM414	<5000	14600	<5000	29200	<5000	<5000
Total Aliphatics & Aromatics >C10-C44	<10000 µg/kg	TM414	<10000	16800	<10000	61500	<10000	<10000
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10	<10 4	<10	<10 4	<10	<10 4
Aromatics >EC7-EC8	<10 µg/kg	TM089	<10	<10 4	<10	<10 4	<10	<10 4
Aromatics >EC8-EC10	<10 µg/kg	TM089	<10	<10 4	<10	16.7 4	<10	<10 4
Aromatics > EC10-EC12	<1000 µg/kg	TM414	<1000	<1000	<1000	<1000	<1000	<1000
Aromatics > EC12-EC16	<1000 µg/kg	TM414	<1000	<1000	<1000	<1000	<1000	<1000
Aromatics > EC16-EC21	<1000 µg/kg	TM414	<1000	<1000	<1000	<1000	<1000	<1000
Aromatics > EC21-EC35	<1000 µg/kg	TM414	<1000	<1000	<1000	24600	<1000	<1000
Aromatics >EC35-EC44	<1000 µg/kg	TM414	<1000	<1000	<1000	7120	<1000	<1000
Aromatics > EC40-EC44	<1000 µg/kg	TM414	<1000	<1000	<1000	1490	<1000	<1000
Total Aromatics > EC10-EC44	<5000 µg/kg	TM414	<5000	<5000	<5000	32200	<5000	<5000
Total Aliphatics & Aromatics >C5-C44	<10000 µg/kg	TM414	<10000	14600	<10000	61600	<10000	<10000
Total Aliphatics >C5-C10	<50 µg/kg	TM089	<50	<50 4	<50	<50 4	<50	<50 4
Total Aromatics >EC5-EC10	<50 µg/kg	TM089	<50	<50 4	<50	<50 4	<50	<50 4
GRO >C5-C10	<20 µg/kg	TM089	<20	<20 4	<20	<20 4	<20	<20 4

Validated

CERTIFICATE OF ANALYSIS

SDG:	201124-23	**Client Reference:**	Pyle CRC	**Report Number:**	578614
Location:	Pyle, Bridgend	**Order Number:**	P20241_1	**Superseded Report:**	577924

TPH CWG (S)

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+$@	Sample deviation (see appendix)

Customer Sample Ref.			TP8 ES2	TP9 ES1	TP9 ES2	TP9 ES3		
Depth (m)			1.30 - 1.30	0.20 - 0.20	0.80 - 0.80	2.00 - 2.00		
Sample Type			Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)		
Date Sampled			23/11/2020	23/11/2020	23/11/2020	23/11/2020		
Sample Time			.	.	.	.		
Date Received			21/11/2020	21/11/2020	21/11/2020	21/11/2020		
SDG Ref			201124-23	201124-23	201124-23	201124-23		
Lab Sample No.(s)			23299413	23299308	23299321	23299331		
AGS Reference								
Component	**LOD/Units**	**Method**						
GRO Surrogate % recovery**	%	TM089	108	50.8 4	31.9 4	81.8		
Aliphatics >C5-C6	<10 µg/kg	TM089	<10	<10 4	<10 4	<10		
Aliphatics >C6-C8	<10 µg/kg	TM089	<10	<10 4	<10 4	10.2		
Aliphatics >C8-C10	<10 µg/kg	TM089	<10	<10 4	<10 4	20.3		
Aliphatics >C10-C12	<1000 µg/kg	TM414	<1000	<1000	<1000	<1000		
Aliphatics >C12-C16	<1000 µg/kg	TM414	<1000	<1000	<1000	<1000		
Aliphatics >C16-C21	<1000 µg/kg	TM414	<1000	<1000	<1000	<1000		
Aliphatics >C21-C35	<1000 µg/kg	TM414	<1000	7320	1890	<1000		
Aliphatics >C35-C44	<1000 µg/kg	TM414	<1000	<1000	<1000	<1000		
Total Aliphatics >C10-C44	<5000 µg/kg	TM414	<5000	8250	<5000	<5000		
Total Aliphatics & Aromatics >C10-C44	<10000 µg/kg	TM414	<10000	16300	<10000	<10000		
Aromatics >EC5-EC7	<10 µg/kg	TM089	<10	<10 4	<10 4	<10		
Aromatics >EC7-EC8	<10 µg/kg	TM089	<10	<10 4	<10 4	<10		
Aromatics >EC8-EC10	<10 µg/kg	TM089	<10	<10 4	<10 4	13.6		
Aromatics > EC10-EC12	<1000 µg/kg	TM414	<1000	<1000	<1000	<1000		
Aromatics > EC12-EC16	<1000 µg/kg	TM414	<1000	<1000	<1000	<1000		
Aromatics > EC16-EC21	<1000 µg/kg	TM414	<1000	<1000	<1000	<1000		
Aromatics > EC21-EC35	<1000 µg/kg	TM414	1390	6960	<1000	<1000		
Aromatics >EC35-EC44	<1000 µg/kg	TM414	<1000	<1000	<1000	<1000		
Aromatics > EC40-EC44	<1000 µg/kg	TM414	<1000	<1000	<1000	<1000		
Total Aromatics > EC10-EC44	<5000 µg/kg	TM414	<5000	8030	<5000	<5000		
Total Aliphatics & Aromatics >C5-C44	<10000 µg/kg	TM414	<10000	16300	<10000	<10000		
Total Aliphatics >C5-C10	<50 µg/kg	TM089	<50	<50 4	<50 4	<50		
Total Aromatics >EC5-EC10	<50 µg/kg	TM089	<50	<50 4	<50 4	<50		
GRO >C5-C10	<20 µg/kg	TM089	<20	<20 4	<20 4	<20		

Validated

CERTIFICATE OF ANALYSIS

SDG:	201124-23	**Client Reference:**	Pyle CRC	**Report Number:**	578614
Location:	Pyle, Bridgend	**Order Number:**	P20241_1	**Superseded Report:**	577924

TPH CWG (W)

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+§@	Sample deviation (see appendix)

Customer Sample Ref.			Sump water	TP5 WATER				
Depth (m)			0.00 - 0.00	0.00 - 0.00				
Sample Type			Ground Water (GW)	Ground Water (GW)				
Date Sampled			23/11/2020	23/11/2020				
Sample Time			.	.				
Date Received			21/11/2020	21/11/2020				
SDG Ref			201124-23	201124-23				
Lab Sample No.(s)			23299356	23299342				
AGS Reference								
Component	**LOD/Units**	**Method**						
GRO Surrogate % recovery**	%	TM245	125	129				
GRO >C5-C12	<50 µg/l	TM245	<50 #	<50 #				
Methyl tertiary butyl ether (MTBE)	<3 µg/l	TM245	<3 #	<3 #				
Benzene	<7 µg/l	TM245	<7 #	<7 #				
Toluene	<4 µg/l	TM245	<4 #	<4 #				
Ethylbenzene	<5 µg/l	TM245	<5 #	<5 #				
m,p-Xylene	<8 µg/l	TM245	<8 #	<8 #				
o-Xylene	<3 µg/l	TM245	<3 #	<3 #				
Sum of detected Xylenes	<11 µg/l	TM245	<11	<11				
Sum of detected BTEX	<28 µg/l	TM245	<28	<28				
Aliphatics >C5-C6	<10 µg/l	TM245	<10	<10				
Aliphatics >C6-C8	<10 µg/l	TM245	<10	<10				
Aliphatics >C8-C10	<10 µg/l	TM245	<10	<10				
Aliphatics >C10-C12	<10 µg/l	TM245	<10	<10				
Aliphatics >C12-C16 (aq)	<10 µg/l	TM174	24	<40				
Aliphatics >C16-C21 (aq)	<10 µg/l	TM174	148	<40				
Aliphatics >C21-C35 (aq)	<10 µg/l	TM174	98	<40				
Total Aliphatics >C12-C35 (aq)	<10 µg/l	TM174	270	<40				
Aromatics >EC5-EC7	<10 µg/l	TM245	<10	<10				
Aromatics >EC7-EC8	<10 µg/l	TM245	<10	<10				
Aromatics >EC8-EC10	<10 µg/l	TM245	<10	<10				
Aromatics >EC10-EC12	<10 µg/l	TM245	<10	<10				
Aromatics >EC12-EC16 (aq)	<10 µg/l	TM174	<10	<40				
Aromatics >EC16-EC21 (aq)	<10 µg/l	TM174	18	<40				
Aromatics >EC21-EC35 (aq)	<10 µg/l	TM174	11	<40				
Total Aromatics >EC12-EC35 (aq)	<10 µg/l	TM174	29	<40				
Total Aliphatics & Aromatics >C5-35 (aq)	<10 µg/l	TM174	299	<40				
Aliphatics >C16-C35 Aqueous	<10 µg/l	TM174	246	<40				

Validated

CERTIFICATE OF ANALYSIS

SDG:	201124-23	**Client Reference:**	Pyle CRC	**Report Number:**	578614
Location:	Pyle, Bridgend	**Order Number:**	P20241_1	**Superseded Report:**	577924

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+§@	Sample deviation (see appendix)

Customer Sample Ref.			TP3A ES1	TP1 ES1	TP1 ES2	TP2 ES1	TP3 ES1	TP4 ES1
Depth (m)			0.30 - 0.30	0.20 - 0.20	1.70 - 1.70	0.10 - 0.10	0.30 - 0.30	0.50 - 0.50
Sample Type			Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Date Sampled			23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020
Sample Time			.	.	.	.	.	.
Date Received			21/11/2020	21/11/2020	21/11/2020	21/11/2020	21/11/2020	21/11/2020
SDG Ref			201124-23	201124-23	201124-23	201124-23	201124-23	201124-23
Lab Sample No.(s)			23299388	23299258	23299397	23299370	23299379	23299267
AGS Reference								
Component	**LOD/Units**	**Method**						
Dibromofluoromethane**	%	TM116	107	73.8	103	97.1	137	110
Toluene-d8**	%	TM116	99.9	97.1	98.7	93.1	94.1	99.3
4-Bromofluorobenzene**	%	TM116	98.3	72.2	90.9	74.3	70.1	94.1
Methyl Tertiary Butyl Ether	<10 µg/kg	TM116	<2000 M	<10 #	<10 M	<10 M	<200 M	<2000 M
Benzene	<9 µg/kg	TM116	<1800 M	<9 #	<9 M	<9 M	<180 M	<1800 M
Toluene	<7 µg/kg	TM116	<1400 M	<7 #	<7 M	<7 M	<140 M	<1400 M
Ethylbenzene	<4 µg/kg	TM116	<800 M	<4 #	<4 M	<4 M	<80 M	<800 M
p/m-Xylene	<10 µg/kg	TM116	<2000 #	<10 #	<10 #	<10 #	<200 #	<2000 #
o-Xylene	<10 µg/kg	TM116	<2000 M	<10 #	<10 M	<10 M	<200 M	<2000 M
Sum of Detected Xylenes	<0.02 mg/kg	TM116	<4	<0.02	<0.02	<0.02	<0.4	<4
Sum of BTEX	<40 µg/kg	TM116	<8000	<40	<40	<40	<800	<8000

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Validated

CERTIFICATE OF ANALYSIS

SDG:	201124-23	**Client Reference:**	Pyle CRC	**Report Number:**	578614
Location:	Pyle, Bridgend	**Order Number:**	P20241_1	**Superseded Report:**	577924

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+§@	Sample deviation (see appendix)

Customer Sample Ref.			TP4 ES2	TP5 ES1	TP6 ES1	TP7 ES1	TP7 ES2	TP8 ES1
Depth (m)			1.70 - 1.70	0.40 - 0.40	0.40 - 0.40	0.50 - 0.50	1.80 - 1.80	0.50 - 0.50
Sample Type			Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Date Sampled			23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020
Sample Time			.	.	.	.	.	.
Date Received			21/11/2020	21/11/2020	21/11/2020	21/11/2020	21/11/2020	21/11/2020
SDG Ref			201124-23	201124-23	201124-23	201124-23	201124-23	201124-23
Lab Sample No.(s)			23299277	23299418	23299424	23299288	23299298	23299406
AGS Reference								
Component	**LOD/Units**	**Method**						
Dibromofluoromethane**	%	TM116	104	108	102	122	113	108
Toluene-d8**	%	TM116	98.8	98.4	96.6	96.2	90.1	100
4-Bromofluorobenzene**	%	TM116	92	92.2	87.4	80.8	72.2	96.5
Methyl Tertiary Butyl Ether	<10 µg/kg	TM116	<10 M	<2000 M	<10 M	<200 M	<10 M	<2000 M
Benzene	<9 µg/kg	TM116	<9 M	<1800 M	<9 M	<180 M	<9 M	<1800 M
Toluene	<7 µg/kg	TM116	<7 M	<1400 M	<7 M	<140 M	<7 M	<1400 M
Ethylbenzene	<4 µg/kg	TM116	<4 M	<800 M	<4 M	<80 M	<4 M	<800 M
p/m-Xylene	<10 µg/kg	TM116	<10 #	<2000 #	<10 #	<200 #	<10 #	<2000 #
o-Xylene	<10 µg/kg	TM116	<10 M	<2000 M	<10 M	<200 M	<10 M	<2000 M
Sum of Detected Xylenes	<0.02 mg/kg	TM116	<0.02	<4	<0.02	<0.4	<0.02	<4
Sum of BTEX	<40 µg/kg	TM116	<40	<8000	<40	<800	<40	<8000

