



Tata Steel UK Limited

# P Fields, Tata Steel, Port Talbot

Phase 1 Desk Study Report

315609 R01 (02)

## RSK GENERAL NOTES

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**Project No.:** 315609

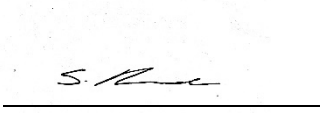
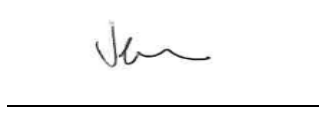
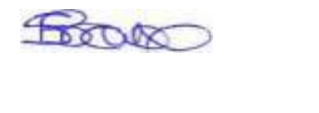
**Title:** Phase 1 Desk Study: P Fields, Tata Steel, Port Talbot, SA13 2NG

**Client:** Tata Steel UK Limited

**Date:** August 2024

**Office:** RSK Environment Limited, The Old School House, Stillhouse Lane, Bedminster, Bristol, BS3 4EB. Tel 0117 947 1000

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| Rev 02                 | Sept 24 | Change of site layout | n/a         | see above    |

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Where field investigations have been carried out, these have been restricted to a level of detail required to achieve the stated objectives of the work.

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# 1 INTRODUCTION

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## 1.1 Commissioning

RSK Environment Limited (RSK) were commissioned by Tata Steel UK Limited, (18 Grosvenor Place, London, SW1X 7HS Company No. 05957565) herein referred to as the 'Client' to undertake a Phase 1 Desk Study Report for a parcel of land (referred to as P Fields) located within the Port Talbot steelworks.

References in this report to 'we', 'us', or 'our' shall mean RSK Geosciences as a trading name of RSK Environment Limited (company no.SC115530) at registered address 65 Sussex Street, Glasgow, G41 1DX.

A Phase 1 Desk Study Report associated with the wider steelworks was prepared by RSK (Ref: 315531 R01 (01)) for Tata Steel UK Limited, dated June 2024, and should be read in conjunction with this report.

The site location is provided in **Figure 1** and the site layout boundary to which this report refers is presented in **Figure 2**.

The report should be read and used in accordance with the limitations and constraints identified in the report text, and at **Appendix A – Service Constraints**.

## 1.2 Objectives

The objective of the work is:

- to identify any land contamination and geotechnical constraints to the proposed development and to support a future planning application
- to identify the need for any investigation or remediation works to demonstrate that the site is suitable for its proposed use

## 1.3 Scope of works

The scope of works has been developed in accordance with relevant British Standards and authoritative technical guidance as referenced through the report. The assessment of the contamination status of the site is in line with the technical approach presented in Land Contamination Risk Management (LCRM) (Environment Agency, 2021a) and in general accordance with BS 10175: 2011 + A2 2017 (BSI, 2017). It is also compliant with relevant planning policy and guidance.

The scope of works for the assessment has included the following:

### **Desk study:**

- review of the history of development on the site and surroundings
- assessment of local geology, hydrogeology and hydrology
- to consider potential risks from coal mining activities
- to request and consider relevant information provided by the local planning authority

- review previous reports pertaining to the site condition where available
- completion of a site reconnaissance survey to assess the visual condition of the site
- development of an initial conceptual site model (CSM) and preliminary risk assessment
- preliminary consideration of geotechnical constraints and hazards
- 

## 1.4 Existing reports

The following reports detailing previous works at the site were made available for review:

- RSK Report 315075 R01 Project Cronus Preliminary Risk Assessment February 2022
- RSK Report 315075 R03 Geoenvironmental Ground Investigation Report March 2022
- RSK Report 315075 R04 Supplementary Phase 2 Geoenvironmental Ground Investigation Report October 2022
- Wardell Armstrong 12<sup>th</sup> April 2024 ST20879-0001 Technical Note Coal Mining Risk Assessment

RSK prepared a standalone Preliminary Risk Assessment associated with the wider steelworks construction which is referenced below:

- RSK Report 315531 R01 (01) Phase 1 Desk Study Report, dated June 2024

## 1.5 Limitations

This report is subject to the RSK service constraints given in **Appendix A** and limitations that may be described below and throughout this document.

This report was prepared in accordance with good practice guidance at the time of issue. Consideration should be considered in the light of changes in legislation, statutory requirements, or industry practices subsequent to the date of issue.

The opinions expressed in this report, and the comments and recommendations given, are based on the information obtained from the desk assessment and data from third-party reports. No intrusive investigations have been undertaken to confirm the actual ground conditions and hence the environmental status of the site.

The study aims to principally identify and assess the potential risks and liabilities associated with contamination of the ground, on and in the vicinity of the site. While this includes consideration of current operations and housekeeping on the site, the report does not constitute a comprehensive environmental audit of the site, as covered under ISO 14001.

A detailed survey of invasive plant species is outside the scope of this investigation therefore detailed comments with regards to such species have been omitted from this report.

The comments given in this report and the opinions expressed are primarily based on third party data and investigations, while RSK have undertaken a review of the information



provided RSK cannot be held liable for the quality of the data provided. There may be conditions pertaining to the site that have not been disclosed by the investigations and therefore could not be taken into account.

## 2 SITE DETAILS

### 2.1 Site location

Site location details are presented in Table 1 and a site location plan is provided on **Figure 1**. The site is located approximately 3.70km southeast of Port Talbot town centre and is situated within the Tata Steelworks. The majority of the operational plant / coke works is located approximately 150m north of the site. The River Afan and harbour area is located approximately 3.0km north of the site.

**Table 1 Site location details**

|                                                 |                       |
|-------------------------------------------------|-----------------------|
| <b>Site name</b>                                | P Fields, Tata Steel  |
| <b>Full site address and Post code</b>          | Port Talbot, SA13 2NG |
| <b>National Grid reference (centre of site)</b> | 277645 186306         |

### 2.2 Site description

The site boundary and current site layout are shown on **Figure 2**. The site is roughly squared-shaped and occupies approximately 2.7 hectares and lies at an approximate elevation of 6.0m above ordnance datum (AOD).

The site predominantly comprises areas laid to gravel and tarmac and used as a laydown / storage area for large steel blocks as part of the steelworks slab yard. The southwestern part of the site hosts stockpiles of aggregate. There are area of vegetation (grassed areas) with the majority located across the northwest part of the site. There are no existing buildings located within the site boundary.

### 2.3 Surrounding land uses

The site is located within Port Talbot steelworks, in a predominantly industrial and commercial setting. Immediate surrounding land uses are described in Table 2.

**Table 2 Surrounding land uses**

|              |                                                                                                                                                   |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>North</b> | Morfa Colliery Memorial, unnamed access road and industrial steelworks (BOS Plant Office) located approximately 150m from site.                   |
| <b>East</b>  | Unnamed access road, Lower Mother Ditch (partially culverted drainage ditch), laydown area for steel block and industrial buildings further east. |
| <b>South</b> | Stockpiles of aggregates and lay down / storage areas. Further south are agricultural fields.                                                     |
| <b>West</b>  | Unnamed access road and stockpile area of aggregates.                                                                                             |

## **2.4 Proposed development**

Based on available information, it is understood that the entire 2.7 hectare parcel of land will be redeveloped to comprise the installation and retention of concrete hardstanding for industrial use associated with the continued operations of the steelworks, and landscaping, green infrastructure and drainage works.

It should be noted that a proposed development plan has not been made available to RSK.

## 3 DESK-BASED ASSESSMENT

The desk-based assessment was designed to generally meet the objectives of a preliminary or Phase 1 investigation, as defined by BS 10175:2011+A2:2017 (BSI, 2017) and BS 5930:2015, and is set in context of a Tier 1 preliminary risk assessment as defined in LCRM.

The "vicinity" of the site for the purposes of this report is defined as locations situated within an approximate 250m radius of the site, although certain sources and/ or sensitive targets further than 250m distance from the site may also have been considered.

### 3.1 Site history

#### 3.1.1 Historical development record

The development history of the site and surrounding area based upon assessment of historical maps and available information from the GroundSure database report presented as **Appendix B**.

**Table 3 Summary of historical development on site (and surrounding area) for the proposed development**

| Date from | Date to     | Historical Land Use                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1878      | 1918        | <p>The earliest maps indicate that that site was occupied by the former Morfa Colliery (associated with underground coal workings) with Grange Pit located north of the site and Abbot Pit located south of the site.</p> <p>A railway line (connecting Grange Pit to Abbot Pit) was present immediately west of the site which was then occupied by marshlands.</p> <p>Several buildings (referred to as Office Row, Pit Row and Workman's Row) associated with the colliery works were situated approximately 150m north of the site. Based on available information it is understood that Morfa Colliery ceased operations in 1913.</p> |
| 1940      | -           | <p>No significant change occurred on site until 1940 when all infrastructure (including the railway line) associated with Morfa Colliery are no longer shown. The site appears to be undeveloped and comprises marshlands.</p>                                                                                                                                                                                                                                                                                                                                                                                                             |
| 1962      | Present day | <p>The site and surrounding area has undergone significant redevelopment with the construction of the steelworks that remain to this present day.</p> <p>The site is shown to be occupied by several railway sidings and a conveyor belt that encroaches the western site boundary. The rail siding are present on site until 2010 when the sidings are no longer present. Aerial images obtained online show that a railway line was present within the eastern site boundary until 2018. Since then the site has remained as a lay down area to the present day.</p>                                                                     |

### 3.1.2 Unexploded ordnance

A review of publicly available unexploded ordnance (UXO) risk maps indicates that the site is in an area with low potential for wartime bombs to be present (Zetica, 2024). A detailed UXO risk assessment was undertaken by RSK Ordnance, which shows that the site has been classified as a moderate risk to UXO.

