

Motorpark Ltd

**BALDWINS CRESCENT, CRYMLYN
BURROWS, SWANSEA**

Desk Study Report

14398/LP/24/DS/Rev A

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Motorpark Ltd

PROJECT:

Baldwins Crescent, Crymlyn Burrows,
Swansea

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Desk Study Report

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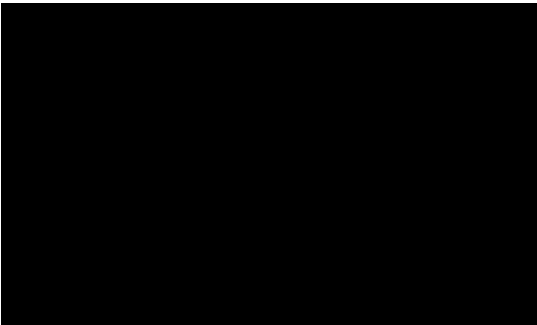
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Geotechnical Engineers:



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1.0 INTRODUCTION

1.1 GENERAL

Motorpark Ltd are proposing to redevelop a site at Baldwins Crescent in Crymlyn Burrows for commercial end-use. The site location is shown on Figure 1.

Vale Consultancy are the appointed Consulting Civil and Structural Engineers for the scheme.

Intégral Géotechnique (Wales) Limited have been appointed as the Geotechnical Engineers to undertake a geoenvironmental and geotechnical desk study of the site.

The objectives of the geoenvironmental and geotechnical appraisal are to:

- Assess the degree, nature and extent of possible contamination and its implications for ownership and site development;
- Identify any geotechnical constraints on development; and
- Provide recommendations for physical site investigation works.

This report presents the findings of the desk study, and provides guidance on the scope of the geoenvironmental and geotechnical investigation.

The opinions and preliminary assessments presented are based on desk-based research and should be reviewed after intrusive investigation, if required.

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1.2 PROPOSED DEVELOPMENT

The proposed development will comprise the construction of a row of commercial storage units comprising nine units in total. The development will include an access road and car parking areas, some of which will be paved with permeable paving.

1.2 PROPOSED DEVELOPMENT (CONTINUED)

Areas of soft landscaping will be provided around the boundaries of the site and with structural landscaping at the southern end of the building. Bioretention raingardens will be provided within the northern and southern areas of the site.

The proposed development is shown on Figure 2A.

1.3 SCOPE OF WORKS

The work instructed included a desk study of available information, together with the development of an initial conceptual site model. The desk study comprised a review of:

- An Envirocheck Report obtained for the site,
- Old Ordnance Survey maps covering the site, included within the Envirocheck Report,
- A Radon GeoReport obtained from the British Geological Survey,
- A Consultants Coal Mining Report obtained from The Coal Authority,
- Geological maps of the area provided by the British Geological Survey,
- Natural Resources Wales groundwater vulnerability map and aquifer database for the area,
- Existing site investigation data (if available).

1.4 LIMITATIONS

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

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

2.0 THE SITE

2.1 SITE LOCATION AND DESCRIPTION

The site is located off Baldwins Crescent in Crymlyn Burrows approximately 4km east of Swansea city centre at a National Grid Reference of 269460, 193130, see Figure 1.

The site is irregular in shape and occupies an area of approximately 0.19 hectares. The boundaries of the site are defined by Baldwins Crescent to the southwest and north and existing commercial premises with associated land to the east and west. A site plan is presented in Figure 2B.

The site is situated on relatively level low-lying ground at an approximate elevation of 8m AOD.

The site is currently undeveloped and covered with rough surfacing and scrub vegetation.

2.2 SITE OPERATIONS

There are no current site operations.

2.3 SURROUNDING LAND USE

The immediate surrounding areas are developed for commercial use.

2.4 AVAILABLE SITE INVESTIGATION DATA

There are available boreholes to view via the British Geological Survey which were drilled to the southwest and northeast of the site. The information from these boreholes is also presented on the geology map Sheet SS 69 SE.

Both boreholes indicated thick superficial deposits comprising mainly sand which with depth became clayey and peaty and with pebbles, shells and stones. The superficial deposits were indicated to extend to depths of between 52ft (15m) and 68ft (20m) with the superficial deposits thickening towards the coast.

2.4 AVAILABLE SITE INVESTIGATION DATA (CONTINUED)

We have been provided with a copy of a Contaminated Land Inspection Statement prepared by Neath Port Talbot County Borough Council (NPTCBC), dated 14 November 2022, which is specific to the Gower Chemicals site located to the north of the subject site.

There was a release of Freon-11 from the Gower Chemicals site into the drainage system in August 1996. Approximately 2.5 tonnes of Freon-11 was released during transfer from a bulk storage tank. The report states that during filling it was believed that one of the vapour return lines was left open allowing the chemical to enter the ground and drains. The incident was not reported to the Environment Agency or any other regulatory body.

In October 1996 two employees of Neath Port Talbot County Borough Council were undertaking maintenance works on a nearby pumping station when they were asphyxiated and died. It was later established that Freon-11 from the spillage had entered the drainage system and migrated to the pumping station chamber. Gower Chemicals were prosecuted by Welsh Water plc for an unconsented discharge.

Remediation works were carried out between 1997 and 1999 to extract Freon-11 from the soil and groundwater. The remediation included batch pumping from a remediation well. The groundwater was pumped out and treated using steam plant prior to discharge, however, NPTCBC were not involved at the time and had not received any formal notification of validation of these works.

In 2008 EWS Railway contacted NPTCBC with concerns regarding Freon-11 in the groundwater on the site. Following further site investigation works by Gower chemicals Ltd, a remediation strategy for the site was agreed with NPTCBC.

In 2009 Remediation Strategies Ltd commenced a programme of monitoring on the northern boundary to establish if the identified Freon-11 concentrations presented a risk to the Tennant Canal to the north. The majority of samples taken from the canal were below the limit of detection.

A Site Condition Report was prepared by Remediation Strategies Ltd which concluded that the shallow soils and groundwater below the site were impacted by heavy metals, TPH, PAH and VOCs from long term industrial use. Longer term monitoring and further investigation off-site identified plumes of dissolved phase VOC contamination in groundwater migrating westwards from the northern area of the site and south-eastwards (towards the subject site). The plume towards the southeast comprised dissolved phase VOCs (Freon-11) and was considered to be significant.

2.4 AVAILABLE SITE INVESTIGATION DATA (CONTINUED)

Further works were recommended, which included drilling additional boreholes, including 3 No. boreholes within the subject site, and long-term monitoring carried out.

Following further monitoring, detailed quantitative human health and controlled waters risk assessments were carried out which identified an area within the western half of the subject site that required remediation.

A remediation strategy was prepared in 2014 which concluded that a two-stage process of Targeted Pumping and Ex-Situ Treatment for stage 1 and Surfactant Injection for stage 2.

The remediation works commenced in September 2014 and operated until February 2015, when it was switched off temporarily, modified and recommissioned in April 2015, and then running until July 2015. Validation monitoring boreholes were monitored following completion of the remediation works.

A validation report was prepared by Remediation Strategies Ltd. Following discussions between Remediation Strategies Ltd, NPTCBC and NRW, it was agreed that the work undertaken to date would have reduced the risk to controlled waters. However, it was considered that there was insufficient post remediation monitoring to demonstrate a clear and significant downward trend in dissolved phase concentrations.

In 2017 Remediation Strategies Ltd submitted an updated Detailed Quantitative risk Assessment for Human Health. The report concluded that the potential risk to human health was very low, with the exception of exposure in sub floor voids or chambers. It was therefore recommended that the potential health risk associated with entry into sub surface voids and cavities on, and in the vicinity, of the site are known acute health risks and should be managed through site health and safety procedures.

NPTCBC concluded that based on the currently available information, it is unlikely that there is a significant possibility of significant harm to human health receptors as a result of the contaminant linkages and placed the site into Category 4 with regards to Human Health.

NPTCBC also considered NRW's advice with regards to pollution of controlled waters and consider that there is insufficient evidence at this time to support a robust determination and therefore the site was considered Category 3 with regards to water as there was insufficient evidence that the site could be considered Category 4.

3.0 SITE HISTORY

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

Map Scale	Dates
1:2,500	1979-1881, 1899, 1917-1919, 1941, 1968-1971
1:1,250	1964, 1964-1988, 1971, 1992, 1993-1994, 2000 (aerial photo)
1:10,560	1884, 1900, 1921, 1938-1951, 1949 (aerial photo), 1951
1:10,000	1964, 1976, 1979, 1980-1989, 1999, 2006, 2024

The earliest edition of the map dated 1879-1881 indicated that the site was rough grassland located within an undeveloped area of Crymlyn Burrows. Evidence of an excavation was indicated approximately 20m to the northwest. The Vale of Neath section of the Great Western Railway was located approximately 150m to the north of the site. Development adjacent to but beyond the railway included Burrows Works (Chemical). The High-Water Mark of Ordinary Tides was indicated approximately 210m to the south of the site.

The 1899 edition of the map indicated that the site had remained undeveloped. Carriage and Wagon Repairing Shops with associated railway lines were constructed directly to the north and northwest of the site. Crymlyn Chemical Works had significantly expanded further to the north of the site beyond the main railway line.

The 1917-1919 edition of the map indicated the site to have remained undeveloped but was no longer indicated to be rough grassland. The burrows had been reclaimed to allow for significant development in the vicinity of the site. A large industrial building with associated railway tracks had been constructed as part of the development of Kings Docks Works approximately 166m to the northeast of the site. Extensive railway tracks had also been constructed to the southwest of the site. A row of residential properties known as Baldwin's Crescent had been constructed approximately 110m to the southeast of the site.

Development continued in the vicinity of the site over the subsequent years as Kings Dock Works continued to develop. The 1941 edition of the map did not have any site coverage but the area to the east of the site was indicated to be a sports ground.

3.0 SITE HISTORY (CONTINUED)

The 1964 edition of the map indicated the Baldwins and Elba Club and Institute building had been constructed within the southern area of the site. Access into the site was from the south via a new road which bounded the site. The area to the east was indicated to be a cricket ground and a disused tennis court was located to the northwest. The road network to the southwest of the site was also now more developed. Extensive mainly commercial development continued in the vicinity of the site as the entire area continued to develop including a new depot containing multiple tanks approximately 250m to the southwest.

The 1964-1988 edition of the map indicated that the club building within the southern area of the site had been extended and reconfigured. A Packing Material Warehouse had been constructed directly to the northwest of the site. The area to the east of the site remained undeveloped. The depot to the southwest had now expanded in an easterly direction to the south of the site and was indicated to be an Oil Storage Depot.

The 1992 edition of the map indicated that the club building had been extended again. A depot had been constructed to the east of the site and the warehouse to the northwest remained unchanged. An electricity substation had been constructed adjacent to the northwest corner of the site.

The year 2000 aerial photo indicated that the building had been demolished to leave the site undeveloped and covered with rough ground. The surrounding areas remained relatively unchanged with various depots and works buildings in the vicinity of the site and with residential development along Baldwins Crescent to the southeast. By 2006 the tanks associated within the oil storage dept to the south and southwest had been removed.

The site has remained undeveloped up until the present day and was typically covered with rough surfacing and sparse vegetation. The aerial photos of the site indicated the site had been used to park cars over the years but had no specific use.

4.0 SITE ENVIRONMENTAL SETTING

4.1 PHYSICAL SETTING

The site is located within a mainly commercial setting in the western part of Swansea Gate Business Park in Crymlyn Burrows.

The site is situated on relatively level low-lying ground at an approximate elevation of 8m AOD.

4.2 GEOLOGY

The 1:50,000 and 1:10,560 scale (Sheet No. SS 69 SE) geological maps of the area indicate the site to be underlain by bedrock strata of the South Wales Middle Coal Measures Formation of the Carboniferous period. These rocks typically comprise grey productive coal-bearing mudstones/siltstones, with seatearths and minor sandstones. There are no strata dips indicated in the vicinity of the site but further to the north the strata dips are indicated to be in an approximately northerly direction at angles of up to 35°.

The north to south orientated Bethel Fault is indicated approximately 500m to the west of the site. The coal seams further to the west all terminate at the fault. There are no conjectural coal outcrops indicated in the vicinity of the site. There are conjectural coal outcrops much further to the north but due to the northerly strata dips these seams would not underlie the site.

Superficial deposits of Blown Sand of the Quaternary period are indicated to overlie the solid strata. Blown sand is typically transported by wind, or sand consisting predominantly of wind-borne particles. Available boreholes on the geology map located to the southwest and northeast of the site indicated that the superficial soils are thick and extended to depths of between 52ft (15m) and 68ft (20m). With depth the blown sands were found to become clayey and peaty and with pebbles, shells and stones.

A variable thickness of made ground is anticipated above the superficial deposits across the site. The Envirocheck Report indicated the area to be covered with artificially modified ground (landscaped ground).

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

4.2 GEOLOGY (CONTINUED)

Table 1: Summary of Anticipated Site Geology		
Geological unit	Horizon	Description
Recent	Made ground	Various materials
Quaternary	Blown Sand	Sand comprising wind-borne particles, becoming clayey and peaty with depth, with pebbles, shells and stones.
Carboniferous	South Wales Middle Coal Measures Formation	Grey productive coal-bearing mudstones/siltstones, with seatearths and minor sandstones

4.3 RADON

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

4.4 MINING

The site is located within a coal mining reporting area and therefore a Consultants Coal Mining Report has been obtained from the Coal Authority and a copy is included in Appendix C.

The Coal Authority states that there is no past mining recorded beneath the site.

The Coal Authority state that probable unrecorded workings is “none”. However, this does not mean that shallow unrecorded workings do not exist, but rather any information to support this has not come into the possession of the Coal Authority. However, based on the geology maps and the Generalised Vertical Section (GVS) there are no seams located within an influencing distance of the site. The Coal Authority Map Viewer does not indicate any recorded workings within 1km of the site boundary. The risk of shallow unrecorded workings beneath the site is considered to be low.

The Coal Authority indicate that there are no mine entries recorded within 100m of the site boundary.

4.4 MINING (CONTINUED)

The Coal Authority do not indicate any faults, fissures or breaklines within the site or within an influencing distance of the site.

The Coal Authority states that there are no managed tips recorded within 500m of the site boundary. The latest guidance published by the Welsh Government and its partners include a Mining and Coal Tip Safety document, published on the 14th November 2023, which assigns an identification number (UID), a category, and the immediate status of each disused coal tip in Wales. This document also confirms that there are no managed tips within an influencing distance of the site.

The Coal Authority states that *“The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31st October 1994”*.

“There is no current Stop Notice delaying the start of remedial works or repairs to the property”.

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

The Coal Authority states that with regards to mine gas, none has been recorded within 500m of the site boundary.

Gas evolution from coal seams and accumulated sources such as abandoned tunnels and workings cannot be discounted and will require further assessment conducted in accordance with CL:AIRE document Good Practice for Risk Assessment for Coal Mine Gas Emissions, dated October 2021.

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

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

4.4 MINING (CONTINUED)

The desk study shows that the site is not located within an area where shallow recorded or unrecorded workings would be anticipated.

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

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

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

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

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

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

Based on the information provided by the geology maps and the general knowledge of the seams in the area, the risk of unrecorded shallow workings is considered to be low. The Coal Authority interactive map indicates that the site is not located within a high-risk development area.

It is therefore concluded that the risk of ground subsidence occurring as a result of past shallow recorded or unrecorded mine workings is considered to be low. Additionally, the potential risk to the site from mine gas emissions is also considered to be low. No further specific coal mining related investigation would therefore be required.

4.5 HYDROLOGY, HYDROGEOLOGY AND FLOOD RISK

The Envirocheck report records the nearest water feature to be located 22m to the northeast of the site. The OS Water Network Lines map indicates this to be an unnamed drainage feature. The nearest named feature is the Tennant Canal located 235m to the north.

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

The Natural Resources Wales groundwater vulnerability map and aquifer database also classifies the superficial deposits beneath the site as a Secondary A Aquifer.

A perched water body could be encountered within the made ground.

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

There are two effective discharge consents recorded both on site and within 250m of the site boundary. The on-site consent is for the discharge of groundwater from a remediation borehole serving Gower Chemicals discharging to land to be received by groundwater. This consent was effective from 5th September 2014 and there is no reported revocation date. Consideration should be given to contacting the operator of the on-site discharge consent (Celtic Technologies, now Englobe) regarding the location of the borehole, its current use and whether this can be revoked and decommissioned.

Another discharge consent is recorded 199m south where a Dwr Cymru public sewage storm overflow is received by the Sea Outfall.

The Envirocheck Report states that there are no groundwater or surface water abstractions recorded within 1km of the site boundary.

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

4.5 HYDROLOGY, HYDROGEOLOGY AND FLOOD RISK (CONTINUED)**Table 2: Summary of Site Hydrology**

Feature	Distance from site	Flow	Classification	Abstraction	Discharge
Unnamed drainage feature	22m northeast	Not known	Inland river	No	Not known
Tennant Canal	235m north	North easterly	Canal	No	River Neath
Surface run-off	On site	Flows into site drainage or into site	N/A	No	Not known
Site Drainage	On site	Not known	N/A	No	Not known

Table 3: Summary of Site Hydrogeology

Geological Unit	Aquifer Classification	Aquifer Characteristics	Source Protection Zone	Groundwater Abstractions
Made ground	Not classified	Highly variable permeability and porosity. Perched water may be present with variable flow directions.	No	None
Blown Sand	Secondary A Aquifer	Variable moderate permeability and porosity with intergranular flow possible. High clay content likely to restrict flow.	No	None
South Wales Middle Coal Measures Formation	Secondary A Aquifer	Variable moderate permeability coal-bearing mudstones/siltstones and sandstones capable of supporting water supplies at a local rather than strategic scale	No	None

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

The Natural Resources Wales Flood Risk map as presented within the Envirocheck Report indicates that the site is not at risk to extreme flooding from rivers or sea without defences.

4.5 HYDROLOGY, HYDROGEOLOGY AND FLOOD RISK (CONTINUED)

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

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

4.6 LANDFILL SITES

The Envirocheck Report indicates that there are no BGS, or local authority recorded landfill sites located within 250m of the site boundary.

There is one historical landfill site located within 250m of the site boundary. The site was located 247m to the north at Jersey Marine. The site was indicated to be an arsenic tip, but no further detail is supplied. It should be noted that the proposed development is located greater than 250m from the recorded historical landfill.

There are five active licensed waste management facilities located within 250m of the site boundary. The nearest facility is located 33m to the southwest at Gower Chemicals Limited with the site categorised as Physico-chemical Treatment Facilities. A Material Recycling Treatment Facility is located 60m to the east and three waste transfer station licenses issued to Stiens Haulage Ltd 133m to the south.

There are records of two areas of potentially infilled land (water) recorded within 250m of the site boundary. The areas are located 207m and 233m south at the location of an area of reclaimed ground to the south of the high-water mark.

4.7 POTENTIAL CONTAMINATION

Previous Uses

The various activities in the vicinity of the site which may have resulted in ground or water resource contamination on this site are listed below in Tables 4 and 5. A summary of the potential contaminants can be found in the tables.

4.7 POTENTIAL CONTAMINATION (CONTINUED)

Table 4: Potential Contaminants		
Land Use: Undeveloped land until reclamation works in circa 1917		
Material/Process	Contamination/Hazard	Evidence
Undeveloped area of Crymlyn Burrows	No potential contaminants	Historical maps
Land Use: Reprofilling and reclamation works as part of the King's Dock Works development		
Material/Process	Contamination/Hazard	Evidence
Imported made ground of unknown origin associated with the reclamation works to create a development area across the burrows	Metals, semi metals, non-metals, PAH, asbestos	Historical maps
Land Use: Construction of club building by the 1960's		
Material/Process	Contamination/Hazard	Evidence
Ground disturbance and possible use of imported materials of unknown origin as part of the construction works	Metals, semi metals, non-metals, PAH, asbestos	Historical maps
Later reconfiguration and extension of the club building which would have caused more disturbance	Metals, semi metals, non-metals, PAH, asbestos	Historical maps
Building demolished and the site cleared by 2000 which would have caused more ground disturbance and may have used imported materials of unknown origin	Metals, semi metals, non-metals, PAH, asbestos	Historical maps

In addition to the above, the former release of Freon-11 from the Gower Chemicals site to the north in the drainage system should also be considered. As discussed previously evidence of Freon-11 has been identified on site within the club car park area due to a damaged drain which released the product from the drainage system into the soils and groundwater beneath the site. Even through remediation works have been undertaken the effectiveness of the remediation is unclear and therefore there is potential for Freon-11 (Trichlorofluoromethane) to still be present within the soils and groundwater below the site.

4.7 POTENTIAL CONTAMINATION (CONTINUED)

Existing Uses

The site is undeveloped. The current site uses would not add any additional contamination concerns.

Adjacent Site Uses

Table 5: Potential Contaminants : Adjacent Site Uses		
Potential Contamination Source	Boundary	Associated Contaminants and Hazards
Baldwins Crescent	South western and northern	No Potential Contaminants
Commercial development and associated land	Western and eastern	No Potential Contaminants

It should be noted that historically the surrounding areas were developed for various commercial industrial uses including railway sidings, carriage and wagon repairing shops and various works buildings. Additionally, there have been a number of recorded pollution incidents to controlled waters within the surrounding area. Potential contaminants such as petroleum hydrocarbons, volatile and semi volatile organic compounds (VOC's and SVOC's) should also be considered.

4.8 OTHER ENVIRONMENTAL ISSUES

The Envirocheck Report indicates that Crymlyn Bog located 232m to the north of the site is designated as a Ramsar Site, a Site of Special Scientific Interest and a Special Area of Conservation. There are no additional areas of environmentally sensitive land recorded within 500m of the site boundary.

There is an effective Integrated Pollution Prevention and Control in place 85m to the southeast of the site at Crymlyn Burrows Materials Recycling and Energy Centre. There are additional permits which have been superseded by this permit.

The Envirocheck Report indicates that there have been no pollution incidents to controlled waters recorded on site but one within 250m of the site boundary. A Category 1-Major Incident involving crude sewage due to a mechanical failure was recorded 33m to the northeast.

There have been no substantiated pollution incidents registered on site or recorded within 250m of the site boundary.

4.8 OTHER ENVIRONMENTAL ISSUES (CONTINUED)

There have been two historical prosecutions recorded within 500m of the site boundary. The nearest was recorded 65m to the southeast where a guilty verdict was reached and a fine issued for “failing to operate a composting unit within the guidelines of the permit conditions”. Another guilty verdict was reached for an incident recorded 432m to the east of the site. Two employees died following liquid CFC discharge into a sewer from a tanker with the valve left open.

There is one active Control of Major Accident Hazards Sites (COMAH) within 250m of the site boundary. The site is located at the acid dilution terminal within Gower Chemical Limited.

There are Planning Hazardous Substance Consents in place within 250m of the site boundary. These consents are recorded within Gower Chemicals located 28m, 37m and 108m to the northwest and within Jeremys Oil Distribution Limited located 91m to the southeast.

There are active contemporary trade directory entries within 250m which is reflective of the commercial/industrial use of the surrounding areas. The nearest entry is a road haulage services which is located 21m to the northeast. Other active entries include a fuel dealer located 128m to the south and a commercial cleaning service located 152m to the west.

There are multiple tanks indicated to be located within 250m of the site between 33m east and 139m north. There are also works buildings located 65m to the southwest. All these features are registered as Points of Interest-Manufacturing and Production.

Environmental Practical Solutions Ltd located 130m to the north at the Freightliner Depot is registered as a Point of Interest – Public Infrastructure with the site classified as waste storage, processing and disposal.

There is some scrub vegetation present within the site, but the presence of invasive plants is not known. It may be prudent to undertake a vegetation survey prior to development.

5.0 PRELIMINARY CONCEPTUAL SITE MODEL

5.1 RISK ASSESSMENT FRAMEWORK

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

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

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

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

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

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

LCRM also provides definitions of the following terms:

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

5.1 RISK ASSESSMENT FRAMEWORK (CONTINUED)

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

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

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

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

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

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

5.1 RISK ASSESSMENT FRAMEWORK (CONTINUED)

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

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

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

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

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

S4ULs have been derived for a wider number of substances.

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

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

5.2 CONCEPTUAL MODEL FRAMEWORK

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

5.2 CONCEPTUAL MODEL FRAMEWORK (CONTINUED)

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

5.3 CRITICAL SENSITIVE RECEPTOR – HUMAN HEALTH

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

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

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

5.4 CRITICAL SENSITIVE RECEPTOR – CONTROLLED WATERS

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

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

5.5 POTENTIAL CONTAMINANT SOURCES

As identified in the desk study, the site was an undeveloped part of Crymlyn Burrows prior to reclamation of the area by 1917 when industrial development extended across the previously undeveloped areas of the burrows. Developments included docks works, carriage and wagon repairing shops and a chemical works further to the north. The site itself remained undeveloped until circa 1960's when a club building was constructed within the site. The building on site was demolished by the year 2000. Consideration also needs to be given to the Gower Chemicals release of Freon-11 into the drainage system in 1996.

The potential types of contaminants of concern are listed below:

5.5 POTENTIAL CONTAMINANT SOURCES (CONTINUED)

- Metals, semi-metals, and inorganics within the shallow made ground,
- Polyaromatic hydrocarbons (PAH) within the shallow made ground
- Potential localised Petroleum Hydrocarbons (VPH/EPH) within the shallow made ground and groundwater due to adjacent site uses,
- Potential localised Volatile and Semi Volatile Organic Compounds (VOC/SVOC) within the shallow made ground and groundwater due to adjacent site uses,
- Freon-11 (Trichlorofluoromethane) within the shallow soils and groundwater,
- Asbestos within the shallow made ground.

The known presence of infilled ground should also be considered with regards to the potential for generation and migration of ground gases such as methane and carbon dioxide.

5.6 POTENTIAL EXPOSURE PATHWAYS

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

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

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

- Ground gas generation and migration
- Building materials durability

5.7 SUMMARY OF CONCEPTUAL EXPOSURE MODEL

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

5.7 SUMMARY OF CONCEPTUAL EXPOSURE MODEL (CONTINUED)

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

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

Table 6: Preliminary Conceptual Exposure Model				
Source		Receptor	Pathway	Potentially Active Pathway?
Origin	Contaminant			
Made Ground of unknown origin and historical land uses	Metals, semi-metals, non-metals, PAH, petroleum hydrocarbons, VOC/SVOC, Freon-11, asbestos	Resident – human health	Dermal Contact with made ground/dust	✓
			Ingestion of soil	✓
			Inhalation of dust	✓
			Inhalation of vapours – indoor/outdoor	✓
	Metals, semi-metals, inorganics, PAH, petroleum hydrocarbons, VOC/SVOC, Freon-11	Groundwater quality	Leaching from made ground	✓
	Metals, semi-metals, inorganics, PAH, petroleum hydrocarbons, VOC/SVOC, Freon-11	Surface water quality	Transportation within groundwater	✓
Made Ground of unknown origin and natural ground	pH and water-soluble sulphate	Building Materials Durability	Direct contact	✓
Ground and mine Gas – organic, gas producing materials present within site or adjacent to the site	Methane, carbon dioxide	Human health	Accumulation of gases in confined spaces, and/or migration off site, leading to asphyxiation, or risk of explosion	✓ Mine gas risk considered to be low. Potential for generation of ground gases due to the presence of made ground and infilled land

6.0 ANTICIPATED GROUND CONDITIONS

Based on the geological map data, historical records and available site investigation data, the following general succession of superficial deposits and underlying solid geology beneath the site is anticipated:

Recent

(Made Ground) Variable material

Quaternary

(Blown Sand) Sand comprising wind-borne particles

Carboniferous

*(South Wales
Middle Coal
Measures
Formation)* Grey productive coal-bearing mudstones/siltstones, with
seatearths and minor sandstones

A variable thickness and composition of made ground is anticipated associated with the known presence of infilled land and the construction of the building within the site. .

Available information from the geology map indicates that the superficial soils could extend to depths of between 52ft (15m) and 68ft (20m) and would typically comprise sands with depth becoming clayey and peaty with “pebbles and stones”.

The bedrock would not be encountered within any shallow excavations.

Localised seepages of perched groundwater could be encountered in pockets within the made ground. Groundwater could also be encountered within the shallow more granular superficial deposits.

7.0 SITE ASSESSMENT

7.1 ENVIRONMENTAL RISK ASSESSMENT

This assessment takes due regard of Contaminated Land Guidance issued by DEFRA and RICS. The methods used follow a risk-based approach with the potential environmental risk assessed qualitatively using the 'source-pathway-receptor' pollutant linkage concept set out in the Environment Protection Act 1990.

Although the risk presented in the following tables and above is descriptive, it is correlated to a numerical chance of occurrence. Therefore, the range and percentage chance of occurrence is given in order that the reader may assess the datum for the risk level. Although the percentage chance is quoted, this is still a subjective evaluation and is not prepared by probabilistic determination. Therefore, the chance of occurrence is a value judgement and not a numerical calculation. The evaluation is a simple qualitative risk assessment, which cannot make a judgement on the probability of occurrence or level of contamination. The latter two aspects require site specific information.

Reference to risk classifications is made according to the following definitions.

Low Risk	It is unlikely that the issue will arise as a liability/cost.
Medium Risk	It is possible that the issue could arise as a liability/cost. Further work is needed to clarify the risk and consequences.
High Risk	It is likely that the issue will arise as a liability/cost.

In consideration of the information gathered and presented in this report the following risk appraisal is considered appropriate.

Table 7: Environmental Risk Assessment		
Issue	Risk Category	Comments
<i>Site sensitivity</i>		
Sensitivity of site location	Low	Site is not within an area of sensitive land use and within an area of similar historical use
Environmental sensitivity of adjacent land uses	Low	Site situated in a mainly commercially developed area

7.1 ENVIRONMENTAL RISK ASSESSMENT (CONTINUED)

Table 7: Environmental Risk Assessment (Continued)		
Issue	Risk Category	Comments
Contamination potential		
Potential for significant on-site contamination	Medium/high	Site currently undeveloped but was developed with a club building
Potential for contaminants migrating off from the site	Medium	Potential for contaminated made ground associated with past infilling prior to construction of the club
Potential for contaminants migrating onto the site	Medium	Surrounding areas should contain made ground of similar composition
Potential for other environmental issues to give rise to liabilities	Medium	- Potential for hot spots/areas of contamination associated with past and adjacent site uses - Potential for remaining contamination associated with the release of Freon-11 from Gower Chemicals
Environmental Consequences		
Risk of pollution of controlled waters	Medium	Made ground could be variable in thickness and composition. Allowances should be made for the potential for hot spots/areas within the site
Risk of damage to future property	Medium	
Risk of harm to human health	Medium	
Business Consequences		
Risk of liability for owner	Medium	Potential for hot spots/areas of contamination associated with known infilling of the area and surrounding commercial/industrial land uses and historic pollution incidents
Likelihood of designation as Contaminated Land under EPA 1990	Medium	
Risk of site value and/or saleability being affected	Medium	
Overall Risk	Medium	

7.2 GEOTECHNICAL HAZARDS AND CONSTRAINTS

A summary of commonly occurring geotechnical hazards is given in Table 8, together with an assessment of whether the site may be affected by each of the stated hazards. This information would be required prior to any future construction works.

7.2 GEOTECHNICAL HAZARDS AND CONSTRAINTS (CONTINUED)

Table 8: Summary of Potential Geotechnical Hazards				
Issue (excluding contamination issues)	Hazard Status			Engineering considerations
	Likely to be present on site	Could be present on site	Unlikely to be present and/or affect the site	
Shrinkable clays		✓		Special requirements for foundation and floor design may be required
Filled and made ground	✓			Would require assessment followed by potential removal, encapsulation or remediation
Highly compressible and low bearing capacity soils including peat and soft clay		✓		Allowances should be made for the removal and replacement of any soft spots/areas
Silt rich soils susceptible to rapid loss of strength in wet conditions		✓		All formations should be protected from wet weather and site traffic
Adverse ground chemistry (including expansive slags, weathering of sulphides to sulphates)		✓		The nature and composition of the made ground is unknown. Allowances should be made for appropriate testing should any potentially combustible materials, such as coal, or any potentially expansive materials, such as slag, be encountered within the shallow excavations
Combustibility potential		✓		
Solution features			✓	
Evaporite dissolution features and subsidence			✓	
Ground subject to peri-glacial valley cambering with gulls present			✓	
Sudden lateral changes in ground conditions		✓		Potential for differences in founding levels between the previously developed and undeveloped areas of the site. Also, potential for variable made ground materials and variable underlying superficial soils.

7.2 GEOTECHNICAL HAZARDS AND CONSTRAINTS (CONTINUED)

Table 8: Summary of Potential Geotechnical Hazards (Continued)				
Issue (excluding contamination issues)	Hazard Status			Engineering considerations
	Likely to be present on site	Could be present on site	Unlikely to be present and/or affect the site	
Existing sub structures (e.g. foundations and pits)		✓		It is unknown whether any buried obstructions or old foundations remain from the former club building. Allowances should be made for deeper foundations within this area if significant ground disturbance is encountered
Ground subject to vibration			✓	
Underground mining (shallow)			✓	
Mine entries (shafts and adits, bell pits)			✓	
Ground subject to or at risk of coastal or river erosion			✓	
Ground subject to, or at risk from landslips or slope instability			✓	
High water table (including waterlogged ground)			✓	Waterlogged ground would not be anticipated. Any rainfall infiltrations should be dealt with using conventional pumping techniques
Culverted watercourses			✓	
Rising groundwater table due to diminishing abstraction in urban areas or cessation of deep mining			✓	

8.0 SITE INVESTIGATION PROPOSALS

Prior to redevelopment of the site, a comprehensive intrusive site investigation would be required, over the entire site, in order to facilitate a detailed technical and financial appraisal. This would enable the foundation and hardstanding design for any proposed development to be developed using specific data on the ground conditions and enable more accurate costings to be made.

Investigation works should give consideration to the following:

- Foundation design,
- Excavation stability design,
- Remediation requirements,
- Soil infiltration potential,
- Groundwater control.

In particular, the principal geoenvironmental and geotechnical issues to be addressed are:

- Foundation strata - level, strength, compressibility, and chemical characteristics,
- Presence or absence of shrinkable clays,
- The extent of any ground contamination, including potential petroleum hydrocarbons, VOC's/SVOC's, Freon-11 and/or asbestos in the ground,
- The potential for ground gas to be present beneath the site.

Investigation techniques to be adopted should include:

- Trial pits could be used to examine the shallow ground conditions and include BRE 365 compliant soil infiltration testing within selected trial pits,
- Laboratory chemical testing to determine soil chemistry to include a range of organic and inorganic contaminants, and also screening for asbestos,
- Localised additional testing for petroleum hydrocarbons, VOC's and SVOC's and Freon-11,
- Laboratory geotechnical testing to determine soil plasticity.

Further works in the form of deeper boreholes may become required if competent ground is not encountered at shallow depths or if significant made ground or organic material is encountered that would require a programme of gas monitoring. The local authority may also require a programme of gas monitoring due to the presence of infilled ground.

8.0 SITE INVESTIGATION PROPOSALS (CONTINUED)

Depending on the findings of the soil contamination testing, it may be necessary to construct groundwater monitoring standpipes and undertake a period of groundwater sampling and testing.

APPENDIX A

ENVIROCHECK REPORT

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

363640295_1_1

Customer Reference:

14398/LP

National Grid Reference:

269460, 193130

Slice:

A

Site Area (Ha):

0.19

Search Buffer (m):

1000

Site Details:

Baldwins Crescent

Crymlyn Burrows

SA1 8QB

Client Details:

MR H Pritchard

Integral Geotechnique

Integral House

7 Beddau Way

Castlegate Business Park

Caerphilly

CF83 2AX

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Data Suppliers	71
Useful Contacts	72

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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Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England. The probability result is only valid for properties above ground. All basement and cellar areas are considered to be at additional risk from high radon levels. If an underground room such as a cellar or basement makes up part of the living or working accommodation, the property should be tested regardless of Radon Affected Area status.