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Validated

CERTIFICATE OF ANALYSIS

SDG:	201124-23	**Client Reference:**	Pyle CRC	**Report Number:**	578614
Location:	Pyle, Bridgend	**Order Number:**	P20241_1	**Superseded Report:**	577924

VOC MS (S)

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+§@	Sample deviation (see appendix)

Customer Sample Ref.			TP8 ES2	TP9 ES1	TP9 ES2	TP9 ES3		
Depth (m)			1.30 - 1.30	0.20 - 0.20	0.80 - 0.80	2.00 - 2.00		
Sample Type			Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)		
Date Sampled			23/11/2020	23/11/2020	23/11/2020	23/11/2020		
Sample Time			.	.	.	.		
Date Received			21/11/2020	21/11/2020	21/11/2020	21/11/2020		
SDG Ref			201124-23	201124-23	201124-23	201124-23		
Lab Sample No.(s)			23299413	23299308	23299321	23299331		
AGS Reference								
Component	**LOD/Units**	**Method**						
Dibromofluoromethane**	%	TM116	115	123	127	116		
Toluene-d8**	%	TM116	97.2	96.8	94.7	98.6		
4-Bromofluorobenzene**	%	TM116	90.9	71.2	79.7	94.1		
Methyl Tertiary Butyl Ether	<10 µg/kg	TM116	<10 M	<10 M	<200 M	<10 M		
Benzene	<9 µg/kg	TM116	<9 M	<9 M	<180 M	<9 M		
Toluene	<7 µg/kg	TM116	<7 M	<7 M	<140 M	<7 M		
Ethylbenzene	<4 µg/kg	TM116	<4 M	<4 M	<80 M	<4 M		
p/m-Xylene	<10 µg/kg	TM116	<10 #	<10 #	<200 #	<10 #		
o-Xylene	<10 µg/kg	TM116	<10 M	<10 M	<200 M	<10 M		
Sum of Detected Xylenes	<0.02 mg/kg	TM116	<0.02	<0.02	<0.4	<0.02		
Sum of BTEX	<40 µg/kg	TM116	<40	<40	<800	<40		

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Validated

CERTIFICATE OF ANALYSIS

SDG:	201124-23	**Client Reference:**	Pyle CRC	**Report Number:**	578614
Location:	Pyle, Bridgend	**Order Number:**	P20241_1	**Superseded Report:**	577924

VOC MS (W)

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+$@	Sample deviation (see appendix)

Customer Sample Ref.			Sump water	TP5 WATER				
Depth (m)			0.00 - 0.00	0.00 - 0.00				
Sample Type			Ground Water (GW)	Ground Water (GW)				
Date Sampled			23/11/2020	23/11/2020				
Sample Time			.	.				
Date Received			21/11/2020	21/11/2020				
SDG Ref			201124-23	201124-23				
Lab Sample No.(s)			23299356	23299342				
AGS Reference								
Component	**LOD/Units**	**Method**						
Dibromofluoromethane**	%	TM208	110	95.7				
Toluene-d8**	%	TM208	99.8	99.5				
4-Bromofluorobenzene**	%	TM208	99.8	97.7				
Dichlorodifluoromethane	<1 µg/l	TM208	<1 #	<1 #				
Chloromethane	<1 µg/l	TM208	<1 #	<1 #				
Vinyl chloride	<1 µg/l	TM208	<1 #	<1 #				
Bromomethane	<1 µg/l	TM208	<1 #	<1 #				
Chloroethane	<1 µg/l	TM208	<1 #	<1 #				
Trichlorofluoromethane	<1 µg/l	TM208	<1 #	<1 #				
1,1-Dichloroethene	<1 µg/l	TM208	<1 #	<1 #				
Carbon disulphide	<1 µg/l	TM208	<1 #	<1 #				
Dichloromethane	<3 µg/l	TM208	20.4 #	<3 #				
Methyl tertiary butyl ether (MTBE)	<1 µg/l	TM208	<1 #	<1 #				
trans-1,2-Dichloroethene	<1 µg/l	TM208	<1 #	<1 #				
1,1-Dichloroethane	<1 µg/l	TM208	<1 #	<1 #				
cis-1,2-Dichloroethene	<1 µg/l	TM208	<1 #	<1 #				
2,2-Dichloropropane	<1 µg/l	TM208	<1	<1				
Bromochloromethane	<1 µg/l	TM208	<1 #	<1 #				
Chloroform	<1 µg/l	TM208	<1 #	<1 #				
1,1,1-Trichloroethane	<1 µg/l	TM208	<1 #	<1 #				
1,1-Dichloropropene	<1 µg/l	TM208	<1 #	<1 #				
Carbontetrachloride	<1 µg/l	TM208	<1 #	<1 #				
1,2-Dichloroethane	<1 µg/l	TM208	<1 #	<1 #				
Benzene	<1 µg/l	TM208	<1 #	<1 #				
Trichloroethene	<1 µg/l	TM208	<1 #	<1 #				
1,2-Dichloropropane	<1 µg/l	TM208	<1 #	<1 #				
Dibromomethane	<1 µg/l	TM208	<1 #	<1 #				
Bromodichloromethane	<1 µg/l	TM208	<1 #	<1 #				
cis-1,3-Dichloropropene	<1 µg/l	TM208	<1 #	<1 #				
Toluene	<1 µg/l	TM208	<1 #	<1 #				
trans-1,3-Dichloropropene	<1 µg/l	TM208	<1 #	<1 #				
1,1,2-Trichloroethane	<1 µg/l	TM208	<1 #	<1 #				
1,3-Dichloropropane	<1 µg/l	TM208	<1 #	<1 #				

Validated

CERTIFICATE OF ANALYSIS

SDG:	201124-23	**Client Reference:**	Pyle CRC	**Report Number:**	578614
Location:	Pyle, Bridgend	**Order Number:**	P20241_1	**Superseded Report:**	577924

VOC MS (W)

Results Legend

#	ISO17025 accredited.
M	mCERTS accredited.
aq	Aqueous / settled sample.
diss.filt	Dissolved / filtered sample.
tot.unfilt	Total / unfiltered sample.
*	Subcontracted - refer to subcontractor report for accreditation status.
**	% recovery of the surrogate standard to check the efficiency of the method. The results of individual compounds within samples aren't corrected for the recovery
(F)	Trigger breach confirmed
1-4+§@	Sample deviation (see appendix)

Customer Sample Ref.			Sump water	TP5 WATER				
Depth (m)			0.00 - 0.00	0.00 - 0.00				
Sample Type			Ground Water (GW)	Ground Water (GW)				
Date Sampled			23/11/2020	23/11/2020				
Sample Time			.	.				
Date Received			21/11/2020	21/11/2020				
SDG Ref			201124-23	201124-23				
Lab Sample No.(s)			23299356	23299342				
AGS Reference								
Component	**LOD/Units**	**Method**						
Tetrachloroethene	<1 µg/l	TM208	<1 #	<1 #				
Dibromochloromethane	<1 µg/l	TM208	<1 #	<1 #				
1,2-Dibromoethane	<1 µg/l	TM208	<1 #	<1 #				
Chlorobenzene	<1 µg/l	TM208	<1 #	<1 #				
1,1,1,2-Tetrachloroethane	<1 µg/l	TM208	<1 #	<1 #				
Ethylbenzene	<1 µg/l	TM208	<1 #	<1 #				
m,p-Xylene	<1 µg/l	TM208	<1 #	<1 #				
o-Xylene	<1 µg/l	TM208	<1 #	<1 #				
Styrene	<1 µg/l	TM208	<1 #	<1 #				
Bromoform	<1 µg/l	TM208	<1 #	<1 #				
Isopropylbenzene	<1 µg/l	TM208	<1 #	<1 #				
1,1,2,2-Tetrachloroethane	<1 µg/l	TM208	<1 #	<1 #				
1,2,3-Trichloropropane	<1 µg/l	TM208	<1 #	<1 #				
Bromobenzene	<1 µg/l	TM208	<1 #	<1 #				
Propylbenzene	<1 µg/l	TM208	<1 #	<1 #				
2-Chlorotoluene	<1 µg/l	TM208	<1 #	<1 #				
1,3,5-Trimethylbenzene	<1 µg/l	TM208	<1 #	<1 #				
4-Chlorotoluene	<1 µg/l	TM208	<1 #	<1 #				
tert-Butylbenzene	<1 µg/l	TM208	<1 #	<1 #				
1,2,4-Trimethylbenzene	<1 µg/l	TM208	<1 #	<1 #				
sec-Butylbenzene	<1 µg/l	TM208	<1 #	<1 #				
4-iso-Propyltoluene	<1 µg/l	TM208	<1 #	<1 #				
1,3-Dichlorobenzene	<1 µg/l	TM208	<1 #	<1 #				
1,4-Dichlorobenzene	<1 µg/l	TM208	<1 #	<1 #				
n-Butylbenzene	<1 µg/l	TM208	<1 #	<1 #				
1,2-Dichlorobenzene	<1 µg/l	TM208	<1 #	<1 #				
1,2-Dibromo-3-chloropropane	<1 µg/l	TM208	<1	<1				
1,2,4-Trichlorobenzene	<1 µg/l	TM208	<1 #	<1 #				
Hexachlorobutadiene	<1 µg/l	TM208	<1 #	<1 #				
tert-Amyl methyl ether (TAME)	<1 µg/l	TM208	<1 #	<1 #				
Naphthalene	<1 µg/l	TM208	<1 #	<1 #				
1,2,3-Trichlorobenzene	<1 µg/l	TM208	<1 #	<1 #				
1,3,5-Trichlorobenzene	<1 µg/l	TM208	<1	<1				

CERTIFICATE OF ANALYSIS

SDG:	201124-23	**Client Reference:**	Pyle CRC	**Report Number:**	578614
Location:	Pyle, Bridgend	**Order Number:**	P20241_1	**Superseded Report:**	577924

Asbestos Identification - Solid Samples

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
*	Subcontracted test.
(F)	Trigger breach confirmed
1-5&+$@	Sample deviation (see appendix)

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP3A ES1 0.30 - 0.30 SOLID 23/11/2020 00:00:00 21/11/2020 09:00:00 201124-23 23299388 TM048	30/11/2020	Barbara Urbanek-Walsh	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP1 ES1 0.20 - 0.20 SOLID 23/11/2020 00:00:00 21/11/2020 09:00:00 201124-23 23299258 TM048	30/11/20	Andrzej Ferfecki	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP1 ES2 1.70 - 1.70 SOLID 23/11/2020 00:00:00 21/11/2020 09:00:00 201124-23 23299397 TM048	30/11/2020	Barbara Urbanek-Walsh	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP2 ES1 0.10 - 0.10 SOLID 23/11/2020 00:00:00 21/11/2020 09:00:00 201124-23 23299370 TM048	30/11/2020	Barbara Urbanek-Walsh	Loose fibres in soil.	Not Detected (#)	Trace (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP3 ES1 0.30 - 0.30 SOLID 23/11/2020 00:00:00 21/11/2020 09:00:00 201124-23 23299379 TM048	30/11/2020	Barbara Urbanek-Walsh	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP4 ES1 0.50 - 0.50 SOLID 23/11/2020 00:00:00 21/11/2020 09:00:00 201124-23 23299267 TM048	30/11/20	Andrzej Ferfecki	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP4 ES2 1.70 - 1.70 SOLID 23/11/2020 00:00:00 21/11/2020 09:00:00 201124-23 23299277 TM048	27/11/2020	Barbara Urbanek-Walsh	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP5 ES1 0.40 - 0.40 SOLID 23/11/2020 00:00:00 21/11/2020 09:00:00 201124-23 23299418 TM048	30/11/2020	Barbara Urbanek-Walsh	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