A copy of the report is included in **Appendix C**.

## 3.2 Information from environmental database report

Relevant environmental permits and incidents detailed within the environmental database report (see **Appendix B**) are summarised below in Table .

**Table 4 Summary of environmental permits, landfills and incidents**

| Data type                                                                                                                                                                                                                     | Entries on-site | Entries <250m from site | Entries >250m from site of relevance | Details                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------------|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Agency and hydrological</b>                                                                                                                                                                                                |                 |                         |                                      |                                                                                                                                                                                                                                   |
| Environmental permits – incorporating Environmental Permitting Regulations (EPR) and/ or Pollution Prevention and Control (PPC) permits; former Integrated Pollution Controls (IPC), Local Authority Pollution Control (LAPC) | -               | 156                     | -                                    | All records are associated with the operations for Tata Steel UK Limited – all of which are located approximately 220m N of the site.                                                                                             |
| Enforcement and prohibition notices                                                                                                                                                                                           | -               | -                       | -                                    |                                                                                                                                                                                                                                   |
| Pollution incidents to controlled waters, Prosecutions relating to controlled waters, Substantiated pollution incident register, Water Industry Act referrals                                                                 | -               | 1                       | 16                                   | Several pollution incidents located within 500m of the site.<br>The nearest is situated approximately 240m northeast of the site and is associated with Dust (dated 24/03/2003) with a recorded Minor (Category 3) impact to air. |
| Discharge consents                                                                                                                                                                                                            | -               | -                       | -                                    |                                                                                                                                                                                                                                   |

| Data type                                                                                                                                                                                                            | Entries on-site | Entries <250m from site | Entries >250m from site of relevance | Details                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Registered radioactive substances                                                                                                                                                                                    | -               | 5                       | -                                    | All records are linked to Corus UK Limited with the last approval dated 2008 (now revoked/cancelled).                   |
| <b>Landfill and waste</b>                                                                                                                                                                                            |                 |                         |                                      |                                                                                                                         |
| Active landfills                                                                                                                                                                                                     | -               | -                       | -                                    |                                                                                                                         |
| Historical / closed landfills                                                                                                                                                                                        | -               | -                       | -                                    |                                                                                                                         |
| Other waste management licences                                                                                                                                                                                      | -               | -                       | -                                    |                                                                                                                         |
| Potentially in-filled land (pit, quarry, pond, marsh, river, stream, dock etc)                                                                                                                                       | -               | -                       | -                                    |                                                                                                                         |
| <b>Hazardous substances/ industrial land uses</b>                                                                                                                                                                    |                 |                         |                                      |                                                                                                                         |
| Control of Major Accident Hazards (COMAH) sites                                                                                                                                                                      | 1               | 1                       | -                                    | The site and surrounding area (Tata Steelworks) deemed a COMAH (Control of Major Accident Hazards) Upper Tier Operator. |
| Explosives sites, Notification of Installations Handling Hazardous Substances (NIHHS), Planning hazardous substance consents/ enforcements                                                                           | 1               | 1                       | -                                    | Historical NIHHS site (including the surrounding area)                                                                  |
| Contaminated land Part 2A register entries and notices                                                                                                                                                               | -               | -                       | -                                    |                                                                                                                         |
| Fuel station entries                                                                                                                                                                                                 | -               | -                       | -                                    |                                                                                                                         |
| <b>Note: Entries have only been included within the table where they are located within a 250m radius of the site or, where they fall outside of this radius but are considered to comprise a significant entry.</b> |                 |                         |                                      |                                                                                                                         |

### 3.3 Summary of previous reports

A summary of information from previous reports (by RSK) pertaining to the site and the surrounding area is included below in Table 5.

**Table 5 Summary of previous reports**

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Report Details</b>                                 | <b>Project Cronus<br/>315075 R03 (01)Phase 2 Geoenvironmental Ground Investigation Report (March 2022)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Site coverage</b>                                  | Previous works under Project Cronus involved the south sections of this site and extended further south beyond this proposed development.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Summary scope of works</b>                         | Boreholes, trial pits with geotechnical and contamination testing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Does the client have reliance upon the report?</b> | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Key factual findings</b>                           | <p>The proposed development area had been sub-divided into 2 separate areas. Area 1 includes the active works, yards and open spaces located with the steelworks itself. Area 2 includes the unoccupied fields in the south of the site. Area 1 is summarised below in more detail as it overlaps with this investigation.</p> <p>Made ground was encountered up to 6.00m, predominantly containing gravel and occasional cobbles size fragments of slag with some brick and clinker. Asbestos and hydrocarbon impacted soils were noted, most notably across the area of the former Grange Coke Ovens.</p> <p>The Tidal Flat Deposits were encountered beneath the made ground with thicknesses (where proven) between 15.80 and 30.80m. The Tidal Flat Deposits comprised silt, clay and peat. The upper horizons were locally noted to have olfactory evidence of hydrocarbon impact.</p> <p>South Wales Coal Measures were proven at a depth of between 15.90 and 20.60m typically as a weak mudstone, typically becoming less weathered with depth. Intact coal was present in BH10 at 20.50m, the base of which was not proven.</p> <p>Groundwater was encountered at shallow depth during the fieldworks and also within the deeper strata.</p> |
| <b>Report Details</b>                                 | <b>Project Cronus<br/>315075 R04 (00) Supplementary Phase 2 Geoenvironmental Ground Investigation Report (October 2022)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Site coverage</b>                                  | Previous works under Project Cronus involved the south sections of this site and extended further south beyond this proposed development.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Summary scope of works</b>                         | Boreholes, trial pits with geotechnical and contamination testing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Does the client have reliance upon the report? | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Key factual findings                           | <p>Supplementary work focuses on the Regen Yard and surrounding areas to delineate contamination identified during the previous works. The ground conditions were in line with the previous works.</p> <p>Visual and olfactory evidence of hydrocarbon impacted soils were noted at a number of locations in the made ground and Tidal Flat Deposits. A sandy layer at the base of the made ground often had visual and/or olfactory evidence of contamination present.</p> <p>There was no olfactory or visual evidence of any gross contamination impact beyond the Tidal Flat Deposits.</p> |

## 3.4 Site geology

### 3.4.1 Anticipated geological sequence

Given the site's previous and current land uses, made ground is expected to be present across the site. Based on previous intrusive works undertaken by RSK in 2022 (detailed in Section 3.3), made ground is likely to be present at variable depths with the thickest deposit recorded up to 6.0m. The made ground generally comprises reworked natural strata with anthropogenic materials of slag, brick, concrete and metal.

Based on published geological data by the British Geological Survey (BGS), the site is underlain by superficial deposits comprising Tidal Flat Deposits. These deposits generally comprise unconsolidated sediments of clay and sand deposits.

The solid strata underlying the site are indicated to comprise the South Wales Middle Coal Measures Formation which comprises coal bearing strata with lithologies of mudstone, siltstone and sandstone. Based on the interactive Coal Authority Map (accessed online), three coal seams (orientated in a northwest to southeast direction) are present across the site which are as follows:

- Upper Nine Feet – U 9 FT (formerly known as South Fawr seam)
- Lower Nine Feet – L 9 FT
- Marine Band

### 3.4.2 BGS Borehole Data

Based on available information, there are five (5 No.) BGS historical boreholes located within 250m of the site. Two (2 No.) boreholes (Ref: SS78NE179 & SS78NE178) located within 180m of the site have recorded peat deposits at depths of between 4.0 and 6.0m depth. These boreholes were terminated at 3.96m and 6.40m depth.

A historical borehole (Ref: SS78NE58) located approximately 70m northwest of the site is associated with the former Morfa Colliery (Grange Pit). The borehole has been recorded to significant depths of up to 371m bgl. The borehole also confirms the presence of peat at shallow depths as well as the presence of several coal seams (including North Fawr, South Fawr, 4-FT, 6-FT and 9-FT).

All the boreholes in the surrounding area have recorded similar lithologies associated with the published geological data.

The BGS borehole logs are presented in **Appendix C**.

### 3.4.3 Radon

The environmental database report indicates that the site is located within an area where less than 1% of homes are above the Action Level (termed an 'Affected Area') and indicates that radon protection measures are not required.

## 3.5 Mining and quarrying

Evidence has been sought to identify any mining, quarrying, landfilling and land reclamation operations, past and present, which have taken place within 500m of the site.

### 3.5.1 Coal mining area

An initial site appraisal has been carried out based on the information provided on the Coal Authority Interactive Viewer of the UK Coalfield areas.

The site lies within the Coal Authority Coal Mining Reporting Area and a Development High Risk Area. In these locations there is a requirement under the current planning regime to complete a Coal Mining Risk Assessment (CMRA). A CMRA needs to consider a number of sources of information to determine coal mining issues relevant to a site, it then needs to identify and assess the site-specific coal mining risks and propose an appropriate mitigation strategy relevant for the proposed site end-use.

Based on available historical information, it is understood that the site was occupied by the Morfa Colliery between 1847 and 1913 (when colliery workings ceased operations). The nearest mine entry (formerly known as Grange Downcast Pit) is located approximately 70m northwest of the site. The Grange Pit mine entry was known to extend to depth of up to 365m bgl and was the downcast ventilation shaft. The Abbot Upcast Pit mine entry is located approximately 120m west of the site. It is understood that these two mine entries (shafts) would have been connected. Based on information from the Coal Authority Interactive Viewer, both mine entries have since been treated. A third mine entry (adjacent to the Abbot Pit) has also been recorded 125m west of the site and has not been recorded as treated.