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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 1	2	1	3	79
Prosecutions					
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 23		10	7	4
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 27				1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 27		Yes		
Pollution Incidents to Controlled Waters	pg 28		1		6
Historical Prosecutions	pg 29		1	1	
Registered Radioactive Substances					
Substantiated Pollution Incident Register	pg 29			1	1
Water Abstractions	pg 29				(*5)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 31	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 31	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 31	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 31		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 31		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 31		10	13	28
Water Framework Directive - Catchment	pg 37			Yes	
Water Framework Directive - Groundwater	pg 37	Yes			
Water Framework Directive - Surface Waters	pg 37		Yes	Yes	Yes

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites	pg 38			1	
Historical Landfill Sites	pg 38		1	1	
Integrated Pollution Control Registered Waste Sites	pg 38		1		
Licensed Waste Management Facilities (Landfill Boundaries)	pg 38			1	
Licensed Waste Management Facilities (Locations)	pg 39		6	3	5
Local Authority Landfill Coverage		1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 42			1	1
Potentially Infilled Land (Water)	pg 42		2	1	8
Registered Landfill Sites	pg 43				2
Registered Waste Transfer Sites	pg 44			1	2
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)	pg 46		3	1	2
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)	pg 46			1	1
Planning Hazardous Substance Consents	pg 46		4		3
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 48	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 48	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 50			1	3
BGS Urban Soil Chemistry	pg 51				Yes
BGS Urban Soil Chemistry Averages	pg 52		Yes		
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 52	Yes	n/a	n/a	n/a
Mining Instability	pg 52	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards				n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 52		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 53	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 53		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards				n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 54		9	9	8
Fuel Station Entries	pg 56				1
Points of Interest - Commercial Services	pg 56		3	1	4
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 57		18	13	31
Points of Interest - Public Infrastructure	pg 62		1	4	10
Points of Interest - Recreational and Environmental	pg 63		2	2	
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves	pg 64				1
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites	pg 64		1		
Sites of Special Scientific Interest	pg 64		1		1
Special Areas of Conservation	pg 64		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 (SW)	0	1	269461 193134
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	30	1	269461 193200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	66	1	269400 193050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	144	1	269461 192950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	180	1	269461 193350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	216	1	269550 192900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	257	1	269600 193400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	313	1	269800 193200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	349	1	269600 193500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NW (S)	349	1	269400 192750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	384	1	269750 193450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	386	1	269050 193050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NE (S)	394	1	269461 192700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	406	1	269550 192700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (NE)	462	1	269750 193550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NE (S)	485	1	269650 192650
1	Discharge Consents Operator: Celtic Technologies Limited Property Type: Civil Engineering Location: Groundwater Remediation Treatment, System Serving Gower Chemicals, Limited, Crumlin Burrows, Swansea, Sa1 8pt Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Eprzb3493hk Permit Version: 1 Effective Date: 5th September 2014 Issued Date: 5th September 2014 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Into Land Environment: Receiving Water: Groundwater Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A13NE (N)	0	2	269461 193136

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: Celtic Technologies Limited Property Type: Civil Engineering Location: Groundwater Remediation Treatment, System Serving Gower Chemicals, Limited, Crumlin Burrows, Swansea, Sa1 8pt Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Zb3493hk Permit Version: 1 Effective Date: 5th September 2014 Issued Date: 5th September 2014 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A13NE (N)	0	2	269461 193136
2	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Emergency O'Flow A Crymlyn Authority: Natural Resources Wales Catchment Area: River Tawe Reference: BE0010501 Permit Version: 1 Effective Date: 8th October 1969 Issued Date: 8th October 1969 Revocation Date: 30th March 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Sea Outside of Controlled Limit Environment: Receiving Water: Sea Outfall Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A13SE (S)	199	2	269500 192900
3	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Production And Distribution Of Oil Location: Project Jonah Transit Site, Former Bp, Off Fabian Way, Swansea, Sa1 8qe Authority: Natural Resources Wales Catchment Area: Boundary Of HA 59 & HA 60 Reference: Eprep3827xv Permit Version: 1 Effective Date: 3rd December 2010 Issued Date: 3rd December 2010 Revocation Date: 22nd June 2011 Discharge Type: Trade Discharge - Process Water Discharge: Into Land Environment: Receiving Water: Groundwater Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	287	2	269299 192853
4	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Stations Location: Baldwins Crescent Sps, . Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Be0010501 Permit Version: Not Supplied Effective Date: 31st March 2010 Issued Date: 3rd February 2010 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Controlled Sea Environment: Receiving Water: Sea Outfall Status: Effective Positional Accuracy: Located by supplier to within 10m	A8NE (S)	449	2	269537 192653

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Stations Location: Baldwins Crescent Sps, . Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Be0010501 Permit Version: 2 Effective Date: 31st March 2010 Issued Date: 3rd February 2010 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Controlled Sea Environment: Receiving Water: Sea Outfall Status: Effective Positional Accuracy: Located by supplier to within 10m	A8NE (S)	449	2	269537 192653
5	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewage Disposal Works - Water Company Location: Swansea Stw Fabian Way Swansea, Fabian Way, Swansea, Wales Authority: Natural Resources Wales Catchment Area: Boundary Of HA 59 & HA 60 Reference: Bp0236601 Permit Version: 11 Effective Date: 20th February 2014 Issued Date: 20th February 2014 Revocation Date: 31st March 2015 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Saline Estuary Environment: Receiving Water: Swansea Bay (Estuarial Wtrs) Status: Varied under EPR 2010 Positional Accuracy: Manually positioned within the geographical locality	A12SE (SW)	507	2	268963 192914
5	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewage Disposal Works - Water Company Location: Swansea Stw Fabian Way Swansea, Fabian Way, Swansea, Wales Authority: Natural Resources Wales Catchment Area: Boundary Of HA 59 & HA 60 Reference: Bp0236601 Permit Version: 12 Effective Date: 1st April 2015 Issued Date: 20th February 2014 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Saline Estuary Environment: Receiving Water: Swansea Bay (Estuarial Wtrs) Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Manually positioned within the geographical locality	A12SE (SW)	507	2	268963 192914
5	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewage Disposal Works - Water Company Location: Swansea Stw Fabian Way Swansea, Fabian Way, Swansea, Wales Authority: Natural Resources Wales Catchment Area: Boundary Of HA 59 & HA 60 Reference: Bp0236601 Permit Version: 7 Effective Date: 30th April 2004 Issued Date: 30th April 2004 Revocation Date: 17th November 2005 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Saline Estuary Environment: Receiving Water: Swansea Bay (Estuarial Wtrs) Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Manually positioned to the address or location	A12SE (W)	530	2	268927 192946

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewage Disposal Works - Water Company Location: Swansea Stw Fabian Way Swansea, Fabian Way, Swansea, Wales Authority: Natural Resources Wales Catchment Area: Boundary Of HA 59 & HA 60 Reference: Bp0236601 Permit Version: 6 Effective Date: 28th November 2003 Issued Date: 28th November 2003 Revocation Date: 29th April 2004 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Saline Estuary Environment: Receiving Water: Swansea Bay (Estuarial Wtrs) Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Manually positioned to the address or location	A12SE (W)	530	2	268927 192946
6	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	612	2	268873 192859
6	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	612	2	268873 192859
6	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	612	2	268873 192859

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	612	2	268873 192859
6	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	612	2	268873 192859
6	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	612	2	268873 192859
6	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	612	2	268873 192859

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	640	2	268848 192845
6	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	640	2	268848 192845
6	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	640	2	268848 192845
6	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	640	2	268848 192845

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	640	2	268848 192845
6	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	640	2	268848 192845
6	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	640	2	268848 192845
7	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Station - Water Company Location: Temporary Increased Dis. From, Netah Port Talbot, Wales, Uk Authority: Natural Resources Wales Catchment Area: Boundary Of HA 59 & HA 60 Reference: Be0010503 Permit Version: 1 Effective Date: 8th October 1969 Issued Date: 8th October 1969 Revocation Date: 20th October 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Sea Outfall Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	665	2	269900 192600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Staions Location: Temporary Increased Dis. From, Netah Port Talbot, Wales, Uk Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: BE0010502 Permit Version: 1 Effective Date: 8th October 1969 Issued Date: 8th October 1969 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Sea Outside of Controlled Limit Environment: Receiving Water: Sea Outfall Status: Effective Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	665	2	269900 192600
7	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Pumping Staions Location: Temporary Increased Dis. From, Netah Port Talbot, Wales, Uk Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Be0010502 Permit Version: Not Supplied Effective Date: 8th October 1969 Issued Date: 8th October 1969 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Sea Outside of Controlled Limit Environment: Receiving Water: Sea Outfall Status: Effective Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	665	2	269900 192600
8	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	666	2	268826 192832
8	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	666	2	268826 192832

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	666	2	268826 192832
8	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	666	2	268826 192832
8	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	666	2	268826 192832
8	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	666	2	268826 192832

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	666	2	268826 192832
8	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	692	2	268804 192818
8	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	692	2	268804 192818
8	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	692	2	268804 192818

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	692	2	268804 192818
8	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	692	2	268804 192818
8	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	692	2	268804 192818
8	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	692	2	268804 192818

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SW (SW)	714	2	268785 192805
8	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SW (SW)	714	2	268785 192805
8	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SW (SW)	714	2	268785 192805
8	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SW (SW)	714	2	268785 192805

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SW (SW)	714	2	268785 192805
8	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SW (SW)	714	2	268785 192805
8	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A12SW (SW)	714	2	268785 192805
9	Discharge Consents Operator: Vinci Construction Uk Limited Property Type: General Construction Work Location: Swansea Bay Innovation Campus, Site Office, Elba Crescent, Crymlyn Burrows, Swansea, Sa1 8qq Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Eprmb3897tq Permit Version: 2 Effective Date: 9th May 2014 Issued Date: 9th May 2014 Revocation Date: 17th September 2014 Discharge Type: Trade Discharges - Site Drainage Discharge: Into Land Environment: Receiving Water: Groundwater Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	669	2	269961 192657

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	Discharge Consents Operator: Vinci Construction Uk Limited Property Type: General Construction Work Location: Swansea Bay Innovation Campus, Site Office, Elba Crescent, Crymlyn Burrows, Swansea, Sa1 8qq Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Eprmb3897tq Permit Version: 1 Effective Date: 2nd December 2013 Issued Date: 11th September 2013 Revocation Date: 13th May 2014 Discharge Type: Trade Discharges - Site Drainage Discharge: Into Land Environment: Receiving Water: Groundwater Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	669	2	269961 192657
10	Discharge Consents Operator: English Welsh & Scottish Railway Property Type: Railways Location: Burrows Sidings Adj Fabian Way Authority: Natural Resources Wales Catchment Area: Not Given Reference: Bf0148701 Permit Version: 1 Effective Date: 12th April 1976 Issued Date: 12th April 1976 Revocation Date: 7th July 1997 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Near Port Tennant Canal Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A12SW (W)	703	2	268730 193130
11	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	738	2	268765 192791
11	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	738	2	268765 192791

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	738	2	268765 192791
11	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	738	2	268765 192791
11	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	738	2	268765 192791
11	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	738	2	268765 192791

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	738	2	268765 192791
11	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Boreholes Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Eprlp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Into Land Environment: Receiving Water: Ground Via Boreholes Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	766	2	268742 192775
11	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Boreholes Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Eprlp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Into Land Environment: Receiving Water: Ground Via Boreholes Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	766	2	268742 192775
11	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Boreholes Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Eprlp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Into Land Environment: Receiving Water: Ground Via Boreholes Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	766	2	268742 192775

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Boreholes Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Eprlp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Into Land Environment: Receiving Water: Ground Via Boreholes Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	766	2	268742 192775
11	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Boreholes Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Eprlp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Into Land Environment: Receiving Water: Ground Via Boreholes Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	766	2	268742 192775
11	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Boreholes Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Eprlp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Into Land Environment: Receiving Water: Ground Via Boreholes Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	766	2	268742 192775
11	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Boreholes Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Eprlp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Into Land Environment: Receiving Water: Ground Via Boreholes Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	766	2	268742 192775

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	766	2	268742 192775
11	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	766	2	268742 192775
11	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	766	2	268742 192775
11	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	766	2	268742 192775

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	766	2	268742 192775
11	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	766	2	268742 192775
11	Discharge Consents Operator: Hydrock Contracting Limited Property Type: Not Supplied Location: Groundwater Remediation At Queens, Queens Dock, Swansea Port Area, Swansea, Wales, Sa1 8qp Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Lp3427gj Permit Version: 1 Effective Date: 25th March 2013 Issued Date: 25th March 2013 Revocation Date: Not Supplied Discharge Type: Groundwater - Borehole Discharge: Groundwater Environment: Receiving Water: Direct Discharge To Groundwater Via Remediation Borehole Status: Surrendered Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	766	2	268742 192775
12	Discharge Consents Operator: Vinci Construction Uk Limited Property Type: General Construction Work Location: Swansea Bay Innovation Campus, Site Office, Elba Crescent, Crymlyn Burrows, Swansea, Sa1 8qq Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Eprmb3897tq Permit Version: 2 Effective Date: 9th May 2014 Issued Date: 9th May 2014 Revocation Date: 17th September 2014 Discharge Type: Trade Discharges - Site Drainage Discharge: Into Land Environment: Receiving Water: Groundwater Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	840	2	270238 192777

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	Discharge Consents Operator: Vinci Construction Uk Limited Property Type: General Construction Work Location: Swansea Bay Innovation Campus, Site Office, Elba Crescent, Crymlyn Burrows, Swansea, Sa1 8qq Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Eprmb3897tq Permit Version: 1 Effective Date: 2nd December 2013 Issued Date: 11th September 2013 Revocation Date: 13th May 2014 Discharge Type: Trade Discharges - Site Drainage Discharge: Into Land Environment: Receiving Water: Groundwater Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	840	2	270238 192777
13	Discharge Consents Operator: South Wales Electricity Plc (Swalec) Property Type: Undefined Or Other Location: Tir John Power Stn Port Tennant (Ab, Port Tennant (Abandoned) Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Be0079001 Permit Version: 1 Effective Date: 20th December 1973 Issued Date: 20th December 1973 Revocation Date: 22nd December 1993 Discharge Type: Trade Effluent Discharge: Not Supplied Environment: Receiving Water: Unnamed Trib. Near Glan-Y-Wern Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	843	2	268900 193800
13	Discharge Consents Operator: South Wales Electricity Plc (Swalec) Property Type: Undefined Or Other Location: Tir John Power Stn Port Tennant (Ab, Port Tennant (Abandoned) Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Be0079002 Permit Version: 1 Effective Date: 20th December 1973 Issued Date: 20th December 1973 Revocation Date: 22nd December 1993 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Unnamed Trib. Near Glan-Y-Wern Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	843	2	268900 193800
13	Discharge Consents Operator: South Wales Electricity Plc (Swalec) Property Type: Undefined Or Other Location: Tir John Power Stn Port Tennant (Ab, Port Tennant (Abandoned) Authority: Natural Resources Wales Catchment Area: River Tawe Reference: Be0079003 Permit Version: 1 Effective Date: 20th December 1973 Issued Date: 20th December 1973 Revocation Date: 22nd December 1993 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Unnamed Trib. Near Glan-Y-Wern Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	843	2	268900 193800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Cso At Swansea Queen'S Docks, In Front Of '103 Fabian Way', Port Tennant, Sa1 8pa Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bp0237414 Permit Version: Not Supplied Effective Date: 22nd February 2024 Issued Date: 15th February 2024 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Estuarial Waters Of Swansea Bay Status: Effective Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	865	2	268775 192545
14	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Swo. Queens Dock (Point 92 New Authority: Natural Resources Wales Catchment Area: SWANSEA BAY Reference: BP0237414 Permit Version: 1 Effective Date: 1st January 1998 Issued Date: 12th December 1996 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Estuarial Waters Of Swansea Ba Status: Effective Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	865	2	268770 192550
14	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Swo. Queens Dock (Point 92 New Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Bp0237414 Permit Version: Not Supplied Effective Date: 1st January 1998 Issued Date: 12th December 1996 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Estuarial Waters Of Swansea Ba Status: Effective Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	865	2	268770 192550
14	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Swo. Queens Dock (Point 92 New Authority: Natural Resources Wales Catchment Area: Boundary Of HA 59 & HA 60 Reference: BP0064901 Permit Version: 4 Effective Date: 15th September 1995 Issued Date: 14th September 1995 Revocation Date: 30th November 2000 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Not Supplied Environment: Receiving Water: Swansea Bay Foreshore Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	865	2	268770 192550

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Swo. Queens Dock (Point 92 New Authority: Natural Resources Wales Catchment Area: Boundary Of HA 59 & HA 60 Reference: Bp0064901 Permit Version: 3 Effective Date: 10th May 1993 Issued Date: 10th May 1993 Revocation Date: 14th September 1995 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Not Supplied Environment: Receiving Water: Swansea Bay Foreshore Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	865	2	268770 192550
14	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Swo. Queens Dock (Point 92 New Authority: Natural Resources Wales Catchment Area: Boundary Of HA 59 & HA 60 Reference: Bp0064901 Permit Version: 2 Effective Date: 10th March 1993 Issued Date: 10th December 1992 Revocation Date: 9th May 1993 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Not Supplied Environment: Receiving Water: Swansea Bay Foreshore Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	865	2	268770 192550
14	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Swo. Queens Dock (Point 92 New Authority: Natural Resources Wales Catchment Area: Boundary Of HA 59 & HA 60 Reference: BW4104301 Permit Version: 1 Effective Date: 20th October 1989 Issued Date: 20th October 1989 Revocation Date: 10th July 2001 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Swansea Bay Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	865	2	268770 192550
15	Discharge Consents Operator: Bp Chemicals Ltd Property Type: Mineral Oil Processing Location: Queens Dock Shipping Terminal Swa, Swansea Authority: Natural Resources Wales Catchment Area: River Tawe Reference: BP0256601 Permit Version: 1 Effective Date: 2nd October 1995 Issued Date: 2nd October 1995 Revocation Date: 23rd August 2013 Discharge Type: Trade Effluent Discharge: Controlled Sea Environment: Receiving Water: Queens Dock, Shipping Terminal Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	975	2	268600 192600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	Integrated Pollution Prevention And Control Name: Neath Port Talbot Recyling Ltd Location: Crymlyn Burrows Materials Recycling And Energy Ctr, Materials Recovery And Energy, Baldwin Crescent, Crymlyn Burrows, Neath, SA1 8PZ Authority: Natural Resources Wales Permit Reference: Zp3333bj Original Permit Ref: Bj5775if Effective Date: 10th August 2004 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Manually positioned to the road within the address or location Activity Code: 5.1 A(1) (D) Activity Description: Waste Incineration; Hazardous Waste Unless Otherwise Stated Primary Activity: Y	A13SE (SE)	69	2	269512 193056
16	Integrated Pollution Prevention And Control Name: Neath Port Talbot Recyling Ltd Location: Crymlyn Burrows Materials Recycling And Energy Ctr, Materials Recovery And Energy, Baldwin Crescent, Crymlyn Burrows, Neath, SA1 8PZ Authority: Natural Resources Wales Permit Reference: Bv7320in Original Permit Ref: Bj5775if Effective Date: 5th September 2003 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Manually positioned to the road within the address or location Activity Code: 5.1 A(1) (D) Activity Description: Waste Incineration; Hazardous Waste Unless Otherwise Stated Primary Activity: Y	A13SE (SE)	69	2	269512 193056
16	Integrated Pollution Prevention And Control Name: Hlc Waste Management Services Ltd Location: Materials Recovery And Energy, Neath, SA1 8PZ Authority: Environment Agency, Welsh Region Permit Reference: Bv5297 Original Permit Ref: Bj5775 Effective Date: 14th August 2003 Status: Superseded By Variation Application Type: PPC MINOR VARIATION App. Sub Type: Not Supplied Positional Accuracy: Manually positioned to the road within the address or location Activity Code: 5.1 A(1) (D) Activity Description: Waste Incineration; Municipal Waste Greater Than 3T/Hr Primary Activity: Not Supplied	A13SE (SE)	69	3	269512 193056
16	Integrated Pollution Prevention And Control Name: Hlc Waste Management Services Ltd Location: Materials Recovery And Energy, Neath, SA1 8PZ Authority: Environment Agency, Welsh Region Permit Reference: Bu8576 Original Permit Ref: Bj5775 Effective Date: 30th June 2003 Status: Superseded By Variation Application Type: PPC MINOR VARIATION App. Sub Type: Not Supplied Positional Accuracy: Manually positioned to the road within the address or location Activity Code: 5.1 A(1) (D) Activity Description: Waste Incineration; Municipal Waste Greater Than 3T/Hr Primary Activity: Not Supplied	A13SE (SE)	69	3	269512 193056
16	Integrated Pollution Prevention And Control Name: Hlc Waste Management Services Ltd Location: Materials Recovery And Energy, Neath, SA1 8PZ Authority: Environment Agency, Welsh Region Permit Reference: Bj5775 Original Permit Ref: Bj5775 Effective Date: 9th May 2002 Status: Superseded By Variation Application Type: PPC APPLICATION App. Sub Type: Not Supplied Positional Accuracy: Manually positioned to the road within the address or location Activity Code: 5.1 A(1) (D) Activity Description: Waste Incineration; Municipal Waste Greater Than 3T/Hr Primary Activity: Not Supplied	A13SE (SE)	69	3	269512 193056

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	Integrated Pollution Prevention And Control Name: Crymlyn Burrows Location: Crymlyn Burrows Materials Recycling And Energy Ctr, Materials Recovery And Energy, Baldwin Crescent, Crymlyn Burrows, Neath, SA1 8PZ Authority: Natural Resources Wales Permit Reference: Bj5775if Original Permit Ref: Not Supplied Effective Date: 1st October 2019 Status: Effective Application Type: Bespoke App. Sub Type: Not Supplied Positional Accuracy: Manually positioned to the road within the address or location Activity Code: 0.0 Associated Process Activity Description: Not Supplied Primary Activity: N Activity Code: 5.4 PART A (1) A (II) Activity Description: Not Supplied Primary Activity: N Activity Code: 5.1 PART A (1) B) Activity Description: Not Supplied Primary Activity: Y	A13SE (SE)	85	2	269519 193038
16	Integrated Pollution Prevention And Control Name: Neath Port Talbot Recycling Ltd Location: Crymlyn Burrows Materials Recycling And Energy Ctr, Materials Recovery And Energy, Baldwin Crescent, Crymlyn Burrows, Neath, SA1 8PZ Authority: Natural Resources Wales Permit Reference: Bp3539bn Original Permit Ref: Bj5775if Effective Date: 15th November 2004 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Manually positioned to the road within the address or location Activity Code: 5.1 A(1) (D) Activity Description: Waste Incineration; Hazardous Waste Unless Otherwise Stated Primary Activity: Y	A13SE (SE)	85	2	269519 193038
16	Integrated Pollution Prevention And Control Name: Neath Port Talbot Recyling Ltd Location: Crymlyn Burrows Materials Recycling And Energy Ctr, Materials Recovery And Energy, Baldwin Crescent, Crymlyn Burrows, Neath, SA1 8PZ Authority: Natural Resources Wales Permit Reference: Bv5297ig Original Permit Ref: Bj5775if Effective Date: 14th August 2003 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Manually positioned to the road within the address or location Activity Code: 5.1 A(1) (D) Activity Description: Waste Incineration; Hazardous Waste Unless Otherwise Stated Primary Activity: Y	A13SE (SE)	85	2	269519 193038
16	Integrated Pollution Prevention And Control Name: Neath Port Talbot Recyling Ltd Location: Crymlyn Burrows Materials Recycling And Energy Ctr, Materials Recovery And Energy, Baldwin Crescent, Crymlyn Burrows, Neath, SA1 8PZ Authority: Natural Resources Wales Permit Reference: Bu8576ih Original Permit Ref: Bj5775if Effective Date: 30th June 2003 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Manually positioned to the road within the address or location Activity Code: 5.1 A(1) (D) Activity Description: Waste Incineration; Hazardous Waste Unless Otherwise Stated Primary Activity: Y	A13SE (SE)	85	2	269519 193038

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	Integrated Pollution Prevention And Control Name: Neath Port Talbot Recycling Ltd Location: Crymlyn Burrows Materials Recycling And Energy Ctr, Materials Recovery And Energy, Baldwin Crescent, Crymlyn Burrows,, NEATH, SA1 8PZ Authority: Natural Resources Wales Permit Reference: Up3838sx Original Permit Ref: Bj5775if Effective Date: 30th January 2005 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Manually positioned to the road within the address or location Activity Code: 5.1 A(1) (D) Activity Description: Waste Incineration; Hazardous Waste Unless Otherwise Stated Primary Activity: Y	A13SE (SE)	132	2	269556 193010
18	Integrated Pollution Prevention And Control Name: Neath Port Talbot (Recycling) Ltd Location: Crymlyn Burrows Materials Recycling And Energy Centre, Crymlyn Burrows, Swansea, West Glamorgan, SA1 8PZ Authority: Natural Resources Wales Permit Reference: JP3632LD Original Permit Ref: Bj5775if Effective Date: 7th August 2006 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Manually positioned to the address or location Activity Code: 5.1 A(1) (D) Activity Description: Waste Incineration; Hazardous Waste Unless Otherwise Stated Primary Activity: Y	A14NW (NE)	405	2	269846 193360
18	Integrated Pollution Prevention And Control Name: Neath Port Talbot Recycling Ltd Location: Crymlyn Burrows Materials Recycling And Energy Centre, Baldwin Crescent, Crymlyn Burrows, Neath, SA1 8PZ Authority: Natural Resources Wales Permit Reference: TP3437SR Original Permit Ref: Bj5775if Effective Date: 2nd September 2005 Status: Superseded By Variation Application Type: Variation App. Sub Type: Standard Positional Accuracy: Manually positioned to the address or location Activity Code: 5.1 A(1) (D) Activity Description: Waste Incineration; Hazardous Waste Unless Otherwise Stated Primary Activity: Y	A14NW (NE)	405	2	269846 193360
18	Integrated Pollution Prevention And Control Name: Neath Port Talbot Recycling Ltd Location: Crymlyn Burrows Materials Recycling And Energy Ctr, Materials Recovery & Energy, Crymlyn Burrows, SWANSEA, West Glamorgan, SA1 8PZ Authority: Natural Resources Wales Permit Reference: JP3736MG Original Permit Ref: Bj5775if Effective Date: 11th January 2007 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Manually positioned to the address or location Activity Code: 5.1 A(1) (D) Activity Description: Waste Incineration; Hazardous Waste Unless Otherwise Stated Primary Activity: Y	A14NW (NE)	408	2	269849 193361

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	Integrated Pollution Prevention And Control Name: Neath Port Talbot (Recycling) Ltd Location: Crymlyn Burrows Materials Recycling And Energy Ctr, Materials Recovery & Energy, Crymlyn Burrows,, SWANSEA, West Glamorgan, SA1 8PT Authority: Natural Resources Wales Permit Reference: YP3231ZE Original Permit Ref: Bj5775if Effective Date: 21st March 2013 Status: Effective Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 5.4 A(1) a) (ii) Activity Description: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Primary Activity: N Activity Code: 5.1 A(1) (B) Activity Description: THE INCINERATION OF NON-HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 3 TONNES PER HOUR. Primary Activity: Y	A14NW (NE)	409	2	269849 193362
19	Integrated Pollution Prevention And Control Name: Neath Port Talbot Recycling Ltd Location: Crymlyn Burrows Materials Recycling And Energy Ctr, Materials Recovery & Energy, Crymlyn Burrows,, SWANSEA, West Glamorgan, SA1 8PT Authority: Natural Resources Wales Permit Reference: AP3336KC Original Permit Ref: Bj5775if Effective Date: 15th November 2010 Status: Superseded By Variation Application Type: Variation App. Sub Type: Standard Positional Accuracy: Located by supplier to within 100m Activity Code: 5.1 A(1) (D) Activity Description: Waste Incineration; Hazardous Waste Unless Otherwise Stated Primary Activity: Y	A14NW (NE)	458	2	269900 193370
19	Integrated Pollution Prevention And Control Name: Neath Port Talbot Recycling Ltd Location: Crymlyn Burrows Materials Recycling And Energy Ctr, Materials Recovery & Energy, Crymlyn Burrows, SWANSEA, West Glamorgan, SA1 8PZ Authority: Natural Resources Wales Permit Reference: BP3030HV Original Permit Ref: Bj5775if Effective Date: 11th August 2010 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Located by supplier to within 100m Activity Code: 5.1 A(1) (D) Activity Description: Waste Incineration; Hazardous Waste Unless Otherwise Stated Primary Activity: Y	A14NW (NE)	458	2	269900 193370
19	Integrated Pollution Prevention And Control Name: Neath Port Talbot Recycling Ltd Location: Crymlyn Burrows Materials Recycling And Energy Ctr, Materials Recovery & Energy, Crymlyn Burrows, SWANSEA, West Glamorgan, SA1 8PZ Authority: Natural Resources Wales Permit Reference: YP3837XZ Original Permit Ref: Bj5775if Effective Date: 19th June 2008 Status: Superseded By Variation Application Type: Variation App. Sub Type: Minor Positional Accuracy: Located by supplier to within 100m Activity Code: 5.1 A(1) (D) Activity Description: Waste Incineration; Hazardous Waste Unless Otherwise Stated Primary Activity: Y	A14NW (NE)	458	2	269900 193370

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	Integrated Pollution Prevention And Control Name: Tir John Landfill Location: Wern Fawr Road, Off Fabian Way, Port Tenant, Swansea, West Glamorgan, SA1 8ln Authority: Natural Resources Wales Permit Reference: VP3935AT Original Permit Ref: Not Supplied Effective Date: 11th November 2021 Status: Effective Application Type: Bespoke App. Sub Type: Not Supplied Positional Accuracy: Manually positioned to the address or location Activity Code: 5.2 A(1) (A) Activity Description: Not Supplied Primary Activity: Y	A17SE (NW)	580	2	268987 193509
21	Integrated Pollution Prevention And Control Name: Swansea City Waste Disposal Co Ltd Location: Tir John Landfill Site, Tir John Landfill, Fabian Way, Port Tennant, West Glamorgan, SA7 9XT Authority: Natural Resources Wales Permit Reference: Cp3635pq Original Permit Ref: Cp3635pq Effective Date: Not Supplied Status: Application refused Application Type: Application App. Sub Type: New Positional Accuracy: Manually positioned to the road within the address or location Activity Code: 5.1 A(1) (A) Activity Description: Incineration Of Hazardous Waste Primary Activity: Y	A12SW (W)	676	2	268757 193078
22	Integrated Pollution Prevention And Control Name: Swansea City Waste Disposal Co Ltd Location: Tir John Landfill, Tir John Landfill, Fabian Way,Port Tennant,, Swansea, City & County Of Swansea, SA7 9XT Authority: Natural Resources Wales Permit Reference: XP3534CL Original Permit Ref: Tp3935la Effective Date: 20th December 2013 Status: Superseded By Variation Application Type: Variation App. Sub Type: Substantial Positional Accuracy: Located by supplier to within 10m Activity Code: 5.2 A(1) (A) Activity Description: Waste Landfilling; Greater Than 10 T/D With Capacity Greater Than 25,000T Excluding Inert Waste Primary Activity: Y	A12NW (NW)	767	2	268740 193450
23	Integrated Pollution Prevention And Control Name: Swansea City Waste Disposal Co Ltd Location: Tir John Landfill, Fabian Way, Port Tennant, Swansea, City & County Of Swansea, SA7 9XT Authority: Natural Resources Wales Permit Reference: TP3935LA Original Permit Ref: Tp3935la Effective Date: 12th October 2007 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Manually positioned to the address or location Activity Code: 5.2 A(1) (A) Activity Description: Waste Landfilling; Greater Than 10 T/D With Capacity Greater Than 25,000T Excluding Inert Waste Primary Activity: Y	A17SW (NW)	786	2	268745 193508
24	Local Authority Pollution Prevention and Controls Name: Visteon Automotive Systems Location: Fabian Way, Crymlyn Burrows, SWANSEA, West Glamorgan, SA1 8QJ Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/49 Dated: 16th November 1993 Process Type: Local Authority Air Pollution Control Description: PG6/23 Coating of metal and plastic Status: Authorisation has varied Positional Accuracy: Manually positioned to the address or location	A14NW (E)	615	4	270104 193148
	Nearest Surface Water Feature	A13NE (NE)	22	-	269507 193182

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Opposite Blazers Caravans, Ewloe, Crymlyn Burrows, SWANSEA Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Mechanical/Electrical Plant Failure Incident Date: 10th October 1996 Incident Reference: 30444 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Burst Incident Severity: Category 1 - Major Incident Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	33	3	269500 193200
26	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Tank Farm Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 25th June 1996 Incident Reference: 28924 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 (SW)	530	3	269000 192800
27	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: 9th February 1995 Incident Reference: 23086 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	A19SW (NE)	611	3	270001 193501
28	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Channel Next To Grass Verge , In Front Of Celtic Mowers Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: Unknown; Unnamed Ditch Incident Date: 23rd July 1998 Incident Reference: 36439 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	A14SE (E)	665	3	270150 193100
29	Pollution Incidents to Controlled Waters Property Type: Road (Lost Load) Location: Jet Garage, Fabian Way, SWANSEA Authority: Environment Agency, Welsh Region Pollutant: Miscellaneous - Fire water / Foam Note: Mechanical Failure Incident Date: 26th June 1995 Incident Reference: 24572 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	A14SE (E)	731	3	270200 193000
30	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Fabian Way, Swansea Opp, Fords Factory Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 17th February 1995 Incident Reference: 22687 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	A14SE (E)	828	3	270300 193000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	Pollution Incidents to Controlled Waters Property Type: Warehouses Location: Queens Dock, SWANSEA Authority: Environment Agency, Welsh Region Pollutant: Rubbish Note: Mechanical Failure Incident Date: 28th June 1991 Incident Reference: 903 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	877	3	268800 192500
32	Historical Prosecutions Location: Material Recovery Centre, Crymlyn Burrows, Swansea Prosecution Text: Failing to operate a composting unit within the guidelines of the permit conditions Prosecution Act: Epa90 S33(6) Hearing Date: 11th March 2005 Verdict: Guilty Fine: 4000 Costs: 4000 Positional Accuracy: Manually positioned within the geographical locality	A13SE (SE)	65	-	269510 193059
33	Historical Prosecutions Location: Crymlyn Burrows, SWANSEA, West Glamorgan, SA1 8PT Prosecution Text: ENDS Report 281 (June 1998), Two employees of Neath Council died (overcome by CFC fumes) as result of liquid CFC discharge into sewer. Tanker valve left open and 3.1 tonnes entered a drain and then a sewer. Those who died were working in the sewer. Prosecution Act: EPA90 s6(1) Hearing Date: 15th June 1998 Verdict: Guilty Fine: 100000 Costs: 33000 Positional Accuracy: Manually positioned to the road within the address or location	A14NW (E)	432	-	269900 193300
34	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 16th May 2012 Incident Reference: 991224 Water Impact: Category 4 - No Impact Air Impact: Category 3 - Minor Incident Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Other Pollutant	A13NE (E)	301	2	269790 193180
35	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 18th July 2013 Incident Reference: 1135463 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants and EffectsOther Odour	A14SW (E)	620	2	270090 193017
	Water Abstractions Operator: St Mowden Properties Plc Licence Number: 22/59/5/0007 Permit Version: 102 Location: Freemans Bund Authority: Natural Resources Wales Abstraction: Petrochemicals: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 29th July 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24NW (N)	1512	2	269880 194630

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Bp Oil Llandarcy Refinery Ltd Licence Number: 22/59/5/0007 Permit Version: 101 Location: Freemans Bund Authority: Environment Agency, Welsh Region Abstraction: Petrochemicals: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 31st March 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24NW (N)	1512	3	269880 194630
	Water Abstractions Operator: Bp Oil Llandarcy Refinery Ltd Licence Number: 22/59/5/0007 Permit Version: 100 Location: Freemans Bund Authority: Environment Agency, Welsh Region Abstraction: Petrochemicals: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Freemans Bund Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 30th June 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A24NW (N)	1512	3	269880 194630
	Water Abstractions Operator: St Mowden Properties Plc Licence Number: 22/59/5/0007 Permit Version: Not Supplied Location: Land At B P Refinery Llandarcy Authority: Natural Resources Wales Abstraction: Petrochemicals: Process Water Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 204.57 Yearly Rate (m3): 204.57 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	A24NW (N)	1512	2	269880 194630
	Water Abstractions Operator: Hawk Plant Hire Limited Licence Number: Wa/059/0001/001 Permit Version: 1 Location: Pond No.29, Lower End Of Freemans Bund Stream, Neath Authority: Environment Agency, Welsh Region Abstraction: Environmental: Make-Up or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 29 September Authorised End: 25 October Permit Start Date: 29th September 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24NW (N)	1514	3	269973 194604

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% Superficial: >90% Patchiness: Superficial Thickness: 3-10m Superficial: Low Recharge: Low	A13NE (SW)	0	2	269461 193134
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (SW)	0	2	269461 193134
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (SW)	0	2	269461 193134
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	206	2	269340 193335
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (S)	214	2	269424 192882
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (S)	216	2	269426 192880
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	224	2	269364 193368
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 113.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13NE (NE)	22	5	269507 193182
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13NE (NE)	82	5	269557 193215
38	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 7.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13NE (NE)	103	5	269577 193221

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 30.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13NE (NE)	119	5	269569 193256
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13NE (NE)	134	5	269617 193207
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 30.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13NE (NE)	147	5	269597 193267
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 282.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13NE (NE)	170	5	269651 193220
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13NE (NE)	173	5	269626 193274
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 490.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13NE (NE)	219	5	269677 193280
45	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 1475.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tennant Canal Catchment Name: Neath Primacy: 1	A13NW (N)	235	5	269365 193380
46	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 330.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tennant Canal Catchment Name: Neath Primacy: 1	A18SE (N)	348	5	269590 193502
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13SE (SE)	370	5	269791 192931

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A13SE (SE)	379	5	269770 192882
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14SW (SE)	395	5	269822 192938
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14SW (SE)	400	5	269828 192939
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14SW (SE)	400	5	269802 192891
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 123.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14SW (SE)	401	5	269804 192891
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14SW (SE)	421	5	269855 192945
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 168.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14SW (SE)	425	5	269858 192946
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 159.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18SW (N)	460	5	269344 193608
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 222.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18SW (NW)	474	5	269259 193595

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 422.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18SW (NW)	482	5	269206 193576
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 48.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14SW (SE)	497	5	269924 192916
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 79.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14SW (E)	538	5	269972 192925
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14SW (E)	566	5	270023 192982
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 71.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14SW (E)	569	5	270026 192982
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A17SE (NW)	574	5	269086 193605
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A17SE (NW)	584	5	269084 193616
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18SW (N)	597	5	269382 193758
65	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 198.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tennant Canal Catchment Name: Neath Primacy: 1	A19SW (NE)	598	5	269906 193598

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 240.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18SW (N)	598	5	269292 193737
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 168.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A17SE (NW)	598	5	269076 193628
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 175.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18SW (N)	601	5	269383 193762
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 66.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14SW (E)	607	5	270051 192940
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14SW (E)	631	5	270096 192997
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 120.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14SW (E)	635	5	270100 192998
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 120.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14SW (E)	665	5	270116 192950
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 689.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Glan-y-wern Canal Catchment Name: Tawe Primacy: 1	A18SE (NE)	673	5	269741 193793
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NE (E)	703	5	270150 193408

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 102.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A18NW (N)	754	5	269445 193923
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 991.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 2	A18NW (N)	754	5	269445 193923
77	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 2642.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tennant Canal Catchment Name: Neath Primacy: 1	A19SW (NE)	755	5	270103 193607
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 270.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14NE (E)	766	5	270209 193429
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14SE (E)	768	5	270233 192981
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 164.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A14SE (E)	790	5	270258 192988
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 613.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Neath Primacy: 1	A12NW (W)	794	5	268700 193420
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1260.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Glan-y-wern Canal Catchment Name: Tawe Primacy: 1	A18NE (N)	803	5	269527 193971
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A17NE (NW)	866	5	268903 193833

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
84	OS Water Network Lines Watercourse Form: Reservoir Watercourse Length: 98.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A17NE (NW)	870	5	268902 193836
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A17NE (NW)	959	5	268880 193932
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 50.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Tawe Primacy: 1	A17NE (NW)	963	5	268879 193936
	Water Framework Directive - Catchment Class Code: River Catchment Waterbody Name: Crymlyn Brook - HW to conf with Tennant Canal Waterbody ID: GB110059025700 Operational: Tawe Catchment: Tawe to Cadoxton Management: Tawe to Cadoxton Catchment: Tawe to Cadoxton Catchment Name: Not Supplied	A18SW (N)	345	2	269320 193480
	Water Framework Directive - Groundwater Waterbody Name: Swansea Carboniferous Coal Measures Waterbody ID: GB41002G201000 URL Address: Not Available Overall Rating: Poor Chemical Rating: Poor Quantitative: Good Measure: Good Year: 2023	A13NE (SW)	0	2	269461 193134
87	Water Framework Directive - Surface Waters Class Code: Canal Waterbody Name: Tennant Canal Waterbody ID: GB71010013 URL Address: Not Supplied Overall Rating: Moderate Chemical Rating: High Classification Year: 2023	A13NW (N)	235	2	269362 193379
88	Water Framework Directive - Surface Waters Class Code: Coastal Waterbody Name: Swansea Bay Waterbody ID: GB641008260000 URL Address: Not Supplied Overall Rating: Moderate Chemical Rating: Moderate Classification Year: 2023	A8NW (SW)	394	2	269264 192749
89	Water Framework Directive - Surface Waters Class Code: River Waterbody Name: Crymlyn Brook - HW to conf with Tennant Canal Waterbody ID: GB110059025700 URL Address: Not Supplied Overall Rating: Moderate Chemical Rating: High Classification Year: 2023	A18SE (N)	673	2	269733 193796
90	Water Framework Directive - Surface Waters Class Code: Transitional Waterbody Name: Tawe Estuary Below Barrage Incl Docks Waterbody ID: GB541005900900 URL Address: Not Supplied Overall Rating: Moderate Chemical Rating: High Classification Year: 2023	A7NW (SW)	956	2	268653 192554

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
91	BGS Recorded Landfill Sites Site Name: CEGB Tin John Power Stn Location: SWANSEA, West Glamorgan Authority: British Geological Survey, National Geoscience Information Service Ground Water: Information not available Surface Water: Information not available Geology: N/A Positional Accuracy: Positioned by the supplier Boundary Accuracy: Derived	A18SW (NW)	448	-	269271 193571
92	Historical Landfill Sites Licence Holder: Not Supplied Location: Jersey Marine Name: Aresnic Tip Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD34829 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: Not Supplied	A13NW (N)	247	2	269393 193401
93	Historical Landfill Sites Licence Holder: Not Supplied Location: Swansea, West Glamorgan Name: CEGB Tir John Power Station Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD31178 First Input Date: 23rd November 1953 Last Input Date: Not Supplied Specified Waste: Deposited Waste included Industrial and Commercial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: 1277 Other Ref: Not Supplied	A18SW (NW)	448	2	269271 193571
94	Integrated Pollution Control Registered Waste Sites Name: Hlc (Neath Port Talbot) Ltd Location: Former Freightliner Depot, Baldwin Crescent, Crymlyn Burrows, NEATH, SA1 8PZ Authority: Environment Agency, Welsh Region Permit Reference: BG3830 Dated: 29th November 1999 Process Type: IPC new application Description: 5.1 A (C) Incineration within the Waste Disposal Industry Status: Revoked - Now IPPC Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	127	3	269553 193014
95	Licensed Waste Management Facilities (Landfill Boundaries) Name: Tir John Landfill (Closed Site) Licence Number: 34011 Location: Tir John Landfill, Fabian Way, Port Tennant, Swansea, SA1 8QP Licence Holder: City And County Of Swansea Authority: Natural Resources Wales Site Category: Other Landfill Sites Taking Special Waste Max Input Rate: Not Supplied Licence Status: Transferred Issued: 30th March 1985 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A18SW (NW)	451	2	269255 193567

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
96	Licensed Waste Management Facilities (Locations) Licence Number: GP3193LE Location: Acid Dilution Terminal, Crymlyn Burrows, Swansea, West Glamorgan, SA1 8PT Operator Name: Gower Chemicals Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Physico-chemical Treatment Facilities Licence Status: Effective Issued: 21st January 2011 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	33	2	269400 193100
97	Licensed Waste Management Facilities (Locations) Licence Number: QP3398FT Location: Materials Recovery & Energy Centre, Crymlyn Burrows, Swansea, Neath Port Talbot, SA1 8PZ Operator Name: Neath Port Talbot Recycling Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Material Recycling Treatment Facilities Licence Status: Expired Issued: 9th May 2002 Last Modified: Not Supplied Expires: 9th May 2002 Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NE (E)	60	2	269549 193167
97	Licensed Waste Management Facilities (Locations) Licence Number: 34293 Location: Baldwins Crescent, Crymlyn Burrows, Swansea, SA1 8PZ Operator Name: Neath Port Talbot Recycling Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Material Recycling Treatment Facilities Licence Status: To PPC Issued: 9th May 2002 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: BJ5775IF Positional Accuracy: Located by supplier to within 10m	A13NE (E)	60	2	269549 193167
98	Licensed Waste Management Facilities (Locations) Licence Number: 900076 Location: Elba Crescent, Crymlyn Burrows, Swansea, SA1 8QQ Operator Name: Stiens Haulage Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: HCl Waste Transfer Station Licence Status: Issued Issued: 6th March 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	A13SE (S)	133	2	269470 192962