Validated

CERTIFICATE OF ANALYSIS

SDG:	201124-23	**Client Reference:**	Pyle CRC	**Report Number:**	578614
Location:	Pyle, Bridgend	**Order Number:**	P20241_1	**Superseded Report:**	577924

		Date of Analysis	Analysed By	Comments	Amosite (Brown) Asbestos	Chrysotile (White) Asbestos	Crocidolite (Blue) Asbestos	Fibrous Actinolite	Fibrous Anthophyllite	Fibrous Tremolite	Non-Asbestos Fibre
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP6 ES1 0.40 - 0.40 SOLID 23/11/2020 00:00:00 21/11/2020 09:00:00 201124-23 23299424 TM048	30/11/2020	Barbara Urbanek-Walsh	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP7 ES1 0.50 - 0.50 SOLID 23/11/2020 00:00:00 21/11/2020 09:00:00 201124-23 23299288 TM048	30/11/2020	Agnieszka Chelmowska	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP7 ES2 1.80 - 1.80 SOLID 23/11/2020 00:00:00 21/11/2020 09:00:00 201124-23 23299298 TM048	30/11/2020	Barbara Urbanek-Walsh	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP8 ES1 0.50 - 0.50 SOLID 23/11/2020 00:00:00 21/11/2020 09:00:00 201124-23 23299406 TM048	30/11/20	Andrzej Ferfecki	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP8 ES2 1.30 - 1.30 SOLID 23/11/2020 00:00:00 21/11/2020 09:00:00 201124-23 23299413 TM048	27/11/2020	Barbara Urbanek-Walsh	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP9 ES1 0.20 - 0.20 SOLID 23/11/2020 00:00:00 21/11/2020 09:00:00 201124-23 23299308 TM048	30/11/2020	Barbara Urbanek-Walsh	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP9 ES2 0.80 - 0.80 SOLID 23/11/2020 00:00:00 21/11/2020 09:00:00 201124-23 23299321 TM048	30/11/2020	Marcin Magdziarek	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected
Cust. Sample Ref. Depth (m) Sample Type Date Sampled Date Receieved SDG Original Sample Method Number	TP9 ES3 2.00 - 2.00 SOLID 23/11/2020 00:00:00 21/11/2020 09:00:00 201124-23 23299331 TM048	30/11/20	Andrzej Ferfecki	-	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected (#)	Not Detected

Asbestos Quantification - Full

Results Legend

#	ISO17025 accredited.
M	*m*CERTS accredited.
*	Subcontracted test.
(F)	Trigger breach confirmed
1-5&+$@	Sample deviation (see appendix)

		Additional Asbestos Components	Analysts Comments	Asbestos Quantification - Gravimetric - %	Asbestos Quantification - PCOM	Asbestos Quantification - Total - %
Cust. Sample Ref.	TP2 ES1	None (#)	-	<0.001 (#)	<0.001 (#)	<0.001 (#)
Depth (m)	0.10 - 0.10					
Sample Type	SOLID					
Date Sampled	23/11/2020 00:00:00					
Date Receieved	21/11/2020 09:00:00					
SDG	201124-23					
Original Sample	23299370					
Method Number	TM304					

Table of Results - Appendix

Method No	Reference	Description
PM023	Leaching test method for the Assessment of Contaminated Land: Interim NRA Guidance. National Rivers Authority R & D note 301. (1994).	Leaching Procedure for NRA Leachates
PM024	Modified BS 1377	Soil preparation including homogenisation, moisture screens of soils for Asbestos Containing Material
TM018	BS 1377: Part 3 1990	Determination of Loss on Ignition
TM043	Method 2320B, AWWA/APHA, 20th Ed., 1999 / BS 2690: Part109 1984	Determination of alkalinity in aqueous samples
TM048	HSG 248, Asbestos: The analysts' guide for sampling, analysis and clearance procedures	Identification of Asbestos in Bulk Material
TM062 (S)	National Grid Property Holdings Methods for the Collection & Analysis of Samples from National Grid Sites version 1 Sec 3.9	Determination of Phenols in Soils by HPLC
TM089	Modified: US EPA Methods 8020 & 602	Determination of Gasoline Range Hydrocarbons (GRO) by Headspace GC-FID (C4-C12)
TM090	Method 5310, AWWA/APHA, 20th Ed., 1999 / Modified: US EPA Method 415.1 & 9060	Determination of Total Organic Carbon/Total Inorganic Carbon in Water and Waste Water
TM099	BS 2690: Part 7:1968 / BS 6068: Part2.11:1984	Determination of Ammonium in Water Samples using the Kone Analyser
TM104	Method 4500F, AWWA/APHA, 20th Ed., 1999	Determination of Fluoride using the Kone Analyser
TM116	Modified: US EPA Method 8260, 8120, 8020, 624, 610 & 602	Determination of Volatile Organic Compounds by Headspace / GC-MS
TM123	BS 2690: Part 121:1981	The Determination of Total Dissolved Solids in Water
TM132	In - house Method	ELTRA CS800 Operators Guide
TM133	BS 1377: Part 3 1990;BS 6068-2.5	Determination of pH in Soil and Water using the GLpH pH Meter
TM151	Method 3500D, AWWA/APHA, 20th Ed., 1999	Determination of Hexavalent Chromium using Kone analyser
TM152	Method 3125B, AWWA/APHA, 20th Ed., 1999	Analysis of Aqueous Samples by ICP-MS
TM153	Method 4500A,B,C, I, M AWWA/APHA, 20th Ed., 1999	Determination of Total Cyanide, Free (Easily Liberatable) Cyanide and Thiocyanate using the Skalar SANS+ System Segmented Flow Analyser
TM168	EPA Method 8082, Polychlorinated Biphenyls by Gas Chromatography	Determination of WHO12 and EC7 Polychlorinated Biphenyl Congeners by GC-MS in Soils
TM174	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Waters by GC-FID
TM178	Modified: US EPA Method 8100	Determination of Polynuclear Aromatic Hydrocarbons (PAH) by GC-MS in Waters
TM181	US EPA Method 6010B	Determination of Routine Metals in Soil by iCap 6500 Duo ICP-OES
TM182	CEN/TC 292 - WI 292046-chacterization of waste-leaching Behaviour Tests- Acid and Base Neutralization Capacity Test	Determination of Acid Neutralisation Capacity (ANC) Using Autotitration in Soils
TM183	BS EN 23506:2002, (BS 6068-2.74:2002) ISBN 0 580 38924 3	Determination of Trace Level Mercury in Waters and Leachates by PSA Cold Vapour Atomic Fluorescence Spectrometry
TM184	EPA Methods 325.1 & 325.2,	The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers
TM208	Modified: US EPA Method 8260b & 624	Determination of Volatile Organic Compounds by Headspace / GC-MS in Waters
TM218	Shaker extraction - EPA method 3546.	The determination of PAH in soil samples by GC-MS
TM222	In-House Method	Determination of Hot Water Soluble Boron in Soils (10:1 Water:soil) by IRIS Emission Spectrometer
TM227	Standard methods for the examination of waters and wastewaters 20th Edition, AWWA/APHA Method 4500.	Determination of Total Cyanide, Free (Easily Liberatable) Cyanide and Thiocyanate
TM243		Mixed Anions In Soils By Kone
TM245	By GC-FID	Determination of GRO by Headspace in waters
TM255		Determination of Low Level Phenols in Waters and Leachates by HPLC
TM256	The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011 751428 4.	Determination of pH in Water and Leachate using the GLpH pH Meter
TM259	by HPLC	Determination of Phenols in Waters and Leachates by HPLC
TM304	HSE Contract research Report no 83/1996	Asbestos Quantification in Soil: Fibres identified by morphology only
TM410	Shaker extraction-In house coronene method	Determination of Coronene in soils by GCMS
TM414	Analysis of Petroleum Hydrocarbons in Environmental Media – Total Petroleum Hydrocarbon Criteria	Determination of Speciated Extractable Petroleum Hydrocarbons in Soils by GCxGC-FID
TM415	Analysis of Petroleum Hydrocarbons in Environmental Media.	Determination of Extractable Petroleum Hydrocarbons in Soils by GCxGC-FID

NA = not applicable.

Chemical testing (unless subcontracted) performed at ALS Life Sciences Ltd Hawarden (Method codes TM) or ALS Life Sciences Ltd Aberdeen (Method codes S).

Validated

CERTIFICATE OF ANALYSIS

SDG:	201124-23	**Client Reference:**	Pyle CRC	**Report Number:**	578614
Location:	Pyle, Bridgend	**Order Number:**	P20241_1	**Superseded Report:**	577924

Test Completion Dates

Lab Sample No(s)	23299356	23299258	23299397	23299370	23299379	23299267	23299277	23299418	23299424	23299388
Customer Sample Ref.	Sump water	TP1 ES1	TP1 ES2	TP2 ES1	TP3 ES1	TP4 ES1	TP4 ES2	TP5 ES1	TP6 ES1	TP3A ES1
AGS Ref.										
Depth	0.00 - 0.00	0.20 - 0.20	1.70 - 1.70	0.10 - 0.10	0.30 - 0.30	0.50 - 0.50	1.70 - 1.70	0.40 - 0.40	0.40 - 0.40	0.30 - 0.30
Type	Ground Water	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)
Alkalinity as CaCO3	27-Nov-2020									
Ammoniacal Nitrogen	25-Nov-2020									
ANC at pH4 and ANC at pH 6			30-Nov-2020		30-Nov-2020	30-Nov-2020				
Anions by Kone (soil)		30-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020
Anions by Kone (w)	27-Nov-2020		27-Nov-2020		27-Nov-2020	27-Nov-2020				
Asbestos ID in Solid Samples		30-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020	27-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020
Asbestos Quantification - Full				04-Dec-2020						
Boron Water Soluble		30-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020
Chromium III		27-Nov-2020	26-Nov-2020	26-Nov-2020	26-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020	26-Nov-2020
Coronene			25-Nov-2020		25-Nov-2020	26-Nov-2020				
Cyanide Comp/Free/Total/Thiocyanate	26-Nov-2020	26-Nov-2020	26-Nov-2020	26-Nov-2020	26-Nov-2020	27-Nov-2020	27-Nov-2020	27-Nov-2020	27-Nov-2020	26-Nov-2020
Dissolved Metals by ICP-MS	27-Nov-2020		27-Nov-2020		30-Nov-2020	27-Nov-2020				
Dissolved Organic/Inorganic Carbon	25-Nov-2020		27-Nov-2020		27-Nov-2020	27-Nov-2020				
EPH by GCxGC-FID			26-Nov-2020		26-Nov-2020	26-Nov-2020				
EPH CWG (Aliphatic) Aqueous GC (W)	27-Nov-2020									
EPH CWG (Aromatic) Aqueous GC (W)	27-Nov-2020									
EPH CWG GC (S)		26-Nov-2020	26-Nov-2020	26-Nov-2020	26-Nov-2020	26-Nov-2020	26-Nov-2020	26-Nov-2020	26-Nov-2020	26-Nov-2020
Fluoride			27-Nov-2020		27-Nov-2020	27-Nov-2020				
GRO by GC-FID (S)		26-Nov-2020	26-Nov-2020	26-Nov-2020	27-Nov-2020	27-Nov-2020	26-Nov-2020	27-Nov-2020	26-Nov-2020	27-Nov-2020
GRO by GC-FID (W)	25-Nov-2020									
Hexavalent Chromium (s)		26-Nov-2020	26-Nov-2020	26-Nov-2020	26-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020	26-Nov-2020
Loss on Ignition in soils			27-Nov-2020		27-Nov-2020	27-Nov-2020				
Low Level Phenols by HPLC (W)	26-Nov-2020									
Mercury Dissolved	26-Nov-2020		27-Nov-2020		27-Nov-2020	27-Nov-2020				
Metals in solid samples by OES		27-Nov-2020	26-Nov-2020	26-Nov-2020	26-Nov-2020	27-Nov-2020	27-Nov-2020	27-Nov-2020	27-Nov-2020	26-Nov-2020
Nitrite by Kone (w)	25-Nov-2020									
NRA Leachate			25-Nov-2020		25-Nov-2020	25-Nov-2020				
PAH 16 & 17 Calc			26-Nov-2020		27-Nov-2020	30-Nov-2020				
PAH by GCMS		27-Nov-2020	26-Nov-2020	26-Nov-2020	27-Nov-2020	30-Nov-2020	27-Nov-2020	30-Nov-2020	27-Nov-2020	27-Nov-2020
PAH Spec MS - Aqueous (W)	26-Nov-2020									
PCBs by GCMS			26-Nov-2020		26-Nov-2020	27-Nov-2020				
pH		25-Nov-2020	25-Nov-2020	25-Nov-2020	25-Nov-2020	26-Nov-2020	25-Nov-2020	26-Nov-2020	26-Nov-2020	25-Nov-2020
pH Value	26-Nov-2020									
Phenols by HPLC (S)		26-Nov-2020	27-Nov-2020	27-Nov-2020	26-Nov-2020	27-Nov-2020	26-Nov-2020	27-Nov-2020	27-Nov-2020	26-Nov-2020
Phenols by HPLC (W)			30-Nov-2020		30-Nov-2020	30-Nov-2020				
Sample description		24-Nov-2020	24-Nov-2020	24-Nov-2020	24-Nov-2020	25-Nov-2020	25-Nov-2020	25-Nov-2020	25-Nov-2020	24-Nov-2020
Total Dissolved Solids			30-Nov-2020		30-Nov-2020	30-Nov-2020				
Total Organic Carbon		30-Nov-2020	30-Nov-2020	30-Nov-2020	26-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020	26-Nov-2020
TPH CWG (W)	27-Nov-2020									
TPH CWG GC (S)		26-Nov-2020	26-Nov-2020	26-Nov-2020	27-Nov-2020	27-Nov-2020	26-Nov-2020	27-Nov-2020	26-Nov-2020	27-Nov-2020
VOC MS (S)		25-Nov-2020	25-Nov-2020	25-Nov-2020	26-Nov-2020	27-Nov-2020	26-Nov-2020	30-Nov-2020	26-Nov-2020	27-Nov-2020
VOC MS (W)	25-Nov-2020									