It should be noted that a Coal Mining Technical Note (Ref: ST20879001) was prepared by Wardell Armstrong in April 2024 which indicates that the risks associated with coal mining to any proposed development is considered low to moderate. The Technical Note is presented in **Appendix C**.

## 3.6 Hydrogeology

A summary of the hydrogeological setting of the site, with respect to the anticipated geology outlined in Section 3.5 and available information from the GroundSure database report is presented in Table 6.

**Table 6 Summary of hydrogeological setting**

| Condition                         | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Aquifer characteristics           | <p>The site is underlain by a secondary aquifer relating to the South Wales Lower Coal Measures. The superficial Tidal Flat Deposits across the majority of the site are classified as Secondary (undifferentiated).</p> <p>The presence of low permeability clay at relatively shallow depths beneath the site, while restricting downwards migration, may increase the potential for lateral migration of shallow groundwater (and therefore mobile contamination, if present).</p> <p>Groundwater quality beneath the site may be affected by saline intrusion.</p> |
| Depth to groundwater and flow     | <p>Groundwater in the site area is anticipated to flow in a northerly direction, i.e. towards and in the direction of flow of the Bristol Channel.</p> <p>It is also likely that shallow perched water may be present in any made ground deposits present on-site.</p>                                                                                                                                                                                                                                                                                                 |
| Rising groundwater levels         | <p>The site is located in a former coal mining area and may be associated with rebounding groundwater levels following the end of mining and associated dewatering although considered unlikely based on the timescale since mining ceased.</p>                                                                                                                                                                                                                                                                                                                        |
| Groundwater recharge/attenuation  | <p>Large areas of the site are currently covered with gravel surfacing. The proposed concrete slab should limit infiltration to ground and groundwater recharge, except where SUDS are present (details of which are unknown).</p>                                                                                                                                                                                                                                                                                                                                     |
| Licensed groundwater abstractions | <p>The environmental database report indicates that there are no groundwater abstraction licences within 1km of the site.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Source protection zones           | <p>Information available in the Groundsure report indicates that the site does <u>not</u> lie within a currently designated groundwater Source Protection Zone (SPZ).</p>                                                                                                                                                                                                                                                                                                                                                                                              |

### 3.7 Hydrology

A summary of the hydrology within the site area is summarised in Table 7.

**Table 7 Summary of hydrology in site area**

| Condition                     | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Surface watercourses/features | <p>The closest identified surface watercourse to the site is a partially culverted stream known as Lower Mother Ditch which runs north to south and is located immediately outside the eastern site boundary. The Upper Mother Ditch is located approximately 100m northeast of the site and is also partially culverted.</p> <p>There is also a reservoir located approximately 270m northwest of the site. It is understood that the Lower Mother Ditch outfalls at the reservoir which then discharges into the Bristol Channel to the southwest.</p> |
| Surface water abstractions    | <p>The nearest surface water abstraction point is located approximately 98m northeast of the site and appears to be associated with evaporative cooling and process water (medium). The outfall point is indicated to be the Lower Mother Ditch.</p> <p>The licences are shown to be historical with the earliest dated November 2010</p>                                                                                                                                                                                                                |

| Condition                         | Description                                                                                                                                                                                                                                              |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Site drainage                     | Surface drainage from the site appears to be discharged into Lower Mother Ditch which runs across the site from south to north although this is not confirmed.                                                                                           |
| Preliminary flood risk assessment | The indicative floodplain map for the area, shows the risk of flooding each year has been assessed by NRW as moderate –i.e. 1.3% (1 in 75) or less, but greater than 0.5% (1 in 200). A flood risk assessment (FRA) is outside the scope of this report. |

### 3.8 Sensitive land uses

Table 8 provides a summary of any environmentally sensitive areas identified within 250m of the site based on the environmental database report.

**Table 8 Environmentally sensitive areas**

| Feature                                                                                                             | Present within 250m of site? | Details                                                                                                                             | Likely pathways from site?                                    |
|---------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| International designations – Ramsar wetland, Special Area of Conservation (SAC), Special Protection Area (SPA)      | No                           |                                                                                                                                     | N/A                                                           |
| National designations – Site of Special Scientific Interest (SSSI), National Nature Reserve (NNR), ancient woodland | No                           | The Margam Moors has been designated as a SSSI (Site of Special Scientific Interest) and is located over 1km southeast of the site. | No – the nearest SSSI site is located over 1km from the site. |
| Local designations – Local Nature Reserve, Site of Importance for Nature Conservation (SINC)                        | No                           |                                                                                                                                     | N/A                                                           |
| Nearest high sensitivity development, e.g. residential                                                              | n/a                          |                                                                                                                                     | No                                                            |

## 4 PRELIMINARY GEOTECHNICAL CONSTRAINTS

### 4.1 Design class

BS EN 1997-1 defines three different Geotechnical Categories that structures may fall into, which are summarised as follows:

- Category 1: Small and relatively simple structures for which it is possible to ensure that the fundamental requirements will be satisfied on the basis of experience and qualitative geotechnical investigations; with negligible risk
- Category 2: Conventional types of structure and foundation with no exceptional risk or difficult ground or loading conditions
- Category 3: Structures or part of structures, which fall outside limits of Geotechnical Categories 1 and 2. Examples include very large or unusual structures; structures involving abnormal risks, or unusual or exceptionally difficult ground or loading conditions; structures in highly seismic areas; structures in areas of probable site instability or persistent ground movements that require separate investigation or special measures.

Based on the information provided above on the proposed development and in view of the anticipated ground conditions, a Geotechnical Category of Category 2 has been assumed for the purposes of designing the geotechnical investigation. This should be reviewed at all stages of the investigation and revised where necessary.

### 4.2 Preliminary geotechnical hazards assessment

A summary of commonly occurring geotechnical hazards associated with the anticipated geology outlined in Section 3.4 above is given in Table 9 together with an assessment of whether the site may be affected by each of the stated hazards.

**Table 9 Summary of preliminary geotechnical risks that may affect site**

| Hazard category                             | Hazard status based on desk study findings and proposed development |                                           | Engineering considerations if hazard affects site                                                        |
|---------------------------------------------|---------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------|
|                                             | Could be present and/or affect site                                 | Unlikely to be present and/or affect site |                                                                                                          |
| Sudden lateral changes in ground conditions | <input checked="" type="checkbox"/>                                 | <input type="checkbox"/>                  | Like to impact proposed development due to the presence of made ground and soft unconsolidated deposits. |
| Shrinkable clay soils <sup>1)</sup>         | <input checked="" type="checkbox"/>                                 | <input type="checkbox"/>                  | Design to NHBC Standards Chapter 4 or similar                                                            |

| Hazard category                                                                         | Hazard status based on desk study findings and proposed development |                                           | Engineering considerations if hazard affects site                                                                                                                 |
|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                         | Could be present and/or affect site                                 | Unlikely to be present and/or affect site |                                                                                                                                                                   |
| Highly compressible and low bearing capacity soils, (including peat and soft clay)      | <input checked="" type="checkbox"/>                                 | <input type="checkbox"/>                  | Likely to affect ground engineering and foundation design and construction as peat deposits and soft clays have been recorded as part of the Tidal Flat Deposits. |
| Silt-rich soils susceptible to rapid loss of strength in wet conditions <sup>1)</sup>   | <input checked="" type="checkbox"/>                                 | <input type="checkbox"/>                  | Likely to affect ground engineering and foundation design and construction as Tidal Flat Deposits have been recorded across the site.                             |
| Running sand at and below water table                                                   | <input type="checkbox"/>                                            | <input checked="" type="checkbox"/>       |                                                                                                                                                                   |
| Karstic dissolution features (including 'swallow holes' in Chalk terrain) <sup>1)</sup> | <input type="checkbox"/>                                            | <input checked="" type="checkbox"/>       |                                                                                                                                                                   |
| Evaporite dissolution features and/or subsidence <sup>1)</sup>                          | <input type="checkbox"/>                                            | <input checked="" type="checkbox"/>       |                                                                                                                                                                   |
| Ground subject to or at risk from landslides <sup>1)</sup>                              | <input type="checkbox"/>                                            | <input checked="" type="checkbox"/>       |                                                                                                                                                                   |
| Ground subject to periglacial valley cambering with gulls possibly present              | <input type="checkbox"/>                                            | <input checked="" type="checkbox"/>       |                                                                                                                                                                   |
| Ground subject to or at risk from coastal or river erosion <sup>1)</sup>                | <input checked="" type="checkbox"/>                                 | <input type="checkbox"/>                  | Site considered at significant distance that it is not a risk.                                                                                                    |
| High groundwater table (including waterlogged ground) <sup>1)</sup>                     | <input checked="" type="checkbox"/>                                 | <input type="checkbox"/>                  | Given the close proximity to the Bristol Channel and the geology, high groundwater is anticipated to be present.                                                  |
| Rising groundwater table due to diminishing abstraction in urban areas <sup>1)</sup>    | <input type="checkbox"/>                                            | <input checked="" type="checkbox"/>       |                                                                                                                                                                   |
| Geological faults, fissures and break lines                                             | <input type="checkbox"/>                                            | <input checked="" type="checkbox"/>       |                                                                                                                                                                   |
| Underground mining including shafts and adits (e.g. coal, mineral)                      | <input checked="" type="checkbox"/>                                 | <input type="checkbox"/>                  | To be assessed under a separate cover.                                                                                                                            |
| Effects of extreme temperature (e.g. cold stores or brick kilns/furnaces)               | <input type="checkbox"/>                                            | <input checked="" type="checkbox"/>       |                                                                                                                                                                   |