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
98	Licensed Waste Management Facilities (Locations) Licence Number: MB3193HZ Location: Stiens Skip And Recycling Facility, Elba Crescent, Crymlyn Burrows, Swansea, Neath Port Talbot, SA1 8QQ Operator Name: Stiens Haulage Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Effective Issued: 6th March 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	A13SE (S)	133	2	269470 192962
98	Licensed Waste Management Facilities (Locations) Licence Number: MB3193HZ Location: Elba Crescent, Crymlyn Burrows, Swansea, SA1 8QQ Operator Name: Stiens Haulage Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: HCI Waste Transfer Station Licence Status: Effective Issued: 6th March 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	A13SE (S)	133	2	269470 192962
99	Licensed Waste Management Facilities (Locations) Licence Number: DB3993HD Location: Kings Dock Building, Trojan Close, Crymlyn Burrows, Swansea, Neath Port Talbot, SA1 8QA Operator Name: Areera Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: WEEE treatment facility Licence Status: Effective Issued: 4th October 2022 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	A14NW (E)	349	2	269832 193232
99	Licensed Waste Management Facilities (Locations) Licence Number: 900136 Location: Kings Dock, Trojan Close, Crymlyn Burrows, Swansea, SA1 8QA Operator Name: Trojan Electronics Limited Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: WEEE treatment facility Licence Status: Issued Issued: 4th March 2015 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	A14NW (E)	349	2	269832 193232

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
100	Licensed Waste Management Facilities (Locations) Licence Number: 34081 Location: Crymlyn Burrows, Swansea, SA1 8PT Operator Name: Gower Chemicals Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Surrendered Issued: 15th November 1993 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 14th October 2003 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14NW (E)	432	2	269900 193300
101	Licensed Waste Management Facilities (Locations) Licence Number: TB3797TM Location: Swansea, SA1 7HG Operator Name: City and County of Swansea Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Effective Issued: 2nd July 2015 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	758	2	268779 193512
101	Licensed Waste Management Facilities (Locations) Licence Number: TB3797TM Location: Swansea, SA1 7HG Operator Name: City and County of Swansea Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Effective Issued: 2nd July 2015 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	758	2	268779 193512
101	Licensed Waste Management Facilities (Locations) Licence Number: KP3797TM Location: Tir John Civic Amenity Site, Tir John Landfill, Dinam Road, Bonymaen, Swansea, Swansea, SA1 7HG Operator Name: City And County Of Swansea Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Expired Issued: 30th March 1996 Last Modified: Not Supplied Expires: 9th July 2013 Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	758	2	268779 193512

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
101	Licensed Waste Management Facilities (Locations) Licence Number: 34131 Location: Tir John Landfill, Dinam Road, Bonymaen, Swansea, SA1 7HG Operator Name: City And County Of Swansea Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Transferred Issued: 30th March 1996 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	758	2	268779 193512
102	Licensed Waste Management Facilities (Locations) Licence Number: JB3597TN Location: Tir John Landfill, Fabian Way, Port Tennant, Swansea, SA1 8QP Operator Name: City and County of Swansea Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Other Landfill Sites Taking Special Waste Licence Status: Effective Issued: 15th August 2018 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	A12NW (NW)	765	2	268747 193461
	Local Authority Landfill Coverage Name: Neath Port Talbot County Borough Council - Has supplied landfill data		0	4	269461 193134
	Local Authority Landfill Coverage Name: City and County of Swansea - Has no landfill data to supply		89	6	269350 193143
103	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A18SE (NE)	332	-	269621 193474
104	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A17SW (NW)	956	-	268697 193748
105	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A13SW (S)	207	-	269439 192888
106	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13SE (S)	233	-	269513 192868
107	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A13SE (E)	314	-	269774 193035
108	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A12SE (W)	631	-	268804 193053
109	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A18SW (N)	658	-	269263 193792
110	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A17SE (NW)	715	-	268941 193663
111	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A17SE (NW)	769	-	268795 193562
112	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A18NW (N)	794	-	269202 193916

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
113	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A18NW (N)	884	-	269283 194030
114	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A19SE (NE)	897	-	270231 193672
115	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A19SE (NE)	899	-	270216 193696
116	Registered Landfill Sites Licence Holder: Swansea D.C. City Of Licence Reference: L1/21 A & B Site Location: Tir John Tip, Crymlyn Bog, Swansea, West Glamorgan Licence Easting: 269000 Licence Northing: 193600 Operator Location: The Guildhall, SWANSEA, West Glamorgan, SA1 4PE Authority: Environment Agency Wales, South West Area Site Category: Landfill Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Record supersededSuperseded Dated: 1st May 1987 Preceded By: Not Given Licence: Superseded By: L1/21 Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Household, Baled Waste Inert Materials For Engineering Purposes Max.Waste From Fees/Charges Prohibited Waste: Septic Tank/Cess Pit Contents Special Wastes (As In S17 1980) Waste N.O.S.	A17SE (NW)	629	3	269000 193600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
117	Registered Landfill Sites Licence Holder: Swansea Waste Disposal Co Ltd Licence Reference: L1/21 Site Location: Tir John Landfill, Fabian Way, Port Tennant, SWANSEA, West Glamorgan, SA7 9XT Licence Easting: 269300 Licence Northing: 193800 Operator Location: Ferryboat Close, Swansea Enterprise Zone, SWANSEA, West Glamorgan, SA6 8QN Authority: Environment Agency Wales, South West Area Site Category: Landfill Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Operational as far as is knownOperational Dated: 31st July 2000 Preceded By: L1/21 A & B Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Degradable Commercialwaste (As In Post'98 E.A.Lics & Equivalent To 22.09.02) Degradable Household Waste (As In Post'98 E.A.Lics & Equivalent To 22.09.01) Degradable Industrial Waste (As In Post'98 E.A.Lics & Equivalent To 22.09.03) Inert Materials (As In Post'98 E.A.Lics And Equivalent To 21.00.00) Maximum Waste Permitted By Licence Metal Waste/Scrap Metal (As In Post'98 E.A.Lics And Equivalent To 23.00.00) Prohibited Waste: Liquid Waste - Except Gulley Sucker Waste Material With Any Haz.Code (H1, H2, H3a,H3b,H4,H5,H6,H7,H8,H9,H10,H11,H12,H13,H14) Other Waste/Waste Not Otherwise Specified Powders Special Waste (As In Epa 1990:S62 Of 1996 Regs) - Except For Waste In Sealed Drums Environment Agency Animal Carcasses must give specific authorisation for this waste to be acceptedWaste requires prior approval Any Waste In Cat.2 Of Working Plan Bonded Asbestos (Solid Asbestos Materials) Bulk Loads Of Plasterboard Contaminated Soil Gulley Emptyings (Liquids/Sludge) Road Sweepings (Liquids/Sludge) Sewage Sludge Shot Blasting Grit The Following Specifically Assessed Difficult Wastes	A18SW (N)	656	3	269300 193800
118	Registered Waste Transfer Sites Licence Holder: Gower Chemicals Ltd Licence Reference: NBWD 6 Site Location: Crymlyn Burrows, SWANSEA, West Glamorgan, SA1 8PT 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: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 15th November 1993 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Ferric Chloride Max.Stor Prohibited Waste: Elemental Sodium/Potassium Metal In Fine Powder Form Percussive/Explosive/Similar Waste Special Wastes N.O.S. Sub'S Control. Radioactive Subs Act'60 Waste Cont. Flam.Solvent (Exc.Petrol) Waste N.O.S.	A14NW (E)	432	3	269900 193300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
119	Registered Waste Transfer Sites Licence Holder: Swansea City Waste Disposal Co Ltd Licence Reference: SWW 147L Site Location: Crymlyn C.A.Site, Dinam Road, Crymlyn, Swansea, West Glamorgan Operator Location: Ferryboat Close, Enterprise Zone, SWANSEA, West Glamorgan, SA6 8QN Authority: Environment Agency Wales, South West Area Site Category: Civic Amenity Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 30th March 1996 Preceded By: . Licence: Superseded By: Not Given Licence: Positional Accuracy: Approximate location provided by supplier Boundary Quality: Not Supplied Authorised Waste: Approx.Throughput In Licence Application General Household Waste Prohibited Waste: Percussive/Explosive/Similar Waste Spec.Waste (Epa'90:S62/1996 Regs) Except Car Batteries & Lpg Cylinders Sub'S Control. Radioactive Subs Act'60 Waste N.O.S.	A17SE (NW)	785	3	268800 193600
119	Registered Waste Transfer Sites Licence Holder: Swansea City Concl Licence Reference: . Site Location: Crymlyn C.A.Site, Dinam Road, Crymlyn, Swansea, West Glamorgan Operator Location: The Guildhall, SWANSEA, West Glamorgan, SA1 4PE Authority: Environment Agency Wales, South West Area Site Category: Civic Amenity Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Licence Status: Record supersededSuperseded Dated: Not Supplied Preceded By: Not Given Licence: Superseded By: SWW 147L Licence: Positional Accuracy: Approximate location provided by supplier Boundary Quality: Not Supplied Authorised Waste: Household Waste Only Draft Licence To Hand Prohibited Waste: Percussive/Explosive/Similar Waste Special Wastes (As In '96 Regs) N.O.S Sub'S Control. Radioactive Subs Act'60 Waste N.O.S.	A17SE (NW)	785	3	268800 193600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
120	Control of Major Accident Hazards Sites (COMAH) Name: Gower Chemicals Ltd Location: Acid Dilution Terminal, Crymlyn Burrows, Swansea, SA1 8PT Reference: Not Supplied Type: Lower Tier Status: Record Ceased To Be Supplied Under COMAH Regulations Positional Accuracy: Automatically positioned to the address	A13NW (NW)	28	7	269427 193176
120	Control of Major Accident Hazards Sites (COMAH) Name: Gower Chemicals Limited Location: Acid Dilution Terminal, Crymlyn Burrows, Swansea, SA1 8PT Reference: Not Supplied Type: Lower Tier Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (NW)	28	7	269427 193176
121	Control of Major Accident Hazards Sites (COMAH) Name: Shell Direct Location: Elba Crescent, Crymlyn Burrows, SWANSEA, West Glamorgan, SA1 8PR Reference: Not Supplied Type: Lower Tier Status: Record Ceased To Be Supplied Under COMAH Regulations Positional Accuracy: Automatically positioned to the address	A13NE (E)	87	7	269575 193180
122	Control of Major Accident Hazards Sites (COMAH) Name: Jeremys Oil Distributors Limited Location: Bottled Gas, Elba Crescent, Crymlyn Burrows, SWANSEA, SA Reference: Not Supplied Type: Lower Tier Status: Record Ceased To Be Supplied Under COMAH Regulations Positional Accuracy: Manually positioned to the address or location	A13SW (W)	285	7	269150 193070
123	Control of Major Accident Hazards Sites (COMAH) Name: Ford Motor Co Location: Fabian Way, Crymlyn Burrows, Swansea, SA1 8QJ Reference: Not Supplied Type: Lower Tier Status: Record Ceased To Be Supplied Under COMAH Regulations Positional Accuracy: Automatically positioned to the address	A14NE (E)	814	7	270287 193330
124	Control of Major Accident Hazards Sites (COMAH) Name: Bp Chemicals Ltd Location: Queens Dock, SWANSEA, West Glamorgan, SA1 8QR Reference: 1286 Type: Upper Tier Status: Record Ceased To Be Supplied Under COMAH Regulations Positional Accuracy: Automatically positioned to the address	A12SW (W)	866	7	268605 192850
125	Notification of Installations Handling Hazardous Substances (NIHHS) Name: Jeremys Oil Distributors Ltd.Bottled Gas Location: Bottled Gas, Elba Crescent, Crymlyn Burrows, SWANSEA, SA Status: Not Active Positional Accuracy: Manually positioned to the address or location	A13SW (W)	285	7	269150 193065
126	Notification of Installations Handling Hazardous Substances (NIHHS) Name: B P Oil Limited Location: Queens Dock, SWANSEA, West Glamorgan, SA1 8QR Status: Not Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	868	7	268605 192845
127	Planning Hazardous Substance Consents Name: Gower Chemicals Limited Location: Crymlyn Burrows Industrial Estate, Access Road, Crymlyn, Burrows, Swansea, Sa1 8pt Authority: City and County of Swansea, Planning Department Application Ref: 2015/0876 Hazardous Substance: Part B, Highly Reactive and Explosive Substance, 2,2-Dihydroperoxypropane (>30%), where amount held is greater than or equal to 5 tonnes Maximum Quantity: 150 Application date: 22nd April 2015 Decision: Deemed Consent GrantedGranted Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	28	8	269427 193176
127	Planning Hazardous Substance Consents Name: Gower Chemicals Location: Crymlyn Burrows, NEATH, Mid Glamorgan, SA1 8PT Authority: Neath Port Talbot County Borough Council, Planning Department Application Ref: 02/0461 Hazardous Substance: Combination of Dangerous Substances Maximum Quantity: 0 Application date: Not Supplied Decision: Deemed Consent GrantedGranted Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	37	9	269419 193181

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
128	Planning Hazardous Substance Consents Name: Jeremys Oil Distribution Ltd Location: Elba Crescent, Crymlyn Burrows, NEATH, West Glamorgan, SA Authority: Neath Port Talbot County Borough Council, Planning Department Application Ref: PHS 002 Hazardous Substance: Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not) Maximum Quantity: 0 Application date: Not Supplied Decision: Deemed Consent Granted Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	91	9	269520 193031
129	Planning Hazardous Substance Consents Name: Gower Chemicals Limited Location: Crymlyn Burrows Industrial Estate Access Road, Crymlyn Burrows, Swansea, Neath Port Talbot, SA1 8pt Authority: Neath Port Talbot County Borough Council, Planning Department Application Ref: P2015/0273 Hazardous Substance: Part B, Highly Reactive and Explosive Substance, Peracetic acid (>60%), where amount held is greater than or equal to 5 tonnes Maximum Quantity: 150 Application date: 18th April 2015 Decision: Deemed Consent Granted Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	108	9	269363 193224
130	Planning Hazardous Substance Consents Name: Former Shell Oil Depot Location: Elba Crescent, Crymlyn Burrows, Port Talbot, SA1 Authority: Neath Port Talbot County Borough Council, Planning Department Application Ref: 04/813 Hazardous Substance: Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not) Maximum Quantity: 0 Application date: Not Supplied Decision: Deemed Consent Granted Positional Accuracy: Manually positioned to the road within the address or location	A14SE (E)	688	9	270166 193048
131	Planning Hazardous Substance Consents Name: B P Chemicals Baglan Bay Location: BP Oil, Queens Dock, SWANSEA, West Glamorgan, SA1 8QR Authority: City and County of Swansea, Planning Department Application Ref: Haz (Sec 11)/1 Hazardous Substance: Part C, Flammable Substance (Not in Parts A&B), All other liquid or liquids with flashpoint less than 21C, where amount held is >= 10,000 tonnes Maximum Quantity: 210000 Application date: Not Supplied Decision: Deemed Consent Granted Positional Accuracy: Manually positioned to the road within the address or location	A12SW (W)	866	8	268605 192851
131	Planning Hazardous Substance Consents Name: British Petroleum Co Plc Location: BP Oil, Queens Dock, SWANSEA, West Glamorgan, SA1 8QR Authority: City and County of Swansea, Planning Department Application Ref: Haz (Sec 11)/1 Hazardous Substance: Part C, Flammable Substance (Not in Parts A&B), Liquefied petroleum gas held at >1.4 bar where amount held is greater than or equal to 25 tonnes Maximum Quantity: 11400 Application date: Not Supplied Decision: Deemed Consent Granted Positional Accuracy: Manually positioned within the geographical locality	A12SW (W)	869	8	268604 192845

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Pennine Middle Coal Measures Formation And South Wales Middle Coal Measures Formation (Undifferentiated)	A13NE (SW)	0	1	269461 193134
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NE (SW)	0	1	269461 193134
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NE (N)	50	1	269462 193220
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 35 - 45 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A13NW (NW)	273	1	269342 193411
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 35 - 45 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A13SW (SW)	325	1	269206 192874
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A8NW (S)	398	1	269394 192701
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A12SE (W)	558	1	268885 193000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NW (SE)	739	1	269965 192559
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A7NE (SW)	745	1	269000 192500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SW (NW)	768	1	268780 193536
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium 3.0 - 6.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18NE (N)	830	1	269461 194000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 45 - 60 mg/kg Concentration: Cadmium 3.0 - 6.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NE (N)	880	1	269655 194033
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12SW (W)	938	1	268500 193000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 45 - 60 mg/kg Concentration: Cadmium 3.0 - 6.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19NW (N)	969	1	269804 194085
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 45 - 60 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19NW (NE)	970	1	270072 193943
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A7NW (SW)	982	1	268661 192500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 35 - 45 mg/kg Concentration: Cadmium 3.0 - 6.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NE (N)	994	1	269798 194114
132	BGS Recorded Mineral Sites Site Name: Halfway House Sand Pit Location: Swansea, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156440 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Blown Sand Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	366	1	269663 193491
133	BGS Recorded Mineral Sites Site Name: Tir John Mine Location: Port Tennant, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 58271 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Penlan Coal, Rhonda Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	873	1	268705 193615

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
134	BGS Recorded Mineral Sites Site Name: Tir John Mine Location: Port Tennant, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 58272 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Penlan Coal, Rhonda Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	959	1	268690 193745
135	BGS Recorded Mineral Sites Site Name: Tir John North Road Location: Port Tennant, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 58269 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rhondda Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	993	1	268570 193620
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 270050, 193140 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 16.70 mg/kg Concentration: Cadmium Measured 0.90 mg/kg Concentration: Chromium Measured 36.40 mg/kg Concentration: Lead Measured 90.80 mg/kg Concentration: Nickel Measured 15.60 mg/kg Concentration:	A14NW (E)	562	1	270050 193140
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 268740, 193210 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 26.50 mg/kg Concentration: Cadmium Measured 0.90 mg/kg Concentration: Chromium Measured 57.10 mg/kg Concentration: Lead Measured 195.00 mg/kg Concentration: Nickel Measured 24.20 mg/kg Concentration:	A12NW (W)	700	1	268740 193210
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 268810, 192650 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured 17.90 mg/kg Concentration: Cadmium Measured 1.10 mg/kg Concentration: Chromium Measured 36.80 mg/kg Concentration: Lead Measured 106.60 mg/kg Concentration: Nickel Measured 13.70 mg/kg Concentration:	A7NE (SW)	772	1	268810 192650

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 268750, 193740 Soil Sample Type: Topsoil Sample Area: Swansea Arsenic Measured Concentration: 35.50 mg/kg Cadmium Measured Concentration: 9.20 mg/kg Chromium Measured Concentration: 58.50 mg/kg Lead Measured Concentration: 353.00 mg/kg Nickel Measured Concentration: 52.10 mg/kg	A17SW (NW)	909	1	268750 193740
	BGS Urban Soil Chemistry Averages Source: British Geological Survey, National Geoscience Information Service Sample Area: Swansea Count Id: 368 Arsenic Minimum Concentration: 8.00 mg/kg Arsenic Average Concentration: 79.00 mg/kg Arsenic Maximum Concentration: 2161.00 mg/kg Cadmium Minimum Concentration: 0.10 mg/kg Cadmium Average Concentration: 2.90 mg/kg Cadmium Maximum Concentration: 61.90 mg/kg Chromium Minimum Concentration: 13.00 mg/kg Chromium Average Concentration: 72.00 mg/kg Chromium Maximum Concentration: 562.00 mg/kg Lead Minimum Concentration: 23.00 mg/kg Lead Average Concentration: 413.00 mg/kg Lead Maximum Concentration: 10000.00 mg/kg Nickel Minimum Concentration: 8.00 mg/kg Nickel Average Concentration: 52.00 mg/kg Nickel Maximum Concentration: 384.00 mg/kg	A13NE (E)	11	1	269500 193134
	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 (SW)	0	10	269461 193134
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NE (SW)	0	-	269461 193134
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	269461 193134
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	269461 193134
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	6	1	269454 193168
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	173	1	269419 193332
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	239	1	269365 193385

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Compressible Ground Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	247	1	269435 193411
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	269461 193134
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	269461 193134
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	269461 193134
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	6	1	269454 193168
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	105	1	269544 193033
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	173	1	269419 193332
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	269461 193134
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	269461 193134
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	269461 193134

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
136	Contemporary Trade Directory Entries Name: A T Morgan & Son Location: Unit 1, Shell Oil Terminal, Elba Crescent, Crymlyn Burrows, Swansea, SA1 8QQ Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	21	-	269510 193167
137	Contemporary Trade Directory Entries Name: Gower Chemicals Ltd Location: Crymlyn Burrows, Swansea, SA1 8PT Classification: Chemicals - Distributors & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	28	-	269427 193176
138	Contemporary Trade Directory Entries Name: Lloyds British Testing Location: Chain Works, Fabian Way, Crymlyn Burrows, Swansea, West Glamorgan, SA1 8PX Classification: Lifting Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	73	-	269364 193083
139	Contemporary Trade Directory Entries Name: Blazers Caravan Co Ltd Location: Elba Crescent, Crymlyn Burrows, Swansea, West Glamorgan, SA1 8QQ Classification: Caravan Dealers & Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (S)	118	-	269513 192992
139	Contemporary Trade Directory Entries Name: E N Bater & Sons Location: Baldwins Crescent, Crymlyn Burrows, Swansea, SA1 8QE Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (S)	119	-	269468 192976
139	Contemporary Trade Directory Entries Name: C C Car Sales & Repairs Location: Palm Court, Fabian Way, Crymlyn Burrows, Swansea, SA1 8QB Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (S)	126	-	269490 192973
139	Contemporary Trade Directory Entries Name: Rover Centre The Location: Elba Cres, Crymlyn Burrows, Swansea, West Glamorgan, SA1 8QQ Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13SE (S)	127	-	269490 192972
139	Contemporary Trade Directory Entries Name: Bresnans Location: Pavilion Garage, Elba Crescent, Crymlyn Burrows, Swansea, West Glamorgan, SA1 8QQ Classification: Fuel Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (S)	128	-	269472 192967
140	Contemporary Trade Directory Entries Name: Ov Star Professional Cleaning Service Location: Unit 6, Fabian Way, Crymlyn Burrows, Swansea, West Glamorgan, SA1 8PX Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Manually positioned within the geographical locality	A13SW (W)	152	-	269283 193078
141	Contemporary Trade Directory Entries Name: Unit Birwelco Location: Unit House, Elba Business Park, Baldwins Crescent, Crymlyn Burrows, Swansea, SA1 8QE Classification: Mechanical Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (E)	252	-	269716 193060
141	Contemporary Trade Directory Entries Name: Unit Birwelco Location: Unit House, Elbar Business Park, Crymlyn Burrows, Swansea, West Glamorgan, SA1 8QE Classification: Engineers - General Status: Active Positional Accuracy: Manually positioned to the address or location	A13SE (E)	252	-	269716 193060

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
141	Contemporary Trade Directory Entries Name: Stitch In Style Location: Unit House, Elba Business Park, Baldwins Crescent, Crymlyn Burrows, Swansea, SA1 8QE Classification: Soft Furnishings - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (E)	252	-	269716 193060
141	Contemporary Trade Directory Entries Name: Unit Superheater Engineering Ltd Location: Elba Business Park, Baldwins Crescent, Crymlyn Burrows, Swansea, SA1 8QE Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (E)	265	-	269721 193035
142	Contemporary Trade Directory Entries Name: Four Counties Location: Queens Buildings, Fabian Way, Crymlyn Burrows, Swansea, SA1 8QB Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (W)	285	-	269149 193074
143	Contemporary Trade Directory Entries Name: Swansea Bay Commercials Location: Crymlyn Burrows, Swansea, West Glamorgan, SA1 8QQ Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A13SE (SE)	342	-	269787 192990
144	Contemporary Trade Directory Entries Name: Swansea Coach Works S E Ltd Location: Fabian Way, Crymlyn Burrows, Swansea, West Glamorgan, SA1 8QA Classification: Commercial Vehicle Manufacturers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A14NW (E)	356	-	269839 193235
145	Contemporary Trade Directory Entries Name: D J Davies Fuels Location: Old Shell Terminal, Elba Crescent, Crymlyn Burrows, Swansea, West Glamorgan, SA1 8QQ Classification: Coal & Smokeless Fuel Merchants & Distributors Status: Active Positional Accuracy: Manually positioned within the geographical locality	A14SW (E)	471	-	269922 192983
145	Contemporary Trade Directory Entries Name: D J Davies Fuels Location: Unit 1 Shell Oil Terminal, Crymlyn Burrows, Swansea, West Glamorgan, SA1 8QQ Classification: Coal & Smokeless Fuel Merchants & Distributors Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A14SW (E)	471	-	269922 192983
146	Contemporary Trade Directory Entries Name: Celtic Mowers Ltd Location: Fabian Way, Crymlyn Burrows, Swansea, SA1 8QB Classification: Lawnmowers & Garden Machinery - Sales & Service Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	696	-	270171 193027
147	Contemporary Trade Directory Entries Name: First Gb Logistics Location: Unit 1 Main Studio Building, Fabian Way, Crymlyn Burrows, Swansea, West Glamorgan, SA1 8QB Classification: Distribution Services Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	728	-	270217 193183
148	Contemporary Trade Directory Entries Name: Corner Park Garage Location: Fabian Way, Crymlyn Burrows, SWANSEA, SA1 8QB Classification: Car Dealers - Used Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	745	-	270223 193043
148	Contemporary Trade Directory Entries Name: Llandarcy Filling Station Location: Llandarcy Filling Station, Fabian Way, Crymlyn Burrows, Swansea, SA1 8QB Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	779	-	270260 193062

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
148	Contemporary Trade Directory Entries Name: Corner Park Garages Location: FABIAN WAY, CRYMLYN BURROWS, SA1 8QB Classification: Car Dealers - Used Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	780	-	270260 193050
149	Contemporary Trade Directory Entries Name: South Wales Truck Services Ltd Location: Distribution Terminal, Queens Dock, Swansea, West Glamorgan, SA1 8QR Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Inactive Positional Accuracy: Manually positioned to the address or location	A12SW (W)	867	-	268604 192850
150	Contemporary Trade Directory Entries Name: Wincanton Transport Location: Queens Dock, Swansea, West Glamorgan, SA1 8QR Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A7NW (SW)	948	-	268637 192591
151	Contemporary Trade Directory Entries Name: Surface Industries Location: Bay Studios, Fabian Way, Crymlyn Burrows, Swansea, West Glamorgan, SA1 8QJ Classification: Powder Coatings Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A14NE (E)	982	-	270467 193257
152	Fuel Station Entries Name: Llandarcy Filling Station Location: Fabian Way, Llandarcy, Swansea, Neath Port Talbot, SA1 8QB Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Manually positioned to the address or location	A14SE (E)	781	-	270260 193044
153	Points of Interest - Commercial Services Name: A T Morgan & Son Location: Shell Oil Terminal, Elba Crescent, Crymlyn Burrows, SA1 8QQ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13NE (NE)	21	11	269510 193167
153	Points of Interest - Commercial Services Name: A.T Morgan & Son Location: Elba Showroom, Elba Crescent, Crymlyn Burrows, Swansea, SA1 8QQ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13NE (E)	39	11	269521 193146
154	Points of Interest - Commercial Services Name: Stiens Haulage Location: Pavilion Garage, Elba Crescent, Crymlyn Burrows, SA1 8QQ Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A13SE (S)	128	11	269472 192967
155	Points of Interest - Commercial Services Name: Neath Port Talbot Recycling Location: Crymlyn Burrows, Swansea, SA1 8PZ Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A14NW (NE)	409	11	269849 193362
156	Points of Interest - Commercial Services Name: First GB Logistics Location: Swansea Gate Business Park, Fabian Way, Crymlyn Burrows, SA1 8QB Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14NE (E)	727	11	270216 193183
157	Points of Interest - Commercial Services Name: Corner Park Garages Location: Fabian Way, Crymlyn Burrows, Swansea, SA1 8QB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	745	11	270223 193043

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
158	Points of Interest - Commercial Services Name: Enfys Foundation Ltd Location: Elba Crescent, Crymlyn Burrows, Swansea, SA1 8QJ Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A14SE (E)	806	11	270292 193104
158	Points of Interest - Commercial Services Name: Enfys Foundation Location: Elba Crescent, Crymlyn Burrows, Swansea, SA1 8QQ Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A14SE (E)	806	11	270292 193104
159	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (E)	33	11	269509 193140
159	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A13SE (SE)	67	11	269514 193060
159	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A13SE (SE)	68	11	269520 193067
159	Points of Interest - Manufacturing and Production Name: Tanks Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	72	11	269522 193062
160	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (N)	44	11	269489 193214
160	Points of Interest - Manufacturing and Production Name: Tanks Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	86	11	269417 193240
160	Points of Interest - Manufacturing and Production Name: Tanks Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (N)	93	11	269463 193259
160	Points of Interest - Manufacturing and Production Name: Tanks Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (N)	120	11	269421 193277
160	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (N)	124	11	269443 193287
160	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (N)	131	11	269475 193300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
160	Points of Interest - Manufacturing and Production Name: Tanks Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (N)	139	11	269446 193303
161	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SW (S)	60	11	269444 193035
161	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SE (S)	61	11	269477 193037
161	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	65	11	269377 193072
161	Points of Interest - Manufacturing and Production Name: Works Location: SA1 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	65	11	269377 193072
161	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SW (S)	86	11	269421 193015
162	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	80	11	269524 193240
163	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (E)	116	11	269605 193165
164	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (E)	265	11	269732 193062
164	Points of Interest - Manufacturing and Production Name: Works Location: SA1 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (E)	265	11	269732 193063
165	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	334	11	269408 192764
166	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	349	11	269838 193184

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
166	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	354	11	269832 193257
166	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	364	11	269852 193188
166	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A14NW (E)	388	11	269876 193196
166	Points of Interest - Manufacturing and Production Name: Tanks Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	388	11	269876 193196
166	Points of Interest - Manufacturing and Production Name: Tanks Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	405	11	269892 193208
167	Points of Interest - Manufacturing and Production Name: Crymlyn Burrows EfW Incinerator - EfW Incineration (BEIS) Location: The Former Freightliner Depot, Jersey Marine, Crymlyn Burrows, Swansea, SA1 8PZ Category: Industrial Features Class Code: Energy Production Positional Accuracy: Positioned to address or location	A14NW (NE)	409	11	269849 193362
168	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	472	11	268981 192968
168	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	487	11	268974 192942
168	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	489	11	268963 192969
168	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	508	11	268944 192967
169	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	644	11	270065 192871
169	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	717	11	270122 192819

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
169	Points of Interest - Manufacturing and Production Name: Tank Location: SA10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	719	11	270152 192890
170	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	645	11	270034 192803
170	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	646	11	269991 192731
170	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	669	11	270017 192729
171	Points of Interest - Manufacturing and Production Name: Swansea Bay Wastewater Treatment Works (Resubmission) Turbine Location: SA1 Category: Industrial Features Class Code: Energy Production Positional Accuracy: Positioned to address or location	A12SW (W)	685	11	268761 192972
171	Points of Interest - Manufacturing and Production Name: Swansea Bay Wastewater Treatment Works (Resubmission) Location: SA1 Category: Industrial Features Class Code: Energy Production Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	685	11	268761 192972
171	Points of Interest - Manufacturing and Production Name: Wind Turbine Location: SA1 Category: Industrial Features Class Code: Energy Production Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	686	11	268760 192971
172	Points of Interest - Manufacturing and Production Name: Tanks Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	742	11	268804 192712
173	Points of Interest - Manufacturing and Production Name: Tank Location: SA10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	790	11	270209 192839
173	Points of Interest - Manufacturing and Production Name: Tank Location: SA10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	793	11	270239 192910
174	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	813	11	270300 193227
174	Points of Interest - Manufacturing and Production Name: Works Location: SA1 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	813	11	270300 193225

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
175	Points of Interest - Manufacturing and Production Name: Tanks Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	902	11	268618 192720
176	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A14NE (E)	946	11	270416 193358
176	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A14NE (E)	964	11	270433 193366
176	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A14NE (E)	964	11	270433 193363
176	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A14NE (E)	964	11	270432 193370
176	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A14NE (E)	966	11	270438 193351
176	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A14NE (E)	966	11	270439 193342
176	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A14NE (E)	967	11	270435 193371
176	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A14NE (E)	967	11	270439 193347
176	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A14NE (E)	968	11	270436 193367
176	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A14NE (E)	968	11	270437 193364
176	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A14NE (E)	971	11	270438 193372

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
176	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A14NE (E)	971	11	270439 193368
176	Points of Interest - Manufacturing and Production Name: Tank Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A14NE (E)	971	11	270440 193365
176	Points of Interest - Manufacturing and Production Name: Tanks Location: SA1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	978	11	270447 193367
177	Points of Interest - Manufacturing and Production Name: Swansea Gate Business Park Location: SA1 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	955	11	270442 193227
178	Points of Interest - Public Infrastructure Name: Enviromental Practical Solutions Ltd Location: Freightliner Depot, Fabian Way, Crymlyn Burrows, Swansea, SA1 8PX Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A13NE (N)	130	11	269491 193300
179	Points of Interest - Public Infrastructure Name: Waste Processing Facility Location: SA1 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A14NW (NE)	385	11	269825 193357
179	Points of Interest - Public Infrastructure Name: Neath Port Talbot Recycling Location: Crymlyn Burrows, Swansea, SA1 8PZ Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A14NW (NE)	387	11	269823 193363
180	Points of Interest - Public Infrastructure Name: Sewage Pumping Station Location: SA1 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	463	11	269919 192998
181	Points of Interest - Public Infrastructure Name: Sewage Pumping Station Location: SA10 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	491	11	269905 192888
182	Points of Interest - Public Infrastructure Name: Sewage Works Location: SA1 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	528	11	268917 192991
183	Points of Interest - Public Infrastructure Name: Sewage Works Location: SA1 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A12SE (W)	631	11	268817 192965
183	Points of Interest - Public Infrastructure Name: Sewage Works Location: SA1 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A12SE (W)	634	11	268814 192965

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
184	Points of Interest - Public Infrastructure Name: Tip Location: SA1 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	648	11	268897 193498
184	Points of Interest - Public Infrastructure Name: Public Recycling Facility Location: SA1 Category: Infrastructure and Facilities Class Code: Recycling Centres Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	737	11	268807 193519
185	Points of Interest - Public Infrastructure Name: Tip Location: SA1 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A18NW (NW)	719	11	269143 193811
186	Points of Interest - Public Infrastructure Name: Tip Location: SA1 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	789	11	268830 193648
187	Points of Interest - Public Infrastructure Name: Landfill (Deposit) Location: SA1 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	855	11	269124 193951
188	Points of Interest - Public Infrastructure Name: Tip Location: SA1 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	897	11	269285 194044
189	Points of Interest - Public Infrastructure Name: Tip Location: SA1 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	966	11	268982 194006
190	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	174	11	269570 192964
190	Points of Interest - Recreational and Environmental Name: Playground Location: Baldwin'S Crescent, SA1 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	174	11	269570 192964
191	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	285	11	269683 192923
191	Points of Interest - Recreational and Environmental Name: Playground Location: Baldwin'S Crescent, SA1 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	285	11	269683 192923

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
192	National Nature Reserves Name: Crymlyn Bog And Pant Y Sais Multiple Areas: Y Total Area (m2): 1308324.11 Source: Natural Resources Wales Reference: 45 Designation Date: 27th September 1991	A19NW (NE)	806	2	269904 193860
193	Ramsar Sites Name: Crymlyn Bog Multiple Areas: Y Total Area (m2): 2675566.42 Source: Natural Resources Wales Reference: UK14006 Designation Date: 8th June 1993	A13NW (N)	232	2	269381 193382
194	Sites of Special Scientific Interest Name: Cors Crymlyn / Crymlyn Bog Multiple Areas: Y Total Area (m2): 2809777.13 Source: Natural Resources Wales Reference: 47433wwp Designation Details: Biological Designation Date: 1st January 1975 Date Type: Notified	A13NW (N)	232	2	269381 193382
195	Sites of Special Scientific Interest Name: Crymlyn Burrows Multiple Areas: N Total Area (m2): 2345150.8 Source: Natural Resources Wales Reference: 109233wdc Designation Details: Biological Designation Date: 5th August 1987 Date Type: Notified	A14SE (E)	804	2	270264 192956
196	Special Areas of Conservation Name: Crymlyn Bog / Cors Crymlyn Multiple Areas: Y Total Area (m2): 2997434.94 Source: Natural Resources Wales Reference: Uk0012885 Status: Designated	A13NW (N)	232	2	269381 193382

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Natural Resources Wales Neath Port Talbot County Borough Council - Environmental Health Department City and County of Swansea - Environmental Health Department	November 2023 October 2017 September 2017	Annually Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Welsh Region Natural Resources Wales	August 2014 August 2024	Quarterly Quarterly
Enforcement and Prohibition Notices Environment Agency - Welsh Region	March 2013	
Integrated Pollution Controls Environment Agency - Welsh Region	January 2009	
Integrated Pollution Prevention And Control Natural Resources Wales Environment Agency - Welsh Region	August 2024 July 2024	Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Swansea Bay Port Health Authority City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	April 2014 December 2020 March 2014	Variable Variable Variable
Local Authority Pollution Prevention and Controls Swansea Bay Port Health Authority City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	April 2014 December 2020 March 2014	Annually Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Swansea Bay Port Health Authority City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	April 2014 June 2014 March 2015	Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	September 2024	
Pollution Incidents to Controlled Waters Environment Agency - Welsh Region	December 1998	
Historical Prosecutions Environment Agency, Welsh Region Natural Resources Wales	March 2013 March 2013	Not Applicable Not Applicable
Registered Radioactive Substances Natural Resources Wales Environment Agency - Welsh Region	January 2015 June 2016	
Substantiated Pollution Incident Register Environment Agency Wales - South West Area Natural Resources Wales	January 2021 July 2024	Quarterly Quarterly
Water Abstractions Environment Agency - Welsh Region Natural Resources Wales	October 2024 September 2024	Quarterly Quarterly
Water Industry Act Referrals Environment Agency - Welsh Region Natural Resources Wales	October 2017 October 2022	
Groundwater Vulnerability Map Natural Resources Wales	June 2018	As notified
Bedrock Aquifer Designations Natural Resources Wales	January 2018	As notified
Superficial Aquifer Designations Natural Resources Wales	January 2018	As notified

Agency & Hydrological	Version	Update Cycle
Source Protection Zones Natural Resources Wales	July 2022	Annual Rolling Update
Extreme Flooding from Rivers or Sea without Defences Natural Resources Wales	September 2020	
Flooding from Rivers or Sea without Defences Natural Resources Wales	September 2020	
Areas Benefiting from Flood Defences Natural Resources Wales	November 2019	Quarterly
Flood Water Storage Areas Natural Resources Wales	August 2019	Quarterly
Flood Defences Natural Resources Wales	November 2019	
OS Water Network Lines Ordnance Survey	October 2024	Quarterly
Surface Water 1 in 30 year Flood Extent Natural Resources Wales	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Natural Resources Wales	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Natural Resources Wales	May 2018	Annually
Surface Water Suitability Natural Resources Wales	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified
Water Framework Directive - Catchment Natural Resources Wales	July 2024	Annually
Water Framework Directive - Groundwater Natural Resources Wales	July 2024	Annually
Water Framework Directive - Surface Waters Natural Resources Wales	July 2023	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Natural Resources Wales	March 2023	As notified
Integrated Pollution Control Registered Waste Sites Environment Agency - Welsh Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Natural Resources Wales Environment Agency Wales - South West Area	August 2024 January 2023	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Natural Resources Wales Environment Agency Wales - South West Area	August 2024 July 2024	Quarterly Quarterly
Local Authority Landfill Coverage City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	February 2003 February 2003	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites City and County of Swansea - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	October 2018 October 2018	
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	
Registered Landfill Sites Environment Agency Wales - South West Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency Wales - South West Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency Wales - South West Area	June 2015	
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	September 2024	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements City and County of Swansea - Planning Department Neath Port Talbot County Borough Council - Planning Department	June 2023 October 2015	Variable Variable
Planning Hazardous Substance Consents City and County of Swansea - Planning Department Neath Port Talbot County Borough Council - Planning Department	January 2016 October 2015	Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	March 2024	Bi-Annually
BGS Urban Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Urban Soil Chemistry Averages British Geological Survey - National Geoscience Information Service	December 2015	As notified
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	October 2023	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	October 2023	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	September 2024	Quarterly
Fuel Station Entries Catalist Ltd - Experian	February 2024	Quarterly
Points of Interest - Commercial Services PointX	September 2024	Quarterly
Points of Interest - Education and Health PointX	September 2024	Quarterly
Points of Interest - Manufacturing and Production PointX	September 2024	Quarterly
Points of Interest - Public Infrastructure PointX	September 2024	Quarterly
Points of Interest - Recreational and Environmental PointX	September 2024	Quarterly
Underground Electrical Cables National Grid	January 2024	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural Resources Wales	October 2024	Bi-Annually
Areas of Adopted Green Belt City and County of Swansea Neath Port Talbot County Borough Council - Planning Services	July 2024 July 2024	Quarterly Quarterly
Areas of Unadopted Green Belt City and County of Swansea Neath Port Talbot County Borough Council - Planning Services	July 2024 July 2024	Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural Resources Wales	November 2024	Bi-Annually
Environmentally Sensitive Areas The National Assembly for Wales - GI Services (Department of Planning & Countryside)	January 2017	
Forest Parks Forestry Commission	May 2023	Not Applicable
Local Nature Reserves City and County of Swansea Neath Port Talbot County Borough Council	August 2024 August 2024	Bi-Annually Bi-Annually
Marine Nature Reserves Natural Resources Wales	August 2024	Bi-Annually
National Nature Reserves Natural Resources Wales	August 2024	Bi-Annually
National Parks Natural Resources Wales	September 2024	Annually
Nitrate Vulnerable Zones The National Assembly for Wales - GI Services (Department of Planning & Countryside) Natural Resources Wales	April 2016 November 2024	Bi-Annually
Ramsar Sites Natural Resources Wales	August 2024	Bi-Annually
Sites of Special Scientific Interest Natural Resources Wales	October 2023	Bi-Annually
Special Areas of Conservation Natural Resources Wales	October 2024	Bi-Annually
Special Protection Areas Natural Resources Wales	November 2024	Bi-Annually