Validated

CERTIFICATE OF ANALYSIS

SDG:	201124-23	**Client Reference:**	Pyle CRC	**Report Number:**	578614
Location:	Pyle, Bridgend	**Order Number:**	P20241_1	**Superseded Report:**	577924

Lab Sample No(s)	23299288	23299298	23299406	23299413	23299308	23299321	23299331	23299342
Customer Sample Ref.	TP7 ES1	TP7 ES2	TP8 ES1	TP8 ES2	TP9 ES1	TP9 ES2	TP9 ES3	TP5 WATER
AGS Ref.								
Depth	0.50 - 0.50	1.80 - 1.80	0.50 - 0.50	1.30 - 1.30	0.20 - 0.20	0.80 - 0.80	2.00 - 2.00	0.00 - 0.00
Type	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Soil/Solid (S)	Ground Water
Alkalinity as CaCO3								27-Nov-2020
Ammoniacal Nitrogen								25-Nov-2020
ANC at pH4 and ANC at pH 6	30-Nov-2020	30-Nov-2020	30-Nov-2020			30-Nov-2020	30-Nov-2020	
Anions by Kone (soil)	30-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020	
Anions by Kone (w)	27-Nov-2020	27-Nov-2020	27-Nov-2020			27-Nov-2020	27-Nov-2020	27-Nov-2020
Asbestos ID in Solid Samples	30-Nov-2020	30-Nov-2020	30-Nov-2020	27-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020	
Boron Water Soluble	30-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020	
Chromium III	30-Nov-2020	26-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020	26-Nov-2020	26-Nov-2020	
Coronene	26-Nov-2020	25-Nov-2020	26-Nov-2020			25-Nov-2020	25-Nov-2020	
Cyanide Comp/Free/Total/Thiocyanate	27-Nov-2020	26-Nov-2020	27-Nov-2020	27-Nov-2020	27-Nov-2020	26-Nov-2020	26-Nov-2020	26-Nov-2020
Dissolved Metals by ICP-MS	30-Nov-2020	30-Nov-2020	30-Nov-2020			30-Nov-2020	27-Nov-2020	27-Nov-2020
Dissolved Organic/Inorganic Carbon	27-Nov-2020	27-Nov-2020	27-Nov-2020			27-Nov-2020	27-Nov-2020	25-Nov-2020
EPH by GCxGC-FID	26-Nov-2020	26-Nov-2020	26-Nov-2020			26-Nov-2020	26-Nov-2020	
EPH CWG (Aliphatic) Aqueous GC (W)								28-Nov-2020
EPH CWG (Aromatic) Aqueous GC (W)								28-Nov-2020
EPH CWG GC (S)	26-Nov-2020	26-Nov-2020	26-Nov-2020	26-Nov-2020	26-Nov-2020	26-Nov-2020	26-Nov-2020	
Fluoride	27-Nov-2020	27-Nov-2020	27-Nov-2020			27-Nov-2020	27-Nov-2020	
GRO by GC-FID (S)	27-Nov-2020	26-Nov-2020	27-Nov-2020	26-Nov-2020	27-Nov-2020	27-Nov-2020	26-Nov-2020	
GRO by GC-FID (W)								25-Nov-2020
Hexavalent Chromium (s)	30-Nov-2020	26-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020	26-Nov-2020	26-Nov-2020	
Loss on Ignition in soils	27-Nov-2020	27-Nov-2020	27-Nov-2020			27-Nov-2020	27-Nov-2020	
Low Level Phenols by HPLC (W)								25-Nov-2020
Mercury Dissolved	27-Nov-2020	27-Nov-2020	27-Nov-2020			27-Nov-2020	27-Nov-2020	24-Nov-2020
Metals in solid samples by OES	27-Nov-2020	26-Nov-2020	27-Nov-2020	27-Nov-2020	27-Nov-2020	26-Nov-2020	26-Nov-2020	
Nitrite by Kone (w)								25-Nov-2020
NRA Leachate	25-Nov-2020	25-Nov-2020	25-Nov-2020			25-Nov-2020	25-Nov-2020	
PAH 16 & 17 Calc	30-Nov-2020	26-Nov-2020	30-Nov-2020			27-Nov-2020	26-Nov-2020	
PAH by GCMS	30-Nov-2020	26-Nov-2020	30-Nov-2020	27-Nov-2020	27-Nov-2020	27-Nov-2020	26-Nov-2020	
PAH Spec MS - Aqueous (W)								27-Nov-2020
PCBs by GCMS	27-Nov-2020	26-Nov-2020	27-Nov-2020			26-Nov-2020	26-Nov-2020	
pH	25-Nov-2020	25-Nov-2020	25-Nov-2020	26-Nov-2020	26-Nov-2020	25-Nov-2020	25-Nov-2020	
pH Value								26-Nov-2020
Phenols by HPLC (S)	26-Nov-2020	27-Nov-2020	26-Nov-2020	27-Nov-2020	27-Nov-2020	27-Nov-2020	27-Nov-2020	
Phenols by HPLC (W)	30-Nov-2020	30-Nov-2020	30-Nov-2020			30-Nov-2020	30-Nov-2020	
Sample description	25-Nov-2020	24-Nov-2020	25-Nov-2020	25-Nov-2020	25-Nov-2020	24-Nov-2020	24-Nov-2020	
Total Dissolved Solids	30-Nov-2020	30-Nov-2020	30-Nov-2020			30-Nov-2020	30-Nov-2020	
Total Organic Carbon	30-Nov-2020	26-Nov-2020	30-Nov-2020	30-Nov-2020	30-Nov-2020	26-Nov-2020	30-Nov-2020	
TPH CWG (W)								28-Nov-2020
TPH CWG GC (S)	27-Nov-2020	26-Nov-2020	27-Nov-2020	26-Nov-2020	27-Nov-2020	27-Nov-2020	26-Nov-2020	
VOC MS (S)	26-Nov-2020	25-Nov-2020	27-Nov-2020	26-Nov-2020	26-Nov-2020	26-Nov-2020	25-Nov-2020	
VOC MS (W)								25-Nov-2020

Appendix

1. Results are expressed on a dry weight basis (dried at 35ºC) for all soil analyses except for the following: NRA and CEN Leach tests, flash point LOI, pH, ammonium as NH4 by the BRE method, VOC TICs and SVOC TICs.

2. If sufficient sample is received a sub sample will be retained free of charge for 30 days after analysis is completed (e-mailed) for all sample types unless the sample is destroyed on testing. The prepared soil sub sample that is analysed for asbestos will be retained for a period of 6 months after the analysis date. All bulk samples will be retained for a period of 6 months after the analysis date. All samples received and not scheduled will be disposed of one month after the date of receipt unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage. ALS reserve the right to charge for samples received and stored but not analysed.

3. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.

4. We take responsibility for any test performed by sub-contractors (marked with an asterisk). We endeavour to use UKAS/MCERTS Accredited Laboratories, who either complete a quality questionnaire or are audited by ourselves. For some determinands there are no UKAS/MCERTS Accredited Laboratories, in this instance a laboratory with a known track record will be utilised.

5. If no separate volatile sample is supplied by the client, or if a headspace or sediment is present in the volatile sample, the integrity of the data may be compromised. This will be flagged up as an invalid VOC on the test schedule and the result marked as deviating on the test certificate.

6. NDP - No determination possible due to insufficient/unsuitable sample.

7. Results relate only to the items tested.

8. LoDs (Limit of Detection) for wet tests reported on a dry weight basis are not corrected for moisture content.

9. **Surrogate recoveries** - Surrogates are added to your sample to monitor recovery of the test requested. A % recovery is reported, results are not corrected for the recovery measured. Typical recoveries for organics tests are 70-130%. Recoveries in soils are affected by organic rich or clay rich matrices. Waters can be affected by remediation fluids or high amounts of sediment. Test results are only ever reported if all of the associated quality checks pass; it is assumed that all recoveries outside of the values above are due to matrix affect.

10. Stones/debris are not routinely removed. We always endeavour to take a representative sub sample from the received sample.

11. In certain circumstances the method detection limit may be elevated due to the sample being outside the calibration range. Other factors that may contribute to this include possible interferences. In both cases the sample would be diluted which would cause the method detection limit to be raised.

12. Mercury results quoted on soils will not include volatile mercury as the analysis is performed on a dried and crushed sample.

13. For leachate preparations other than Zero Headspace Extraction (ZHE) volatile loss may occur.

14. For the BSEN 12457-3 two batch process to allow the cumulative release to be calculated, the volume of the leachate produced is measured and filtered for all tests. We therefore cannot carry out any unfiltered analysis. The tests affected include volatiles GCFID/GCMS and all subcontracted analysis.

15. Analysis and identification of specific compounds using GCFID is by retention time only, and we routinely calibrate and quantify for benzene, toluene, ethylbenzenes and xylenes (BTEX). For total volatiles in the C5-C12 range, the total area of the chromatogram is integrated and expressed as ug/kg or ug/l. Although this analysis is commonly used for the quantification of gasoline range organics (GRO), the system will also detect other compounds such as chlorinated solvents, and this may lead to a falsely high result with respect to hydrocarbons only. It is not possible to specifically identify these non-hydrocarbons, as standards are not routinely run for any other compounds, and for more definitive identification, volatiles by GCMS should be utilised.

16. We are accredited to MCERTS for sand, clay and loam/topsoil, or any of these materials - whether these are derived from naturally occurring soil profiles, or from fill/made ground, as long as these materials constitute the major part of the sample. Other coarse granular material such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

General

17. **Tentatively Identified Compounds (TICs)** are non-target peaks in VOC and SVOC analysis. All non-target peaks detected with a concentration above the LoD are subjected to a mass spectral library search. Non-target peaks with a library search confidence of >75% are reported based on the best mass spectral library match. When a non-target peak with a library search confidence of <75% is detected it is reported as "mixed hydrocarbons". Non-target compounds identified from the scan data are semi-quantified relative to one of the deuterated internal standards, under the same chromatographic conditions as the target compounds. This result is reported as a semi-quantitative value and reported as Tentatively Identified Compounds (TICs). TICs are outside the scope of UKAS accreditation and are not moisture corrected.

18. **Sample Deviations**

If a sample is classed as deviated then the associated results may be compromised.

1	**Container with Headspace provided for volatiles analysis**
2	**Incorrect container received**
3	**Deviation from method**
4	**Matrix interference**
♦	**Sample holding time exceeded in laboratory**
@	**Sample holding time exceeded due to late arrival of instructions or samples**
§	**Sampled on date not provided**

19. **Asbestos**

When requested, the individual sub sample scheduled will be analysed in house for the presence of asbestos fibres and asbestos containing material by our documented in house method TM048 based on HSG 248 (2005), which is accredited to ISO17025. If a specific asbestos fibre type is not found this will be reported as "Not detected". If no asbestos fibre types are found all will be reported as "Not detected" and the sub sample analysed deemed to be clear of asbestos. If an asbestos fibre type is found it will be reported as detected (for each fibre type found). Testing can be carried out on asbestos positive samples, but, due to Health and Safety considerations, may be replaced by alternative tests or reported as No Determination Possible (NDP). The quantity of asbestos present is not determined unless specifically requested.