| Hazard category                                                                                                                                                                                                                                                                             | Hazard status based on desk study findings and proposed development |                                           | Engineering considerations if hazard affects site                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                             | Could be present and/or affect site                                 | Unlikely to be present and/or affect site |                                                                                                                                                                                                                 |
| Existing sub-structures (e.g. tunnels, foundations, basements, and adjacent sub-structures)                                                                                                                                                                                                 | <input type="checkbox"/>                                            | <input checked="" type="checkbox"/>       | Possible historical railway sidings associated with previous site usage but considered unlikely since no buildings and infrastructure previously recorded on site. Railway siding is no longer present on site. |
| Filled and made ground (including embankments, infilled ponds and quarries)                                                                                                                                                                                                                 | <input checked="" type="checkbox"/>                                 | <input type="checkbox"/>                  | Based on previous intrusive works, made ground is likely to be present across the site and may affect ground engineering and construction.                                                                      |
| Adverse ground chemistry (including expansive slags and weathering of sulphides to sulphates)                                                                                                                                                                                               | <input checked="" type="checkbox"/>                                 | <input type="checkbox"/>                  | Given the site's current land use this may affect ground engineering and construction.                                                                                                                          |
| Site topography, including presence of steep slopes                                                                                                                                                                                                                                         | <input type="checkbox"/>                                            | <input checked="" type="checkbox"/>       |                                                                                                                                                                                                                 |
| <p>Note: Seismicity is not included in the above table as this is not normally a design consideration in the UK.</p> <p><sup>1)</sup> The potential for these geohazards to impact the site may be exacerbated by climate change related fluctuations in temperature and precipitation.</p> |                                                                     |                                           |                                                                                                                                                                                                                 |

#### 4.2.1 Clay shrink-swell

One of the likely geotechnical implications resulting from climate change impacts is that longer hotter summers will increase the zone of seasonal moisture variation in the upper soil horizon, leading to additional shrinkage. Furthermore, warmer wetter winters can cause rebound of soil moisture levels, leading to swelling. These changes will likely give rise to increases in subsidence and heave issues and hence insurance claims for existing buildings. The effects can also be exacerbated where building near trees resulting in desiccation (NHBC Standards Chapter , 2024). This and other potential climate change-related impacts are considered in NHBC report NF93 – Foundation solutions: future proofing against climate change (NHBC, 2023a).

### 4.3 Geotechnical risk register

Based on the information detailed in Section 4.1, the following potential issues have been identified and provide a preliminary ground hazard risk assessment:

- Possible shrinkage clay soils are likely to be present across the site but the hazard has been identified as moderate/low risk and if there are constraints due to

shrinkable clay soils, mitigations will be designed and built into the designed foundations where necessary.

- Based on the site's historical land usage and previous intrusive works undertaken by RSK, made ground is likely to be present across the site at variable depths and composition (depth of which is currently unknown but may be encountered to 6.0m). Mitigation for the presence of made ground would be to ensure that construction staff were aware of the potential presence of such material, and a contingency plan should be in place for actions to be taken depending on the type of material encountered.
- Made ground may be sulphate-bearing (if presence of coal, slag and steel is recorded) which can potentially impact design and construction works. On this basis, further measures will need to be taken including appropriate BRE pyrite testing on representative made ground soil samples taken from intrusive ground investigations to allow the assessment of the appropriate aggressive concrete mix design, in accordance with the BRE Special Digest 1 (SD1) (2015).
- The superficial deposits (Tidal Flat Deposits) comprising unconsolidated (low strength) strata are anticipated to be present beneath the site (likely to be below the made ground) and are likely to be poor bearing strata and in places may have high organic content. Depending on the load of the proposed development, there may be a requirement to assess the strength of the underlying superficial deposits to confirm the allowable bearing capacity.
- The presence of any mine shafts (Grange Pit is recorded approximately 70m north of the site) and former coal workings beneath the site should be considered prior to the construction. However, given the significant depth of the coal workings (coal bearing strata likely to be present at 20m bgl) and load of the concrete slab this is unlikely to be considered a risk. Despite this, the CMRA may be required as part of the planning conditions for the proposed development.
- Shallow groundwater is anticipated to be present across the site which could impact bearing capacity and excavation stability. This should be taken into consideration prior to the excavation of the existing ground.

Given the anticipated low loads of the proposed development (concrete slab) the geotechnical risks detailed above are considered to be relatively low risk. However, this will need to be appropriately assessed in line with any future use and/or development at the site (which will be subject to a separate planning application) and any areas of higher loading.

## 5 INITIAL CONCEPTUAL SITE MODEL

In the UK land contamination is assessed using a risk-based approach taking account of the magnitude (severity of the hazard) and likelihood (probability) of occurrence. A 'receptor' is something that could be adversely affected by contamination (e.g. people, an ecological system, property or a water body). A 'pathway' is a route or means by which a receptor is or could be exposed to or affected by a contaminant. A 'contaminant source' is a hazard but it can only pose a risk to a receptor where a pathway is present.

The relationship between sources, pathways and receptors are referred to as a conceptual site model. A risk can only be realised where a contaminant source, pathway and receptor are all in place, referred to as a 'contaminant linkage'.

In line with LCRM (Environment Agency, 2021a) and BS 10175: 2011 + A2 2017 (BSI, 2017), RSK has used information in the preceding sections to identify hazards (sources of contaminants), receptors that may be impacted and plausible linking pathways. Where all three are present this is termed a potentially complete contaminant linkage and a qualitative risk estimation is made.

The conceptual site model has been considered in context of the proposed development as understood at the time of writing this report. Should the site development proposals change, the CSM and the associated contaminant linkages identified may need to be revised.

### 5.1 Potential soil, soil vapour and groundwater linkages

#### 5.1.1 Potential sources of contamination

Potential sources of soil and groundwater contamination identified from current activities and the history of the site and surrounding area are presented in Table 10.

**Table 10 Potential sources of soil and groundwater contamination**

| Potential sources                                                               | Contaminants of concern                                                                                                                                                              |
|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>On-site</b>                                                                  |                                                                                                                                                                                      |
| <b>S1</b> Made ground (i.e. fill material)                                      | Unknown fill material but potentially including brick, ash and clinker and containing toxic and phytotoxic metals, inorganics, polycyclic aromatic hydrocarbons (PAHs) and asbestos. |
| <b>S2</b> Current land use as steel block storage yard / stockpile area         | Unknown material but potentially including ash and clinker and containing toxic and phytotoxic metals, inorganics and polycyclic aromatic hydrocarbons (PAHs).                       |
| <b>S3</b> Former land uses (railway sidings and colliery workings)              | Petroleum hydrocarbons, toxic and phytotoxic metals, inorganics, polycyclic aromatic hydrocarbons (PAHs) and asbestos.                                                               |
| <b>Off-site</b>                                                                 |                                                                                                                                                                                      |
| <b>S4</b> Industrial process associated within the wider steelwork to the north | Toxic and phytotoxic metals, inorganics, polycyclic aromatic hydrocarbons (PAHs), hydrocarbon, BTEX.                                                                                 |

### 5.1.2 Sensitive receptors and linking exposure/ migration pathways

Sensitive receptors identified at or in the vicinity of the site that could be affected by the potential sources identified above comprise:

- **R1** future site users – industrial workers [oral, dermal and inhalation exposure with impacted soil, soil vapour and dust/fibres]
- **R2** adjacent site users – industrial workers [migration of contamination via dust/fibre deposition, vapour or groundwater migration combined with inhalation]
- **R3** future buildings and services [direct contact with contaminated soils or groundwater and chemical attack]
- **R4** Surface water in the Bristol Channel [groundwater in secondary aquifer within superficial deposits and Lower Mother Ditch]

Potential linking pathways are shown in brackets for each item above.

Groundwater has been considered as a pathway as opposed to a receptor on account of the historical and current industrial uses across the wider area. A degree of impact on the groundwater as a result of this regional land use is to be expected and hence the primary sensitive receptor is considered to be the surface water. Similarly, the Lower Mother Ditch which runs along the boundary of the site is understood to receive storm water from the site in addition to the condition of the culvert through the made ground being unknown. Based on this the Lower Mother Ditch has been considered a pathway as opposed to a receptor.

Please note that construction workers and future maintenance workers have not been identified in the conceptual model as receptors because risks are considered to be managed through health and safety procedures according to the CDM Regulations.

Ecological receptors are only considered within the conceptual model in the context of statutory protected sites.

## 5.2 Potential ground gas linkages

### 5.2.1 Ground gas generation potential

Potential ground gas sources identified for the site and surrounding are shown in Table 11.

**Table 31 Potential ground gas sources (excludes mine gas)**

| Potential sources                                                                  | Indicative ground gas generation potential (CIEH, 2008) | Additional information                                                                                            |
|------------------------------------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>On-site</b>                                                                     |                                                         |                                                                                                                   |
| <b>S5</b> Natural soil strata with degradable organic content, e.g. alluvium, peat | Low                                                     | Peat has been recorded in previous BGS boreholes in close proximity to the site and is anticipated to be present. |

| Potential sources                                                                                                          | Indicative ground gas generation potential (CIEH, 2008) | Additional information |
|----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|------------------------|
| <b>S6</b> Made Ground with low degradable organic content (e.g. up to 5% organic material and no easily degradable waste). | Very low                                                |                        |

Potential sources of ground gas generation have been identified therefore this potential issue has been taken forward.