A selection of organisations who provide data within this report

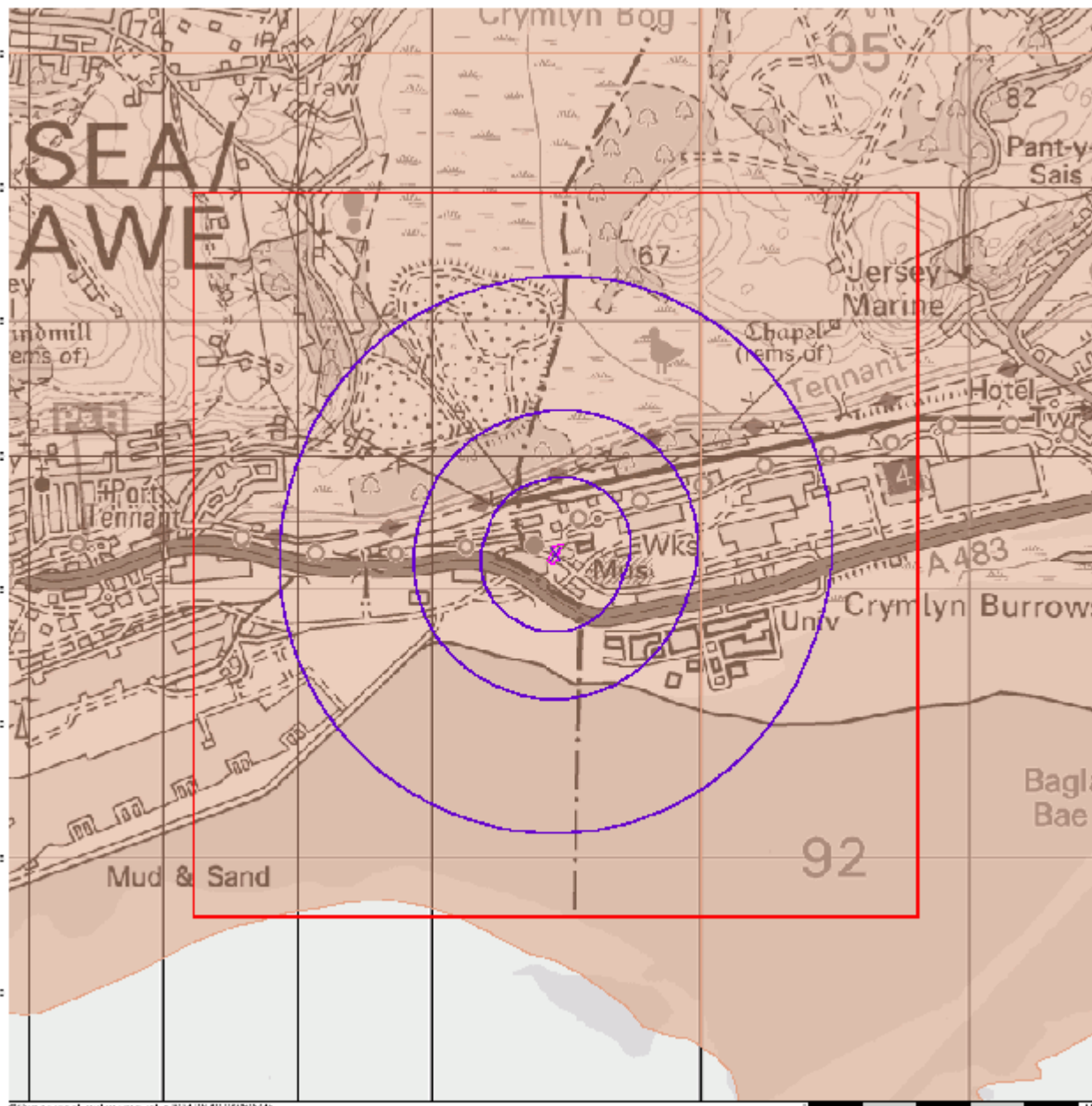
Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Natural Resources Wales Ty Cambria, 29 Newport Road, Cardiff, CF24 0TP	Telephone: 0300 065 3000 Email: enquiries@naturalresourceswales.gov.uk
3	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
4	Neath Port Talbot County Borough Council - Environmental Health Department Room 322, Neath Civic Centre, Neath, West Glamorgan, SA11 3QZ	Telephone: 01639 763333 Fax: 01693 763444 Website: www.neath-porttalbot.gov.uk
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.co.uk
6	City and County of Swansea - Environmental Health Department The Guildhall, Swansea, West Glamorgan, SA1 4PE	Telephone: 01792 636000 extn 5651 Fax: 01792 635719
7	Health and Safety Executive 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
8	City and County of Swansea - Planning Department The Guildhall, Swansea, West Glamorgan, SA1 4PE	Telephone: 01792 636000 Fax: 01792 635709
9	Neath Port Talbot County Borough Council - Planning Department Port Talbot Civic Centre, Port Talbot, SA13 1PJ	Telephone: 01639 763333 Fax: 01639 763444 Website: www.neath-porttalbot.gov.uk
10	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
11	PointX 5-6 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

270200 270300 270400 270500 270600 270700 270800

132000
134000
136000
138000
140000
142000
144000
146000
148000



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Intégral Géotechnique

Bedrock Aquifer Designation

General

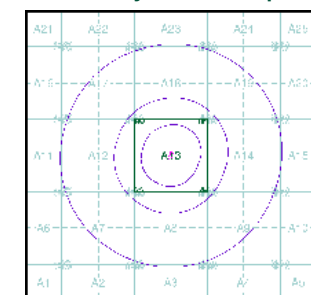
Specific Site
 General Bedrock
 Designated Area
 Area
 Boundary

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary Aquifer
- Secondary Underlain
- Unproductive
- Unknown
- Unknown (Lakes and Landfill)

Site Sensitivity Context Map - Slice A



Order Details

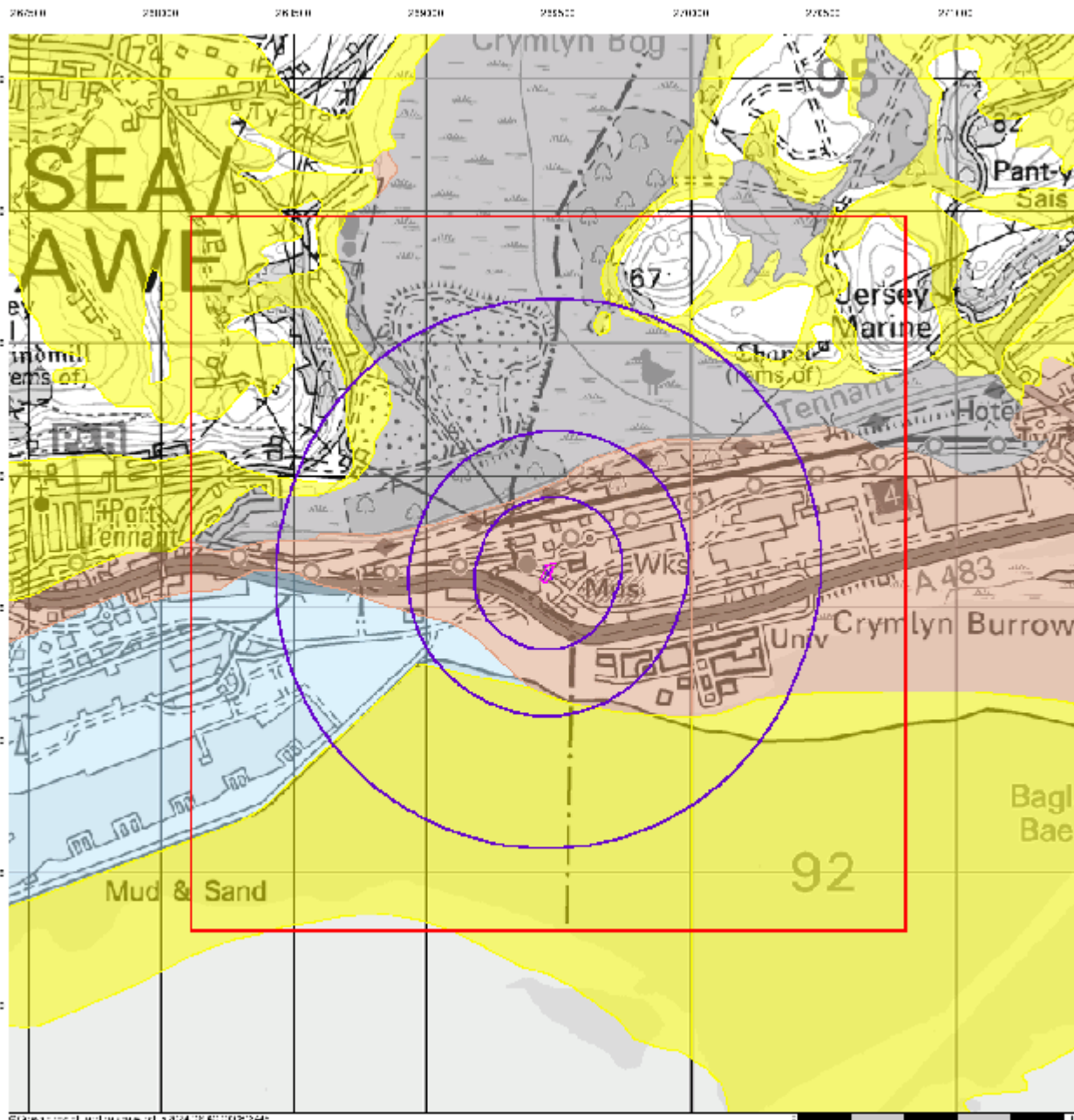
Order Number: 363640295_1_1
 Customer Ref: 14398/LP
 National Grid Reference: 269460, 193130
 Slice: A
 Site Area (Ha): 0.19
 Search Buffer (m): 1000

Site Details

Baldwins Crescent, Crymlyn Burrows, SA1 8QB

Landmark
 NFORMATI ON GROUP

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



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Intégral Géotechnique

Superficial Aquifer Designation

General

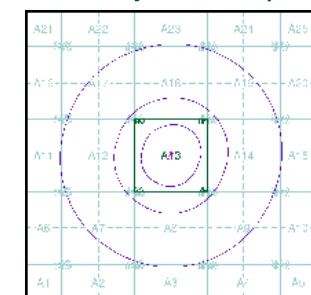
- ✱ Specific Site ○ Contaminated Area ✕ Designated Area
| Area | Water

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary Aquifer
- Secondary D Aquifer
- Secondary Underlain Sand
- Superficial Deposits
- Unknown
- Unknown (Lakes and Landfill)

Site Sensitivity Context Map - Slice A



Order Details

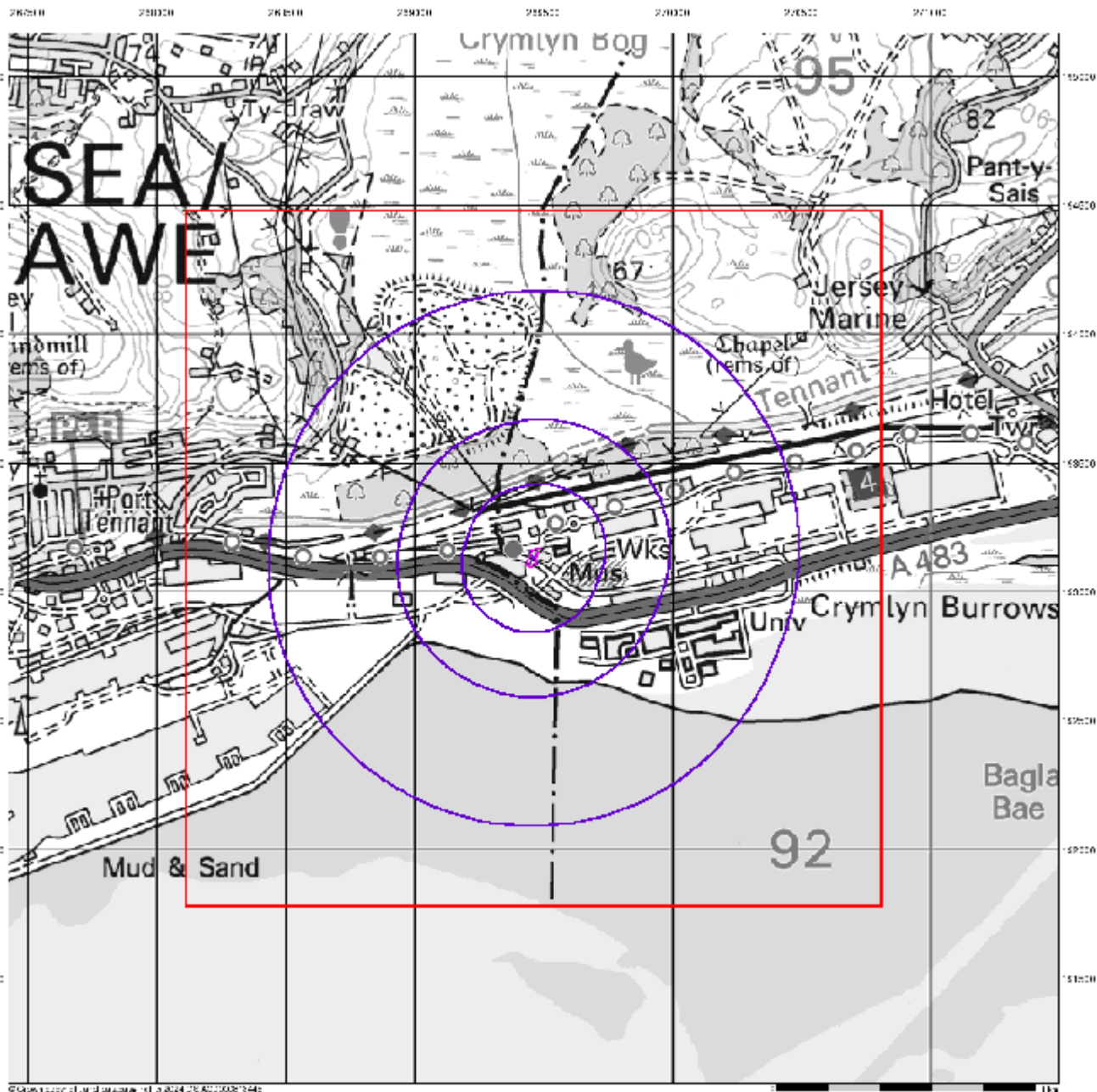
Order Number: 363640295_1_1
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Intégral Géotechnique

Source Protection Zones

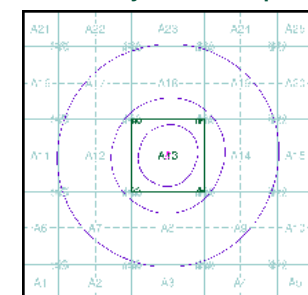
General

- ◇ Specific Site
- 100m Buffer Zone
- X Existing Buildings
- | Road
- | Railway

Agency and Hydrological

- Area 1 (Zone 1)
- ▨ Area 2 (Sub-surface protection zone)
- Catchment Zone 1
- ▨ Catchment Zone 2 (Sub-surface protection zone)
- Catchment Zone 3
- ▨ Catchment Zone 4 (Sub-surface protection zone)
- Special Areas (Zone 4)

Site Sensitivity Context Map - Slice A



Order Details

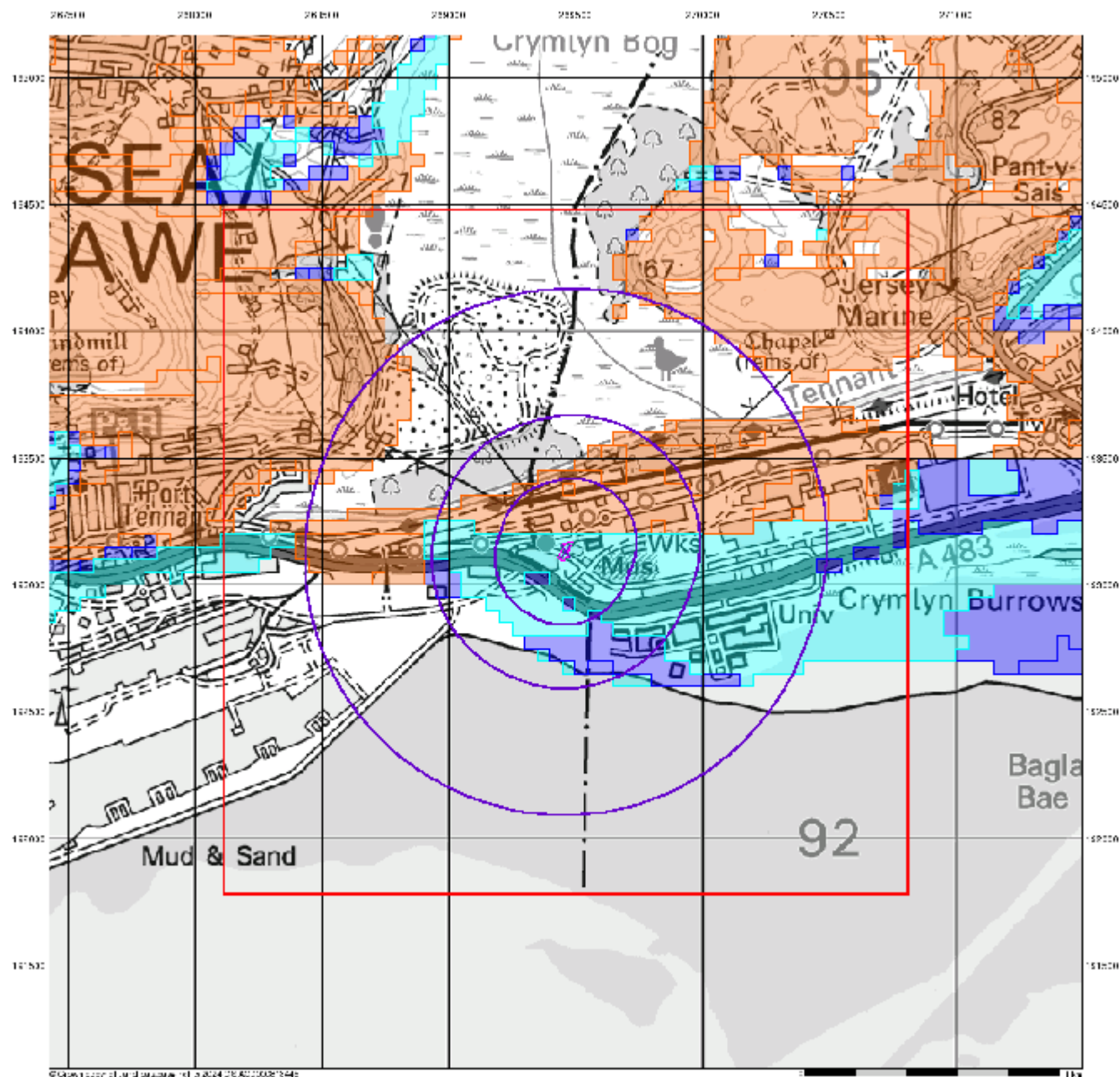
Order Number: 363640295_1_1
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Intégral Géotechnique

BGS Flood GFS Data

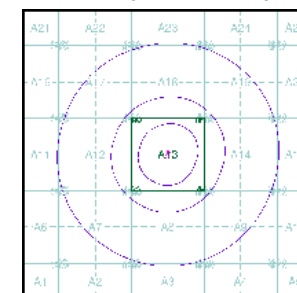
General

- X Applied GFL
- X Seismicity Risk
- X Exposed to Flood Risk
- X Flood

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding if Property Situated Below Ground Level
- Potential for Surface Water Flooding to Cause a Surface

Site Sensitivity Context Map - Slice A



Order Details

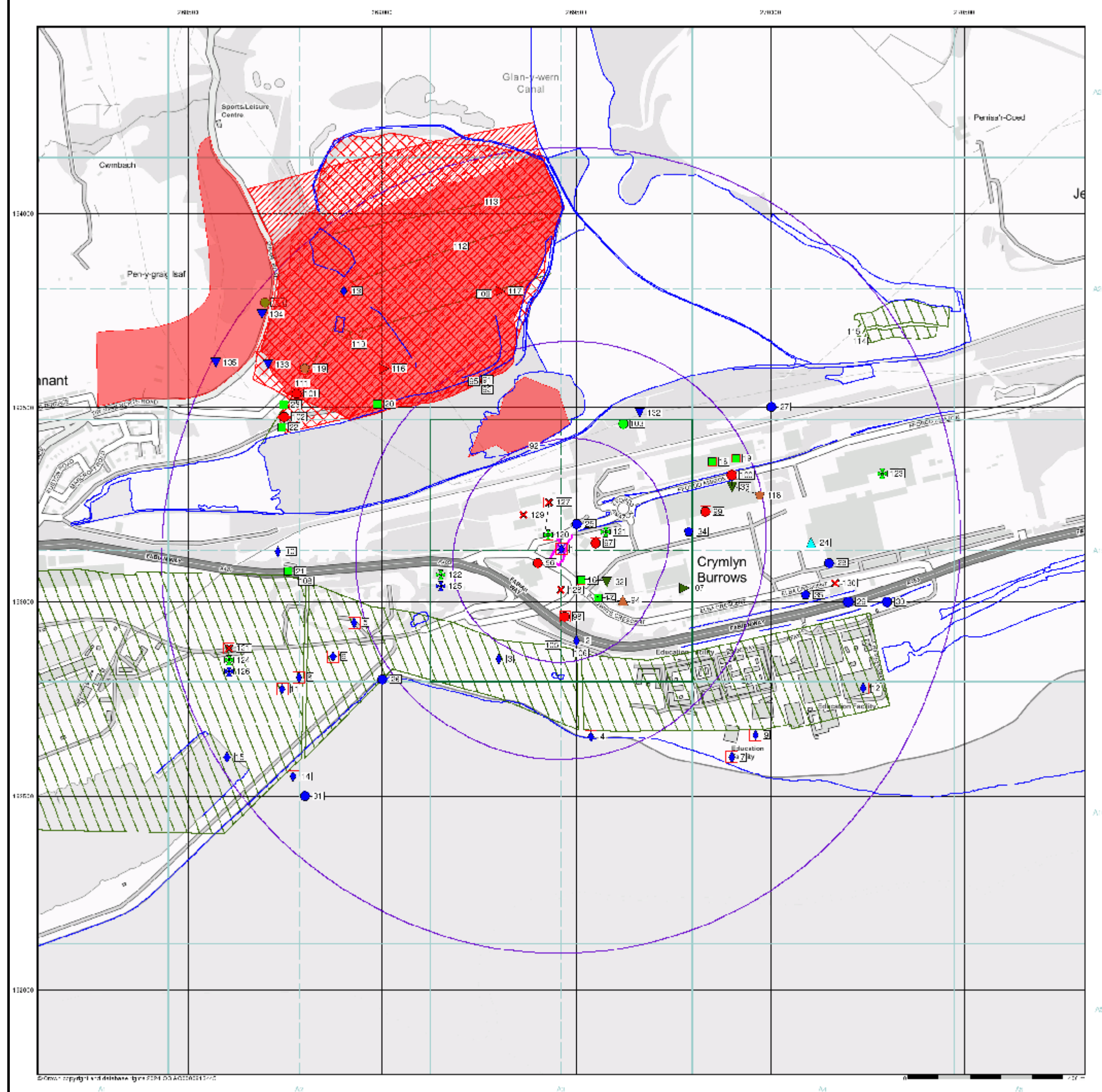
Order Number: 363640295_1_1
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Baldwins Crescent, Crymlyn Burrows, SA1 8QB

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



Intégral
Géotechnique

General

 Specified Site Specified Emitter(s) Existing Reference Point Map ID

Agency and Hydrological

	Quinn's Island Land Register Entry (Mobile Location)		Waste-Recorded Landfill Site (New)
	Quinn's Island Land Register Entry (Mobile)		WGS-Recorded Landfill Site
	Accessage Consent		LAH-Hotels Landfill (Burial Plot)
	Enforcement or Notification Notice		FA-Hotels Landfill (Highway)
	Integrated Pollution Control		Integrated Pollution Control Registered Waste Site
	Integrated Pollution Prevention Control		Integrated Waste Management Facility (Landfill) (Active)
	Local Authority Integrated Pollution Prevention and Control		Permitted Waste Management Facility (Landfill) (Inactive)
	Local Authority Pollution Prevention and Control		Local Authority or Resource Landfill Site (Location)
	Local Authority Pollution Prevention and Control Enforcement		Local Authority-Recorded Landfill Site
	Public Information Controlled Wastes		Potentially Infilled Land (Run-water)
	Historical Prosecutions		Potentially Infilled Land (Run-water)
	Prosecutions		Potentially Infilled Land (Run-water)
	Right-to-Redeem Protection Substation		Potentially Infilled Land (Water)
	Access Network Waste Feature		Potentially Infilled Land (Water)
	Substantiated Pollution Incident Register		Potentially Infilled Land (Water)
	Water Association		Designated Landfill Site
	Water Industry Access Point		Right-to-Redeem Protection Substation

Waste

-  Unlicensed/Recorded Landfill (Low/Low/Low)
-  BGS Recorded Landfill Site
-  LA II Site to Landfill (Refused Pit)
-  LA Historic landfill (Legacy)
-  Unregulated Full/Landfill Control Registered Waste Site
-  Unregulated Waste Management Facility (Landfill) Boundary
-  Licensed Waste Management Facility (Landfill)
-  Local Authority Resource Landfill Site (Location)
-  Local Authority Resource Landfill Site
-  Potentially Infilled Land (Waste)
-  Potentially Infilled Land (Waste)
-  Potentially Infilled Land (Waste)
-  Potentially Infilled Land (Waste)
-  Potentially Infilled Land (Waste)
-  Potentially Infilled Land (Waste)
-  Separate Landfill Site
-  Registered Landfill Site (Legacy)
-  Separate Landfill Site (Pit 1) (within 100 m)
-  Separate Landfill Site (Pit 1) (within 200 m)
-  Registered Waste Transfer Site (Location)
-  Registered Waste Transfer Site
-  Registered Waste Treatment or Disposal Site (Location)
-  Registered Waste Treatment or Disposal Site

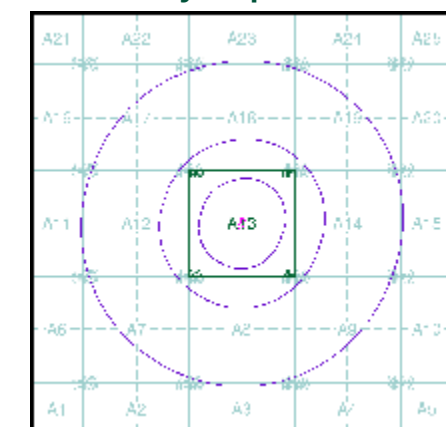
Hazardous Substances

 OGWAF Site  Exclusive Site
 40+5.7m  Pending Hazardous Substance Closure
 Pending Hazardous Substance Improvement

Geological

▼ EOS Resource Mineral Site

Site Sensitivity Map - Slice A



Order Details

Order Number: 363640295_1_1
Customer Ref: 14398/LP
National Grid Reference: 269460, 193130
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 1000

Site Details

Baldwins Crescent, Crymlyn Burrows, SA1 8QB

Landmark
INFORMATION GROUP

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

Intégral Géotechnique

Industrial Land Use Map

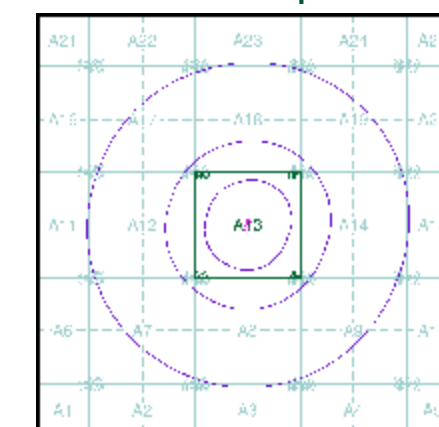
General

- Specific Data
- Site
- Search Buffer (m)
- Map ID
- Existing Infrastructure

Industrial Land Use

- Contemporary Trade/Industrial Site
- Fuel Station/Lorry
- Points of Interest - Commercial/Industrial
- Points of Interest - Manufacturing and Production
- Points of Interest - Public Infrastructure
- Points of Interest - Recreational and Environmental
- Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

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Site Details

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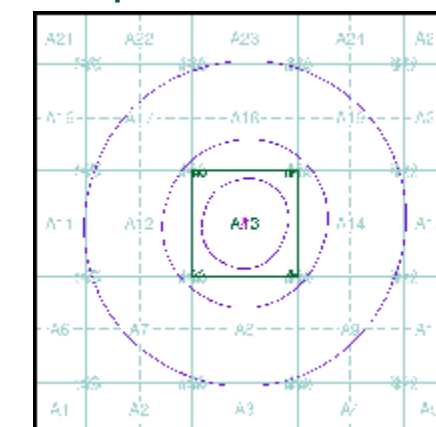
General

- Specified Site
- Specified Elevation
- Flooding Potential 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
- Local Water Storage Areas
- Flood Defence

Flood Map - Slice A



Order Details

Order Number: 363640295_1_1
 Customer Ref: 14398/LP
 National Grid Reference: 269460, 193130
 Slice: A
 Site Area (Ha): 0.19
 Search Buffer (m): 1000

Site Details

Baldwins Crescent, Crymlyn Burrows, SA1 8QB

General

- Specified Site
- Specified Buffer
- Boring Reference Point
- Map ID
- General Location

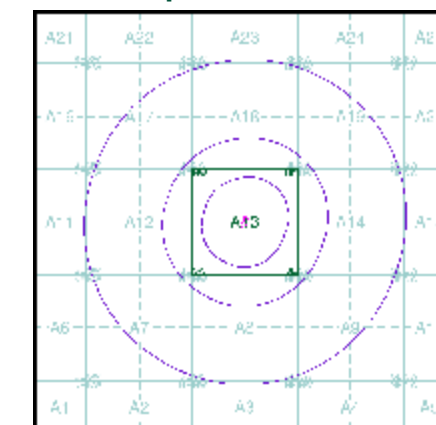
Agency and Hydrological (Boreholes)

- 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: 363640295_1_1
 Customer Ref: 14398/LP
 National Grid Reference: 269460, 193130
 Slice: A
 Site Area (Ha): 0.19
 Search Buffer (m): 1000

Site Details

Baldwins Crescent, Crymlyn Burrows, SA1 8QB

Intégral Géotechnique

General

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

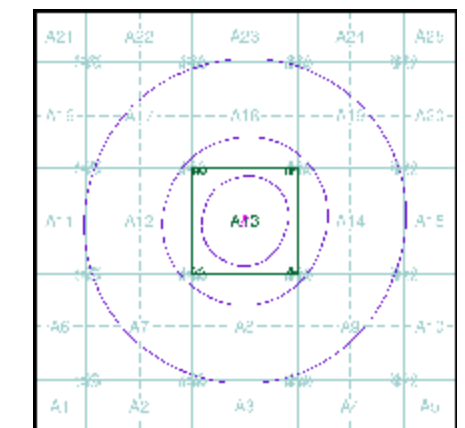
OS Water Network Data

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

Contours (height in meters)

- Standard Contour 105 100 95
- Master Contour
- Spot Height 167.3
- MLW Mean Low Water
- MHW Mean High Water

OS Water Network Map - Slice A



Order Details

Order Number: 363640295_1_1
 Customer Ref: 14398/LP
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 Slice: A
 Site Area (Ha): 0.19
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Site Details

Baldwins Crescent, Crymlyn Burrows, SA1 8QB

Landmark
 INFORMATION GROUP

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

General

- ✱ Specified Site
- Specified Elevation
- ✕ Existing Potentially Polluted

Risk of Flooding from Surface Water

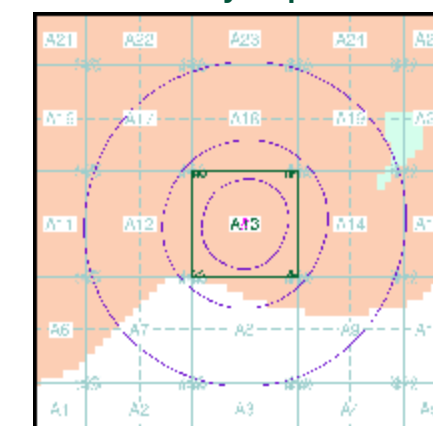
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

- National to county
- County to town
- Town to street
- Street to property and
- Property

EAN/RW Suitability Map - Slice A



Order Details

Order Number: 363640295_1_1
Customer Ref: 14398/LP
National Grid Reference: 269460, 193130
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 1000

Site Details

Baldwins Crescent, Crymlyn Burrows, SA1 8QB

Intégral Géotechnique

WFD Surface Waters Map

General

- Specified Point
- Specified Buffer
- Casine Reference Point
- Site
- Master

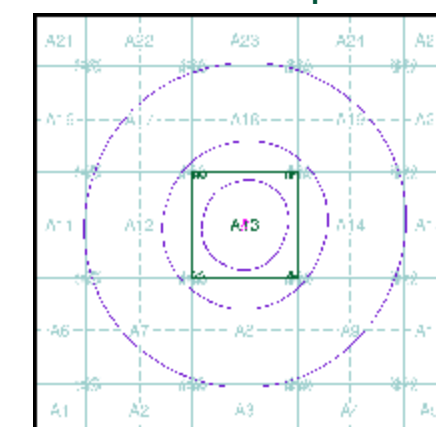
Water Framework Directive - Surface Water Quality

- High
- Good
- Moderate
- Poor
- Bad

Contours (height in meters)

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

WFD Surface Waters Map - Slice A



Order Details

Order Number: 363640295_1_1
 Customer Ref: 14398/LP
 National Grid Reference: 269460, 193130
 Slice: A
 Site Area (Ha): 0.19
 Search Buffer (m): 1000

Site Details

Baldwins Crescent, Crymlyn Burrows, SA1 8QB

Landmark
 INFORMATION GROUP

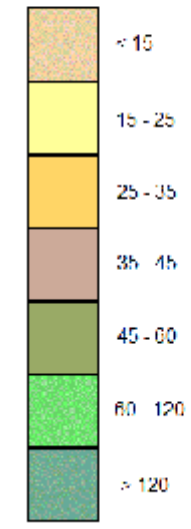
Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk

General

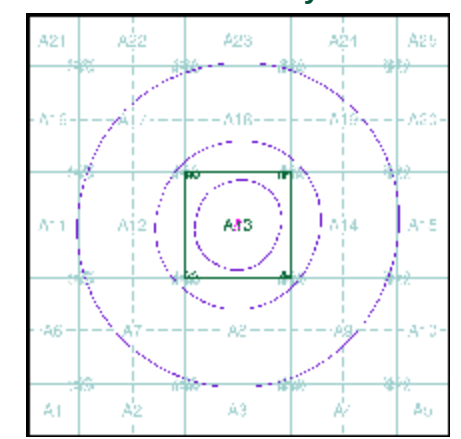
○ Final Test File
 ○ Final Test File (s)
 X Learning reference form

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A

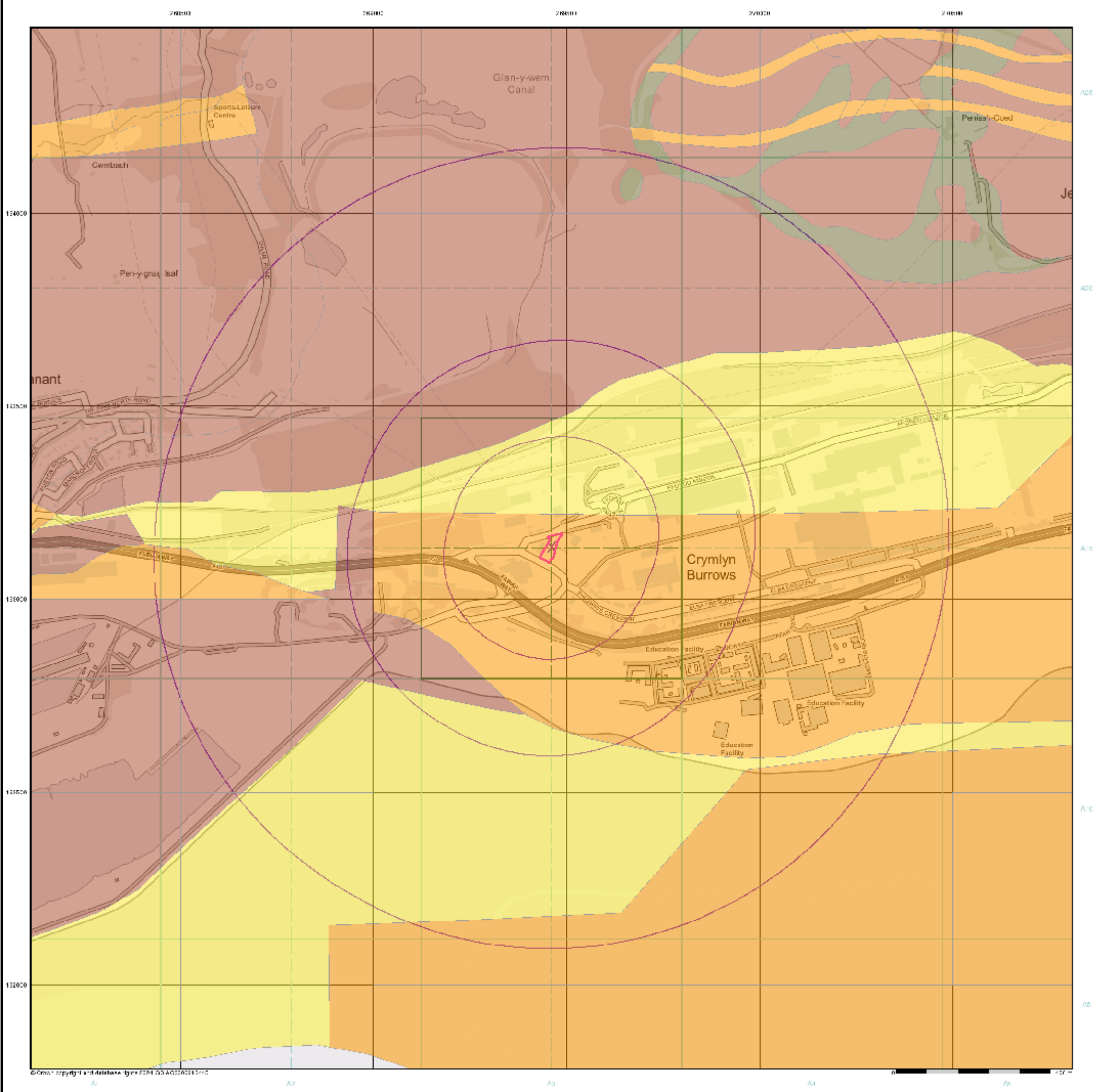


Order Details

Order Details: 363640295_1_1
 Customer Ref: 14398/LP
 National Grid Reference: 269460, 193130
 Slice: A
 Site Area (Ha): 0.19
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Site Details

Baldwins Crescent, Crymlyn Burrows, SA1 8QB



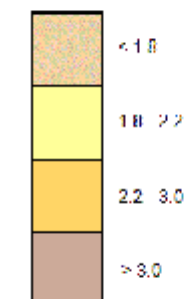
Intégral Géotechnique

General

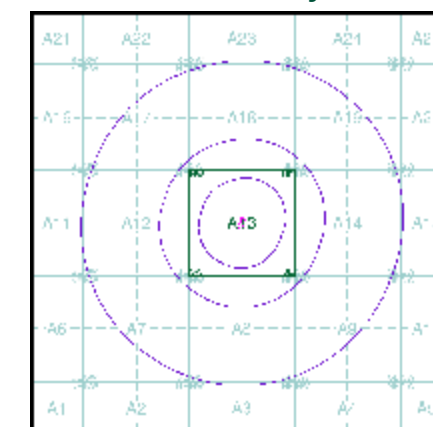
○ Foundation
○ Special Building
X Existing Structure