Identification of Asbestos in Bulk Materials & Soils

The results for identification of asbestos in bulk materials are obtained from supplied bulk materials which have been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

The results for identification of asbestos in soils are obtained from a homogenised sub sample which has been examined to determine the presence of asbestos fibres using ALS (Hawarden) in-house method of transmitted/polarised light microscopy and central stop dispersion staining, based on HSG 248 (2005).

Asbestos Type	Common Name
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Fibrous Actinolite	-
Fibrous Anthophyllite	-
Fibrous Tremolite	-

Visual Estimation Of Fibre Content

Estimation of fibre content is not permitted as part of our UKAS accredited test other than: - Trace - Where only one or two asbestos fibres were identified.

Respirable Fibres

Respirable fibres are defined as fibres of <3 µm diameter, longer than 5 µm and with aspect ratios of at least 3:1 that can be inhaled into the lower regions of the lung and are generally acknowledged to be most important predictor of hazard and risk for cancers of the lung.
Standing Committee of Analysts, *The Quantification of Asbestos in Soil (2017).*

Further guidance on typical asbestos fibre content of manufactured products can be found in HSG 264.

The identification of asbestos containing materials and soils falls within our schedule of tests for which we hold UKAS accreditation, however opinions, interpretations and all other information contained in the report are outside the scope of UKAS accreditation.

ALS

			Customer Sample ID	TP1 ES2	TP3 ES1	TP4 ES1	TP7 ES1	TP7 ES2	TP8 ES1	TP9 ES2	TP9 ES3		mg/l			ug/l		
			Depth	1.70-1.70	0.30-0.30	0.50-0.50	0.50-0.50	1.80-1.80	0.50-0.50	0.80-0.80	2.00-2.00							
SD	201124-23		**AGS Id**															
Cu	Yellow Sub Geo Ltd Cardiff (11888)		**Sample Type**	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID							
Cli	Pyle, Bridgend		**Sampled Date**	23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020							
Or	P20241_1		**Sample Received Date**	24/11/2020	24/11/2020	24/11/2020	24/11/2020	24/11/2020	24/11/2020	24/11/2020	24/11/2020							
			Final Instruction Date	30/11/2020	30/11/2020	30/11/2020	30/11/2020	30/11/2020	30/11/2020	30/11/2020	30/11/2020							
All results expressed on a dry weight ba			**Report Completed Date**										Inert Waste Landfill	Stable non-reactive hazardous waste in non-hazardous landfill	Hazardous waste landfill	Inert Waste Landfill	Stable non-reactive hazardous waste in non-hazardous landfill	Hazardous waste landfill
			SDG	201124-23	201124-23	201124-23	201124-23	201124-23	201124-23	201124-23	201124-23							
			Lab Sample Number	23299397	23299379	23299267	23299288	23299298	23299406	23299321	23299331							
			Sample Temperature	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2							
			Sample Time															
An	**Test**	**Method**	**Units**	**LOD**														
	NRA - Leachant Volume	PM023	ml		900	900	900	900	900	900	900	900						
Ca																		
	NRA - Carbon, Organic (diss.filt)	TM090	mg/l	<3	6.39	3.63	4.75	5.47	5.29	<3	6.56	4.72	OK	500	800	1000			
In																			
	NRA - Dissolved solids, Total (meter)	TM123	mg/l	<5	34.7	66.4	66.6	139	23.1	59.3	109	35.9	OK	4000	60000	100000			
	NRA - Fluoride	TM104	mg/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.617	<0.5	<0.5	OK	10	150	500			
	NRA - Sulphate	TM184	mg/l	<2	<2	6.3	3.8	17.5	4.4	<2	22.8	<2	OK	1000	20000	50000			
	NRA - Chloride	TM184	mg/l	<2	<2	2	<2	<2	<2	<2	<2	2.5	OK	800	15000	25000			
Fi																			
	NRA - Mercury (diss.filt)	TM183	µg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	OK	0.01	0.2	2	10	200	2000
	NRA - Antimony (diss.filt)	TM152	µg/l	<1	<1	3.06	32.3	3.84	<1	2.27	8.74	1.37	OK	0.06	0.7	5	60	700	5000
	NRA - Arsenic (diss.filt)	TM152	µg/l	<0.5	4.08	13.1	33.7	5.06	0.758	8.22	12.8	2.63	OK	0.5	2	25	500	2000	25000
	NRA - Barium (diss.filt)	TM152	µg/l	<0.2	16.5	24.4	31.7	55.1	18.5	49.9	48.3	1260	OK	20	100	300	20000	100000	300000
	NRA - Cadmium (diss.filt)	TM152	µg/l	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	0.0857	OK	0.04	1	5	40	1000	5000
	NRA - Chromium (diss.filt)	TM152	µg/l	<1	1.3	<1	<1	<1	<1	1.68	<1	5.45	OK	0.5	10	70	500	10000	70000
	NRA - Copper (diss.filt)	TM152	µg/l	<0.3	2.1	1.37	1.88	1.66	<0.3	0.767	<0.3	8.9	OK	2	50	100	2000	50000	100000
	NRA - Lead (diss.filt)	TM152	µg/l	<0.2	2.96	<0.2	0.764	<0.2	<0.2	0.226	<0.2	19.5	OK	0.5	10	50	500	10000	50000
	NRA - Molybdenum (diss.filt)	TM152	µg/l	<3.0	<3	5.46	7.79	7.88	<3	8.62	13	<3	OK	0.5	10	30	500	10000	30000
	NRA - Nickel (diss.filt)	TM152	µg/l	<0.4	1.06	0.962	0.829	0.507	<0.4	0.492	0.825	2.5	OK	0.4	10	40	400	10000	40000
	NRA - Selenium (diss.filt)	TM152	µg/l	<1.0	<1	3.36	16	<1	<1	5.99	7.62	2.37	OK	0.1	0.5	7	100	500	7000
	NRA - Zinc (diss.filt)	TM152	µg/l	<1.0	4.73	<1	2.81	<1	94.8	2.28	50.8	281	OK	4	50	200	4000	50000	200000
Ph																			
	NRA - Phenols, Total Detected monoh	TM259	mg/l	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	OK	1	-	-			

ALS

1					**Customer Sample ID**	TP3A ES1	TP1 ES1	TP1 ES2	TP2 ES1	TP3 ES1	TP4 ES1	TP4 ES2	TP5 ES1	TP6 ES1	TP7 ES1	TP7 ES2	TP8 ES1	TP8 ES2	TP9 ES1	TP9 ES2	TP9 ES3				
1					**Depth**	0.30-0.30	0.20-0.20	1.70-1.70	0.10-0.10	0.30-0.30	0.50-0.50	1.70-1.70	0.40-0.40	0.40-0.40	0.50-0.50	1.80-1.80	0.50-0.50	1.30-1.30	0.20-0.20	0.80-0.80	2.00-2.00				
1	**SDG(s):**	201124-23			**AGS Id**																				
1	**Customer:**	Yellow Sub Geo Ltd Cardiff (11888)			**Sample Type**	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID	SOLID				
1	**Client Reference / Loc**	Pyle, Bridgend			**Sampled Date**	23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020	23/11/2020				
1	**Order no:**	P20241_1			**Sample Received Date**	24/11/2020	24/11/2020	24/11/2020	24/11/2020	24/11/2020	24/11/2020	24/11/2020	24/11/2020	24/11/2020	24/11/2020	24/11/2020	24/11/2020	24/11/2020	24/11/2020	24/11/2020	24/11/2020				
1					**Final Instruction Date**	30/11/2020	30/11/2020	30/11/2020	30/11/2020	30/11/2020	30/11/2020	30/11/2020	30/11/2020	30/11/2020	30/11/2020	30/11/2020	30/11/2020	30/11/2020	30/11/2020	30/11/2020	30/11/2020				
1	**All results expressed on a dry weight basis**				**Report Completed Date**																				
1					**SDG**	201124-23	201124-23	201124-23	201124-23	201124-23	201124-23	201124-23	201124-23	201124-23	201124-23	201124-23	201124-23	201124-23	201124-23	201124-23	201124-23				
1					**Lab Sample Number**	23299388	23299258	23299397	23299370	23299379	23299267	23299277	23299418	23299424	23299288	23299298	23299406	23299413	23299308	23299321	23299331				
1					**Sample Temperature**	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2				
1					**Sample Time**																				
1	**Analysis**	**Test**	**Method**	**Units**	**LOD**																				
1	**Asbestos**																								
1		Date of Analysis	TM048	No units		30/11/2020	30/11/20	30/11/2020	30/11/2020	30/11/2020	30/11/20	27/11/2020	30/11/2020	30/11/2020	30/11/2020	30/11/2020	30/11/20	27/11/2020	30/11/2020	30/11/2020	30/11/20				
1		Analysed By	TM048	No units		Urbanek-Walsh	ndrzej Ferecki	Urbanek-Walsh	ara Urbanek-Walsh	ara Urbanek-Walsh	Andrzej Ferecki	ara Urbanek-Walsh	ara Urbanek-Walsh	ara Urbanek-Walsh	ieszka Chelmowska	ara Urbanek-Walsh	Andrzej Ferecki	ara Urbanek-Walsh	ara Urbanek-Walsh	Marcin Magdziarek	Andrzej Ferecki				
1		Chrysotile (White) Asbestos	TM048	No units		Not Detected	Not Detected	Not Detected	Trace	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected				
1		Amosite (Brown) Asbestos	TM048	No units		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected				
1		Crocidolite (Blue) Asbestos	TM048	No units		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected				
1		Fibrous Anthophyllite	TM048	No units		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected				
1		Fibrous Tremolite	TM048	No units		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected				
1		Fibrous Actinolite	TM048	No units		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected				
1		Non-Asbestos Fibre	TM048	No units		Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected				
1		Comments	TM048	No units		-	-	-	Loose fibres in soil.	-	-	-	-	-	-	-	-	-	-	-	-				
1	**Carbon**																								
1		Organic Carbon, Total	TM132	%	<0.2	-	-	0.473	-	15.3	25	-	-	-	18.5	0.561	31.8	-	-	16.6	<0.2		3	5	6
1	**Inorganics**																								
1		pH	TM133	pH Units	<1	8.43	11.8	7.02	11.4	8.49	8.32	6.83	8.92	8.71	8.49	6.7	8.21	5.84	10.3	8.01	7.45	OK	-	>6	-
1		ANC @ pH 4	TM182	mol/kg	<0.03	-	-	0.0534	-	0.0486	0.138	-	-	-	0.232	<0.03	0.0528	-	-	0.0811	0.0301				
1		ANC @ pH 6	TM182	mol/kg	<0.03	-	-	<0.03	-	<0.03	0.0489	-	-	-	0.0628	<0.03	<0.03	-	-	0.0323	<0.03				
1		Loss on ignition	TM018	%	<0.7	-	-	9.45	-	28.5	15.1	-	-	-	8.58	2.52	17.4	-	-	30.3	2.24		-	-	10
1	**EPH (Extractab**																								
1		Mineral Oil >C10-C40	TM415	mg/kg	<5	-	-	<5	-	<5	18	-	-	-	14.8	<5	<5	-	-	<5	<5	OK	500	-	-
1	**Polyaromatic H**																								
1		PAH, Total Detected USEPA 16	TM218	µg/kg	<118	520	<590	<118	1790	187	<118	<118	<118	663	<118	<118	<118	<118	693	<118	<118	OK	100000	-	-
1	**PCB's - (Solids**																								
1		Sum of detected PCB 7 Congeners	TM168	µg/kg	<21	-	-	<21	-	<21	<21	-	-	-	<105	<21	<21	-	-	<21	<21	OK	1000	-	-
1	**Volatile Organi**																								
1		Sum of BTEX	TM116	µg/kg	<40	<8000	<40	<40	<40	<800	<8000	<40	<8000	<40	<800	<40	<8000	<40	<40	<800	<40	OK	6000	-	-
1	**Polyaromatic H**																								
1		PAH Total 17 (inc Coronene) Moisture Corrected	TM410	mg/kg	<10	-	-	<10	-	<10	<10	-	-	-	<10	<10	<10	-	-	<10	<10	OK	100	-	-

Inert Waste Landfill	Stable non-reactive hazardous waste in non-hazardous landfill	Hazardous waste landfill

Appendix G: Engineering logs

Trial Pit Log

Project Name: Pyle CRC	Client: Walters	Date: 20/11/2020
Location: Pyle, Bridgend	Contractor:	Co-ords: E283422.70 N181966.31
Project No. : 20241	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP01	TP	38.17m AoD		1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
								MADE GROUND: Lean concrete blinding
		0.20	ES		0.15	38.17		MADE GROUND: Grey and orange silty sandy gravelly COBBLES AND BOULDERS of brick and concrete with single fragment of metal ducting and single piece of electicity cable.
					0.30	38.02		MADE GROUND: Soft to firm orange very sandy CLAY
					0.80	37.87		MADE GROUND: Dark grey very sandy SILT of pulverised fuel ash (PFA)
		1.70	ES		1.65	37.37		Very soft orange mottled brown and black slightly sandy CLAY with relic rootlets in top 150 mm (ALLUVIUM)
					2.45	36.52		End of Borehole at 2.450m

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Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

Pit terminated in natural soils.