### 5.2.2 Potential coal mine gas sources

The potentially significant sources of mine gas associated with the area of the site are as follows:

- desorption of gas from coal and rocks – predominantly methane
- oxidation of coal – carbon dioxide and oxygen depletion, also methane and ethane and carbon monoxide at higher temperatures

### 5.2.3 Radon

The site is in an area where the estimated percentage of homes exceeding the action level of 200 Bq m<sup>3</sup> is <1% /as indicated on available radon potential mapping (UKHSA & BGS, 2022).

In accordance with BRE 211 guidance (2023) and associated building regulations/standards no protection measures are considered to be required in new developments.

### 5.2.4 Preferential pathways for ground gas migration

Credible preferential pathways potentially connecting the source and receptor through vertical and lateral migration are:

- faults/ fissures/ fractures in the underlying geology
- construction joints and cracks within building structure
- utility routes and service penetrations into buildings

## 5.3 Preliminary risk assessment

The preliminary risk assessment findings and potentially complete contaminant linkages are shown in Table 12.

The risk classification is based on the combination of hazard consequence and probability using a risk matrix from CIRIA C552 (Rudland et al., 2001). The requirement for a preliminary qualitative risk assessment is in accordance with LCRM (Environment Agency, 2021a).

**Table 12 Risk estimation for potentially complete contaminant linkages**

| Potential source                                                                                                                                      | Potential receptor                                        | Possible pathway                                                                                                          | Likelihood | Severity | Potential risk | Justification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|------------|----------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sources on site</b>                                                                                                                                |                                                           |                                                                                                                           |            |          |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>S1</b> Made Ground<br><b>S2</b> Current land usage (steel block storage yard).<br><b>S3</b> Former land uses (railway sidings / colliery workings) | <b>R1</b> Future site users                               | <b>P1</b> Dermal contact, soil ingestion, dust and fibre inhalation, including vapour inhalation                          | Low        | Medium   | Moderate/low   | Contaminants may be present in the made ground and shallow soils associated with past and current land developments. It is understood that the proposed development is likely to comprise of hardstanding (concrete slab) and as such direct contact and dust generation will be limited. Furthermore, this will also limit the downward migration of contaminants into the underlying groundwater / aquifers. However, there may be a risk of surface migration of contamination into Lower Mother Ditch. Given the site's former and current surrounding development (steelworks) it is anticipated that the nearby watercourse are already impacted to some degree. |
|                                                                                                                                                       | <b>R2</b> Future adjacent site users – industrial workers | <b>P2</b> Migration of contamination via dust/fibre deposition, vapour or groundwater migration combined with inhalation. | Unlikely   | Mild     | Very low       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                       | <b>R3</b> Future proposed development                     | <b>P3</b> Direct contact with contaminated soils or groundwater and chemical attack                                       | Likely     | Medium   | Moderate       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                       | <b>R4</b> Surface water in the Bristol Channel            | <b>P4</b> Groundwater in the secondary aquifer and Lower Mother Ditch outfall.                                            | Low        | Medium   | Moderate/low   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>S5</b> Natural soil strata with degradable organic content, e.g. alluvium, peat.                                                                   | <b>R1</b> Future site users                               | Migration, accumulation and inhalation                                                                                    | Low        | Medium   | Moderate/low   | Based on the Client's information, it is understood that no buildings have been proposed and, therefore, the risk of ground gas is considered to be low.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

| Potential source                               | Potential receptor                                        | Possible pathway | Likelihood | Severity | Potential risk | Justification |
|------------------------------------------------|-----------------------------------------------------------|------------------|------------|----------|----------------|---------------|
| <b>S6</b> Made Ground.<br><b>S7</b> Mine Gases | <b>R2</b> Future adjacent site users – industrial workers |                  | Unlikely   | Medium   | Low            |               |

| Potential source                                                                | Potential receptor          | Possible pathway                                                                                                          | Likelihood | Severity | Potential risk | Justification                                                                                                                                                                                                                          |
|---------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------|------------|----------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sources off site</b>                                                         |                             |                                                                                                                           |            |          |                |                                                                                                                                                                                                                                        |
| <b>S4</b> Industrial process associated within the wider steelwork to the north | <b>R1</b> Future site users | <b>P2</b> Migration of contamination via dust/fibre deposition, vapour or groundwater migration combined with inhalation. | Unlikely   | Medium   | Low            | The redevelopment is within a wider area of industrial activity which is regulated and controlled under best practice and environmental permits. Uncontrolled emissions and production of hazardous substances are therefore unlikely. |

| Risk matrix |                | Consequences |              |              |              |
|-------------|----------------|--------------|--------------|--------------|--------------|
|             |                | Severe       | Medium       | Mild         | Minor        |
| Probability | Highly likely  | Very high    | High         | Moderate     | Moderate/low |
|             | Likely         | High         | Moderate     | Moderate/low | Low          |
|             | Low likelihood | Moderate     | Moderate/low | Low          | Very low     |
|             | Unlikely       | Moderate/low | Low          | Very low     | Very low     |
|             | Very Unlikely  | Low          | Very Low     | Negligible   | Negligible   |

Potentially complete contaminant linkages with a potential risk of moderate to low or higher comprise:

- **R1** future site users – industrial workers [oral, dermal and inhalation exposure with impacted soil, soil vapour and dust/fibres]
- **R3** future buildings and services [direct contact with contaminated soils or groundwater and chemical attack]
- **R4** Surface water in the Bristol Channel [groundwater in secondary aquifer within superficial deposits]

In line with LCRM, these potentially complete contaminant linkages need to be assessed further through an appropriate scope of site investigation and/or mitigation incorporated into the development as may be appropriate.

## **5.4 Data gaps and uncertainties**

Key data gaps and uncertainties identified in the CSM at desk study stage include:

- any existing services (if present) beneath the site is currently unknown
- the current drainage strategy across the site is also unknown

## 6 CONCLUSIONS AND RECOMMENDATIONS

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### 6.1 Geo-environmental assessment

The following environmental constraints should be considered for the site and the proposed development:

- Localised pollutant linkages associated with former land uses (Morfa Colliery / railway sidings) and the existing site usage (storage area) that may include the presence of petroleum hydrocarbons, polyaromatic hydrocarbons (PAHs), toxic and phytotoxic metals and asbestos. These are considered a risk to human health and controlled waters. It should be noted that the proposed development (concrete slab) will be considered an effective barrier to mitigate the direct contact of contaminants to the end users (commercial end use) hence the risk is mitigated.
- There is a potential source of mine gases associated with the former colliery works (Morfa Colliery) which can lead to the build-up of carbon dioxide, carbon monoxide and methane in enclosed spaces. However, it is understood that no buildings have been proposed and therefore, the risk of ground gas is considered to be low.
- There are off-site sources of contamination associated with the active steelworks located approximately 150m north of the site that may include the presence of petroleum hydrocarbons, polyaromatic hydrocarbons (PAHs), toxic and phytotoxic metals and possibly asbestos. However, it should be noted that there is a proposed redevelopment of the surrounding area and hence risks to end users are low.
- There are minor off-site contamination risk associated with the former railway sidings that may include localised metals and hydrocarbons but the risk is considered to be low in the context of the development

### 6.2 Geotechnical assessment

Based on available information, the following geotechnical constraints should be considered for the site prior to construction of the proposed concrete slab:

- Made Ground is likely to be present across the site at variable depths and composition (depth of which is unknown but may be encountered to 6.0m).
- Made Ground may have elevated sulphate content (if presence of coal, slag and steel) which may present a risk to buried concrete and, therefore, there may be a requirement to use sulphate resistant concrete (subject to confirmation of soil testing).
- Superficial deposits comprising unconsolidated (low strength) strata are anticipated to be present beneath the site and are likely poor bearing strata and in places may have high organic content.
- The presence of any mine shafts (neared mine entry recorded 70m north of the site) and coal workings beneath the site should be considered prior to the construction of the concrete slab. However, given the significant depth of the coal workings and the anticipated load

of the slab this is unlikely to be considered a risk (subject to assessment made under a separate cover by Wardell Armstrong).

- Shallow groundwater is anticipated to be present across the site which could impact bearing capacity and excavation stability.

## 6.3 Recommendations

The following recommendations are made for the site:

- Undertake intrusive works (ground investigation) across the site to confirm the design parameters.
- The site lies within the Coal Authority Coal Mining Reporting Area and a Development High Risk Area. In these locations there is a requirement under the current planning regime to complete a Coal Mining Risk Assessment (CMRA). A Coal Mining Technical Note (Ref: ST20879001) was prepared by Wardell Armstrong in April 2024 which indicates the risks associated with coal mining to any proposed development is low to moderate.

## REFERENCES

---

### **Previous SI reports and other site related information**

RSK (March 2022) Project Cronus Phase 2 Geoenvironmental Ground Investigation Report

RSK (October 2022) Supplementary Project Cronus Phase 2 Geoenvironmental Ground Investigation Report

RSK (June 2024) Phase I Desk Study Report: EAF Project

### **Standards and guidance**

AGS (2021a), 'Assessment and Control of Asbestos Risk in Soil- Part 1: Protection of personnel working on Ground Investigations'.