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

Order Details: 363640295_1_1
 Customer Ref: 14398/LP
 National Grid Reference: 269460, 193130
 Slice: A
 Site Area (Ha): 0.19
 Search Buffer (m): 1000

Site Details

Baldwins Crescent, Crymlyn Burrows, SA1 8QB

Landmark
 INFORMATION GROUP

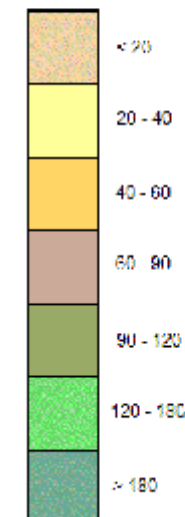
Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk

General

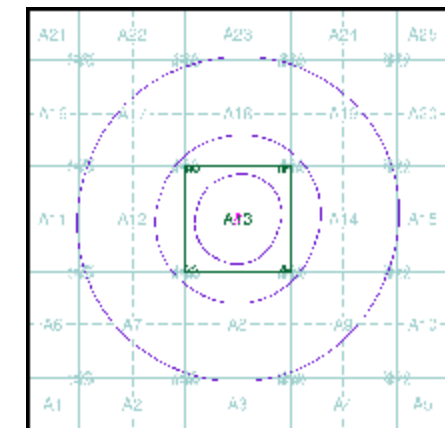
● Foundation
○ Safety Buffer
X Using Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A



Order Details

Order Details: 363640295_1_1
 Customer Ref: 14398/LP
 National Grid Reference: 269460, 193130
 Slice: A
 Site Area (Ha): 0.19
 Search Buffer (m): 1000

Site Details

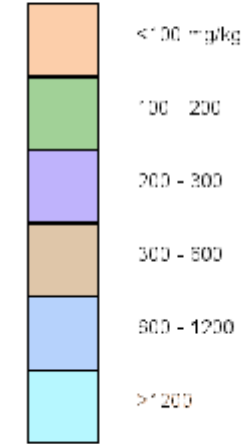
Baldwins Crescent, Crymlyn Burrows, SA1 8QB

General

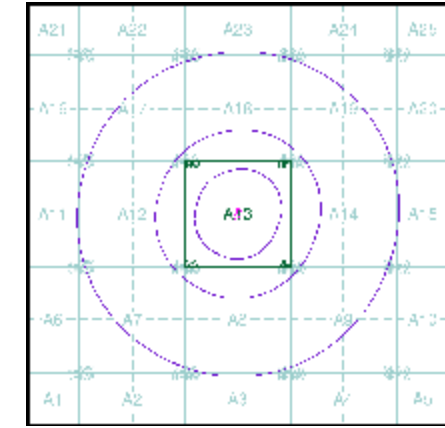
✱ Specified Site
 ✱ Specified Date (s)
 ✱ Planning Permission (s)

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A



Order Details

Order Details: 363640295_1_1
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Site Details

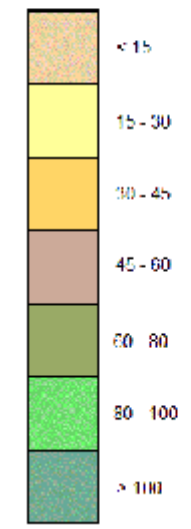
Baldwins Crescent, Crymlyn Burrows, SA1 8QB

General

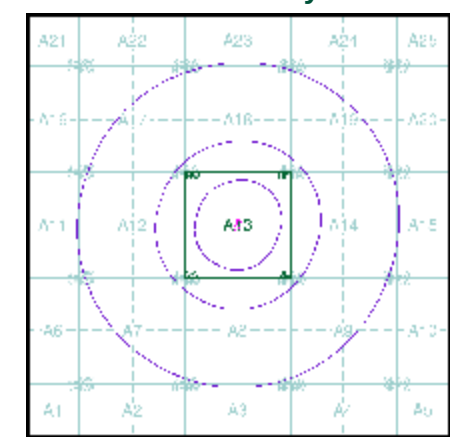
○ Estimated Soil
○ Specified Contours
X Existing Buildings

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A

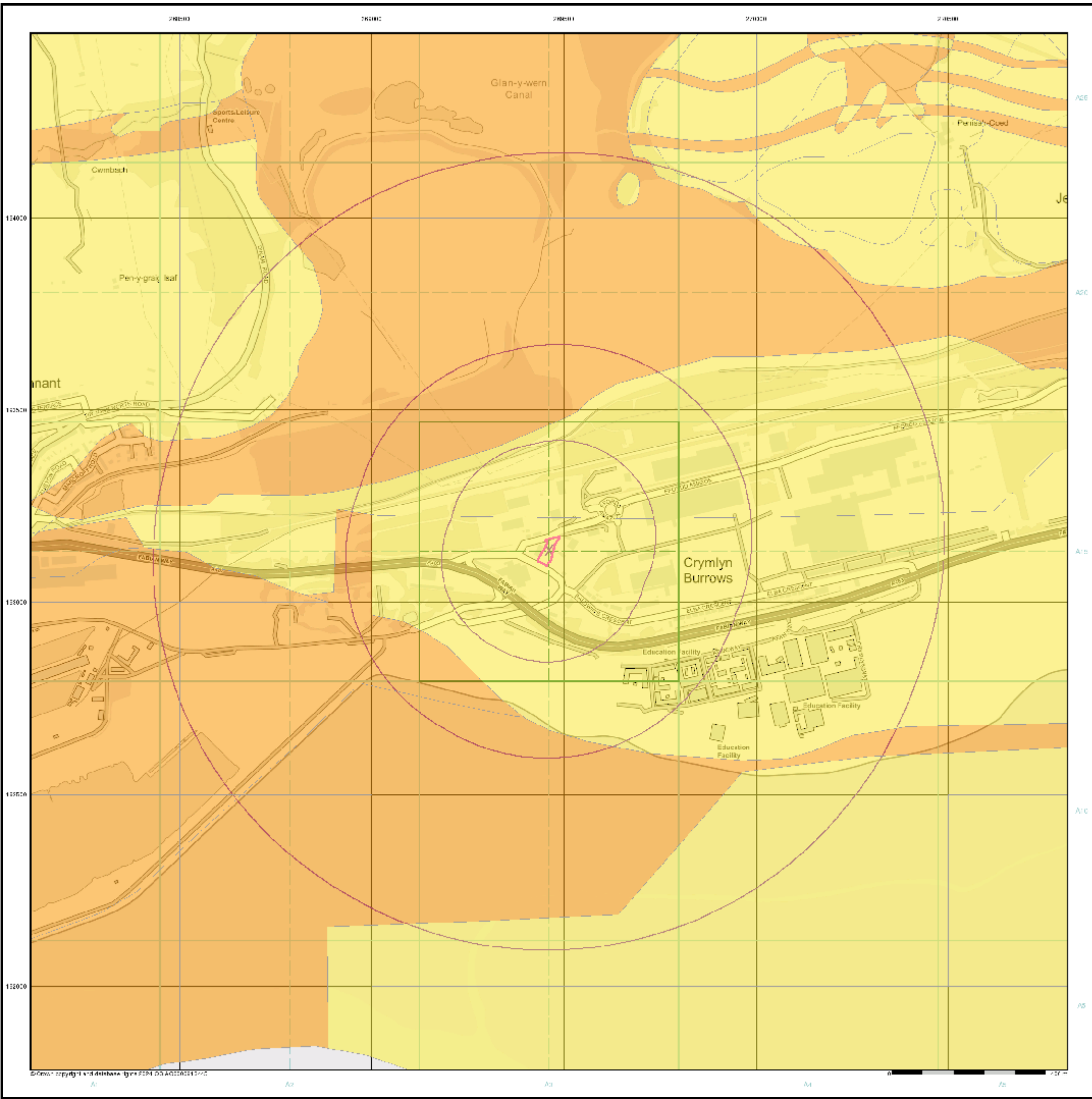


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Site Details

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Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	LSGR	Landscaped Ground (Undivided)	Artificially Modified Ground	Not Supplied - Holocene
	MGR	Made Ground (Undivided)	Artificial Deposit	Not Supplied - Holocene
	WGR	Worked Ground (Undivided)	Void	Not Supplied - Holocene

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	SUPNM	Superficial Theme Not Mapped [For Digital Map Use Only]	Water, Type Unspecified	Not Supplied - Not Supplied
	TILLD	Till, Devensian	Diamicton	Not Supplied - Devensian
	GFDUD	Glaciofluvial Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	BSA	Blown Sand	Sand	Not Supplied - Quaternary
	PEAT	Peat	Peat	Not Supplied - Quaternary
	MBD	Marine Beach Deposits	Sand	Not Supplied - Quaternary
	RSBD	Raised Storm Beach Deposits	Sand and Gravel	Not Supplied - Quaternary
	ALF	Alluvial Fan Deposits	Sand and Gravel	Not Supplied - Quaternary
	MBD	Marine Beach Deposits	Sand, Silt and Clay	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	BD	Brithdir Member	Sandstone	Not Supplied - Westphalian
	H	Hughes Member	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	BD	Brithdir Member	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	H	Hughes Member	Sandstone	Not Supplied - Westphalian
	SW	Swansea Member	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
			Sandstone	
	SW	Swansea Member	Sandstone	Not Supplied - Westphalian
	SWUCM	South Wales Upper Coal Measures Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	LLFB	Llynfi Member	Sandstone	Not Supplied - Westphalian
	RA	Rhondda Member	Sandstone	Not Supplied - Westphalian
	RA	Rhondda Member	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	LLFB	Llynfi Member	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	SWMCM	South Wales Middle Coal Measures Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	SWLCM	South Wales Lower Coal Measures Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
		Faults		
		Rock Segments		

Intégral Géotechnique

Geology 1:50,000 Maps

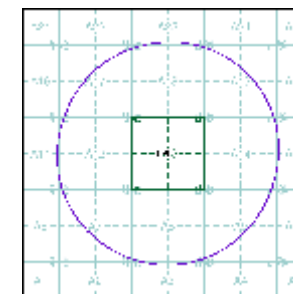
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID:	1
Map Sheet No:	247
Map Name:	Swansea
Map Date:	2011
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Available
Faults:	Not Supplied
Landslip:	Available
Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice A

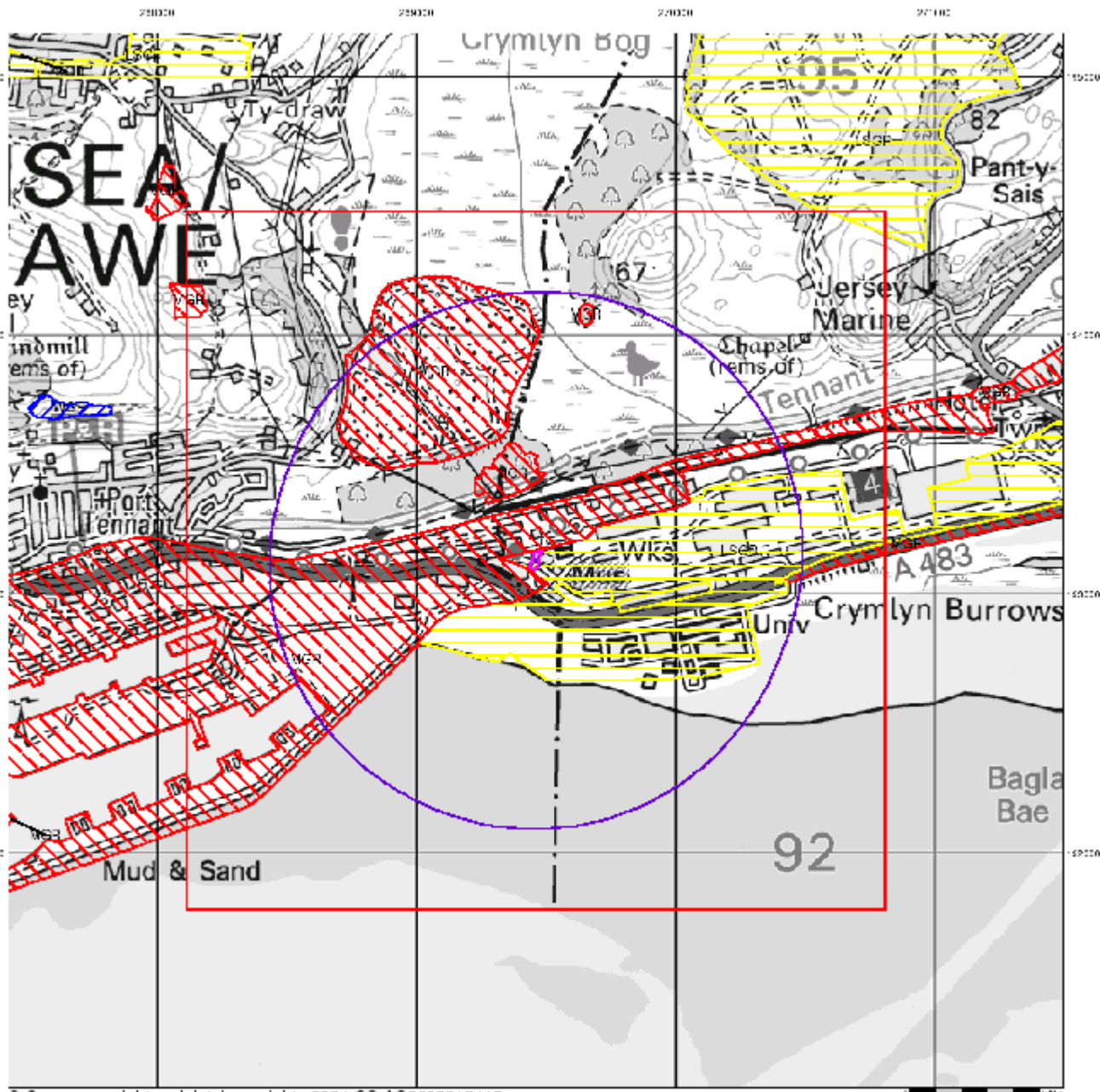


Order Details:

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Customer Reference:	14398/LP
National Grid Reference:	269460, 193130
Slice:	A
Site Area (Ha):	0.19
Search Buffer (m):	1000

Site Details:

Baldwins Crescent, Crymlyn Burrows, SA1 8QB



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Intégral Géotechnique

Artificial Ground and Landslip

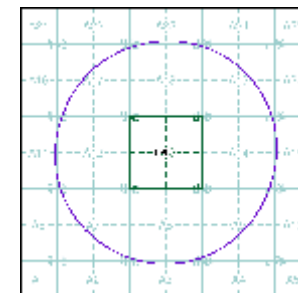
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

Artificial Ground and Landslip Map - Slice A



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National Grid Reference: 269460, 193130
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Intégral Géotechnique

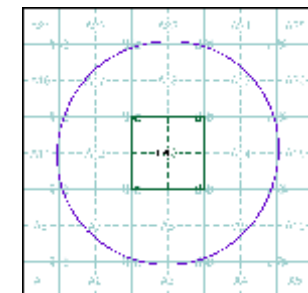
Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

Superficial Geology Map - Slice A



Order Details:

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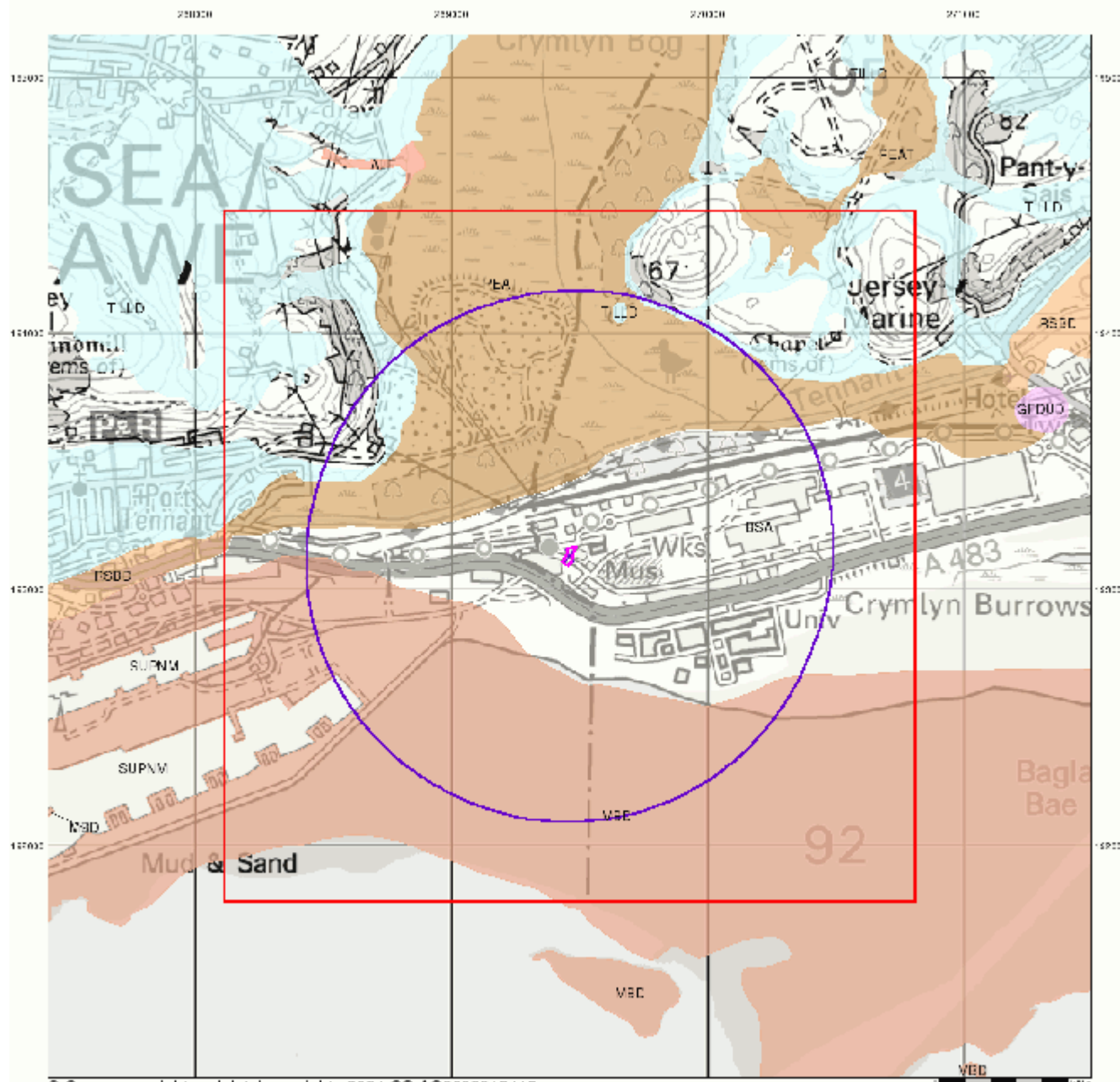
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v15.0 15-Nov-2024

Page 3 of 5



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Intégral Géotechnique

Bedrock and Faults

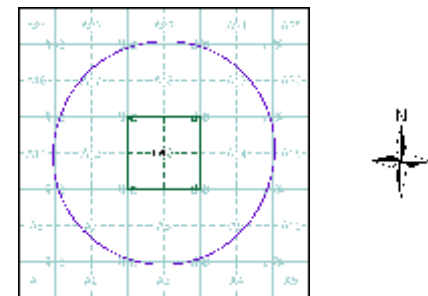
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

Bedrock and Faults Map - Slice A



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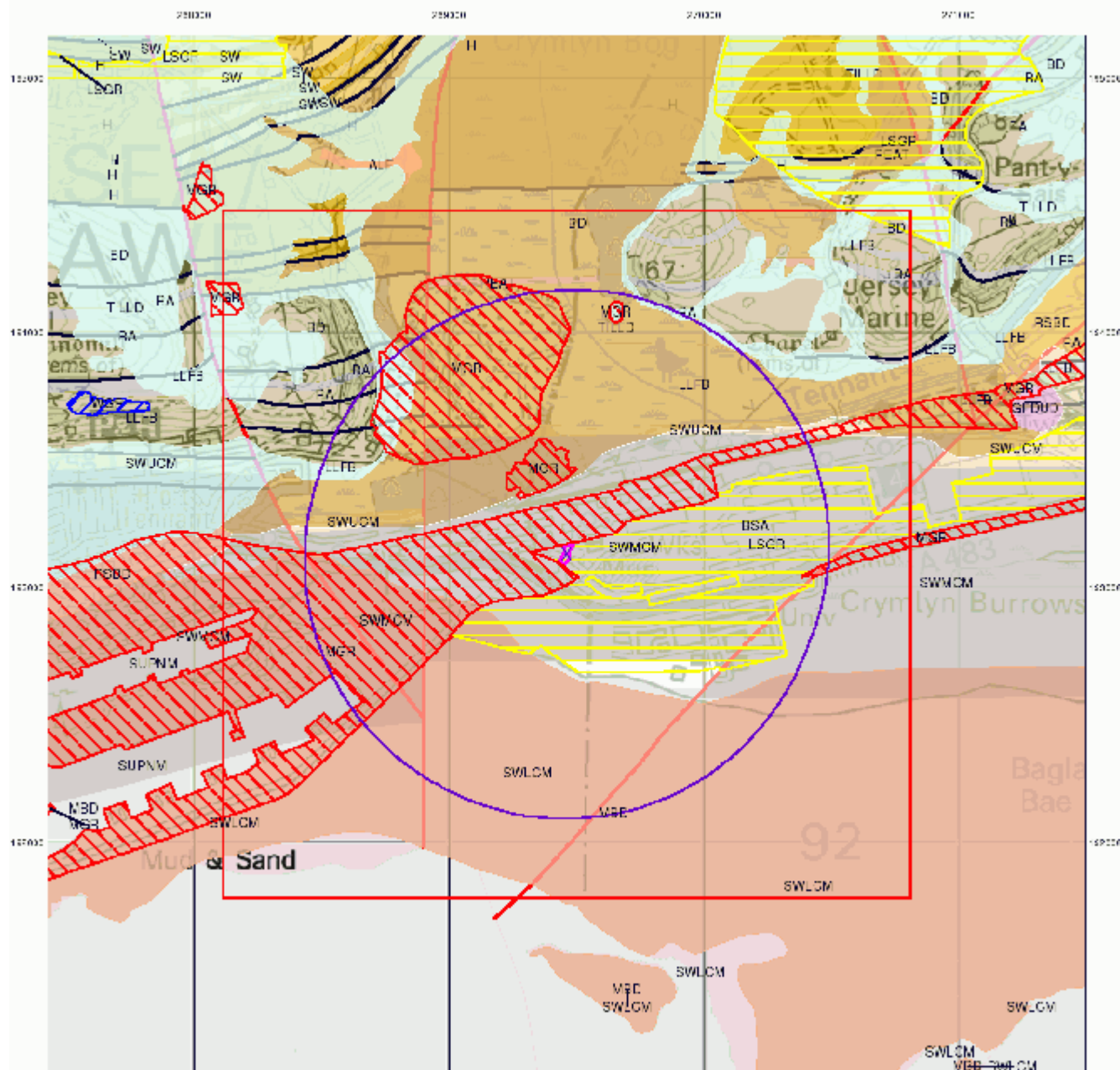
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 National Grid Reference: 269460, 193130
 Slice: A
 Site Area (Ha): 0.19
 Search Buffer (m): 1000

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Intégral
Géotechnique

Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

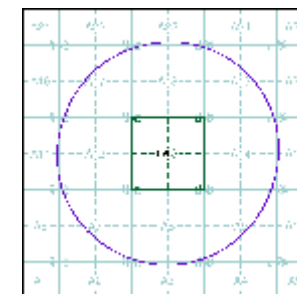
Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

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Nottingham
NG12 5GG
Telephone: 0115 936 3143
Fax: 0115 936 3276
email: enquiries@bgs.ac.uk
website: www.bgs.ac.uk

Combined Geology Map - Slice A



Order Details:

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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		Minor Roads
	Un-Fenced		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				
	County Borough Boundary (England)				
	County Burgh Boundary (Scotland)				
	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
	Glasshouse		Shingle
	Sloping Masonry		Sand
	Pylon		Electricity Transmission Line
	Pole		
	Cutting		Embankment
	Standard Gauge Multiple Track		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		
	Civil Parish		
	Shown alternately when coincidence of boundaries occurs		
	Boundary Post or Stone		Police Station
	Church		Post Office
	Club House		Public Convenience
	Fire Engine Station		Public House
	Foot Bridge		Signal Box
	Fountain		Spring
	Guide Post		Telephone Call Box
	Mile Post		Telephone Call Post
	Mile Stone		Well

1:10,000 Raster Mapping

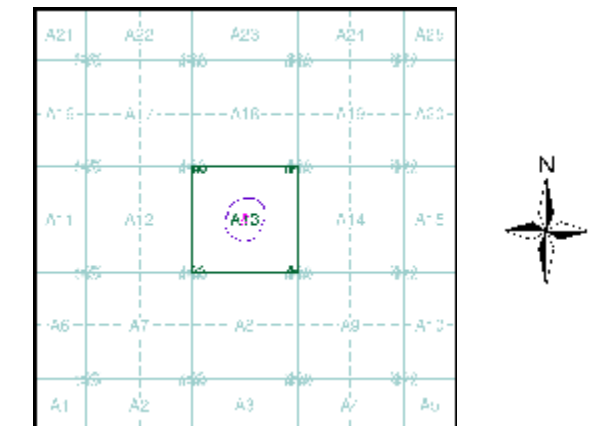
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, 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
	Mean high water (springs)		Mean low water (springs)
	Telephone line (where shown)		Electricity transmission line (with poles)
	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

Intégral
Géotechnique

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:10,560	1884	3
Glamorganshire	1:10,560	1900	4
Glamorganshire	1:10,560	1921	5
Glamorganshire	1:10,560	1921	6
Glamorganshire	1:10,560	1938 - 1951	7
Historical Aerial Photography	1:10,560	1949	8
Historical Aerial Photography	1:10,560	1949	9
Glamorganshire	1:10,560	1951	10
Ordnance Survey Plan	1:10,000	1964	11
Swansea	1:10,000	1976	12
Ordnance Survey Plan	1:10,000	1979	13
Ordnance Survey Plan	1:10,000	1980 - 1989	14
10K Raster Mapping	1:10,000	1999	15
10K Raster Mapping	1:10,000	2006	16
VectorMap Local	1:10,000	2024	17

Historical Map - Slice A



Order Details

Order Number: 363640295_1_1
Customer Ref: 14398/LP
National Grid Reference: 269460, 193130
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 1000

Site Details

Baldwins Crescent, Crymlyn Burrows, SA1 8QB

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INFORMATION GROUP

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Russian Military Mapping Legends

1:5,000 and 1:10,000 mapping

a. Not drawn to scale b. Drawn to scale



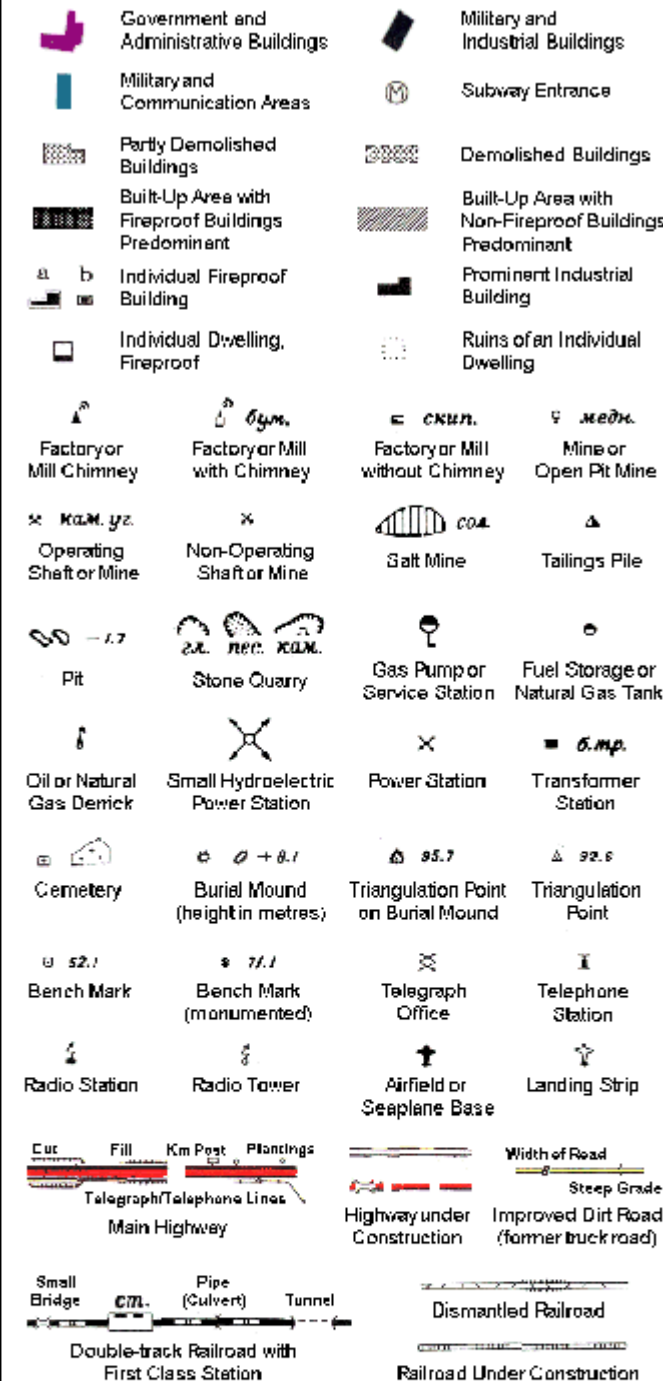
243.8 Values for prominent elevations
186.0 Numbers for spot elevations, depth soundings, contour lines, etc.
0.2 Velocity of the current, width of river bed, depth of river
180 180 Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

Russian Alphabet (For reference and phonetic interpretation of map text)

А а (A)	З з (Z)	П п (P)	Ч ч (CH)
Б б (B)	И и (I)	Р р (R)	Ш ш (SH)
В в (V)	Й й (Y)	С с (S)	Щ щ (SHCH)
Г г (G)	К к (K)	Т т (T)	Ъ (-)
Д д (D)	Л л (L)	У у (U)	Ы (Y)
Е е (E)	М м (M)	Ф ф (F)	Ь (')
Ё ё (YO)	Н н (N)	Х х (KH)	Э э (E)
Ж ж (ZH)	О о (O)	Ц ц (TS)	Ю ю (YU or IU)
			Я я (YA or IA)

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale



Key to Numbers on Mapping

SS69SE_Swansea

No.	Description
9	Factory (Car Engines)
55	Factory (Railway Carriage Repairs)
82	Storage (Flammable And Lubricant Materials)
104	Water Treatment Works
109	Power Station (Thermo-Electric)

SS79SW_Swansea

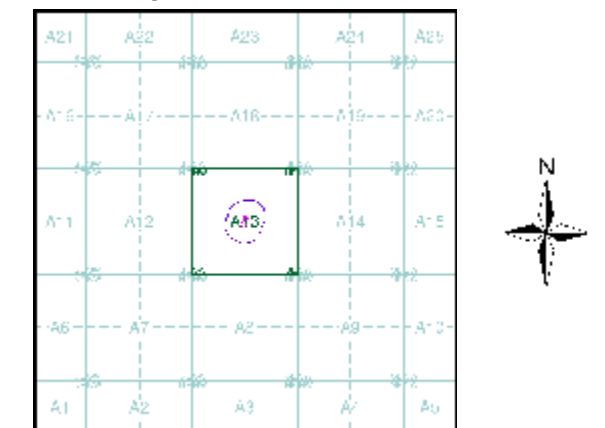
No.	Description
8	Factory (Auto Modular)
13	Factory (Railway Carriage Repairs)

Intégral Géotechnique

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:10,560	1884	3
Glamorganshire	1:10,560	1900	4
Glamorganshire	1:10,560	1921	5
Glamorganshire	1:10,560	1921	6
Glamorganshire	1:10,560	1938 - 1951	7
Historical Aerial Photography	1:10,560	1949	8
Historical Aerial Photography	1:10,560	1949	9
Glamorganshire	1:10,560	1951	10
Ordnance Survey Plan	1:10,000	1964	11
Swansea	1:10,000	1976	12
Ordnance Survey Plan	1:10,000	1979	13
Ordnance Survey Plan	1:10,000	1980 - 1989	14
10K Raster Mapping	1:10,000	1999	15
10K Raster Mapping	1:10,000	2006	16
VectorMap Local	1:10,000	2024	17

Russian Map - Slice A



Order Details

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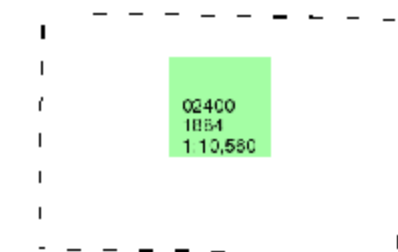
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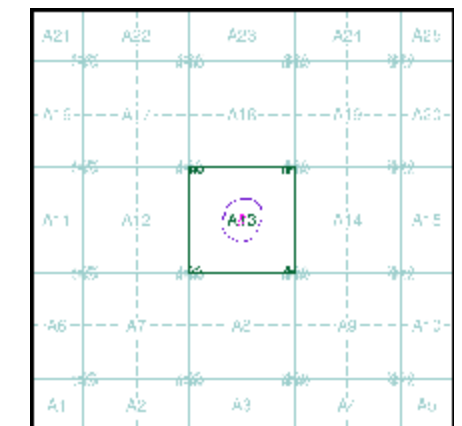
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. 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

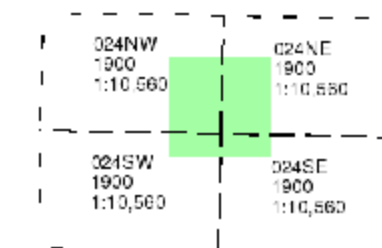
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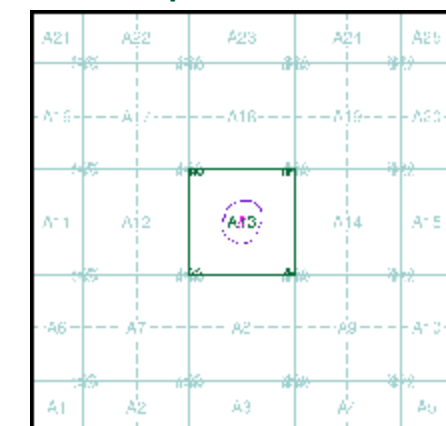
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Historical Map - Slice A

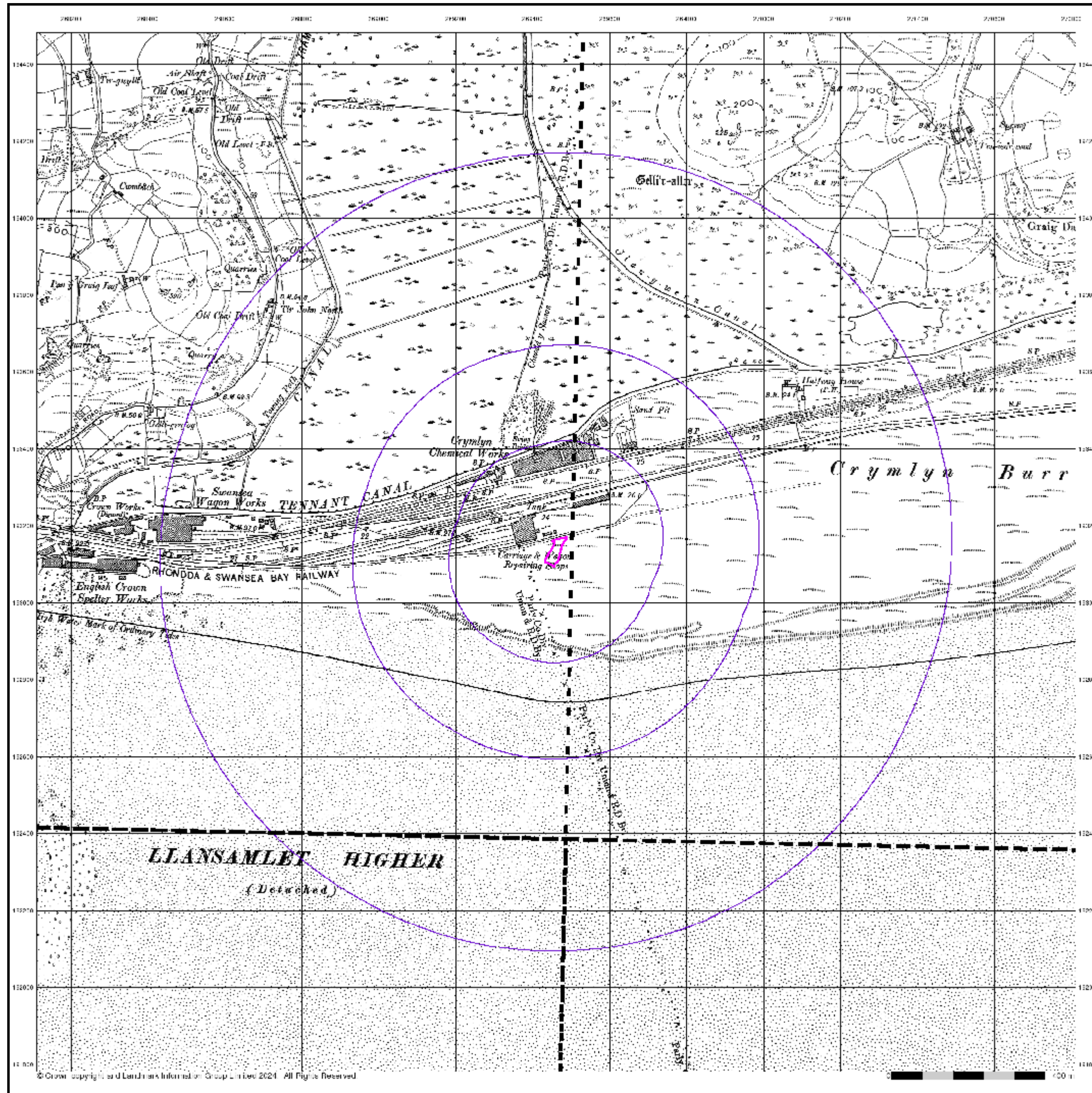


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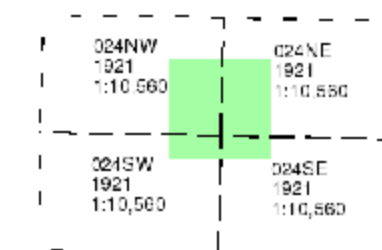
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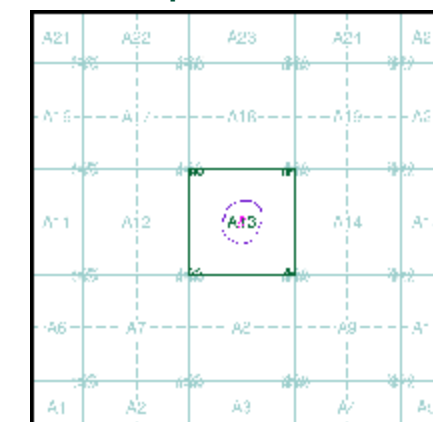


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Map Name(s) and Date(s)