Trial Pit Log

Project Name: Pyle CRC	Client: Walters	Date: 20/11/2020
Location: Pyle, Bridgend	Contractor:	Co-ords: E283412.84 N181966.91
Project No. : 20241	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP02	TP	38.02m AoD		1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
		0.10	ES					MADE GROUND: Grey and orange clayey sandy gravelly COBBLES AND BOULDERS of brick and concrete. Gravel is fine to coarse sub-angular of brick and concrete. With occasional wire, plastic fragment and mortar.
					0.45	38.02		MADE GROUND: Dark grey very sandy SILT of pulverised fuel ash (PFA)
					1.95	37.57		Relic reeds and rootlets with humic rotting vegetation smell (RELIC TOPSOIL)
					2.10	36.07		Very soft to soft grey mottled brown slightly sandy CLAY (ALLUVIUM)
					2.30	35.92		Orange slightly clayey silty SAND (ALLUVIUM)
					2.50	35.72		Very soft to soft grey mottled brown slightly sandy CLAY (ALLUVIUM)
					3.20	35.52		End of Borehole at 3.200m

1 2 3 4

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

Pit terminated in natural soils.

Trial Pit Log

Project Name: Pyle CRC	Client: Walters	Date: 20/11/2020
Location: Pyle, Bridgend	Contractor:	
Project No. : 20241	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP03	TP			1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								MADE GROUND: Dark grey very sandy SILT of pulverised fuel ash (PFA) forming slurry due to tracking of site vehicles
					0.20			
		0.30	ES					MADE GROUND: Dark grey very sandy SILT of pulverised fuel ash (PFA)
					1.20			Firm grey green mottled brown slightly sandy CLAY with relic rootlets in upper 100 mm. (ALLUVIUM)
					2.20			Orange slightly clayey silty SAND (ALLUVIUM)
					3.00			End of Borehole at 3.000m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

Pit terminated in natural soils.

Trial Pit Log

Project Name: Pyle CRC	Client: Walters	Date: 20/11/2020
Location: Pyle, Bridgend	Contractor:	Co-ords: E283431.97 N181952.84
Project No. : 20241	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP03A	TP	37.78m AoD		1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
								MADE GROUND: Grey and orange gravelly COBBLES and BOULDERS of brick and concrete.
					0.20	37.78		MADE GROUND: Dark grey very sandy SILT of pulverised fuel ash (PFA)
		0.30	ES					
					0.40	37.58		Soft to very soft sandy green-grey mottled brown CLAY (ALLUVIUM)
					1.80	37.38		End of Borehole at 1.800m

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Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

Pit terminated in natural soils.

Trial Pit Log

Project Name: Pyle CRC	Client: Walters	Date: 20/11/2020
Location: Pyle, Bridgend	Contractor:	Co-ords: E283431.25 N181985.35
Project No. : 20241	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP04	TP	37.71m AoD		1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	37.71		TOPSOIL
		0.50	ES					MADE GROUND: Dark grey very sandy SILT of pulverised fuel ash (PFA)
		1.70	ES		1.60	37.61		Firm orange mottled brown very sandy CLAY (ALLUVIUM)
					2.10	36.11		End of Borehole at 2.100m

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

Pit terminated in natural soils.

Trial Pit Log

Project Name: Pyle CRC	Client: Walters	Date: 20/11/2020
Location: Pyle, Bridgend	Contractor:	Co-ords: E283411.65 N181985.02
Project No. : 20241	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP05	TP	37.76m AoD		1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								MADE GROUND: Single size 20mm clean GRAVEL aggregate
					0.20	37.76		MADE GROUND: Pink-grey fine to coarse sub-angular to angular GRAVEL of limestone.
					0.30	37.56		MADE GROUND: Dark grey very sandy SILT of pulverised fuel ash (PFA) with cobbles and boulders of concrete
		0.40	ES					
					1.00	37.46		End of Borehole at 1.000m

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2
3
4

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

Pit terminated due to groundwater.

Trial Pit Log

Project Name: Pyle CRC	Client: Walters	Date: 20/11/2020
Location: Pyle, Bridgend	Contractor:	Co-ords: E283408.91 N181997.93
Project No. : 20241	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP06	TP	37.75m AoD		1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	37.75		MADE GROUND: Pink-grey fine to coarse sub-angular to angular GRAVEL of limestone.
					0.30	37.65		MADE GROUND: Dark grey very sandy SILT of pulverised fuel ash (PFA)
		0.40	ES		0.60	37.45		MADE GROUND: Firm yellow-brown sandy very gravelly CLAY. Gravel is fine to coarse sub-angular of brick and concrete with cobbles and boulders of brick and concrete.
					0.75	37.15		MADE GROUND: CONCRETE slab
					0.90	37.00		MADE GROUND: Dark grey very sandy SILT of pulverised fuel ash (PFA)
								End of Borehole at 0.900m

1
2
3
4

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

Pit terminated in natural soils.

Trial Pit Log

Project Name: Pyle CRC	Client: Walters	Date: 20/11/2020
Location: Pyle, Bridgend	Contractor:	Co-ords: E283447.11 N181976.76
Project No. : 20241	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP07	TP	37.56m AoD		1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
					0.10	37.56		MADE GROUND: Dark grey very sandy SILT of pulverised fuel ash (PFA) forming slurry due to tracking of site vehicles
								MADE GROUND: Dark grey very sandy SILT of pulverised fuel ash (PFA)
		0.50	ES					
					0.70	37.46		Relic reeds and rootlets with humic rotting vegetation smell (RELIC TOPSOIL)
					0.80	36.86		Firm orange mottled brown very sandy CLAY (ALLUVIUM)
					1.10	36.76		Orange-brown clayey sandy fine to coarse sub-rounded to rounded GRAVEL of sandstone, siltstone, and Mercia Mudstone (HEAD)
		1.80	ES					
					2.10	36.46		End of Borehole at 2.100m

1 2 3 4

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

Pit terminated in natural soils.

Trial Pit Log

Project Name: Pyle CRC	Client: Walters	Date: 20/11/2020
Location: Pyle, Bridgend	Contractor:	Co-ords: E283469.98 N181966.85
Project No. : 20241	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP08	TP	37.92m AoD		1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
								MADE GROUND: Dark grey very sandy SILT of pulverised fuel ash (PFA) forming slurry due to tracking of site vehicles
					0.20	37.92		MADE GROUND: Dark grey very sandy SILT of pulverised fuel ash (PFA)
		0.50	ES					
					0.90	37.72		Firm to stiff brown mottled grey sandy slightly gravelly CLAY with much rotting roots and reeds (RELIC TOPSOIL)
					1.10	37.02		Firm to stiff brown mottled grey sandy slightly gravelly CLAY. Gravel is fine to coarse sub-rounded to sub-angular of sandstone. (ALLUVIUM)
		1.30	ES					
					1.90	36.82		Orange very clayey SAND (ALLUVIUM)
					2.50	36.02		End of Borehole at 2.500m

1 2 3 4

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

Pit terminated in natural soils.

Trial Pit Log

Project Name: Pyle CRC	Client: Walters	Date: 20/11/2020
Location: Pyle, Bridgend	Contractor:	Co-ords: E283433.60 N181965.78
Project No. : 20241	Crew Name:	Equipment:

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP09	TP	38.11m AoD		1:20	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing: Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
		0.20	ES		0.30	38.11		MADE GROUND: Red-grey sandy fine to coarse angular to sub-angular GRAVEL of brick and concrete.
		0.80	ES		1.30	37.81		MADE GROUND: Dark grey very sandy SILT of pulverised fuel ash (PFA)
					1.50	36.81		Relic reeds and rootlets with humic rotting vegetation smell (RELIC TOPSOIL)
		2.00	ES		2.30	36.61		Soft to firm brown and grey mottled orange gravelly CLAY with cobbles. Gravel and cobbles are sub-rounded to sub-angular medium to coarse of Mercia Mudstone, green siltstone, mudstone (HEAD).
								End of Borehole at 2.300m

1 2 3 4

Dimensions		Trench Support and Comment			Pumping Data		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Date	Rate	Remarks

Remarks

Pit terminated in natural soils.

Appendix H: SLR Engineering logs

APPENDIX A

Ground Investigation Trial Pit Logs

TRIAL PIT LOG

TRIAL PIT No
TP1

Client:
WRAP / BRIDGEND BOROUGH COUNTY COUNCIL

Project:
BRIDGEND HOUSEHOLD WASTE RECYCLING CENTRE

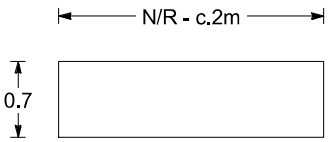
Project No:	Date:	Ground Level:	Co-ordinates:	Sheet:
402.00798.00029	10/03/14			1 of 1

SAMPLES & TESTS				Water	STRATA				Instrument/ Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION	
							(0.25) 0.25	MADE GROUND: Light brown sandy GRAVEL with cobbles of brick and burnt material. Gravel comprises fine to coarse angular limeston (Engineering Fill) with brick and metal fragments.	
0.25		HS	0ppm						
0.35		CBR	4.5%				(0.25) 0.50	MADE GROUND: Black stained orange SAND.	
		HS	0ppm					Cavity encountered containing structures which are either reinforcing bar or pipework. Cavity capped with a concrete bar, the bottom of which has been eroded away.	
								Trial Pit complete at 0.45m	
1									
2									
3									
4									

GENERAL REMARKS:
Water in cavity at 0.45m

KEY:
V = Hand Vane Shear Strength
PP = Pocket Penetrometer Shear Strength
J = Jar Sample
D = Small Disturbed Sample
B = Large Bulk Sample
HS = Head Space Measurement

Trial Pit Dimensions:



Shoring/Support: None
Stability: Stable

All dimensions in metres	Contractor :	Method: Trial Pit/trench	Logged By:	Approved By:
Scale 1:28.125	Plant:		R Harris	

SLR Consulting Ltd, 109 Pembroke Road, Bristol, BS8 3EU, Tel: 0117 906 4280, Fax: 0117 317 9535

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TRIAL PIT LOG

TRIAL PIT No
TP2

Client:
WRAP / BRIDGEND BOROUGH COUNTY COUNCIL

Project:
BRIDGEND HOUSEHOLD WASTE RECYCLING CENTRE

Project No:	Date:	Ground Level:	Co-ordinates:	Sheet:
402.00798.00029	10/03/14			1 of 1

SAMPLES & TESTS				Water	STRATA				Instrument/ Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION	
							0.01	TOPSOIL: Vegetation over dark brown-black slightly silty gravelly LOAM. Gravel comprises fine to medium angular limestone (Engineering Fill).	
							(0.39)		
0.30		HS	0ppm				0.40	TOPSOIL: Dark brown slightly gravelly LOAM with occasional cobbles. Gravel comprises fine to coarse angular limestone (Engineering Fill).	
		V	14kPa						
0.50		CBR	7%					MADE GROUND: Grey-black coarse clayey SAND.	
		HS	0ppm					0.40 - 1.30 Material could be ash-based; it leaves a residual grey smear on surfaces.	
							(0.90)		
1								1.10 Water strike. Sides become very weak and start to collapse.	
							1.30	MADE GROUND: Brown-yellow clayey SAND with occasional brick fragments.	
2									
							(3.20)		
3									
4									
							4.50		

GENERAL REMARKS:
1.1m water struck

Trial Pit complete at 4.50m

Trial Pit Dimensions:

N/R - c.2m

0.7

KEY:
V = Hand Vane Shear Strength
PP = Pocket Penetrometer Shear Strength
J = Jar Sample
D = Small Disturbed Sample
B = Large Bulk Sample
HS = Head Space Measurement

Shoring/Support: None
Stability: Unstable, sides collapsed.