AGS (May 2021b), 'Assessment and Control of Asbestos Risk in Soil- Part 2: Protection of Personnel working in Geotechnical and Geoenvironmental Laboratories.

AGS (2022), UK Specification for Ground Investigation (UKSGI), third edition, 2022.

Baker, K., Hayward, H., Potter, L., Bradley, D. and McLeod, C. (2009), CIRIA Report C682. The VOCs Handbook. Investigating, assessing and managing risks from inhalation of VOCs at land affected by contamination.

BGS GeoClimate UKCP18 dataset ([bgs.ac.uk](http://bgs.ac.uk))

Boyle, R. A. and Witherington, P. J. (2007), 'Guidance on Evaluation of Development Proposals on Sites where Methane and Carbon Dioxide are Present', National House-Building Council and RSK Group.

BRE (2023). Radon – Guidance on protective measures for new buildings, Chris Scivyer, BRE Report BRE 211. BRE Group, 2023.

British Standards Institution (BSI) (1990), 'BS 1377:1990. Methods of test for soils for civil engineering purposes'.

British Standard Institution (BSI) (2002), 'BS EN ISO 14688-1:2002+A1:2013. Geotechnical investigation and testing. Identification and classification of soil: Identification and description'.

British Standard Institution (BSI) (2004), 'BS EN ISO 14688-2:2004+A1:2013. Geotechnical investigation and testing. Identification and classification of soil: Principles for a classification'.

British Standards Institution (BSI) (2004), 'BS EN 1997-1:2004. Geotechnical Design – Part 1: General rules'.

British Standards Institution (BSI) (2007), 'BS EN 1997-2:2007. Geotechnical Design – Part 2: Ground investigation and testing'.

British Standards Institution (BSI) (2013), BS 8576:2013. Guidance on investigations for ground gas – permanent gases and volatile organic compounds (VOCs).

British Standard Institution (BSI) (2014), 'BS EN ISO 17892:2014. Geotechnical investigation and testing. Laboratory testing of soil'.

British Standard Institution (BSI) (2014), 'BS EN ISO 14689:2017. Geotechnical investigation and testing. Identification, description and classification of rock'.

British Standards Institution (BSI) (2017), 'BS 10175:2011 + A2:2017. Investigation of potentially contaminated sites: Code of practice'.

British Standard Institution (BSI) (2019), 'BS 8485:2015+A1:2019. Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings'.

British Standards Institution (BSI) (2020), 'BS 5930:2015+A1:2020. Code of practice for ground investigations'.

British Standards Institution (BSI) (2009), 'BS EN ISO 5667-11. Water Quality. Sampling – Guidance on sampling of groundwaters'.

British Standards Institution (BSI) (2023), 'BS EN ISO 5667-1. Water Quality. Sampling – Guidance on the design of sampling programmes and sampling techniques'.

Building Research Establishment (2005), BRE Special Digest 1: Concrete in aggressive ground.

Card G, Wilson S, Mortimer S, (2012). A Pragmatic Approach to Ground Gas Risk Assessment. CL:AIRE Research Bulletin RB17. CL:AIRE, London, UK. ISSN 2047- 6450 (Online).

Chartered Institute of Environmental Health (CIEH), (2008), The Local Authority Guide to Ground Gas. Wilson, Card and Haines, September 2008.

CIRIA (1999). Piled foundations in weak rock. Report 181.

CIRIA (2014). Good practice on the testing and verification of protection systems for buildings against hazardous ground gases.

CIRIA (2019), 'C758 D. Abandoned Mine Workings Manual'.

CL:AIRE (2021), Good practice for risk assessment for coal mine gas emissions. CL:AIRE, November 2021.

The Contaminated Land Regulations (England) 2006, <https://www.legislation.gov.uk/> .

The Contaminated Land (England) (Amendment) Regulations 2012, <https://www.legislation.gov.uk/>

Defra (2012), Part IIA of the Environmental Protection Act 1990, Contaminated Land Statutory Guidance, April 2012.

Environment Agency (2021a), Land contamination risk management, <https://www.gov.uk/government/publications/land-contamination-risk-management-lcrm>, April 2021.

Environment Agency (2021b), 'Technical Guidance WM3. Guidance on the classification of and assessment of waste, 1st Edition, v.1.2, October 2021.

Highway England (2020). Design for new pavement foundations. Design Manual for Road and Bridges. CD225, Revision 1.

National House Building Council (NHBC) (2016), Technical Extra, April 2016.

National House Building Council (NHBC) (2023a), NF93 – Foundation solutions: future proofing against climate change.

National House Building Council (NHBC) (2023b), NF94 – Hazardous Ground Gas. An essential guide for housebuilders.

National House Building Council (NHBC) (2024), NHBC Standard, January 2024

Norbury, D. (2020), Soil and Rock Description in Engineering Practice. Whittles Publishing, 3rd Edition.

Part IIA of the Environmental Protection Act (Contaminated Land Regulations (England)) 2002.

Tomlinson, M.J. (2001) Foundation Design and Construction. 6<sup>th</sup> Edition.

Rudland, D. J., Lancefield, R. M. and Mayell, P. N. (2001), CIRIA C552. Contaminated Land Risk Assessment: A Guide to Good Practice.

SoBRA (2022), Guidance on Assessing Risk to Controlled Waters from UK Land Contamination Under Conditions of Future Climate Change, Version 1.0, August 2022.

Stone, K., Murray, A., Cooke, S., Foran, J., Gooderham, L., (2009) CIRIA C681, Unexploded Ordnance (UXO). A guide for the construction industry.

Transport and Road Research Laboratory, (1970), 'TRRL Road Note 29 (Appendix 1). Road pavement design'.

Transport and Road Research Laboratory (1984), 'TRRL Report LR1132 (Table C1)'.

UK Health Security Agency & British Geological Survey (2022), UK Radon Affected Area Map. Accessed from: **[www.ukradon.org/information/maps](http://www.ukradon.org/information/maps)**.

UK Water Industry Research, (2010), UKWIR Report 10/WM/03/21. Guidance for the Selection of Water Supply Pipes to be used in Brownfield Sites.

# FIGURES

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**Figure 1 SITE LOCATION PLAN**



|     |          |             |       |      |      |
|-----|----------|-------------|-------|------|------|
| C01 | 08.07.24 | First Issue | LS    | JL   | JL   |
| Rev | Date     | Amendment   | Drawn | Chkd | Appd |

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|              |      |                                   |               |            |             |     |                                |
|--------------|------|-----------------------------------|---------------|------------|-------------|-----|--------------------------------|
| Client       |      | Tata Steel UK Limited             |               |            |             |     |                                |
| Project Name |      | P Fields, Tata Steel, Port Talbot |               |            |             |     |                                |
| Description  |      | Site Location Plan                |               |            |             |     |                                |
| Dimension    | Size | Scale                             | Geolocation   | Project ID | Drawing no. | Rev | File name                      |
| m            | A4   | 1:25,000                          | 277629,186302 | 315609     | 11101       | C01 | 315609-BL-111-XX-D-G-11101-C01 |

**Figure 2 SITE LAYOUT PLAN**



## **APPENDICES**

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# APPENDIX A

## SERVICE CONSTRAINTS

---

### 1. Service Constraints for all Reports

1.1. This Report (the "Report") and any study, inspection, investigation, sampling, testing and or interpretation carried out in connection with the Report (together the "Services") were compiled and carried out by RSK Environment Limited (RSK) trading as Carbon Zero Consulting, Leap Environmental or RSK Geosciences, for the Client named in the first paragraph of the Report (the "Client") in accordance with the terms of an RSK Fee Proposal including RSK Environment Standard Terms and Conditions (the "Appointment") between RSK and the Client, unless otherwise stated in the first paragraph of the Report. The Services were performed by RSK with the reasonable skill and care ordinarily exercised by a geo-environmental consultant at the time the Services were performed. Nothing in this Report shall be construed as imposing any fitness for purpose obligation. Further, and in particular, the Services were performed by RSK taking into account the limits of the scope of works required by the Client, the time scale involved and the resources, including financial and manpower resources, agreed between RSK and the Client.

1.2 Other than that, expressly contained in paragraph 1 above, RSK provides no other representation or warranty whether express or implied, in relation to the Services. RSK shall not be liable in respect of any action or proceedings arising out of or in connection with this Report whether in contract, in tort, for breach of statutory duty or otherwise after the expiry of six (6) years from either (i) the date of the Report or (ii) such earlier date as prescribed by law, unless varied in the terms of the Appointment.

1.3 Unless otherwise agreed in writing, the Services were performed by RSK exclusively for the purposes of the Client. RSK is not aware of any interest of or reliance by any party other than the Client in or on the Services. Unless expressly provided in writing, RSK does not authorise, consent, or condone any party, other than the Client relying upon the Services. Should this Report or any part of this Report, or details of the Services or any part of the Services, be made known to any such party, and such party relies thereon, that party does so wholly at its own and sole risk, and RSK disclaims any liability to such parties. Any such party would be well advised to seek independent advice from a competent geo-environmental consultant and/or lawyer.

1.4 The Client shall not, without the prior written consent of RSK, assign, transfer, charge, mortgage, subcontract, or deal in any other manner with all or any of the benefits provided in this Report. Unless specified in the Appointment, RSK shall not be obliged to assign the benefit of the Report whether by collateral warranty, third party rights pursuant to the Contracts (Rights of Third Parties) Act 1999, letter of reliance or otherwise. If RSK agrees to any assignment of the benefit of this Report, in whatever form, benefits to third parties through collateral warranties, third party rights or letters of reliance shall not be provided unless a fee for each right, warranty or letter is agreed. The form of wording used in the warranty or letter shall be provided by RSK for agreement by the Client. Any reasonable changes to the form of wording will be implemented by mutual agreement, however the terms in the warranty or letter cannot offer the third party any greater benefit than the Appointment offered to the Client.