Historical Map - Slice A

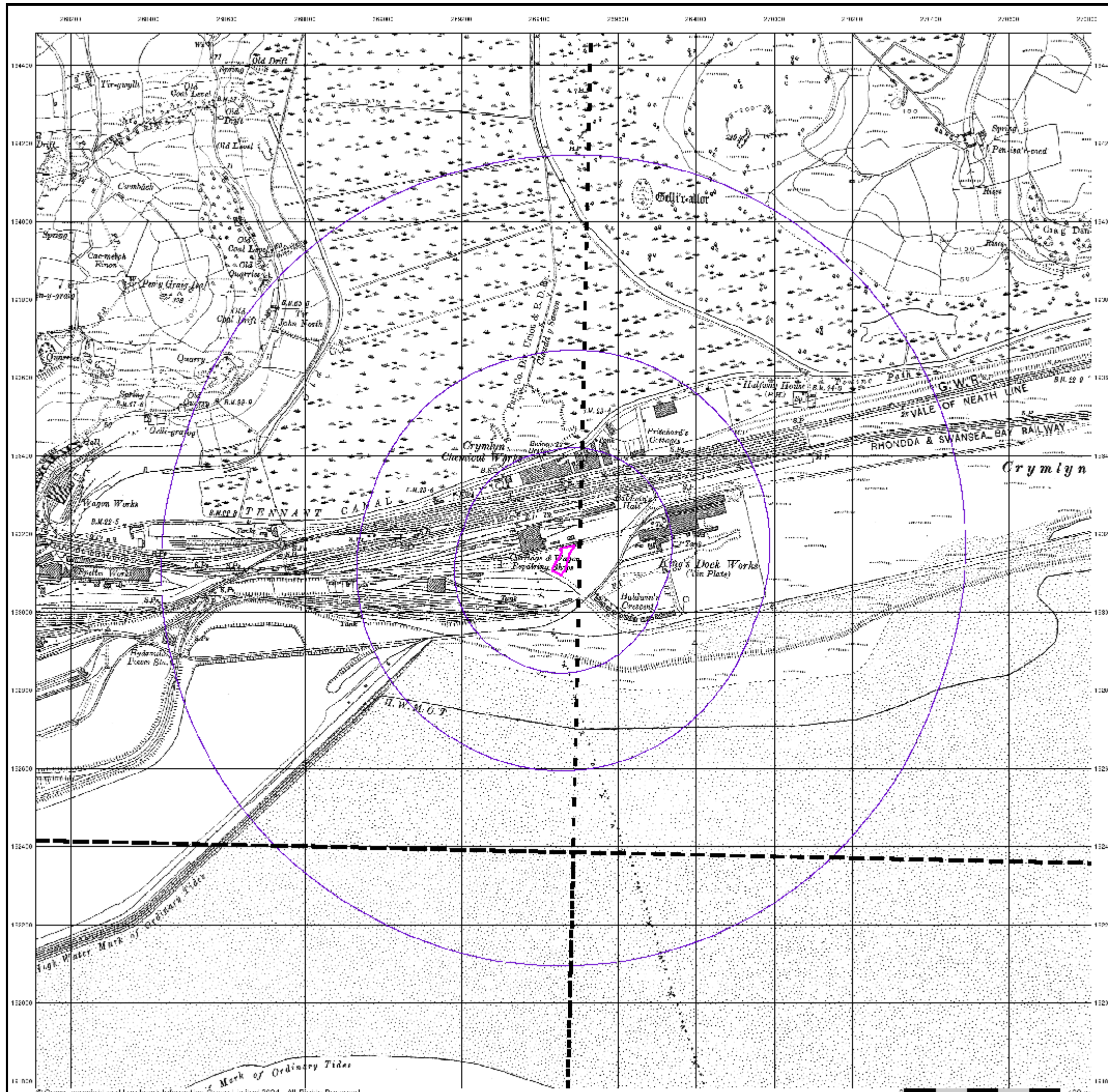


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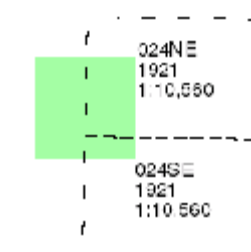
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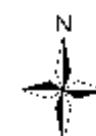
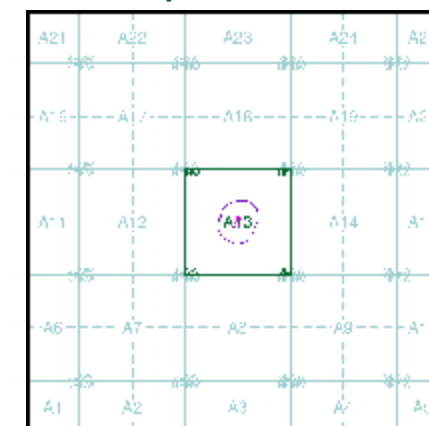


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Historical Map - Slice A

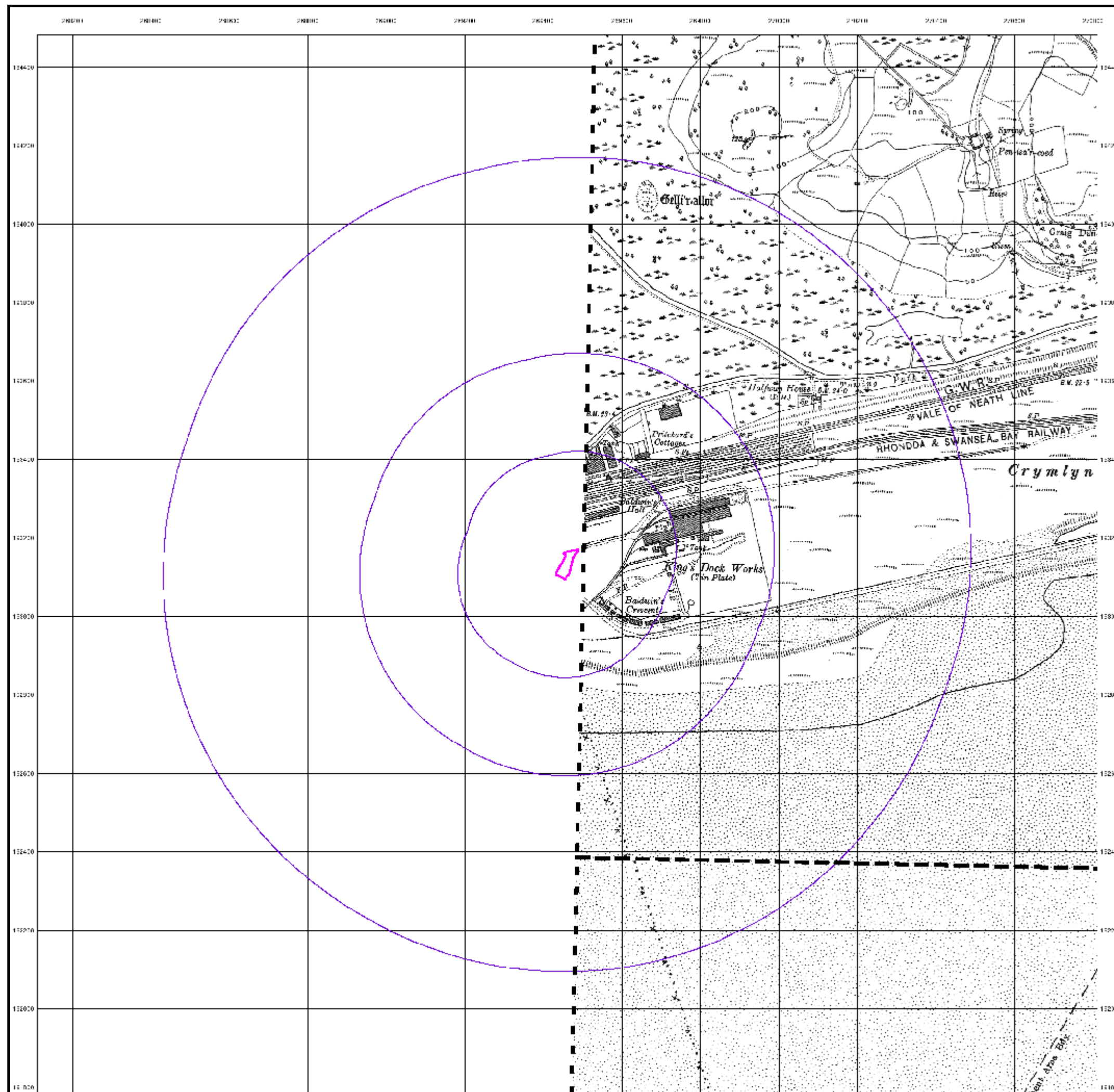


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Site Details

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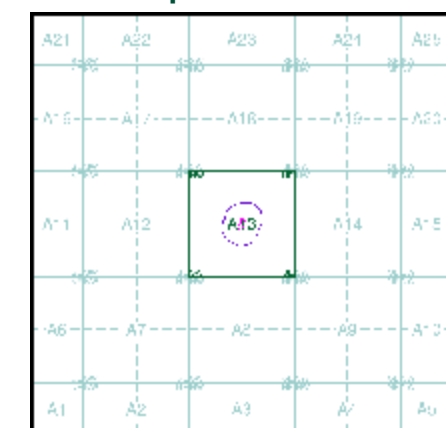


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some 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)

024NW 1938 1:10,560	024NE 1938 1:10,560
024SW 1938 1:10,560	024SE 1951 1:10,560

Historical Map - Slice A

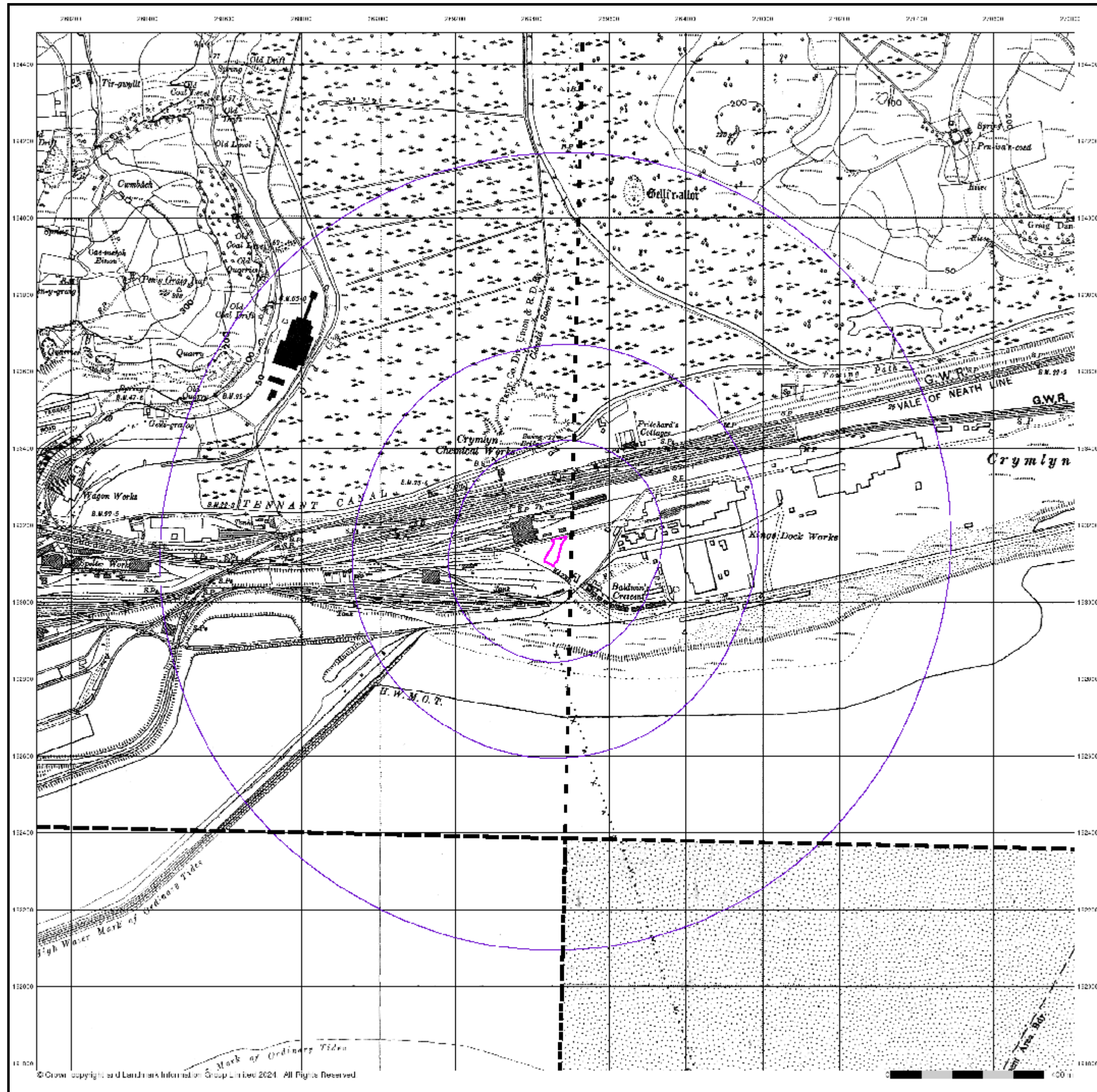


Order Details

Order Number: 363640295_1_1
Customer Ref: 14398/LP
National Grid Reference: 269460, 193130
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 1000

Site Details

Baldwins Crescent, Crymlyn Burrows, SA1 8QB





Historical Aerial Photography

Published 1949

Source map scale - 1:10,560

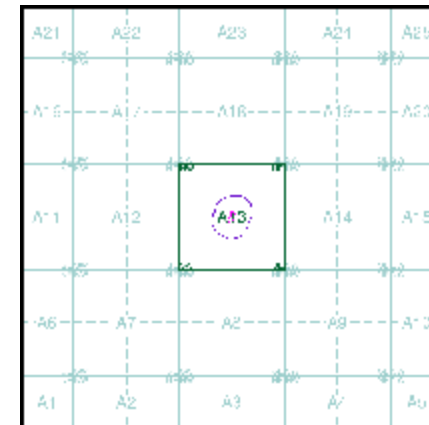
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 1950's meant that every photograph was re-checked for potentially unsafe information with security sites replaced by fake fields or clouds. The original editions were withdrawn and only later made available after a period of fifty years although due to the accuracy of the editing, without viewing both revisions it is not easy to spot the edits. Where available Landmark have included both revisions.

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Map Name(s) and Date(s)

SS69SE 1949 1:10,560	SS79SW 1949 1:10,560
----------------------------	----------------------------

Historical Aerial Photography - Slice A



Order Details

Order Number: 363640295_1_1
Customer Ref: 14398/LP
National Grid Reference: 269460, 193130
Slice: A
Site Area (Ha): 0.19
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Site Details

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Historical Aerial Photography

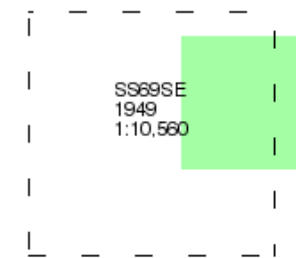
Published 1949

Source map scale - 1:10,560

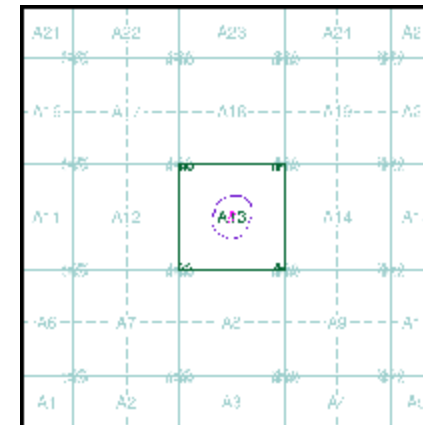
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 1950's meant that every photograph was re-checked for potentially unsafe information with security sites replaced by fake fields or clouds. The original editions were withdrawn and only later made available after a period of fifty years although due to the accuracy of the editing, without viewing both revisions it is not easy to spot the edits. Where available Landmark have included both revisions.

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Map Name(s) and Date(s)



Historical Aerial Photography - Slice A



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Order Number: 363640295_1_1
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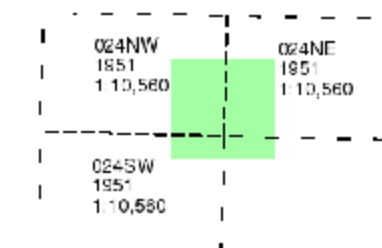
Baldwins Crescent, Crymlyn Burrows, SA1 8QB



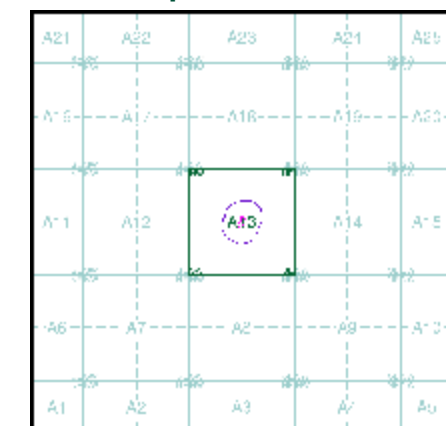
Tel: 0844 844 9952
Fax: 0844 844 9951
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 363640295_1_1
Customer Ref: 14398/LP
National Grid Reference: 269460, 193130
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 1000

Site Details

Baldwins Crescent, Crymlyn Burrows, SA1 8QB



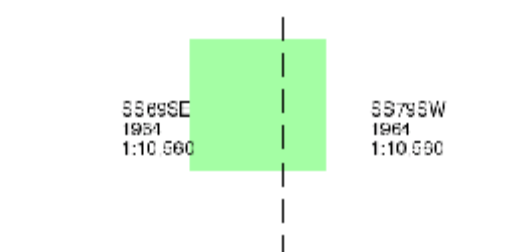
Ordnance Survey Plan

Published 1964

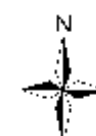
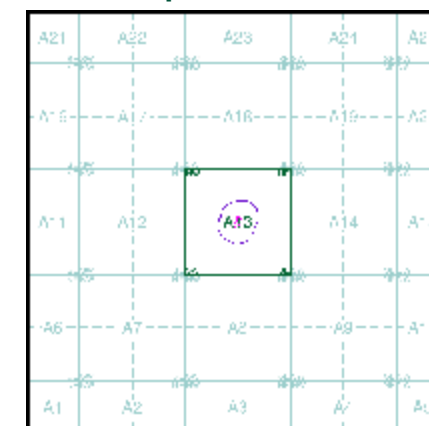
Source map scale - 1:10,000

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: 363640295_1_1
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National Grid Reference: 269460, 193130
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 1000

Site Details

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Swansea

Published 1976

Source map scale - 1:10,000

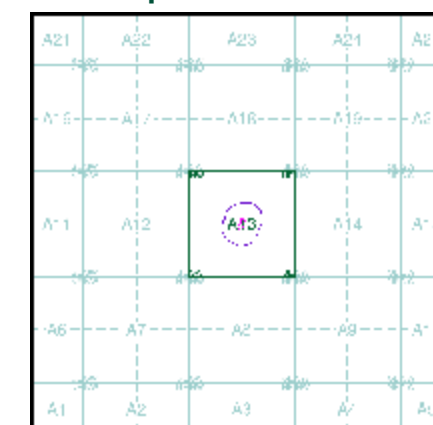
These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use.

They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

Map Name(s) and Date(s)

SS69SE 1976 1:10,000	SS79SW 1976 1:10,000
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Russian Map - Slice A

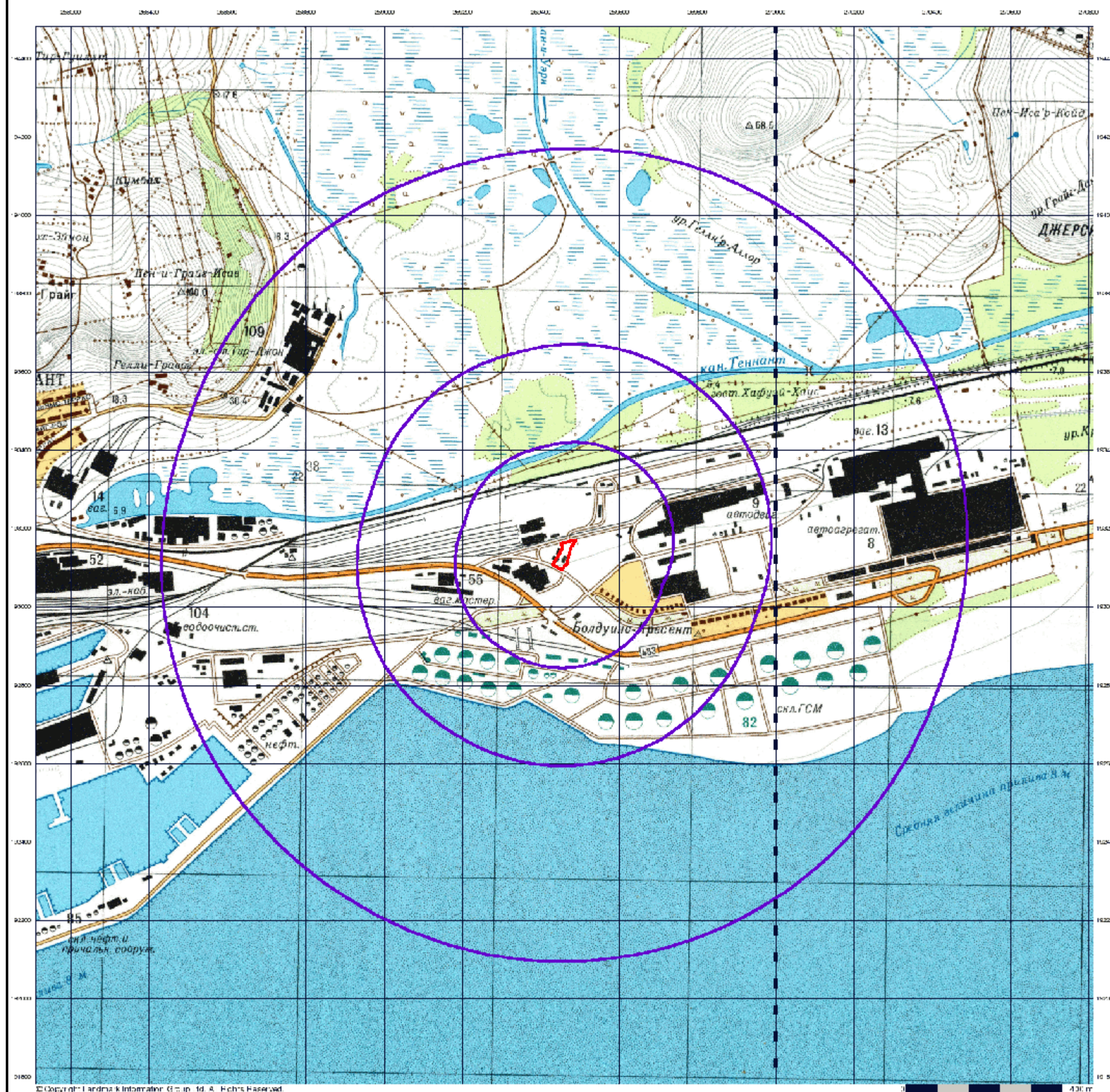


Order Details

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Slice: A
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Site Details

Baldwins Crescent, Crymlyn Burrows, SA1 8QB





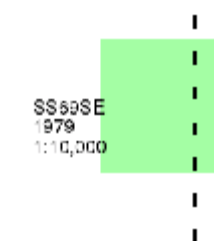
Ordnance Survey Plan

Published 1979

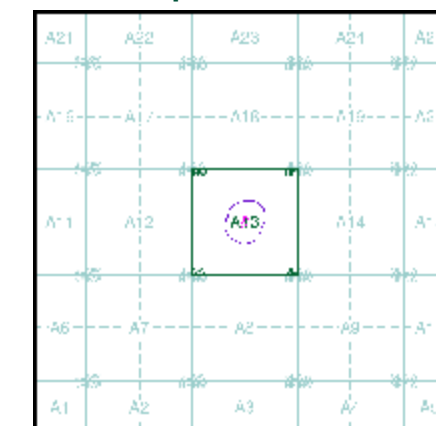
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 363640295_1_1
Customer Ref: 14398/LP
National Grid Reference: 269460, 193130
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 1000

Site Details

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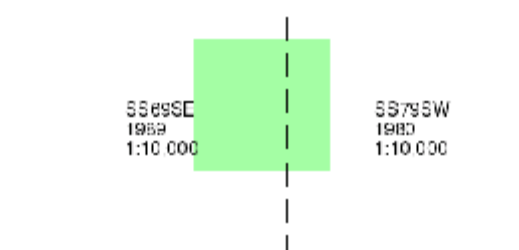
Ordnance Survey Plan

Published 1980 - 1989

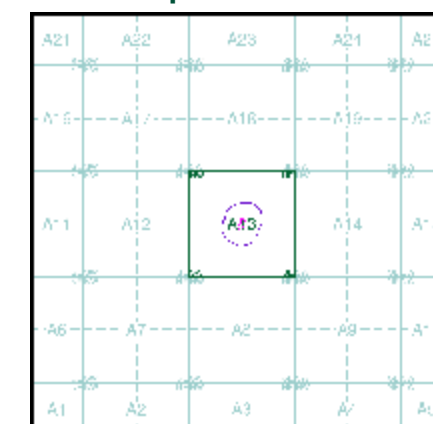
Source map scale - 1:10,000

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: 363640295_1_1
Customer Ref: 14398/LP
National Grid Reference: 269460, 193130
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 1000

Site Details

Baldwins Crescent, Crymlyn Burrows, SA1 8QB



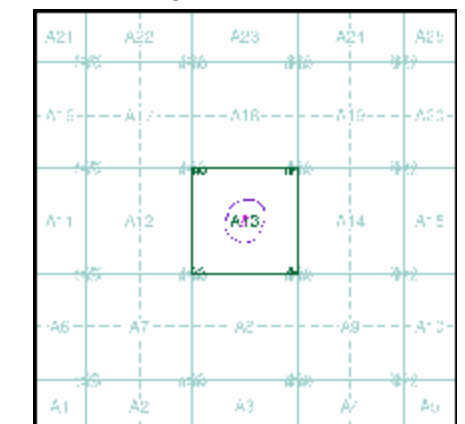
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

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

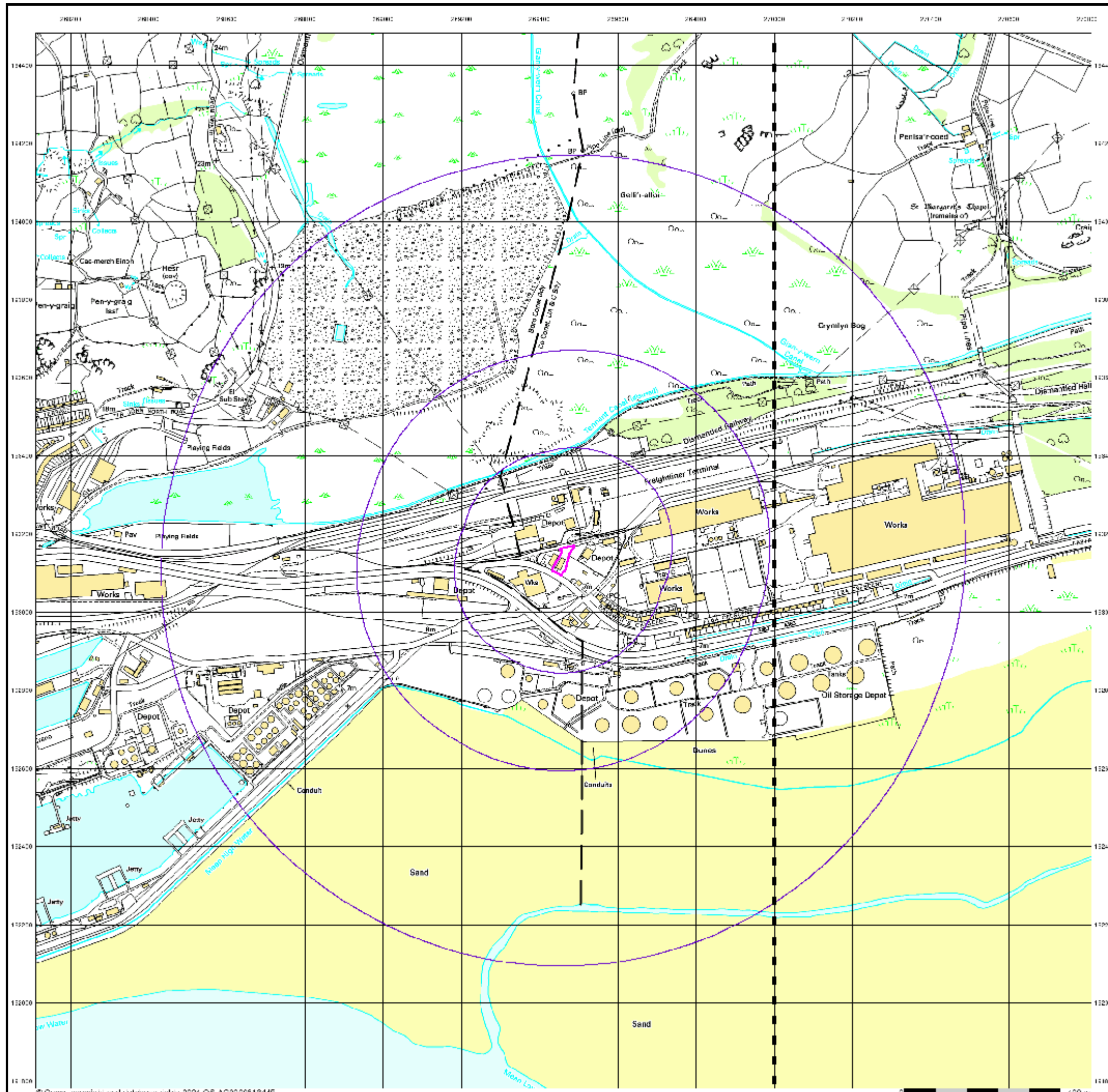


Order Details

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Customer Ref: 14398/LP
National Grid Reference: 269460, 193130
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 1000

Site Details

Baldwins Crescent, Crymlyn Burrows, SA1 8QB





10k Raster Mapping

Published 2006

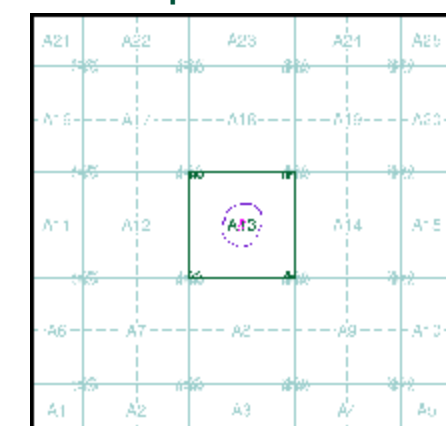
Source map scale - 1:10,000

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: 363640295_1_1
Customer Ref: 14398/LP
National Grid Reference: 269460, 193130
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 1000

Site Details

Baldwins Crescent, Crymlyn Burrows, SA1 8QB



Tel: 0844 844 9952
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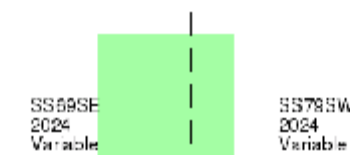
VectorMap Local

Published 2024

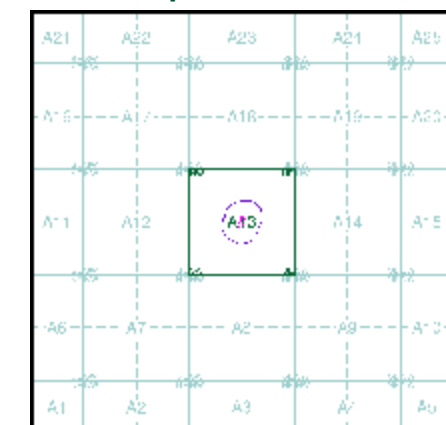
Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities), 1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 363640295_1_1
Customer Ref: 14398/LP
National Grid Reference: 269460, 193130
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 1000

Site Details

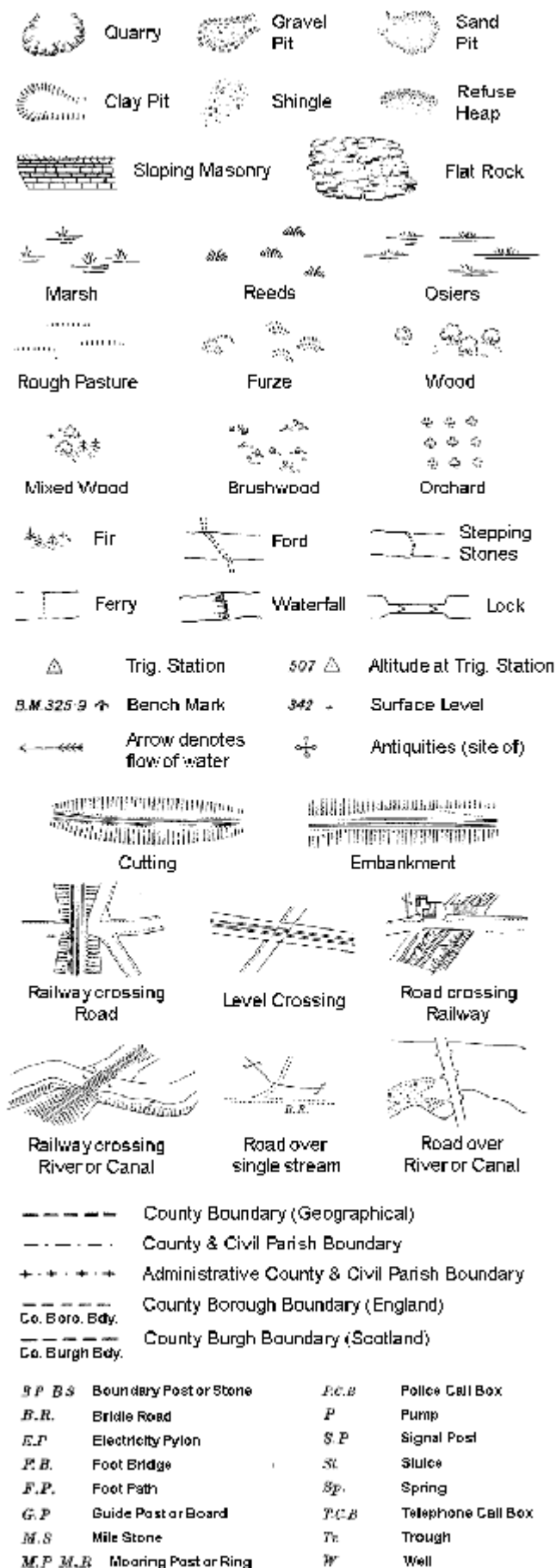
Baldwins Crescent, Crymlyn Burrows, SA1 8QB



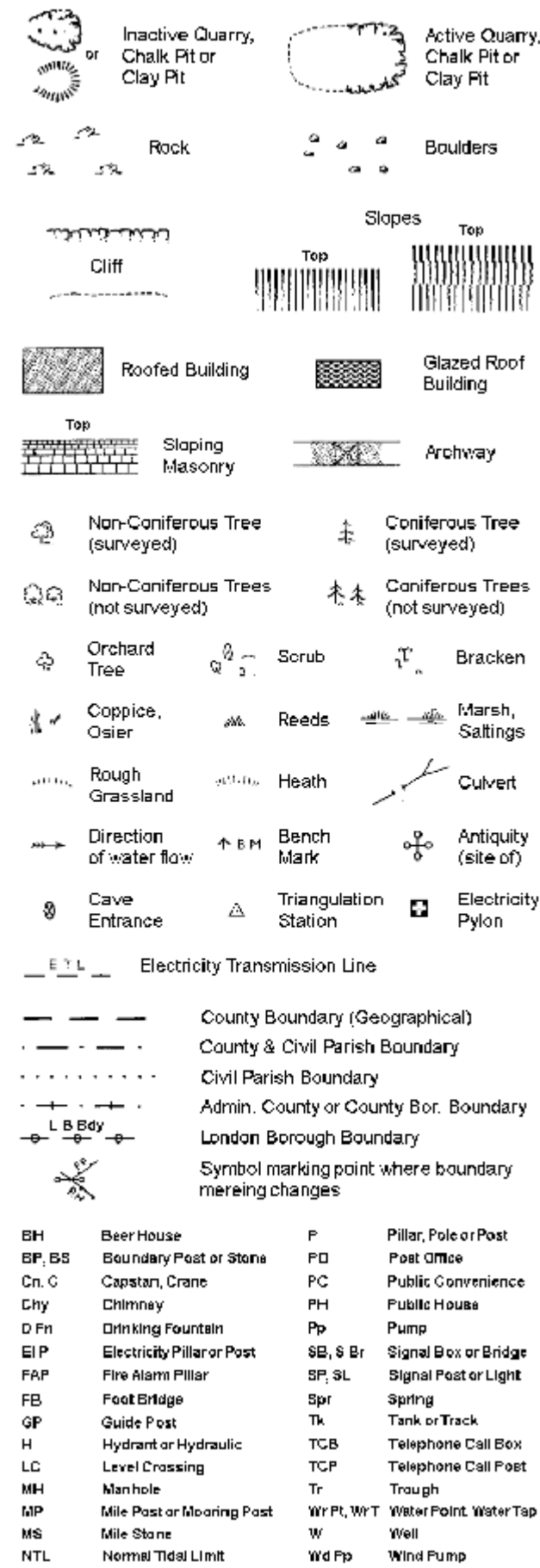
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Historical Mapping Legends

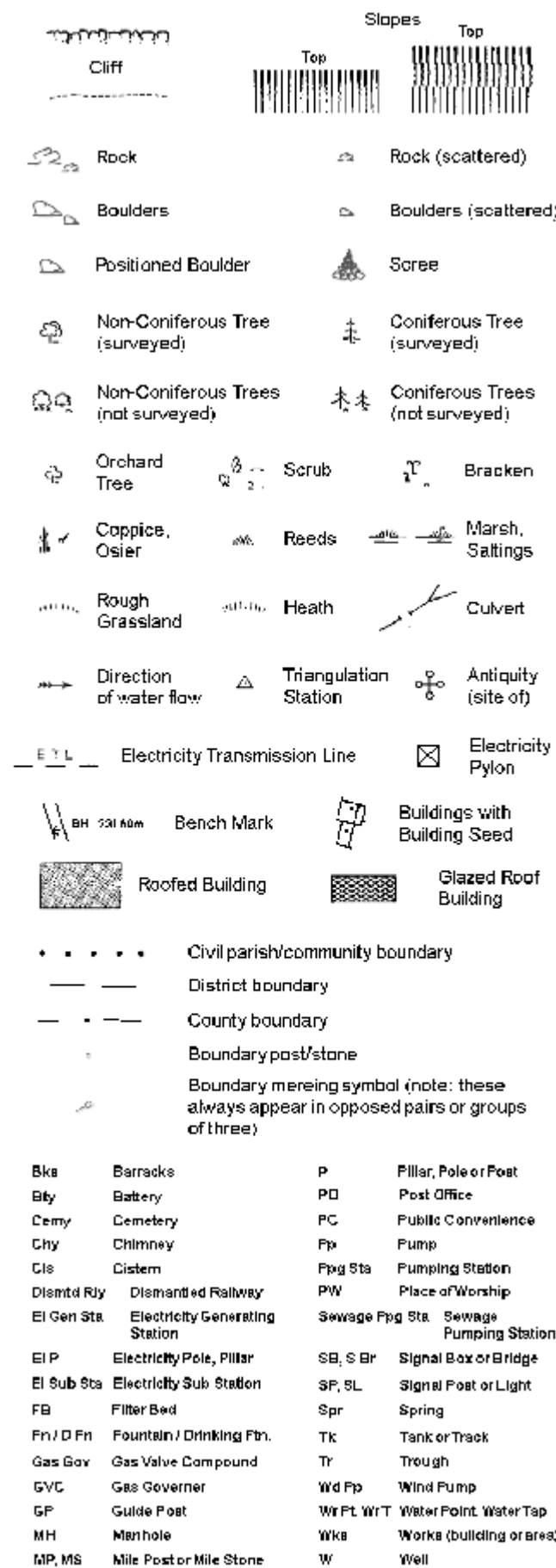
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



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

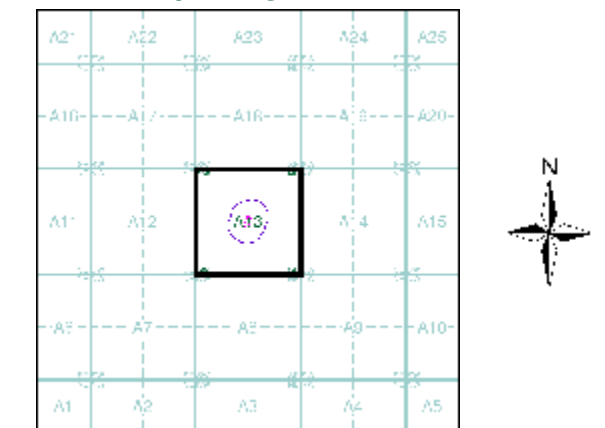


Intégral Géotechnique

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:2,500	1879 - 1881	2
Glamorganshire	1:2,500	1899	3
Glamorganshire	1:2,500	1917 - 1919	4
Glamorganshire	1:2,500	1941	5
Ordnance Survey Plan	1:1,250	1964	6
Additional SIMs	1:1,250	1964 - 1988	7
Ordnance Survey Plan	1:2,500	1968 - 1971	8
Ordnance Survey Plan	1:1,250	1971	9
Large-Scale National Grid Data	1:1,250	1992	10
Large-Scale National Grid Data	1:1,250	1993 - 1994	11
Historical Aerial Photography	1:2,500	2000	12

Historical Map - Segment A13



Order Details

Order Number: 363640295_1_1
 Customer Ref: 14398/LP
 National Grid Reference: 269460, 193130
 Slice: A
 Site Area (Ha): 0.19
 Search Buffer (m): 100

Site Details

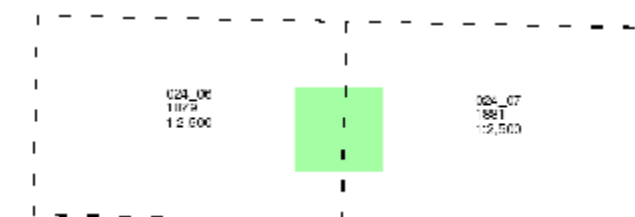
Baldwins Crescent, Crymlyn Burrows, SA1 8QB