All dimensions in metres	Contractor :	Method: Trial Pit/trench	Logged By:	Approved By:
Scale 1:28.125	Plant:		R Harris	

SLR Consulting Ltd, 109 Pembroke Road, Bristol, BS8 3EU, Tel: 0117 906 4280, Fax: 0117 317 9535

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TRIAL PIT LOG

TRIAL PIT No
TP3

Client:
WRAP / BRIDGEND BOROUGH COUNTY COUNCIL

Project:
BRIDGEND HOUSEHOLD WASTE RECYCLING CENTRE

Project No:	Date:	Ground Level:	Co-ordinates:	Sheet:
402.00798.00029	10/03/14			1 of 1

SAMPLES & TESTS				Water	STRATA				Instrument/ Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION	
0.20		HS V CBR	0ppm 12kPa 3%				(0.40) 0.40	MADE GROUND: Vegetation over brown slightly clayey GRAVEL, with brick cobbles. Gravel comprises fine to coarse angular to sub-angular limestone (Engineering Fill), glass and brick fragments. 0.20 Coarse angular gravel at sourthern end of pit. Extended northern end of pit to avoid in case gravel indicated services.	
1							(1.05) 1.45	MADE GROUND: Grey-black slightly clayey SAND.	
1.50		HS V	0ppm 17kPa				(0.75) 2.20	Soft light grey-brown slightly sandy CLAY. 1.60 Water strike	
2							(0.80) 3.00	Yellow, mottled grey, gravelly SAND. Gravel comprises fine to coarse rounded sandstone and mudstone. 2.50 Becoming more gravelly with depth.	
3								Trial Pit complete at 3.00m	
4									

GENERAL REMARKS:
1.6m water struck

KEY:
V = Hand Vane Shear Strength
PP = Pocket Penetrometer Shear Strength
J = Jar Sample
D = Small Disturbed Sample
B = Large Bulk Sample
HS = Head Space Measurement

Trial Pit Dimensions:
N/R - c.2m
0.7

Shoring/Support: None
Stability: Stable

All dimensions in metres	Contractor :	Method: Trial Pit/trench	Logged By:	Approved By:
Scale 1:28.125	Plant:		R Harris	

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TRIAL PIT LOG

TRIAL PIT No
TP4

Client:
WRAP / BRIDGEND BOROUGH COUNTY COUNCIL

Project:
BRIDGEND HOUSEHOLD WASTE RECYCLING CENTRE

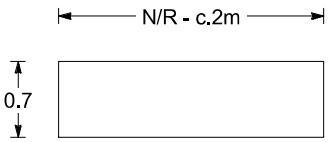
Project No:	Date:	Ground Level:	Co-ordinates:	Sheet:
402.00798.00029	10/03/14			1 of 1

SAMPLES & TESTS				Water	STRATA				Instrument/ Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION	
		V	12kPa				(0.50) 0.50	MADE GROUND: Vegetation over grey-yellow slightly gravelly SAND with occasional cobbles of brick and limestone. Gravel comprises fine to coarse angular limestone (Engineering Fill) and rounded sandstone.	
1							(1.15) 1.65	MADE GROUND: Grey-black coarse clayey SAND. 0.60 Water struck.	
2							(1.35) 3.00	MADE GROUND: Light grey-yellow mottled orange slightly sandy CLAY with rare gravels. Gravel comprises fine to medium angular brick fragments.	
3								Trial Pit complete at 3.00m	
4									

GENERAL REMARKS:
0.6m water struck.

KEY:
V = Hand Vane Shear Strength
PP = Pocket Penetrometer Shear Strength
J = Jar Sample
D = Small Disturbed Sample
B = Large Bulk Sample
HS = Head Space Measurement

Trial Pit Dimensions:



Shoring/Support: None
Stability: Very unstable - sides collapsed at gro

All dimensions in metres	Contractor :	Method: Trial Pit/trench	Logged By:	Approved By:
Scale 1:28.125	Plant:		R Harris	

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TRIAL PIT LOG

TRIAL PIT No
TP5

Client:
WRAP / BRIDGEND BOROUGH COUNTY COUNCIL

Project:
BRIDGEND HOUSEHOLD WASTE RECYCLING CENTRE

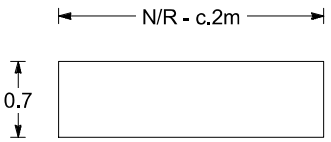
Project No:	Date:	Ground Level:	Co-ordinates:	Sheet:
402.00798.00029	10/03/14			1 of 1

SAMPLES & TESTS				Water	STRATA				Instrument/ Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION	
								Vegetation over grey, mottled orange and yellow, silty CLAY with occasional gravel. Gravel comprises fine to medium angular limestone (Engineering Fill).	
0.40		HS V CBR	0ppm 11kPa 0.5%				(1.50)	0.40 Water strike	
1								1.30 Hydrocarbon odour noted	
							1.50		
								Soft yellow-grey CLAY.	
1.70		HS V	1ppm 11kPa				(1.40)	2.00 Clay becoming firmer with depth	
2							2.90		
3								Yellow, mottled grey, gravelly SAND. Gravel comprises fine to coarse rounded sandstone and mudstone.	
3.00		HS	0ppm				(1.10)	3.50 Becoming more gravelly with depth.	
4							4.00		
								Trial Pit complete at 4.00m	

GENERAL REMARKS:
0.4m water struck.

KEY:
V = Hand Vane Shear Strength
PP = Pocket Penetrometer Shear Strength
J = Jar Sample
D = Small Disturbed Sample
B = Large Bulk Sample
HS = Head Space Measurement

Trial Pit Dimensions:



Shoring/Support: None
Stability: Unstable - sides collapsed.

All dimensions in metres	Contractor :	Method: Trial Pit/trench	Logged By:	Approved By:
Scale 1:28.125	Plant:		R Harris	

SLR Consulting Ltd, 109 Pembroke Road, Bristol, BS8 3EU, Tel: 0117 906 4280, Fax: 0117 317 9535

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APPENDIX B

Lab Investigation

SUMMARY OF GEOTECHNICAL TESTING

Sample details					Classification Tests					Density Tests		Unconfined Compressive Strength			Chemical Tests			
Borehole No	Sample No	Depth (m)	Type	Description	MC (%)	LL (%)	PL (%)	PI	<425 µm (%)	Bulk (Mg/m³)	Dry (Mg/m³)	N/A	N/A	UCS (kPa)	pH	2:1 W/S SO4 (g/L)	W/S Mg (mg/L)	Other tests and comments
TP1	1	1.00	B												7.6	0.08		
TP2	1	0.50	B												7.4	0.73		
TP2	2	1.80	B	Brown grey gravelly clayey very silty SAND														Particle Size Distribution
TP3	1	0.20	B	Brown and grey brown clayey silty GRAVEL and SAND														Particle Size Distribution
TP3	2	1.50	B	Grey mottled brown silty CLAY with rare fine sand, gypsum and rootlets	42	40	21	19	100									
TP4	2	1.80	B	Brown mottled grey and orange fine sandy very gravelly silty CLAY with rare gypsum. Gravel is fine to medium.	17	25	15	10	50						7.4	0.02		
TP5	3	3.00	B	Dark grey silty ashy sandy GRAVEL											7.4	0.03		Particle Size Distribution

Sample type: B (Bulk disturb.) BLK (Block) C (Core) D (Disturbed) LB (Large Bulk dist.) U (Undisturbed)

Checked and Approved by

JS

J Sturges (Ops Mgr)

Date: 09/04/2014

Project Number:

GEO / 21038

Project Name:

BRIDGEND HWRC

Project Number 402.00798.00029

GEOLABS

BS1377 : Part 2 : Clause 9 : 1990

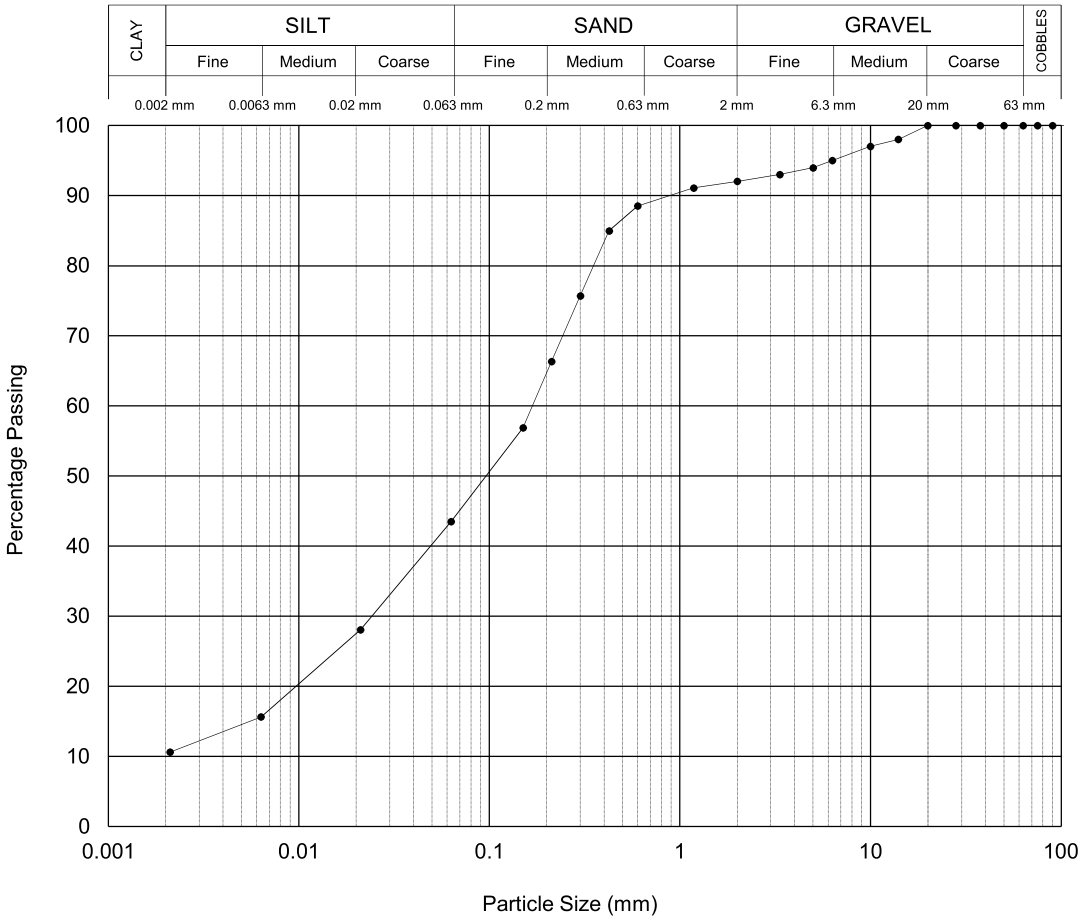
Determination of Particle Size Distribution

TP No.	TP2
Sample Ref.	2
Depth (m):	1.80

Description:
Brown grey gravelly clayey very silty SAND

BS1377 : Part 2 : Clause 9.2 : 1990 Wet Sieving Method
BS1377 : Part 2 : Clause 9.4 : 1990 Sedimentation by the Pipette Method

Sieve	
Sieve (mm)	% pass
200	100
125	100
90	100
75	100
63	100
50	100
37.5	100
28	100
20	100
14	98
10	97
6.3	95
5	94
3.35	93
2	92
1.18	91
0.6	89
0.425	85
0.3	76
0.212	66
0.15	57
0.063	44



Pipette	
P. Size (µm)	% pass
21.1	28
6.3	16
2.1	11
Preparation:	
No Pre-treatment used	

Temp (ºC)	20

Particle Proportions	
Cobbles	0.0 %
Gravel	8.0 %
Sand	48.5 %
Silt	32.9 %
Clay	10.6 %

Checked and Approved by

J Sturges (Ops Mgr)

Date: 09/04/2014

Project Number:

GEO / 21038

Project Name:

BRIDGEND HWRC
Project Number 402.00798.00029

GEOLABS

UKAS TESTING 1982

BS1377 : Part 2 : Clause 9 : 1990

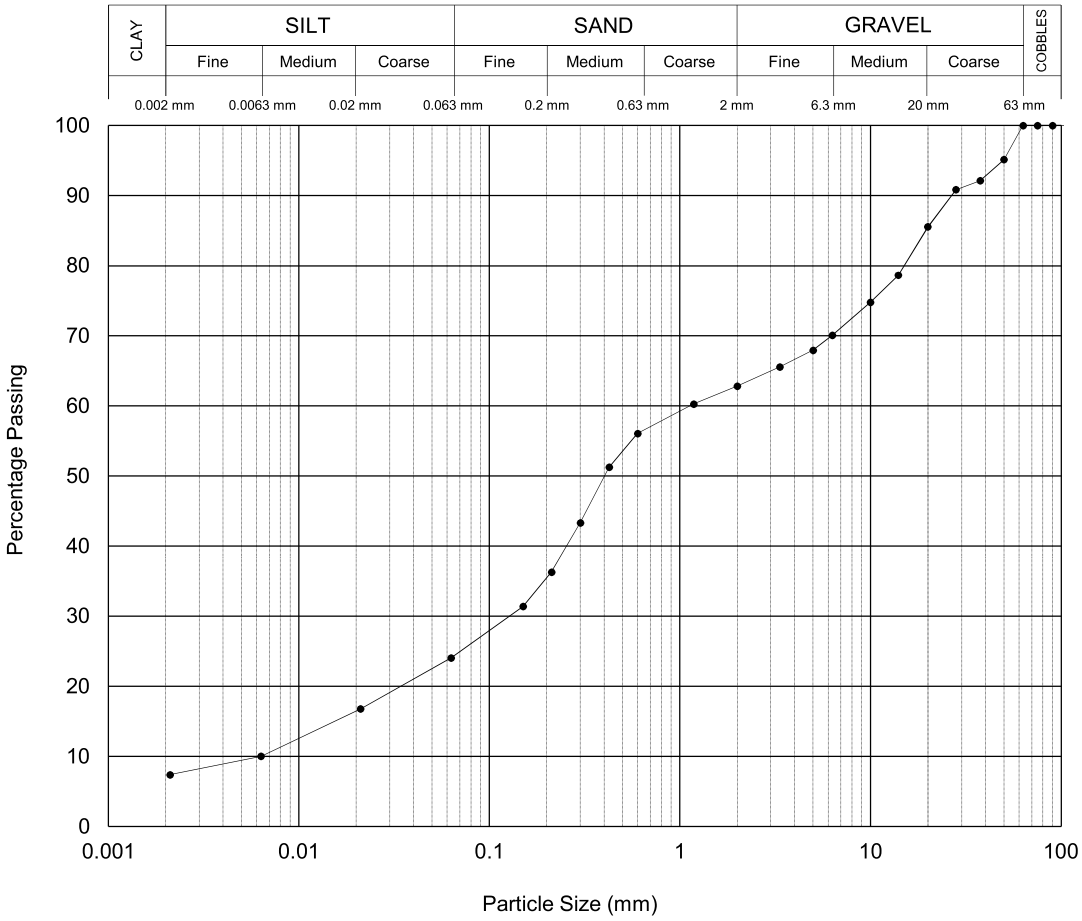
Determination of Particle Size Distribution

TP No.	TP3
Sample Ref.	1
Depth (m):	0.20

Description:
Brown and grey brown clayey silty GRAVEL and SAND

BS1377 : Part 2 : Clause 9.2 : 1990 Wet Sieving Method
BS1377 : Part 2 : Clause 9.4 : 1990 Sedimentation by the Pipette Method

Sieve	
Sieve (mm)	% pass
200	100
125	100
90	100
75	100
63	100
50	95
37.5	92
28	91
20	86
14	79
10	75
6.3	70
5	68
3.35	66
2	63
1.18	60
0.6	56
0.425	51
0.3	43
0.212	36
0.15	31
0.063	24



Pipette	
P. Size (µm)	% pass
21.1	17
6.3	10
2.1	7
Preparation:	
No Pre-treatment used	

Temp (ºC)	20

Particle Proportions	
Cobbles	0.0 %
Gravel	37.2 %
Sand	38.8 %
Silt	16.6 %
Clay	7.4 %

Checked and Approved by

J Sturges (Ops Mgr)

Date: 09/04/2014

Project Number:

GEO / 21038

Project Name:

BRIDGEND HWRC
Project Number 402.00798.00029

GEOLABS

UKAS TESTING 1982

BS1377 : Part 2 : Clause 9 : 1990

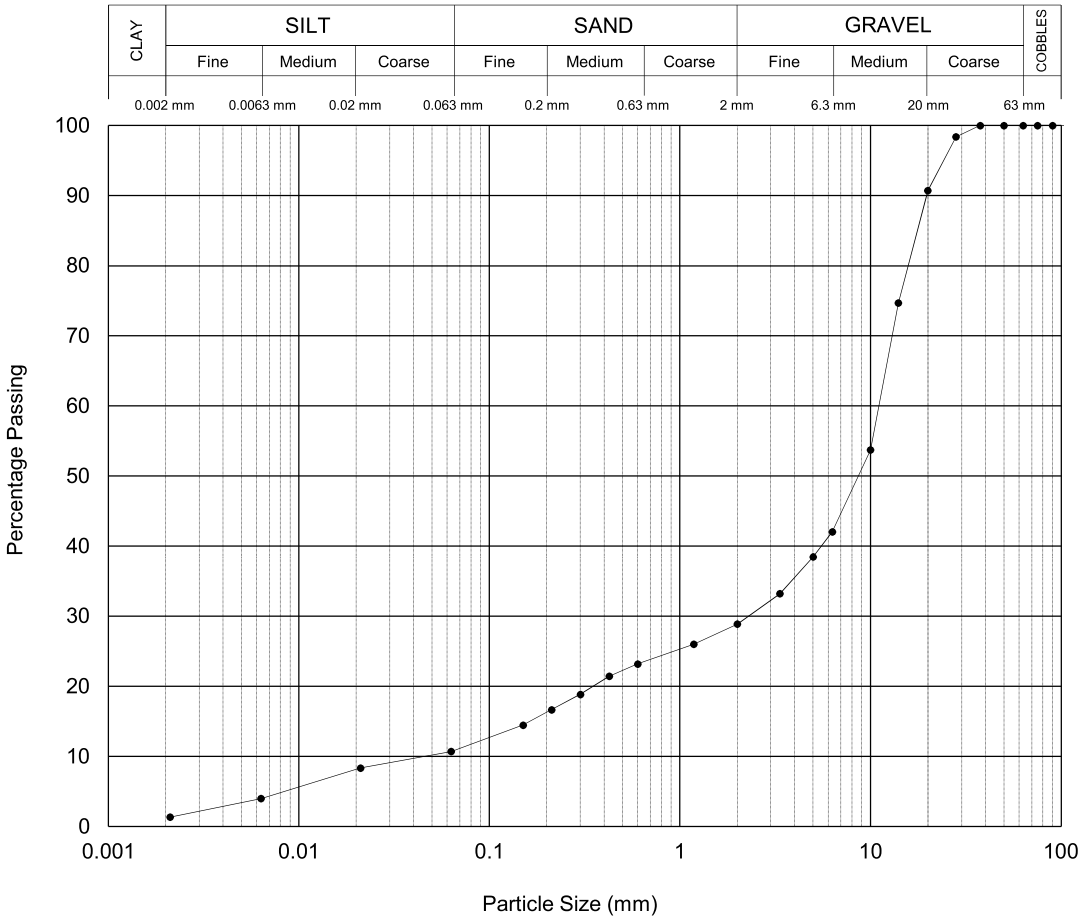
Determination of Particle Size Distribution

TP No.	TP5
Sample Ref.	3
Depth (m):	3.00

Description:
Dark grey silty ashy sandy GRAVEL

BS1377 : Part 2 : Clause 9.2 : 1990 Wet Sieving Method
BS1377 : Part 2 : Clause 9.4 : 1990 Sedimentation by the Pipette Method

Sieve	
Sieve (mm)	% pass
200	100
125	100
90	100
75	100
63	100
50	100
37.5	100
28	98
20	91
14	75
10	54
6.3	42
5	38
3.35	33
2	29
1.18	26
0.6	23
0.425	21
0.3	19
0.212	17
0.15	14
0.063	11



Pipette	
P. Size (µm)	% pass
21.1	8
6.3	4
2.1	1
Preparation:	
No Pre-treatment used	

Temp (ºC)	20

Particle Proportions	
Cobbles	0.0 %
Gravel	71.2 %
Sand	18.1 %
Silt	9.4 %
Clay	1.4 %

Checked and Approved by

J Sturges (Ops Mgr)

Date: 09/04/2014

Project Number:

GEO / 21038

Project Name:

BRIDGEND HWRC
Project Number 402.00798.00029

GEOLABS

UKAS TESTING 1982

Appendix I: CIRIA Risk Methodology

Risk classification methodology

The method of risk evaluation adopted in this document is consistent with CIRIA C552 (2001). Hence, risk is considered to be a function of both the probability (likelihood) of contamination occurring at the study site and also the potential severity (consequence) of the environmental impacts associated with this contamination.

The classification system used to define contaminant probability, consequence and risk is described in the following tables.

Table A: Classification of probability

Classification	Definition
High Likelihood	There is a contaminant linkage and an event that appears either very likely in the short term and almost inevitable over the long term, or there is evidence at the receptor of harm or pollution.
Likely	There is a contaminant linkage and all the elements are present and in the right place, which means that it is probably that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term, and likely over the long term.
Low Likelihood	There is a contaminant linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a longer period such event would take place, and is less likely in the shorter term.
Unlikely	There is contaminant linkage but circumstances are such that it is improbable that an event would occur even in the long term.

Table B: Classification of consequence

Classification	Receptor	Definition	Examples
Severe	Humans	Short-term (acute) risk to human health likely to result in “significant harm” as defined in the CTL Statutory Guidance	High concentrations of cyanide on the surface of an informal recreation area
	Controlled waters	Short-term risk of pollution (note: Water Resources Act contains no scope for considering significance of pollution) of sensitive water resource	Major spillage of contaminants from site into controlled water
	Property	Catastrophic damage to buildings/property	Explosion, causing building collapse (can also equate to an acute human health risk if buildings are occupied)
	Ecology	A short-term risk to a particular ecosystem, or organism forming part of such eco-system	Potentially long term derogation of a designated site or protected species
Medium	Humans	Chronic damage to human health (“significant harm” as defined in the CTL Statutory Guidance)	Concentrations of a contaminant from a residential site exceed the site-specific assessment criteria
	Controlled waters	Pollution of sensitive water resources (note: Water Resources Act contains no scope for considering significance of pollution)	Leaching of contaminants from a site to a principal or secondary aquifer
	Property	Significant damage to crops, buildings, structures and services	Damage to building rendering it unsafe to occupy (e.g. foundation damage resulting in instability).

Classification	Receptor	Definition	Examples
	Ecology	A significant change in a particular ecosystem	Death of a species within a designated nature reserve
Mild	Humans	Contamination present although unlikely to constitute a significant chronic health risk	Concentrations of a contaminant from a public access site moderately exceed the generic assessment criteria
	Controlled waters	Pollution of non-water resources	Pollution of non-classified groundwater
	Property	Damage to sensitive. buildings/structures/services	Aggressive ground conditions leading to potential for long term degradation of buried concrete
	Ecology	Damage to the environment	Localised damage to aquatic habitat causing temporary relocation of certain species
Minor	Humans	Non-permanent health effects to human health (easily prevented by means such as personal protective clothing etc.)	The presence of contaminants at such concentrations that protective equipment is required during site works.
	Controlled waters	Potential minor release of contamination to local water features	Short term or low volume release of potentially polluting material to a secondary surface water course of low existing quality
	Property	Easily reparable effects of damage to buildings, structures and services. Harm which may result in a financial loss, or expenditure to resolve.	The loss of plants in a landscaping scheme. Discolouration of concrete
	Ecology	Short term, localised damage may occur; consequences are spatially and temporally limited	Short term or localised disruption to in situ flora or fauna; no lasting effects

Table C: Risk classification (comparison of consequence and probability)

Probability (likelihood)		**Consequence (severity)**			
		Severe	***Medium***	***Mild***	***Minor***
	High likelihood	Very high risk	High risk	Moderate risk	Low risk
	Likely	High risk	Moderate risk	Moderate/low risk	Low risk
	Low likelihood	Moderate risk	Moderate/low risk	Low risk	Very low risk
	Unlikely	Moderate/low risk	Low risk	Very low risk	Very low risk