1.5 It is the understanding of RSK that this Report is to be used for the purpose described in the introduction to the Report. That purpose was a significant factor in determining the scope and level of the Services. Should the purpose for which the Report is used, or the proposed use of the site change, this Report may no longer be valid and any further use of or reliance upon the Report in those circumstances by the Client without the review and advice of RSK shall be at the Client's sole and own risk. RSK shall not be liable for any use of this Report for any purpose other than that for which it was provided.

1.6 The passage of time may result in changes in site conditions, regulatory or other legal provisions, technology or economic conditions which could render the Report inaccurate or unreliable. The information and conclusions contained in this Report should not be relied upon in the future without the written advice of RSK. In the absence of such written advice of RSK, reliance on the Report in the future shall be at the Client's own and sole risk.

1.7 The observations and conclusions described in this Report are based solely upon the Services which were provided pursuant to the agreement between the Client and RSK. RSK has not performed any observations, investigations, studies or testing not specifically set out, or required by the Appointment between the Client and RSK. RSK is not liable for the existence of any condition, the discovery of which would require performance of services not otherwise contained in the Services. For the avoidance of doubt, unless otherwise expressly referred to in the introduction to this Report, RSK did not seek to evaluate the presence on or off site of asbestos, invasive plants, electromagnetic fields, lead paint, heavy metals, radon gas, fuel storage, persistent bio-accumulative or toxic chemicals (including PFAS and related compounds) or other radioactive or hazardous materials, unless specifically identified in the Services.

1.8 The Services are based upon RSK's observations of existing physical conditions at the Site gained from a visual inspection of the site together with RSK's interpretation of desk based publicly available information, including documentation, obtained from third parties and from the Client on the history and usage of the site, unless specifically identified in the Services and the limitations below:

- a. The Services were based on information and/or analysis provided by independent testing and information services or laboratories upon which RSK was reasonably entitled to rely.
- b. The Services were limited by the accuracy of the information, including documentation, reviewed by RSK and the observations possible at the time of the visual inspection.
- c. The Services did not attempt to independently verify the accuracy or completeness of information, documentation or materials received from the Client or third parties, including laboratories and information services, during the performance of the Services.
- d. The Client has identified in writing to RSK, the information, reports, findings, surveys and preliminary works RSK may not rely upon when providing the Services.

RSK is not liable for any inaccurate information or conclusions, the discovery of which inaccuracies required the doing of any act including the gathering of any information which was not reasonably available to RSK, and including the doing of any independent investigation of the information provided to RSK, save as otherwise provided in the terms of the Appointment between the Client and RSK.

1.9 Any site drawing(s) provided in this Report is (are) not meant to be an accurate base plan for scale measurement but is (are) used to present the general relative locations of features on, and surrounding, the site. Features (intrusive and sample locations etc) annotated on site plans are not drawn to scale but are centred over the approximate location. Such features should not be used for accurate setting out and should be considered indicative only.

1.10 Should RSK be requested to review the Report after the date of issue of this Report, RSK shall be entitled to additional payment at the existing rates, or such other terms as agreed between RSK and the Client.

## **2. Service Constraints where the Report provides an intrusive assessment of ground conditions:**

2.1 The intrusive environmental ground investigation aspects of the Services are a limited sampling of soil from the site, at pre-determined locations based on the known historic / operational configuration of the site. The conclusions given in this Report are based on information gathered at the specific test locations and can only be extrapolated to an undefined limited area around those locations. The extent of the limited area depends on the properties of the materials adjacent and local conditions, together

with the position of any current structures and underground utilities and facilities, and natural and other activities on site. In addition, chemical analysis was carried out for a limited number of parameters (as stipulated in the scope agreed between the Client and RSK, based on an understanding of the available operational and historical information) and it should not be inferred that other chemical species (not tested) are not present.

2.2 The comments given in this Report and the opinions expressed are based on the ground conditions encountered during the site work and on the results of tests made in the field and in the laboratory. The extent of the exploratory holes, laboratory testing and monitoring undertaken may have been restricted due to a number of factors including accessibility, the presence of buried or overhead services, current development, site usage, timescales or the Client's specification. The exploratory holes only assess a small proportion of the site area with respect to the site as a whole, and as such may only provide an indicative assessment of ground conditions on site. There may be conditions pertaining to the site that have not been disclosed by the investigation and therefore could not be taken into account. In particular, it should be noted that there may be areas of made ground not detected due to the limited nature of the investigation or the thickness and quality of made ground across the site may be variable. In addition, groundwater levels and ground gas concentrations and flows, may vary from those reported due to seasonal, or other, effects and the limitations stated in the data should be recognised. The presence of hotspots of undisclosed contamination or exceptional and unforeseen ground conditions cannot be discounted.

2.3 Where the Services include Investigation of an exploratory nature or relating to physical ground works, any costings and prices provided in the Report are estimated and provided for guidance purposes only. The actual cost and time quantities shall be remeasured and shall be dependent upon the ground or other conditions, constraints present, and number and depth of the investigation locations, which shall influence the number of samples and tests required, and the quantities of soil being classified.

2.4 Asbestos is often observed to be present in soils in discrete areas. Whilst asbestos-containing materials may have been locally encountered during the fieldworks or supporting laboratory analysis, the history of brownfield and demolition sites indicates that asbestos fibres may be present more widely in soils and aggregates, which could be encountered during more extensive ground works. However, this Report does not constitute an asbestos survey. On this basis, the presence of asbestos on site cannot be discounted and a full asbestos survey should be undertaken.

2.5 Unless stated otherwise, only preliminary geotechnical recommendations are presented in this Report and these should be verified in a Geotechnical Design Report, once proposed construction and structural design proposals are confirmed. Eurocode 7 gives guidance on the type of sampling, sample quality, number and spacing of intrusive investigations, and number of laboratory tests required. It is intended that the Geotechnical Information section of this Report will fulfil the general requirements of the Ground Investigation Report as set out in section 6 of Eurocode7, although this is subject to the restrictions imposed on the investigation, as listed above. For geotechnical design, Eurocode 7 requires the Geotechnical Design Report to address both the geotechnical and structural aspects of the geotechnical design for both the limit and serviceability states. The Geotechnical Appraisal section of this Report will not meet the requirements of a Geotechnical Design Report (GDR) and should therefore be used for preliminary guidance only.

### **3. Service Constraints where the Report relates to Surface Water Management:**

3.1 The Surface Water Management Inspection (SWMI) Report, documents provided, observations, actions, and recommendations, with respect to the management of potential pollution issues to surface waters, made during the site Inspection visit, are those present at the time of the visit, and may not represent those recorded by others on the same day.

3.2 The comments given in this Report and the opinions expressed are based on the weather, ground and ground water conditions encountered during the site work and on the results of tests made in the field and in the laboratory. However, there may be conditions pertaining to the site that have not

been disclosed by the inspection and therefore could not be taken into account. In addition, groundwater levels and flows, may vary from those Reported due to seasonal, or other, effects and the limitations stated in the data should be recognised.

3.3 RSK places a degree of dependence upon oral information provided by site representatives, which is not readily verifiable through visual inspection, or supported by any available written documentation. RSK shall not be held responsible for conditions or consequences arising from relevant facts that were not fully disclosed by facility or site representatives at the time this Report was prepared.

3.4 This Report is a live document, to be continually reviewed and updated as the development progresses or other changes occur on site. RSK can only maintain the currency of this Report through the Client requesting support with supplementary site visits or attendance at meetings ahead of key stages of the development in relation to surface water management. Our risk rating assesses a number of risk factors in line with the source-pathway- receptor model and is therefore subject to constant change.

3.5 Standard design drawings are indicative. Material types, dimensions and construction details will need to be adjusted by the Client to suit the specific conditions / flows on Site.

3.6 The full responsibility for implementing the site-specific protection and maintenance measures to protect the surface water system as stated in this Report, remains with the Client and their site management team. Additional control measures may be required to achieve the objectives set out in the Surface Water Management Plan to be implemented and financed by the Client.

#### **4. Service Constraints where the Report relates to Waste Management:**

4.1 In accordance with the definition provided in the Waste Framework Directive (WFD), materials are only considered waste if 'they are discarded, intended to be discarded or required to be discarded, by the holder'. Naturally occurring soils are not considered waste if re-used on the site of origin for the purposes of development. Soils such as made ground that are not of clean and natural origin (irrespective of whether they are contaminated or not) and other materials such as recycled aggregate, do not necessarily become waste until the criteria above are met. Excavation arisings from the development may therefore be classified as waste if surplus to requirements and/or unsuitable for re-use.

4.2 It is the duty of the waste producer, to ensure that all waste is accurately classified prior to waste disposal. Technical Guidance WM3 (EA, 2018) sets out in its Appendix D requirements for waste sampling. It is a legal requirement to correctly assess and classify waste. The level of sampling should be proportionate to the volume of waste and its heterogeneity. Unless otherwise stated, the waste assessment presented in this Report should be considered as preliminary and further testing and assessment of the waste under the provisions of a Waste Sampling Plan may be required to obtain the necessary level of data required for basic characterisation of the waste in support of disposal.