Landmark
 INFORMATION GROUP

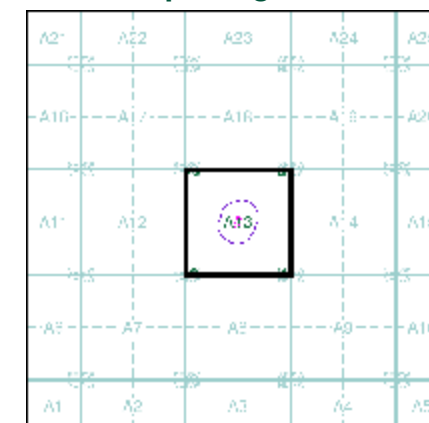
Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk

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Map Name(s) and Date(s)



Historical Map - Segment A13

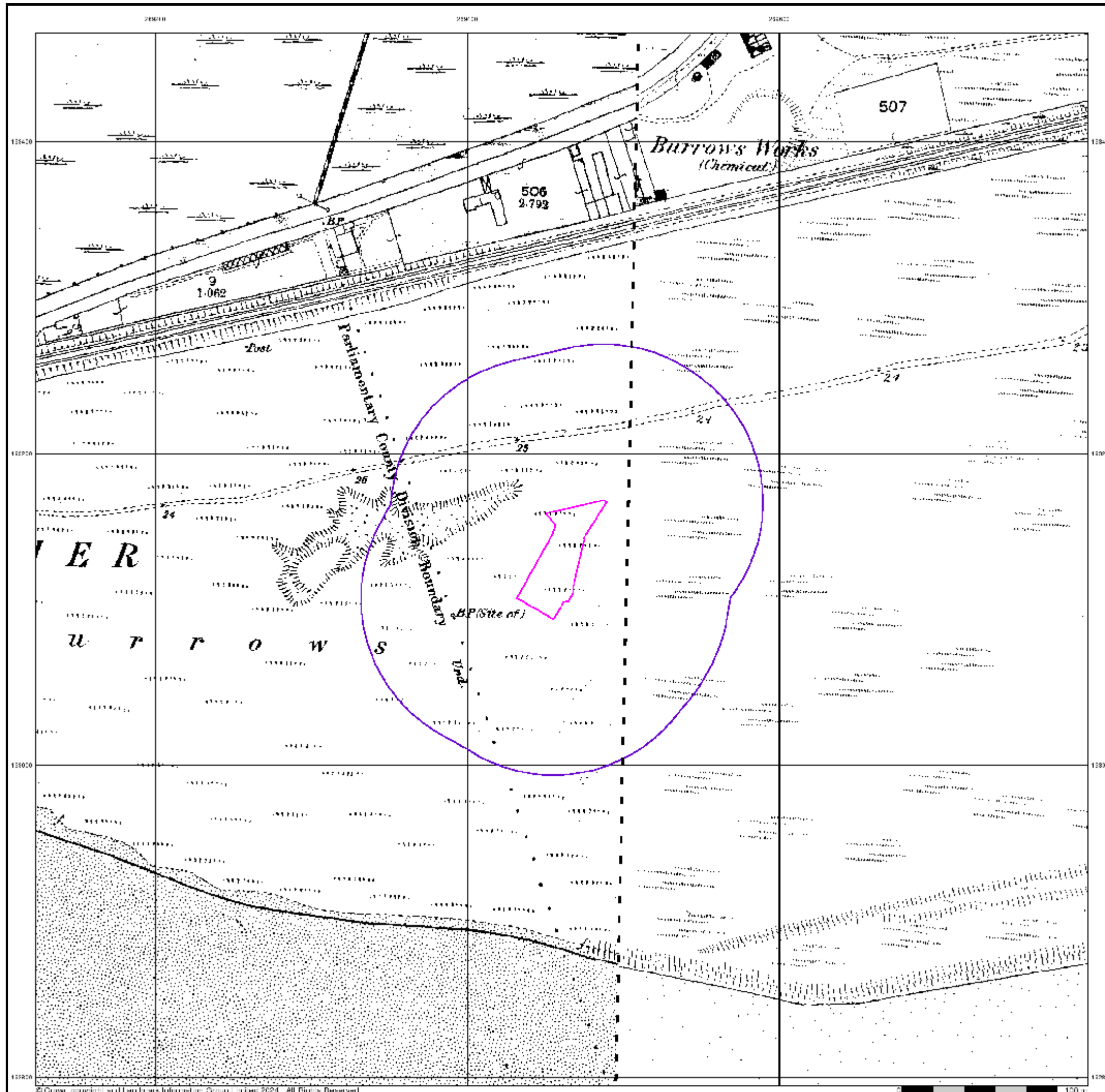


Order Details

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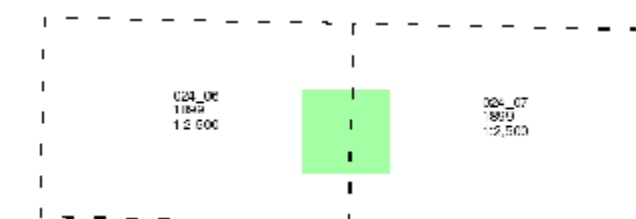
Site Details

Baldwins Crescent, Crymlyn Burrows, SA1 8QB

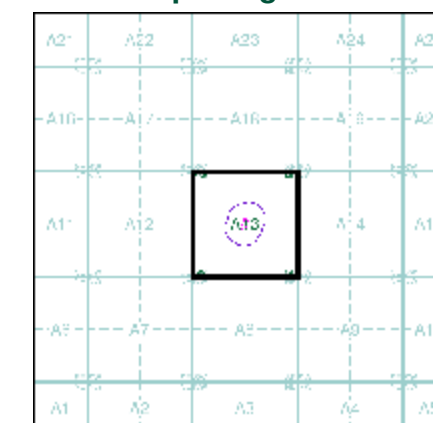


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Historical Map - Segment A13

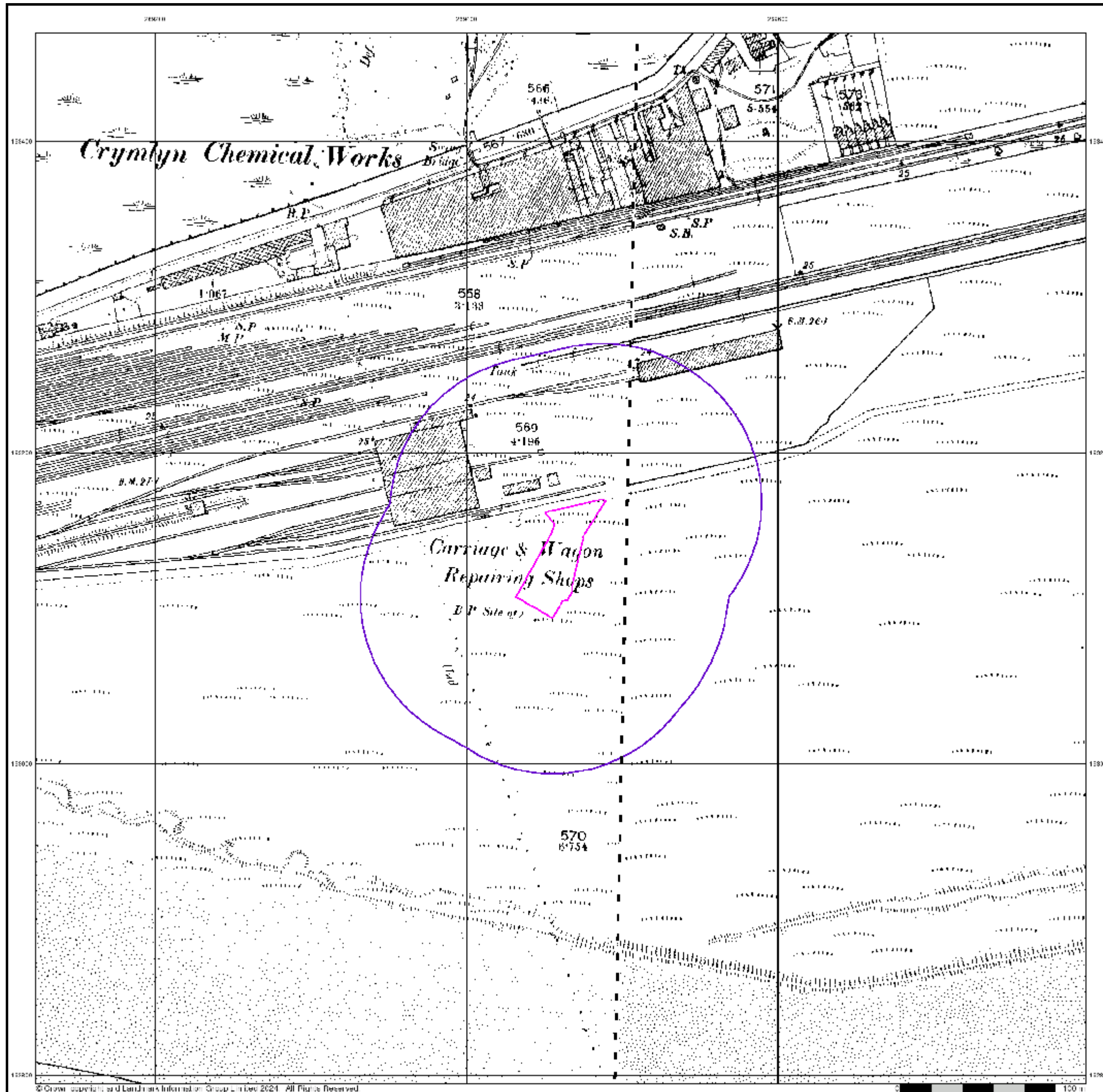


Order Details

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Search Buffer (m): 100

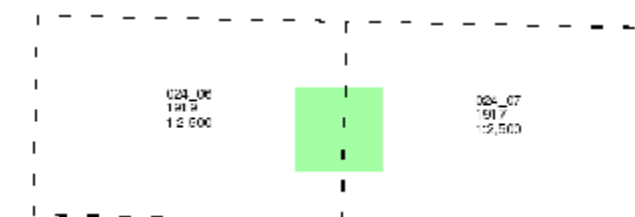
Site Details

Baldwins Crescent, Crymlyn Burrows, SA1 8QB

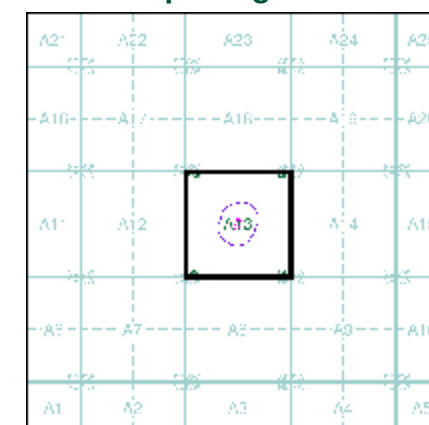


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. 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.

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Historical Map - Segment A13

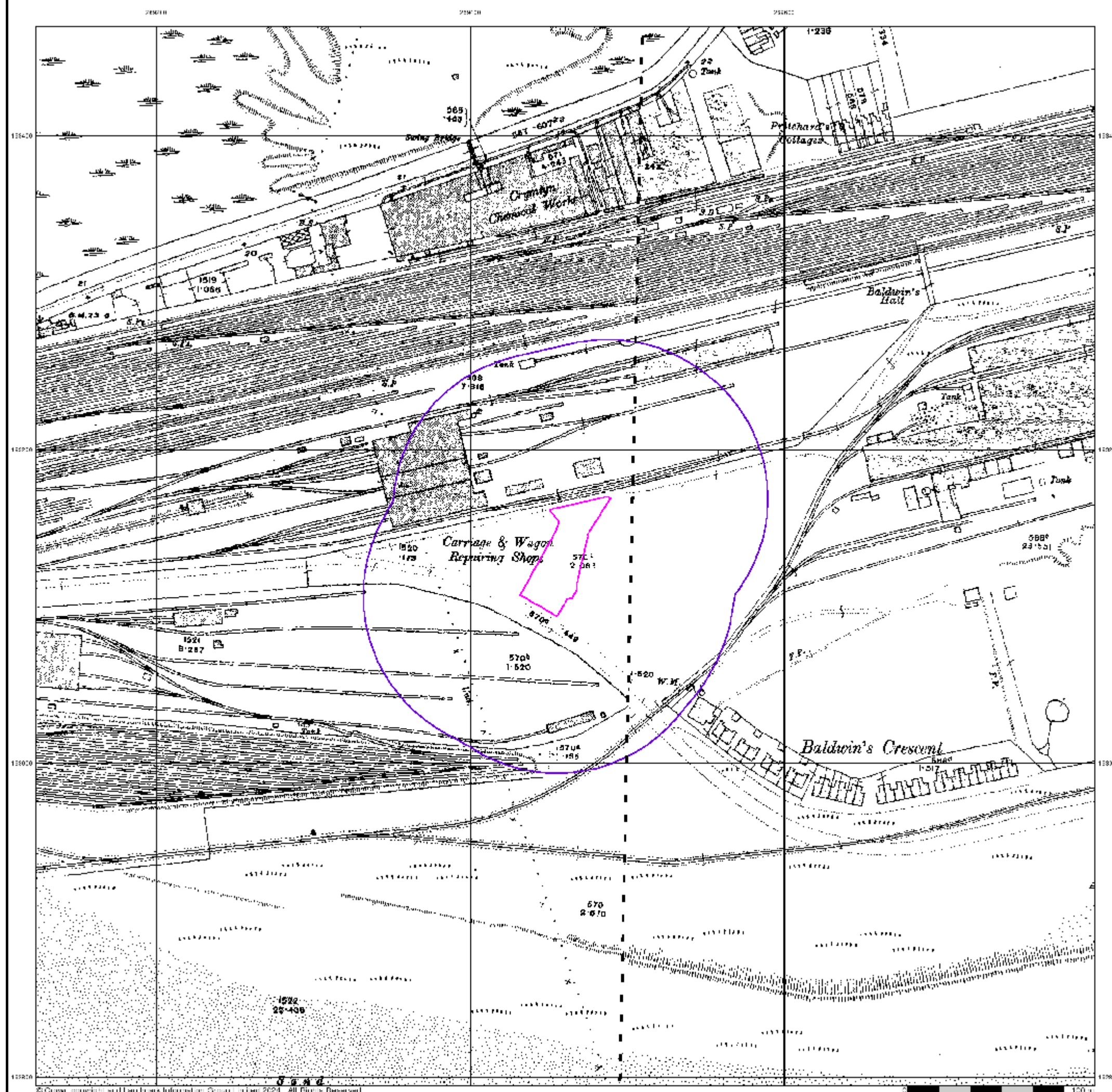


Order Details

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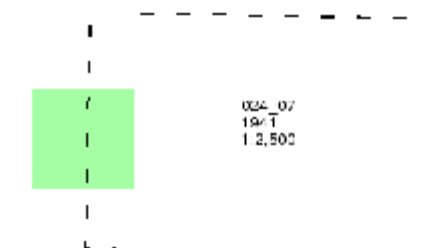
Site Details

Baldwins Crescent, Crymlyn Burrows, SA1 8QB

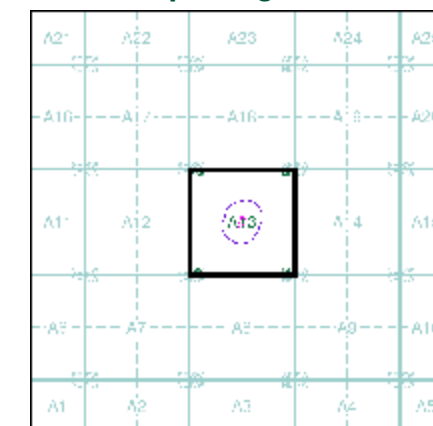


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Historical Map - Segment A13



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Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 100

Site Details

Baldwins Crescent, Crymlyn Burrows, SA1 8QB



Ordnance Survey Plan

Published 1964

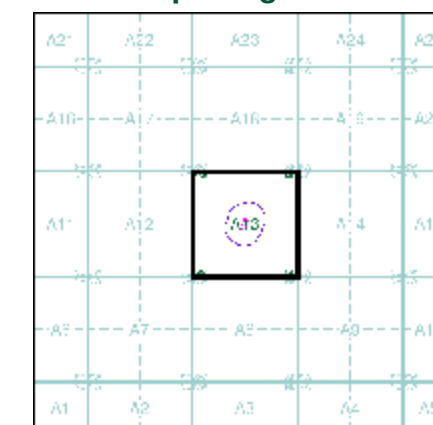
Source map scale - 1:1,250

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)

SE6988SW 1904 1:1,250	SE6988SE 1904 1:1,250
SE6992NW 1904 1:1,250	SE6992NE 1904 1:1,250

Historical Map - Segment A13



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Search Buffer (m): 100

Site Details

Baldwins Crescent, Crymlyn Burrows, SA1 8QB



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

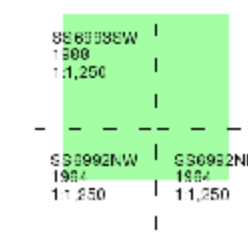
Additional SIMs

Published 1964 - 1988

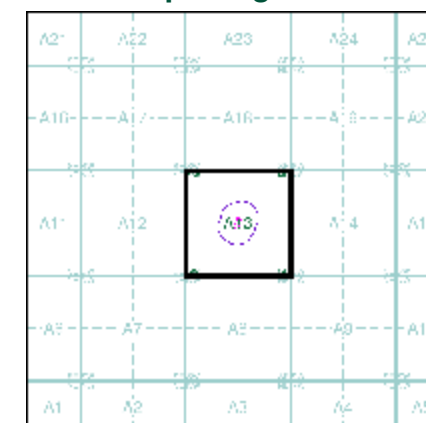
Source map scale - 1:1,250

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: 363640295_1_1
Customer Ref: 14398/LP
National Grid Reference: 269460, 193130
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 100

Site Details

Baldwins Crescent, Crymlyn Burrows, SA1 8QB



Ordnance Survey Plan

Published 1968 - 1971

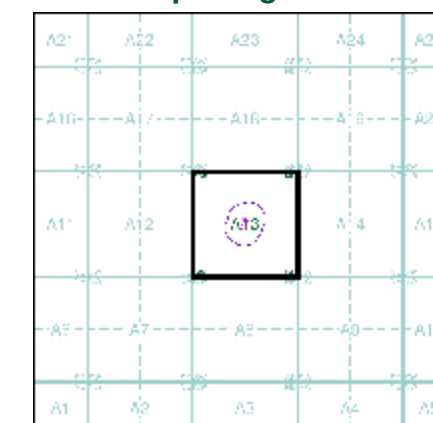
Source map scale - 1:2,500

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)

SS6398
1971
1:2,500
SS6397
1968
1:2,500

Historical Map - Segment A13



Order Details

Order Number: 363640295_1_1
Customer Ref: 14398/LP
National Grid Reference: 269460, 193130
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 100

Site Details

Baldwins Crescent, Crymlyn Burrows, SA1 8QB



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



Ordnance Survey Plan

Published 1971

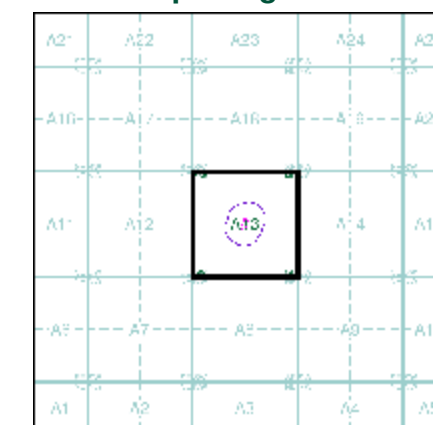
Source map scale - 1:1,250

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: 363640295_1_1
Customer Ref: 14398/LP
National Grid Reference: 269460, 193130
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 100

Site Details

Baldwins Crescent, Crymlyn Burrows, SA1 8QB



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



Large-Scale National Grid Data

Published 1992

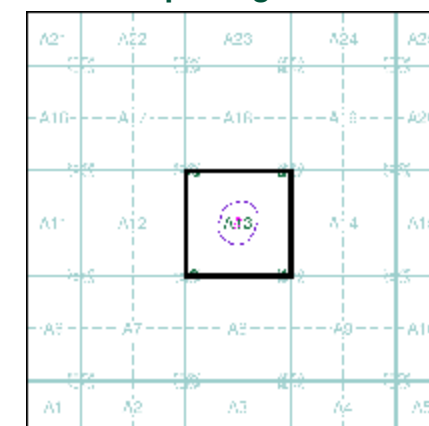
Source map scale - 1:1,250

'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)

SE6398SW 1992 1:1,250	SE6398SE 1992 1:1,250
SE6398NW 1992 1:1,250	SE6398NE 1992 1:1,250

Historical Map - Segment A13



Order Details

Order Number: 363640295_1_1
Customer Ref: 14398/LP
National Grid Reference: 269460, 193130
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 100

Site Details

Baldwins Crescent, Crymlyn Burrows, SA1 8QB



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

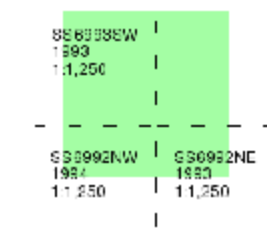
Large-Scale National Grid Data

Published 1993 - 1994

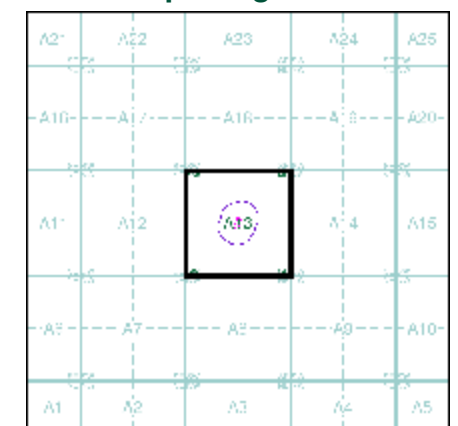
Source map scale - 1:1,250

'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

Order Number: 363640295_1_1
Customer Ref: 14398/LP
National Grid Reference: 269460, 193130
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 100

Site Details

Baldwins Crescent, Crymlyn Burrows, SA1 8QB

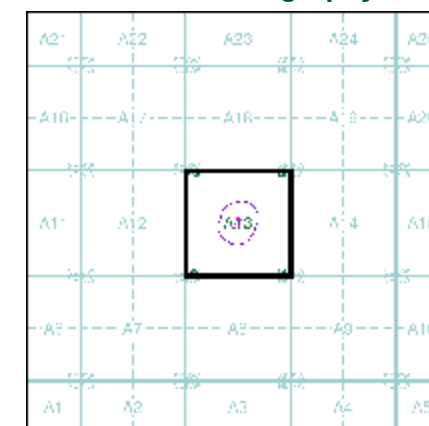


Historical Aerial Photography

Published 2000

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment A13



Order Details

Order Number: 363640295_1_1
Customer Ref: 14398/LP
National Grid Reference: 269460, 193130
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 100

Site Details

Baldwins Crescent, Crymlyn Burrows, SA1 8QB



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

Envirocheck[®] Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:

363640295_1_1

Customer Reference:

14398/LP

National Grid Reference:

269460, 193130

Slice:

A

Site Area (Ha):

0.19

Search Buffer (m):

1000

Site Details:

Baldwins Crescent

Crymlyn Burrows

SA1 8QB

Client Details:

MR H Pritchard

Integral Geotechnique

Integral House

7 Beddau Way

Castlegate Business Park

Caerphilly

CF83 2AX

Report Section and Details	Page Number
Summary	-
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected. For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).	
Mining and Natural Cavities Data	1
The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities. Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.	
Historical Land Use Information (1:2,500)	3
The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative. For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.	
Historical Land Use Information (1:10,000)	4
The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses. For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.	
Ground Stability Data (1:50,000)	6
The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.	
Historical Map List	7
The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.	
Data Currency	8
Data Suppliers	9
Useful Contacts	10

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The brine subsidence data relating to the Driotwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites	pg 1			1	3
Coal Mining Affected Areas	pg 1	Yes	n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability	pg 1	Yes	n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential Mining Areas	pg 1			1	3
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)	pg 3		1	n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)	pg 3	1	1	n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 3		3	n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts					
Disturbed Ground					
General Quarrying	pg 4				1
Heap, unknown constituents	pg 4			1	1
Mineral Railway	pg 4		1	1	1
Mining & quarrying general					
Mining of coal & lignite	pg 4				1
Quarrying of sand & clay, operation of sand & gravel pits	pg 4			1	
Former Marshes	pg 4				1
Potentially Infilled Land (Non-Water)	pg 4			1	1
Potentially Infilled Land (Water)	pg 4		2	1	8
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 6	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 6	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 6	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 6	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 6	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 6	Yes		n/a	n/a
Salt Mining Related Features					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	BGS Recorded Mineral Sites Site Name: Halfway House Sand Pit Location: Swansea, West Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 156440 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Blown Sand Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	366	1	269663 193491
2	BGS Recorded Mineral Sites Site Name: Tir John Mine Location: Port Tennant, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 58271 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Penlan Coal, Rhonda Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	873	1	268705 193615
3	BGS Recorded Mineral Sites Site Name: Tir John Mine Location: Port Tennant, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 58272 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Penlan Coal, Rhonda Member Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	959	1	268690 193745
4	BGS Recorded Mineral Sites Site Name: Tir John North Road Location: Port Tennant, Swansea, Glamorgan Source: British Geological Survey, National Geoscience Information Service Reference: 58269 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rhondda Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	993	1	268570 193620
	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 (SW)	0	2	269461 193134
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NE (SW)	0	3	269461 193134
	Non Coal Mining Areas of Great Britain No Hazard				
5	Potential Mining Areas Name: Tir John North Ceased Operation: 1867 Commodity: Coal; Slaty Reference: Not Supplied Alternate Name/Mine: Not Supplied Custodian: Mrs. J. Stephens, Quarry Houses, Trallwyn Road, Llansamlet.	A12NE (W)	343	4	269102 193198

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Potential Mining Areas Name: Tan-y-Graig Ceased Operation: 1864 Commodity: Coal; Seam unnamed Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Richard and Matthews, Salubrious Place, Swansea.	A12NW (W)	739	4	268699 193207
7	Potential Mining Areas Name: Tan-y-Graig Ceased Operation: 1866 Commodity: Coal; Daffatty Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: E. Evans Bevan, High Street, Neath.	A12NW (W)	739	4	268699 193207
8	Potential Mining Areas Name: Llansamlet Ceased Operation: Not Supplied Commodity: Coal Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A17SW (NW)	867	4	268708 193609

Historical Land Use Information (1:2,500)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	Extractive Industries or Potential Excavations from 1855-1909 Use: Unspecified Pit First Map Published 1879 Date: Last Map Published Not Applicable Date:	A13NW (NW)	21	-	269431 193171
10	Extractive Industries or Potential Excavations from 1906-1937 Use: King's Dock First Map Published 1917 Date: Last Map Published 1919 Date:	A13NE (SW)	0	-	269461 193134
11	Extractive Industries or Potential Excavations from 1906-1937 Use: Railway Embankment First Map Published 1919 Date: Last Map Published Not Applicable Date:	A13SW (S)	89	-	269429 193009
12	Extractive Industries or Potential Excavations from 1950-1980 Use: Unspecified Deposited Material First Map Published 1964 Date: Last Map Published N/A Date:	A13SW (SW)	22	-	269415 193093
13	Extractive Industries or Potential Excavations from 1950-1980 Use: Unspecified Deposited Material First Map Published 1964 Date: Last Map Published N/A Date:	A13NW (N)	29	-	269457 193193
14	Extractive Industries or Potential Excavations from 1950-1980 Use: Unspecified Deposited Material First Map Published 1964 Date: Last Map Published N/A Date:	A13SE (S)	59	-	269479 193040

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	General Quarrying Use: Not Supplied Date of Mapping: 1900 - 1938	A17SW (NW)	972	-	268593 193619
16	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1964 - 1989	A18SW (NW)	448	-	269263 193568
17	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1964	A17SE (NW)	688	-	268949 193632
18	Mineral Railway Use: Not Supplied Date of Mapping: 1921 - 1938	A13SW (S)	133	-	269435 192963
19	Mineral Railway Use: Not Supplied Date of Mapping: 1921 - 1938	A13SE (SE)	330	-	269767 192973
20	Mineral Railway Use: Not Supplied Date of Mapping: 1921 - 1938	A12NW (W)	654	-	268785 193198
21	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1900	A17SW (NW)	956	-	268697 193748
22	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1900	A18SE (NE)	332	-	269621 193474
23	Former Marshes Use: Former Marsh Date of Mapping: 1964	A18NW (N)	732	-	269193 193846
24	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A18SE (NE)	332	-	269621 193474
25	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A17SW (NW)	956	-	268697 193748
26	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A13SW (S)	207	-	269439 192888
27	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13SE (S)	233	-	269513 192868
28	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A13SE (E)	314	-	269774 193035
29	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1884	A12SE (W)	631	-	268804 193053
30	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A18SW (N)	658	-	269263 193792
31	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A17SE (NW)	715	-	268941 193663
32	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A17SE (NW)	769	-	268795 193562
33	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A18NW (N)	794	-	269202 193916
34	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A18NW (N)	884	-	269283 194030
35	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1900	A19SE (NE)	897	-	270231 193672

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A19SE (NE)	899	-	270216 193696

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	269461 193134
37	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	6	1	269454 193168
38	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	239	1	269365 193385
39	Potential for Compressible Ground Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	247	1	269435 193411
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	269461 193134
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	173	1	269419 193332
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	269461 193134
40	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	269461 193134
41	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	6	1	269454 193168
42	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	105	1	269544 193033
43	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	173	1	269419 193332
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	269461 193134
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (SW)	0	1	269461 193134

The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Glamorganshire	024_06	1879
Glamorganshire	024_07	1881
Glamorganshire	024_06	1899
Glamorganshire	024_07	1899
Glamorganshire	024_07	1917
Glamorganshire	024_06	1919
Glamorganshire	024_07	1941
Ordnance Survey Plan	SS6992	1968
Ordnance Survey Plan	SS6993	1971

The following mapping has been analysed for Historical Land Use Information (1:10,000):

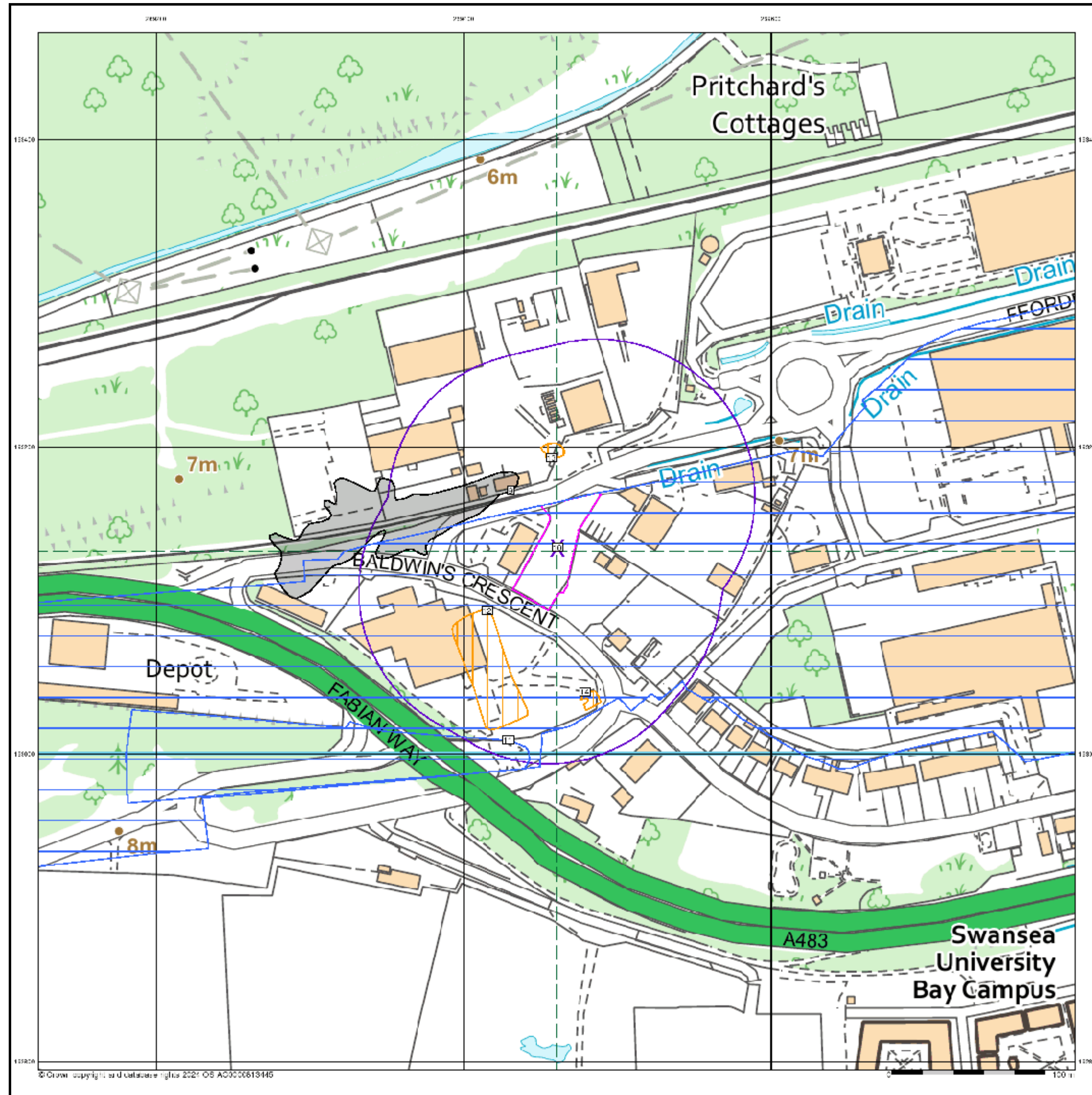
1:10,560	Mapsheet	Published Date
Glamorganshire	024_00	1884
Glamorganshire	024_NE	1900
Glamorganshire	024_NW	1900
Glamorganshire	024_SE	1900
Glamorganshire	024_SW	1900
Glamorganshire	024_NE	1921
Glamorganshire	024_NW	1921
Glamorganshire	024_SE	1921
Glamorganshire	024_SW	1921
Glamorganshire	024_NE	1938
Glamorganshire	024_NW	1938
Glamorganshire	024_SW	1938
Glamorganshire	024_SE	1951
Ordnance Survey Plan	SS69SE	1964
Ordnance Survey Plan	SS79SW	1964
1:10,000	Mapsheet	Published Date
Ordnance Survey Plan	SS79SW	1980
Ordnance Survey Plan	SS69SE	1989

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	March 2024	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Man Made Mining Cavities Stantec UK Ltd	December 2023	Bi-Annually
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities Stantec UK Ltd	December 2023	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	Version	Update Cycle
Subterranean Features Landmark Information Group Limited	July 2023	Bi-Annually
Ground Stability Data (1:50,000)	Version	Update Cycle
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Brine Subsidence Solution Area Johnson Poole & Bloomer	December 2020	

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
British Geological Survey	
The Coal Authority	
Ove Arup	
Stantec UK Ltd	
Wardell Armstrong	
Johnson Poole & Bloomer	

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	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
3	Ove Arup & Partners Central Square, Forth Street, Newcastle upon Tyne, Tyne and Wear, NE1 3PL	Telephone: 0191 261 6080 Fax: 0191 261 7879
4	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9960 Fax: 0844 844 9951 Email: customerservice@promap.co.uk Website: www.landmarkinfo.co.uk
-	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



Intégral Géotechnique

Historical Land Use Information (1:2,500)

General

- Specified Site
- Specified Extent(s)
- Existing Reference Point
- Map ID
- Several of Types Location

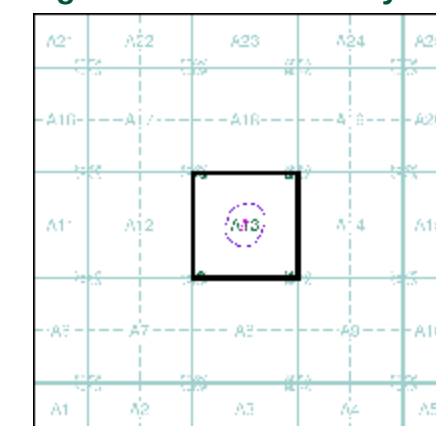
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	Point	Line	Polygon
Extractive Industries Activity from 1655 - 1909			
Extractive Industries Activity from 1893 - 1916			
Extractive Industries Activity from 1905 - 1907			
Extractive Industries Activity from 1924 - 1949			
Extractive Industries Activity from 1951 - 1961			

Subterranean Features

	Point	Line	Polygon
Subterranean Features			

Mining and Ground Stability - Segment A13



Order Details

Order Number: 363640295_1_1
Customer Ref: 14398/LP
National Grid Reference: 269460, 193130
Slice: A
Site Area (Ha): 0.19
Plot Buffer (m): 100

Site Details

Baldwins Crescent, Crymlyn Burrows, SA1 8QB

Landmark
INFORMATION GROUP

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

Historical Land Use Information (1:10,000)

General

Specified Site Specified Buffer(s) Using Reference Point Map ID
Relevant Types of Location

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

	Point	Line	Polygon
Air Smelter			
Disturbed Ground			
General Excavating			
Hazardous Waste Treatment			
Mineral Processing			
Mining and Quarrying General			
Mining of Coal & Lignite			
Quarrying, Sealing Clay, Operation of Lenses and Gravel Pits			

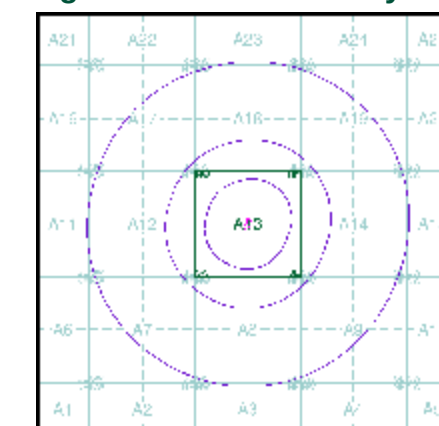
Historical Land Use

	Point	Line	Polygon
Historically Inhabited Land (Non-Mining)			
Historically Inhabited Land (Mining)			
Former Marsh			

Mining Data

Historical Mining Area
UPPS Recorded Minerals Site

Mining and Ground Stability - Slice A

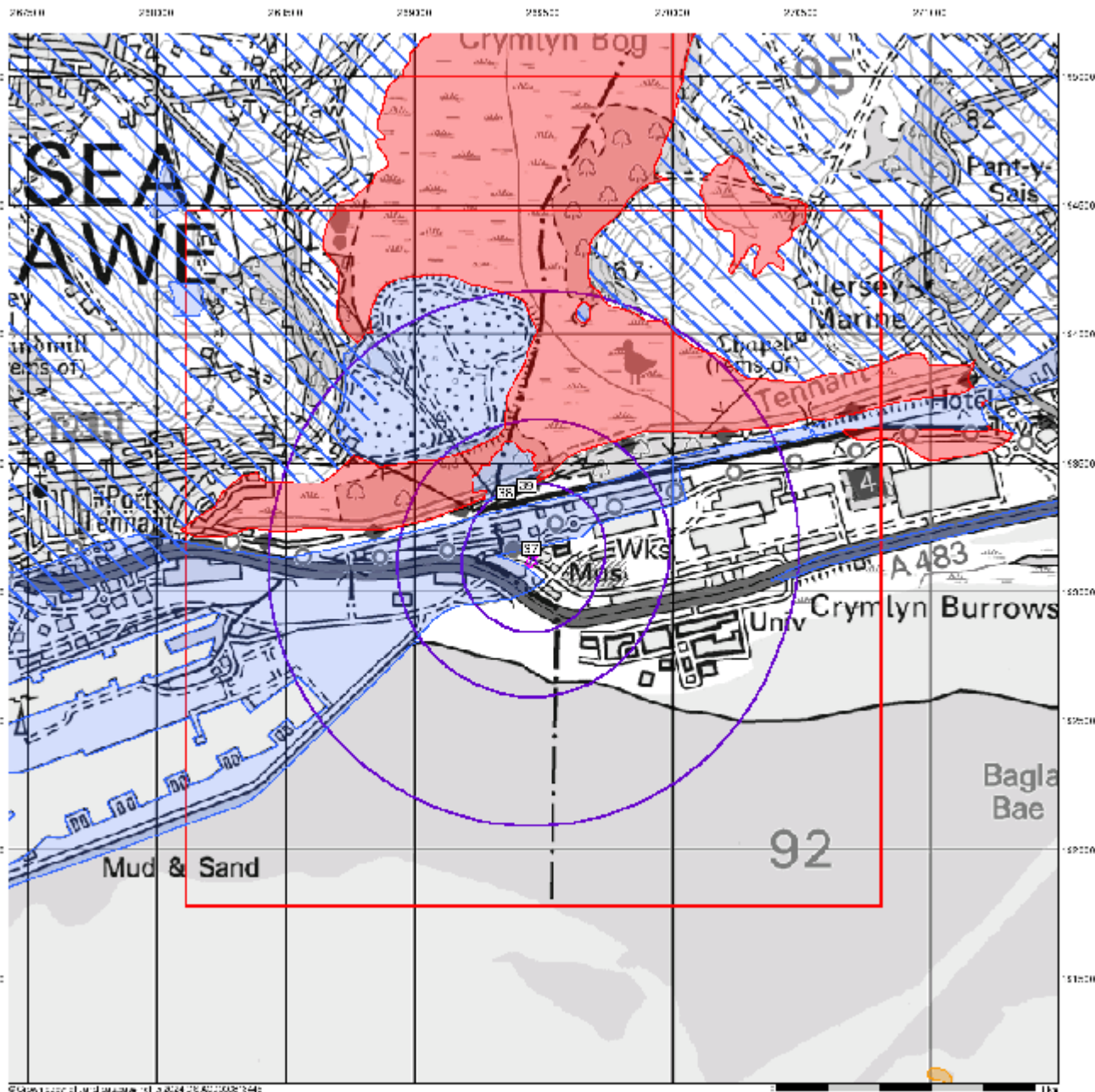


Order Details

Order Number: 363640295_1_1
Customer Ref: 14398/LP
National Grid Reference: 269460, 193130
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 1000

Site Details

Baldwins Crescent, Crymlyn Burrows, SA1 8QB



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Intégral Géotechnique

Ground Stability Data (1:50,000)

General

- Flooded Area
- Spot Level Boundary
- Boiling Reference Point
- Ffow
- Manhole

Potential for Compressible Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

Potential for Collapsible Ground Stability Hazards

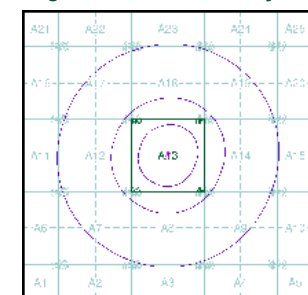
- High
- Low
- Moderate
- Very Low

Brine Pumping and Salt Mining

- Brine Pumping Station
- Salt Mining Station

- Point**
- Polygon**

Mining and Ground Stability - Slice A



Order Details

Order Number: 363640295_1_1
 Customer Ref: 14398/LP
 National Grid Reference: 269460, 193130
 Slice: A
 Site Area (Ha): 0.19
 Search Buffer (m): 1000

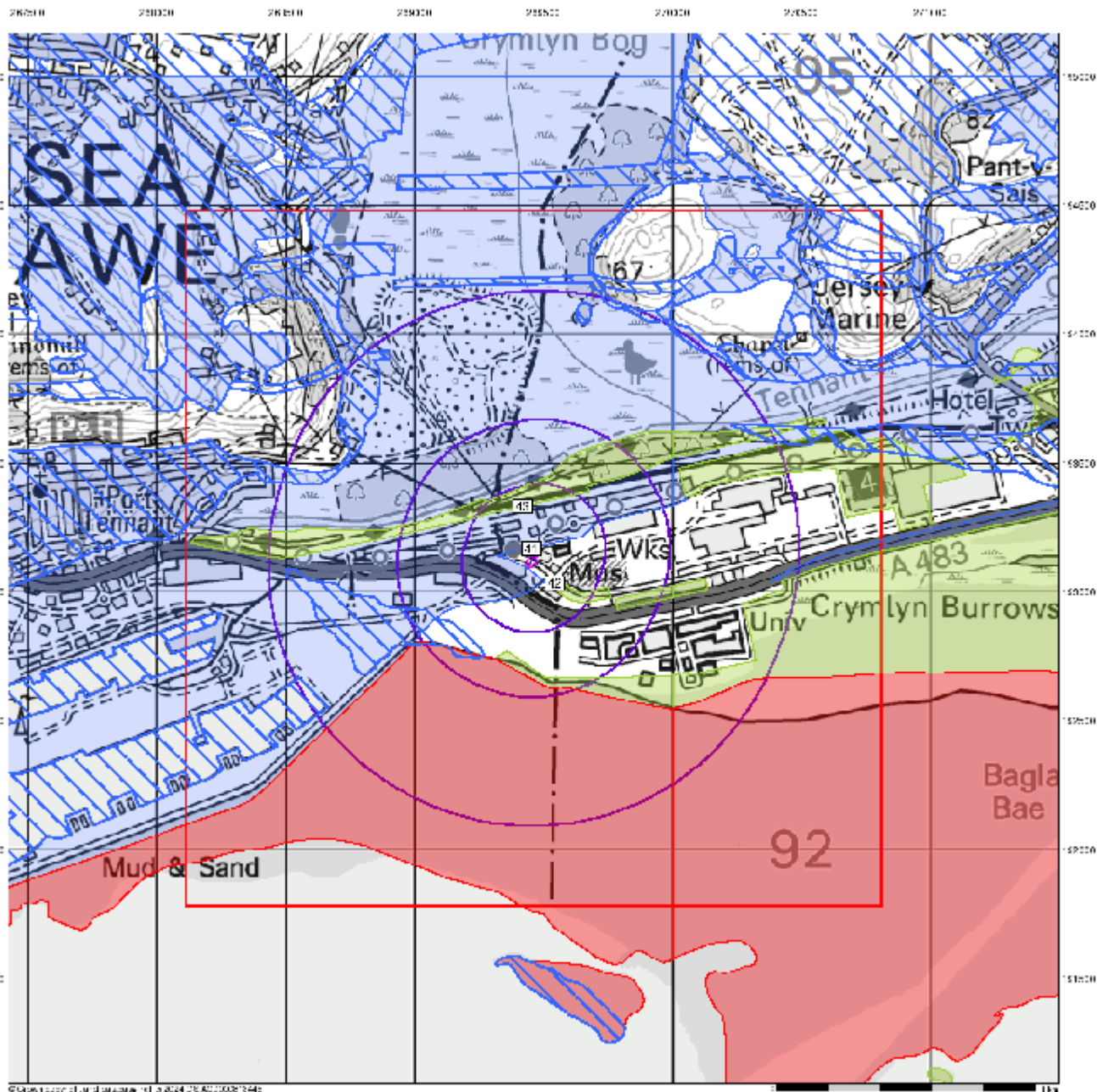
Site Details

Baldwins Crescent, Crymlyn Burrows, SA1 8QB

Landmark
 NFORMATI ON GROUP

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





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Intégral Géotechnique

Ground Stability Data (1:50,000)

General

Specific Site
 General Site
 Area
 Boundary
 Existing Features Not

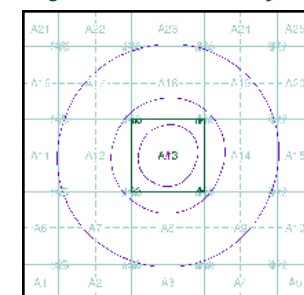
Potential for Running Sand Ground Stability Hazards

High
 Moderate
 Low
 Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

High
 Moderate
 Low
 Very Low

Mining and Ground Stability - Slice A



Order Details

Order Number: 363640295_1_1
 Customer Ref: 14398/LP
 National Grid Reference: 269460, 193130
 Slice: A
 Site Area (Ha): 0.19
 Search Buffer (m): 1000

Site Details

Baldwins Crescent, Crymlyn Burrows, SA1 8QB

Landmark
 NFORMATI ON GROUP

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

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:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

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

Order Details

Order Number: 363640295_1_1
Customer Ref: 14398/LP
National Grid Reference: 269460, 193130
Site Area (Ha): 0.19
Search Buffer (m): 1000

Site Details

Baldwins Crescent, Crymlyn Burrows, SA1 8QB

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<http://www.landmarkinfo.co.uk/Terms/Show/515>

APPENDIX B

BGS RADON GEOREPORT

Laura Pullin
Integral Geotechnique (Wales) Ltd
Integral House
7 Beddau Way
Caerphilly
CF83 2AX

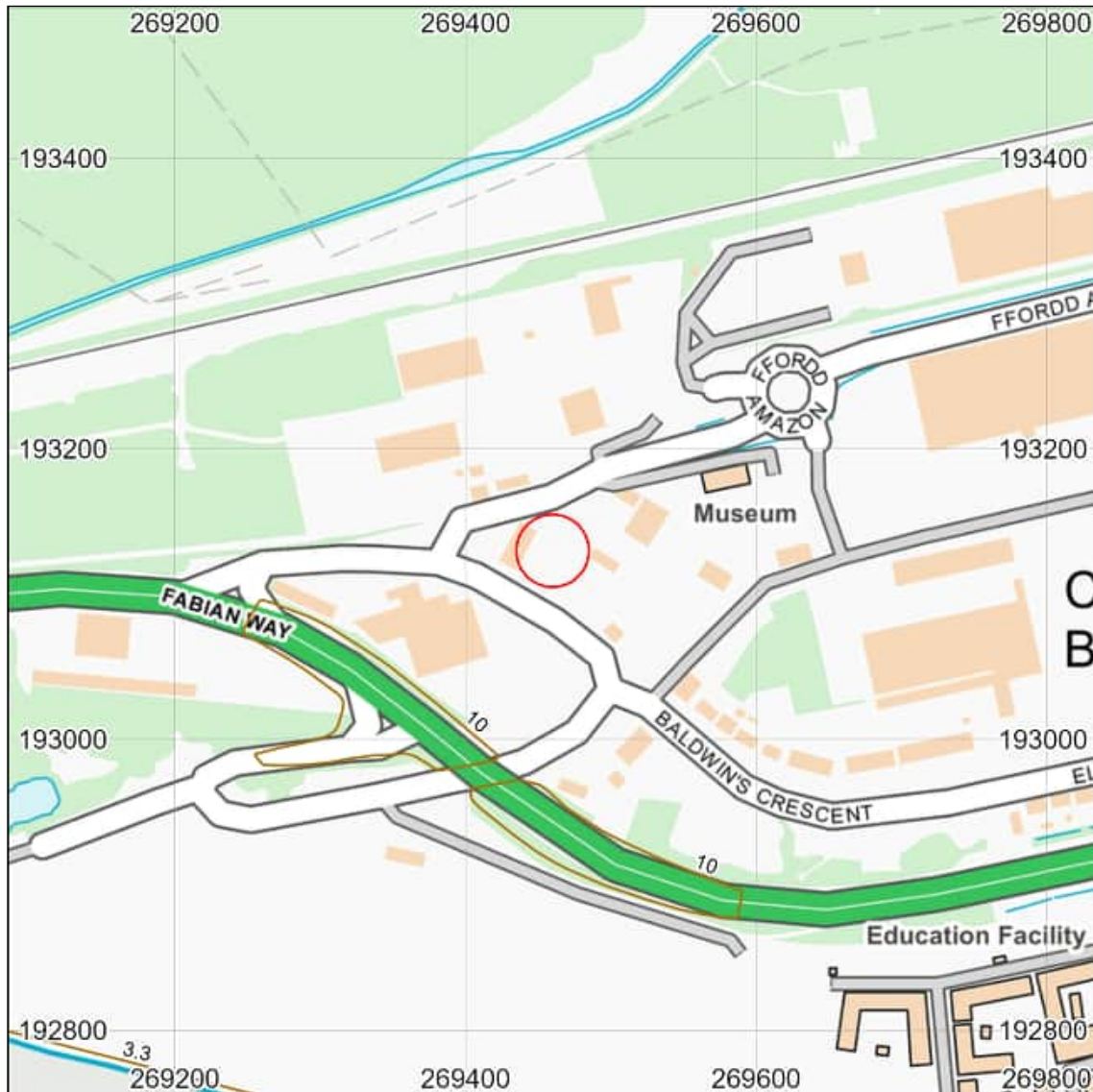
Radon Report

Advisory report on the requirement for radon protective measures in new buildings, conversions and extensions to existing buildings. The report also indicates whether a site is located within a radon Affected Area

Report Id: *BGS_340786/57676*

Client reference: 14398 Baldwins Crescent, Swansea

Search location



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Search location indicated in red

Area centred at: 269460,193130

Radius of site area: 25 metres

Radon Report: UK

When extensions are made to existing buildings in high radon areas, or new buildings are constructed in these areas, the Building Regulations for England, Wales, Scotland and Northern Ireland require that protective measures are taken against radon entering the building.

This report provides information on whether radon protective measures are required. Depending on the probability of buildings having high radon levels, the Regulations may require either:

1. No protective measures
2. Basic protective measures
3. Full protective measures

This is an advisory report on the requirement for radon protective measures in new buildings, conversions and extensions. The report also indicates whether a site is located within a radon Affected Area

Requirement for radon protective measures

The determination below follows advice in *BR211 Radon: Guidance on protective measures for new buildings (2023 edition)*, which also provides guidance on what to do if the result indicates that protective measures are required.

Is the property in an area where radon protective measures are required for new buildings or extensions to existing ones as described in publication BR211 (2023 edition) Radon: Guidance on protective measures for new buildings?

NO RADON PROTECTIVE MEASURES ARE REQUIRED FOR THE REPORT AREA.

More details of the protective measures required are available in *BR211 Radon: Guidance on protective measures for new buildings (2023 Edition)*.

Whether or not the radon level in a building is above or below the radon Action Level can only be established by having the building tested. The UKHSA provides a radon testing service which can be accessed at www.ukradon.org or by telephone (01235 822622).

If you require further information or guidance, you should contact your local authority building control officer or approved inspector.

Radon Affected Area



% Homes estimated to be at or above the action level
0-1%
1-3%
3-5%
5-10%
10-30%
30-100%

Contains OS data © Crown Copyright and database right 2024
Scale: 1:10 000 (1cm = 100 m)

Search area indicated in red

Is the property in a radon Affected Area as defined by the UK Health Security Agency (UKHSA) and if so what percentage of homes are estimated to be at or above the Action Level? **NO**

Additional Information

THE PROPERTY IS IN AN AREA WHERE LESS THAN 1% OF HOMES ARE ESTIMATED TO BE AT OR ABOVE THE ACTION LEVEL. THE PROPERTY IS NOT IN A RADON AFFECTED AREA.

The UKHSA recommends a radon 'Action Level' of 200 Becquerels per cubic metre of air (Bq m^{-3}) for the annual average of the radon gas concentration in a home. Where 1% or more of homes are estimated to be at or above the Action Level the area should be regarded as a radon Affected Area.

This report informs you whether the property is in a radon Affected Area and the percentage of homes that are estimated to be at or above the radon Action Level at this location. Being in an Affected Area does not necessarily mean there is a high radon level within the property; the only way to determine the radon level is to carry out a radon measurement.

The UKHSA advises that radon gas should be measured in all properties within radon Affected Areas and that homes with radon levels at or above the Action Level (200 Bq m⁻³) should be remediated. Householders with levels between the Target Level (100 Bq m⁻³) and Action Level should seriously consider reducing their radon level, especially if they are at greater risk, such as if they are current or ex smokers. Whether or not a home is in fact above or below the Action Level or Target Level can only be established by having the building tested. The UKHSA provides a validated radon testing service which can be accessed at www.ukradon.org.

The information in this report provides an answer to one of the standard legal enquiries on house purchase in England and Wales, known as Law Society CON29 Enquiries of the Local Authority (2016); 3.14 Radon Gas: Do records indicate that the property is in a “Radon Affected Area” as identified by the UKHSA. The data can also be used to advise house buyers and sellers in Scotland and Northern Ireland.

If you are buying a new build property in a Radon Affected Area, you should ask the builder whether radon protective measures were incorporated in the construction of the property.

If you are buying a currently occupied property in a radon Affected Area, you should ask the present owner whether radon levels have been measured in the property. If they have, ask whether the results were at or above the radon Action Level and if so, whether remedial measures were installed, radon levels were re-tested, and if the results of re-testing confirmed the effectiveness of the measures.

Further information on radon is available from the UKHSA at www.ukradon.org.

What is radon?

Radon is a naturally occurring radioactive gas, which is produced by the radioactive decay of radium which, in turn, is derived from the radioactive decay of uranium. Uranium is found in small quantities in all soils and rocks, although the amount varies from place to place. Radon released from rocks and soils is quickly diluted in the atmosphere. Concentrations in the open air are normally very low and do not present a hazard. Radon that enters enclosed spaces such as some buildings (particularly basements), caves, mines, and tunnels may reach high concentrations in some circumstances. The construction method and degree of ventilation will influence radon levels in individual buildings. A person's exposure to radon will also vary according to how particular buildings and spaces are used.

Inhalation of the radioactive decay products of radon gas increases the chance of developing lung cancer. If individuals are exposed to high concentrations for significant periods of time, there may be cause for concern. In order to limit the risk to individuals, the Government has adopted an Action Level for radon in homes of 200 becquerels per cubic metre (Bq m^{-3}). The Government advises householders that, where the radon level is at or above the Action Level, measures should be taken to reduce the concentration.

Radon in workplaces

The Ionising Radiation Regulations 2017 require employers to take action when radon is present above a defined level in the workplace. Advice may be obtained from your local Health and Safety Executive Area Office or the Environmental Health Department of your local authority. The BRE publishes a guide (BR293): **Radon in the workplace**. BRE publications may be obtained from the BRE Bookshop, Tel: 01923 664262, email: bookshop@bre.co.uk website: www.brebookshop.com

Contact Details

Keyworth Office

British Geological Survey
Environmental Science Centre
Nicker Hill
Keyworth
Nottingham
NG12 5GG



Wallingford Office

British Geological Survey
Maclean Building
Wallingford
Oxford
OX10 8BB



Edinburgh Office

British Geological Survey
Lyell Centre
Research Avenue South
Edinburgh
EH14 4AP



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General Terms & Conditions

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Important notes about this Report

- The data, information and related records supplied in this Report by BGS can only be indicative and should not be taken as a substitute for specialist interpretations, professional advice and/or detailed site investigations. You must seek professional advice before making technical interpretations on the basis of the materials provided.
- Geological observations and interpretations are made according to the prevailing understanding of the subject at the time. The quality of such observations and interpretations may be affected by the availability of new data, by subsequent advances in knowledge, improved methods of interpretation, and better access to sampling locations.
- Raw data may have been transcribed from analogue to digital format, or may have been acquired by means of automated measuring techniques. Although such processes are subjected to quality control to ensure reliability where possible, some raw data may have been processed without human intervention and may in consequence contain undetected errors.
- Detail, which is clearly defined and accurately depicted on large-scale maps, may be lost when small-scale maps are derived from them.
- Although samples and records are maintained with all reasonable care, there may be some deterioration in the long term.
- The most appropriate techniques for copying original records are used, but there may be some loss of detail and dimensional distortion when such records are copied.
- Data may be compiled from the disparate sources of information at BGS's disposal, including material donated to BGS by third parties, and may not originally have been subject to any verification or other quality control process.
- Data, information and related records, which have been donated to BGS, have been produced for a specific purpose, and that may affect the type and completeness of the data recorded and any interpretation. The nature and purpose of data collection, and the age of the resultant material may render it unsuitable for certain applications/uses. You must verify the suitability of the material for your intended usage.
- If a report or other output is produced for you on the basis of data you have provided to BGS, or your own data input into a BGS system, please do not rely on it as a source of information about other areas or geological features, as the report may omit important details.
- The topography shown on any map extracts is based on the latest OS mapping and is not necessarily the same as that used in the original compilation of the BGS geological map, and to which the geological linework available at that time was fitted.
- Note that for some sites, the latest available records may be historical in nature, and while every effort is made to place the analysis in a modern geological context, it is possible in some cases that the detailed geology at a site may differ from that described.

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**Report issued by
BGS Enquiry Service**

APPENDIX C

CONSULTANTS COAL MINING REPORT FROM THE COAL AUTHORITY



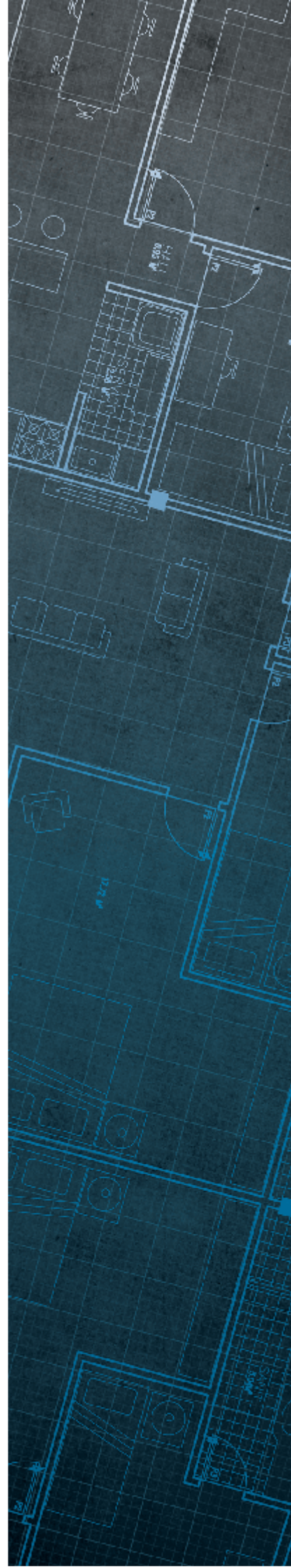
The Coal
Authority

Consultants Coal Mining Report

Baldwin Crescent
Crymlyn Burrows
Neath Port Talbot
SA1 8QB

Date of enquiry:	18 November 2024
Date enquiry received:	18 November 2024
Issue date:	18 November 2024

Our reference:	51003463779001
Your reference:	14398/LP



Consultants

Coal Mining Report

This report is based on and limited to the records held by the Coal Authority at the time the report was produced.

Client name

INTEGRAL GEOTECHNIQUE (WALES) LTD.

Enquiry address

Baldwin Crescent
Crymlyn Burrows
Neath Port Talbot
SA1 8QB

How to contact us

0345 762 6848 (UK)
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200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG

www.groundstability.com

 @coalauthority

 /company/the-coal-authority

 /thecoalauthority

 /thecoalauthority



Approximate position of property



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Section 1 – Mining activity and geology

Past underground mining

No past mining recorded.

Probable unrecorded shallow workings

None.

Spine roadways at shallow depth

No spine roadway recorded at shallow depth.

Mine entries

None recorded within 100 metres of the enquiry boundary.

Abandoned mine plan catalogue numbers

None available.

Outcrops

No outcrops recorded.

Geological faults, fissures and breaklines

No faults, fissures or breaklines recorded.

Opencast mines

None recorded within 500 metres of the enquiry boundary.

Coal Authority managed tips

None recorded within 500 metres of the enquiry boundary.

Section 2 – Investigative or remedial activity

Please refer to the 'Summary of findings' map (on separate sheet) for details of any activity within the area of the site boundary.

Site investigations

None recorded within 50 metres of the enquiry boundary.

Remediated sites

None recorded within 50 metres of the enquiry boundary.

Coal mining subsidence

The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31 October 1994.

There is no current Stop Notice delaying the start of remedial works or repairs to the property.

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

Mine gas

None recorded within 500 metres of the enquiry boundary.

Mine water treatment schemes

None recorded within 500 metres of the enquiry boundary.

Section 3 – Licensing and future mining activity

Future underground mining

None recorded.

Coal mining licensing

None recorded within 200 metres of the enquiry boundary.

Court orders

None recorded.

Section 46 notices

No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence.

Withdrawal of support notices

The property is not in an area where a notice to withdraw support has been given.

The property is not in an area where a notice has been given under section 41 of the Coal Industry Act 1994, cancelling the entitlement to withdraw support.

Payments to owners of former copyhold land

The property is not in an area where a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

Section 4 – Further information

Based on the responses in this report, no further information has been highlighted.

Future development

If development proposals are being considered, technical advice relating to both the investigation of coal and former coal mines and their treatment should be obtained before beginning work on site. All proposals should apply specialist engineering practice required for former mining areas. No development should be undertaken that intersects, disturbs or interferes with any coal or coal mines without first obtaining the permission of the Coal Authority.

MINE GAS: Please note, if there are no recorded instances of mine gas within 500m of the enquiry boundary, this does not mean that mine gas is not present within the vicinity. The Coal Authority Mine Gas data is limited to only those sites where a Mine Gas incident has been recorded. Developers should be aware that the investigation of coal seams, mine workings or mine entries may have the potential to generate and/or displace underground gases. Associated risks both to the development site and any neighbouring land or properties should be fully considered when undertaking any ground works. The need for effective measures to prevent gases migrating onto any land or into any properties, either during investigation or remediation work, or after development must also be assessed and properly addressed. In these instances, the Coal Authority recommends that a more detailed Gas Risk Assessment is undertaken by a competent assessor.

Section 5 – Data definitions

The datasets used in this report have limitations and assumptions within their results. For more guidance on the data and the results specific to the enquiry boundary, please **call us on 0345 762 6848** or **email us at groundstability@coal.gov.uk**.

Past underground coal mining

Details of all recorded underground mining relative to the enquiry boundary. Only past underground workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination, will be included.

Probable unrecorded shallow workings

Areas where the Coal Authority believes there to be unrecorded coal workings that exist at or close to the surface (less than 30 metres deep).

Spine roadways at shallow depth

Connecting roadways either, working to working, or, surface to working, both in-seam and cross measures that exist at or close to the surface (less than 30 metres deep), either within or within 10 metres of the enquiry boundary.

Mine entries

Details of any shaft or adit either within, or within 100 metres of the enquiry boundary including approximate location, brief treatment details where known, the mineral worked from the mine entry and conveyance details where the mine entry has previously been sold by the Authority or its predecessors British Coal or the National Coal Board.

Abandoned mine plan catalogue numbers

Plan numbers extracted from the abandoned mines catalogue containing details of coal and other mineral abandonment plans deposited via the Mines Inspectorate in accordance with the Coal Mines Regulation Act and Metalliferous Mines Regulation Act 1872. A maximum of 9 plan extents that intersect with the enquiry boundary will be included. This does not infer that the workings and/or mine entries shown on the abandonment plan will be relevant to the site/property boundary.

Outcrops

Details of seam outcrops will be included where the enquiry boundary intersects with a conjectured or actual seam outcrop location (derived by either the British Geological Survey or the Coal Authority) or intersects with a defined 50 metres buffer on the coal (dip) side of the outcrop. An indication of whether the Coal Authority believes the seam to be of sufficient thickness and/or quality to have been worked will also be included.

Geological faults, fissures and breaklines

Geological disturbances or fractures in the bedrock. Surface fault lines (British Geological Survey derived data) and fissures and breaklines (Coal Authority derived data) intersecting with the enquiry boundary will be included. In some circumstances faults, fissures or breaklines have been known to contribute to surface subsidence damage as a consequence of underground coal mining.

Opencast mines

Opencast coal sites from which coal has been removed in the past by opencast (surface) methods and where the enquiry boundary is within 500 metres of either the licence area, site boundary, excavation area (high wall) or coaling area.

Coal Authority managed tips

Locations of disused colliery tip sites owned and managed by the Coal Authority, located within 500 metres of the enquiry boundary.

Site investigations

Details of site investigations within 50 metres of the enquiry boundary where the Coal Authority has received information relating to coal mining risk investigation and/or remediation by third parties.

Remediated sites

Sites where the Coal Authority has undertaken remedial works either within or within 50 metres of the enquiry boundary following report of a hazard relating to coal mining under the Coal Authority's Emergency Surface Hazard Call Out procedures.

Coal mining subsidence

Details of alleged coal mining subsidence claims made since 31 October 1994 either within or within 50 metres of the enquiry boundary. Where the claim relates to the enquiry boundary confirmation of whether the claim was accepted, rejected or whether liability is still being determined will be given. Where the claim has been discharged, whether this was by repair, payment of compensation or a combination of both, the value of the claim, where known, will also be given.

Details of any current 'Stop Notice' deferring remedial works or repairs affecting the property/site, and if so the date of the notice.

Details of any request made to execute preventative works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991. If yes, whether any person withheld consent or failed to comply with any request to execute preventative works.

Mine gas

Reports of alleged mine gas emissions received by the Coal Authority, either within or within 500 metres of the enquiry boundary that subsequently required investigation and action by the Coal Authority to mitigate the effects of the mine gas emission. Please note, if there are no recorded instances of mine gas reported, this does not mean that mine gas is not present within the vicinity. The Coal Authority Mine Gas data is limited to only those sites where a Mine Gas incident has been recorded.

Mine water treatment schemes

Locations where the Coal Authority has constructed or operates assets that remove pollutants from mine water prior to the treated mine water being discharged into the receiving water body.

These schemes are part of the UK's strategy to meet the requirements of the Water Framework Directive. Schemes fall into 2 basic categories: Remedial – mitigating the impact of existing pollution or Preventative – preventing a future pollution incident.

Mine water treatment schemes generally consist of one or more primary settlement lagoons and one or more reed beds for secondary treatment. A small number are more specialised process treatment plants.

Future underground mining

Details of all planned underground mining relative to the enquiry boundary. Only those future workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination will be included.

Coal mining licensing

Details of all licenses issued by the Coal Authority either within or within 200 metres of the enquiry boundary in relation to the under taking of surface coal mining, underground coal mining or underground coal gasification.

Court orders

Orders in respect of the working of coal under the Mines (Working Facilities and Support) Acts of 1923 and 1966 or any statutory modification or amendment thereof.

Section 46 notices

Notice of proposals relating to underground coal mining operations that have been given under section 46 of the Coal Mining Subsidence Act 1991.

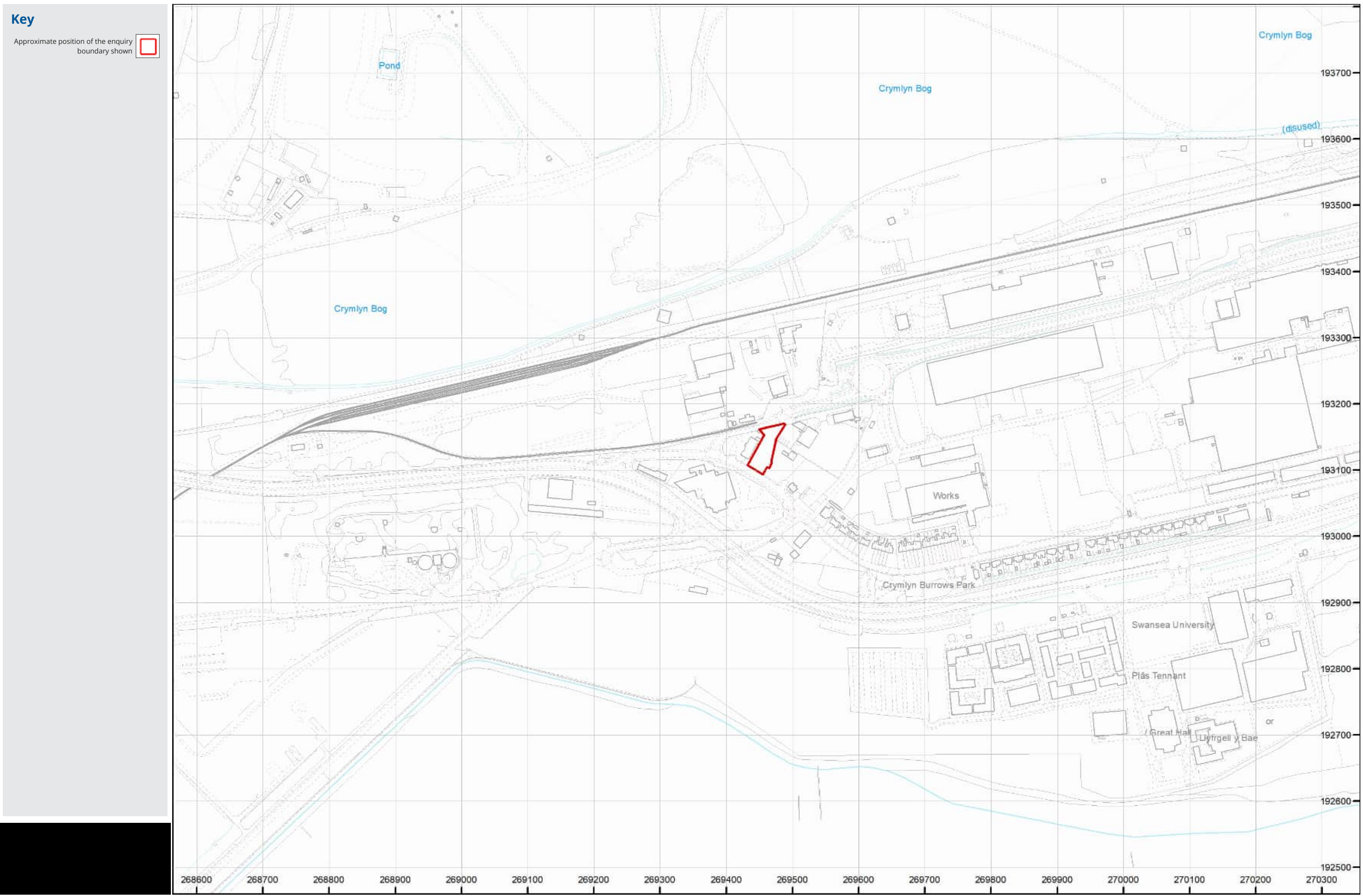
Withdrawal of support notices

Published notices of entitlement to withdraw support and the date of the notice. Details of any revocation notice withdrawing the entitlement to withdraw support given under Section 41 of the Coal Industry Act 1994.

Payment to owners of former copyhold land

Relevant notices which may affect the property and any subsequent notice of retained interests in coal and coal mines, acceptance or rejection notices and whether any compensation has been paid to a claimant.

The map highlights any specific surface or subsurface features within or near to the boundary of the site.



FIGURES

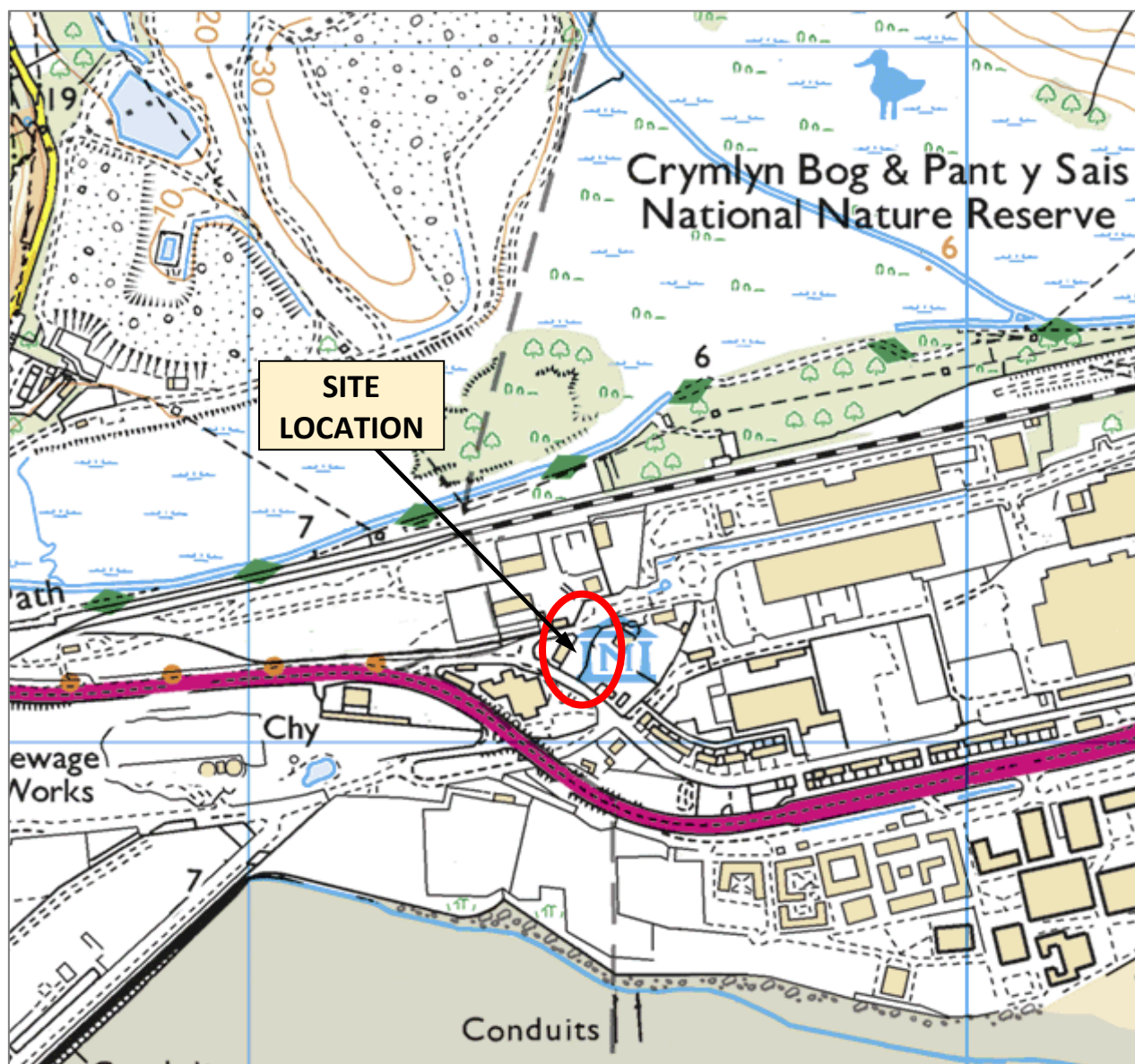
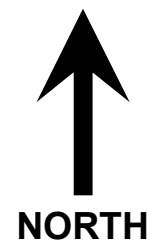


FIGURE 1: SITE LOCATION

Baldwins Crescent, Crymlyn Burrows, Swansea

Intégral
Géotechnique



FIGURE 2A: PROPOSED DEVELOPMENT

Baldwins Crescent, Crymlyn Burrows, Swansea

Intégral
Géotechnique

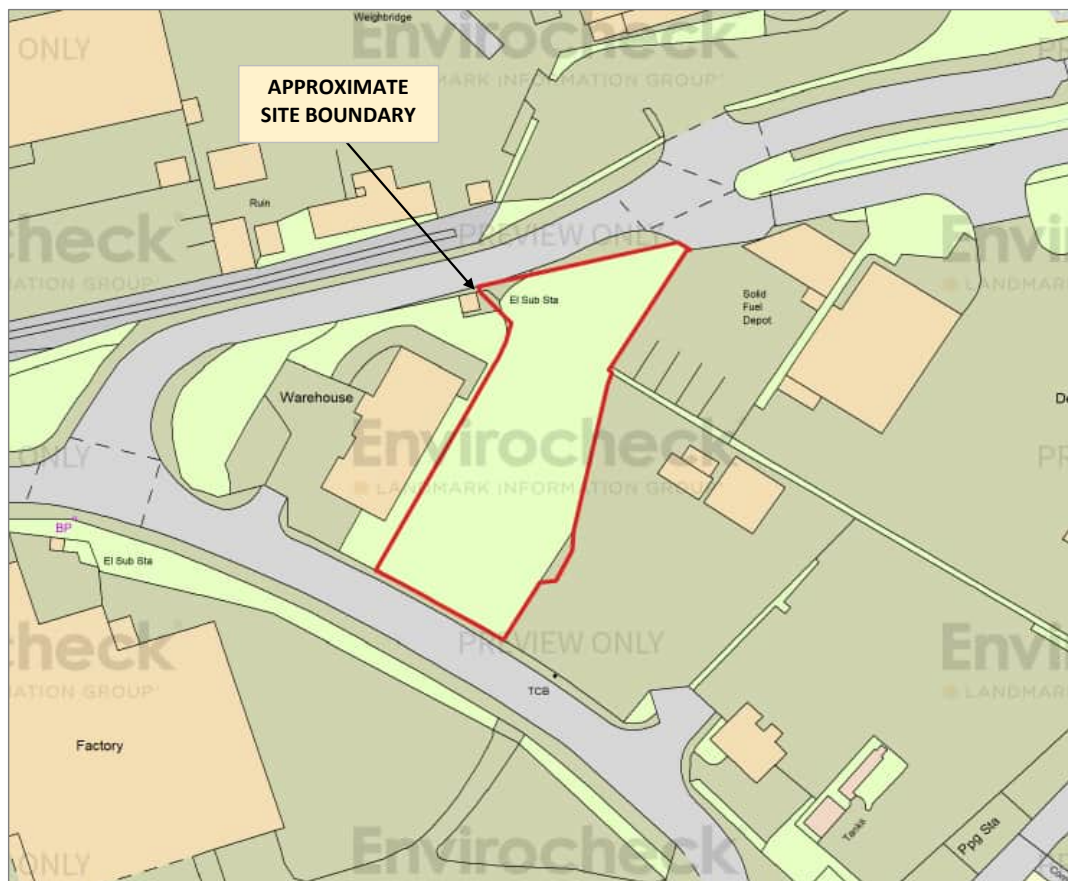


FIGURE 2B: SITE PLAN

Baldwins Crescent, Crymlyn Burrows, Swansea