4.3 Unless stated otherwise in the Report, information relating to historical operations at the site was not reviewed as part of the assessment by RSK. In addition, unless otherwise stated in the Services, RSK was not present during the collection of the samples nor had any input on the chemical testing suite. Therefore, the waste assessment and classification detailed in this Report are based solely on any information that were provided to RSK (e.g., laboratory chemical data, exploratory hole records) and were completed without prejudice for our Client.

4.4 RSK assumes that any ground investigation data, chemical testing results etc., that were provided by the Client to inform the waste assessment and supporting review were carried out in accordance with current best practice and relevant guidance/ standards, where applicable. Thus, the comments given in this Report and the opinions expressed are based solely on the information provided by the Client. However, it is noted that there may be conditions pertaining to the site that have not been disclosed by the investigation and therefore could not be taken into account as part of the RSK assessment.

## **5. Service Constraints for Construction Environmental Management Plan Reports:**

5.1 This Report should be considered in the light of any changes in legislation, statutory requirement or industry practices that may have occurred subsequent to the date of issue.

5.2 The measures and comments outlined in this Report and any opinions expressed are based on the plans provided at the time and discussions with relevant parties. However, there may be conditions pertaining to the site that have not been disclosed by investigations and therefore could not be taken into account.

5.3 This CEMP is a live document and is subject to change throughout the project, as and when necessary, to ensure management of environmental aspects remains relevant, and to ensure continued compliance with legislation and commitments as they may change. RSK understands that this CEMP will be reviewed by the Client every six months and updated as and when necessary.

5.4 It is the full responsibility of the Principal Contractor/ Client to ensure that their works do not contravene legal requirements, and adherence to this CEMP alone cannot be a full defence regarding legal action against the Principal Contractor.

## **6. Service Constraints where the Report relates to Ground Gas Membrane Verification:**

6.1 This Report is limited to the verification of the gas resistant membrane/vapour membrane/radon barrier after installation and no inspections were undertaken of the substrate (i.e. prepared ground). The Report therefore does not constitute as a full verification of ground gas protection system.

6.2 The comments given in this Report and the opinions expressed, are based on the condition of the ground gas membrane as encountered at the time of inspection by suitably qualified personnel. RSK cannot accept liability for any subsequent change to the status of the gas membrane by follow-on trades or other construction activity.

6.3 Where not designed by RSK, the verification of protection measures is carried out with reference to the gas protection design provided by the Client. RSK assume the scope of gas protection measures as determined by third parties to be correct and to have achieved any required approval from authorities.

6.4 The Ground Gas Design Report/Remediation Strategy and Verification Plan contains details of the procedures to be adopted for inspection and validation of the works. However, it should be noted that responsibility for the correct implementation of the strategy lies with the appointed contractor. RSK cannot be held responsible for any remedial works that are carried out without the agreed procedures involving either direct supervision by RSK, or inspection and validation of the works by a representative from RSK.

## **7. Service Constraints for Environmental Due Diligence (EDD) Reports:**

7.1 The comments given in this Report and the opinions expressed are based on the information obtained and reviewed as part of the desk-based assessment. However, there may be conditions pertaining to the Site that have not been disclosed by the assessment and therefore could not be taken into account. Furthermore, no intrusive investigations, monitoring or sampling have been undertaken to confirm the environmental status of the site, therefore any comments relating to ground conditions and subsurface contamination are based solely on a review of desk-based information.

7.2 This Report describes the results of the EDD exercise. The scope of this EDD Report, where appropriate, covers legal or regulatory compliance with respect to UK or international regulations associated with environmental matters.

7.3 As with any EDD exercise, there is a certain degree of dependence upon information provided by the target company. The EDD does not include a site walkover / visit or liaison with site representatives unless identified in the Services. Therefore, the assessment is based on the available desk study information. Also, there is a certain degree of dependence upon oral information provided

by site representatives, which is not readily verifiable through visual inspection, or supported by any available written documentation. RSK shall not be held responsible for conditions or consequences arising from relevant facts that were not fully disclosed by facility or site representatives at the time this EDD exercise was performed.

7.4 This Report, including all supporting data and notes (collectively referred to hereinafter as "information"), was prepared or collected by RSK for the benefit of its Client.

7.5 The comments given in this Report and the opinions expressed are based on the information obtained and reviewed as part of the desk-based assessment and the site inspection visit. However, there may be conditions pertaining to the Site that have not been disclosed by the assessment and therefore could not be taken into account. Furthermore, no intrusive investigations, monitoring or sampling have been undertaken to confirm the environmental status of the Site therefore any comments relating to ground conditions and subsurface contamination are based solely on a review of desk-based information and observations collected during the site inspection visit.

#### **8. Service Constraints for Ground source heat energy Reports:**

8.1 It is understood that this is a desktop survey only and that there are no requirements for a site walkover, service utility survey, or provision of service plans. These services can be provided upon request if required.

8.2 At a later stage, it is possible that a thermal response test (TRT) will need to be completed, for which a test borehole will have to be drilled, and these would be costed at the time. RSK can provide all aspects of subsequent site work for a GSHP system if required.

#### **9. Service Constraints for Water Abstraction Borehole Reports:**

9.1 The Report aims principally to only identify and assess the suitability of the site for a water abstraction borehole. This Report should be considered in the light of any changes in legislation, statutory requirements, and industry practices, that have occurred subsequent to the date of the Report.

9.2 Unless stated in the Report, the opinions expressed in this Report including all comments and recommendations provided are on the basis of the information obtained from a desk-based assessment.

## **Appendix B**

### **ENVIRONMENTAL DATABASE REPORT**

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## P Fields, Tata Steel, Port Talbot

### Order Details

**Date:** 08/07/2024  
**Your ref:** P02151174  
**Our Ref:** GS-5ZG-1DW-LRA-WYG

### Site Details

**Location:** 277624 186281  
**Area:** 3.18 ha  
**Authority:** [Castell-nedd Port Talbot - Neath Port Talbot County Borough](#) ↗



**Summary of findings**

[p. 2](#) >

**Aerial image**

[p. 9](#) >

**OS MasterMap site plan**

[p.14](#) >

[Insight User Guide](#) ↗

## Summary of findings

| Page                    | Section                  | <a href="#">Past land use &gt;</a>                   | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
|-------------------------|--------------------------|------------------------------------------------------|---------|-------|---------|----------|-----------|
| <a href="#">15 &gt;</a> | <a href="#">1.1 &gt;</a> | <a href="#">Historical industrial land uses &gt;</a> | 10      | 12    | 20      | 33       | -         |
| <a href="#">18 &gt;</a> | <a href="#">1.2 &gt;</a> | <a href="#">Historical tanks &gt;</a>                | 0       | 2     | 55      | 83       | -         |
| <a href="#">24 &gt;</a> | <a href="#">1.3 &gt;</a> | <a href="#">Historical energy features &gt;</a>      | 0       | 1     | 0       | 3        | -         |
| 24                      | 1.4                      | Historical petrol stations                           | 0       | 0     | 0       | 0        | -         |
| 24                      | 1.5                      | Historical garages                                   | 0       | 0     | 0       | 0        | -         |
| 25                      | 1.6                      | Historical military land                             | 0       | 0     | 0       | 0        | -         |
| Page                    | Section                  | <a href="#">Past land use - un-grouped &gt;</a>      | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">26 &gt;</a> | <a href="#">2.1 &gt;</a> | <a href="#">Historical industrial land uses &gt;</a> | 10      | 17    | 24      | 42       | -         |
| <a href="#">30 &gt;</a> | <a href="#">2.2 &gt;</a> | <a href="#">Historical tanks &gt;</a>                | 0       | 3     | 61      | 135      | -         |
| <a href="#">37 &gt;</a> | <a href="#">2.3 &gt;</a> | <a href="#">Historical energy features &gt;</a>      | 0       | 2     | 0       | 6        | -         |
| 38                      | 2.4                      | Historical petrol stations                           | 0       | 0     | 0       | 0        | -         |
| 38                      | 2.5                      | Historical garages                                   | 0       | 0     | 0       | 0        | -         |
| Page                    | Section                  | Waste and landfill                                   | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 39                      | 3.1                      | Active or recent landfill                            | 0       | 0     | 0       | 0        | -         |
| 39                      | 3.2                      | Historical landfill (BGS records)                    | 0       | 0     | 0       | 0        | -         |
| 39                      | 3.3                      | Historical landfill (LA/mapping records)             | 0       | 0     | 0       | 0        | -         |
| 39                      | 3.4                      | Historical landfill (EA/NRW records)                 | 0       | 0     | 0       | 0        | -         |
| 39                      | 3.5                      | Historical waste sites                               | 0       | 0     | 0       | 0        | -         |
| 40                      | 3.6                      | Licensed waste sites                                 | 0       | 0     | 0       | 0        | -         |
| 40                      | 3.7                      | Waste exemptions                                     | 0       | 0     | 0       | 0        | -         |
| Page                    | Section                  | <a href="#">Current industrial land use &gt;</a>     | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">41 &gt;</a> | <a href="#">4.1 &gt;</a> | <a href="#">Recent industrial land uses &gt;</a>     | 1       | 0     | 75      | -        | -         |
| 44                      | 4.2                      | Current or recent petrol stations                    | 0       | 0     | 0       | 0        | -         |
| 45                      | 4.3                      | Electricity cables                                   | 0       | 0     | 0       | 0        | -         |
| 45                      | 4.4                      | Gas pipelines                                        | 0       | 0     | 0       | 0        | -         |
| 45                      | 4.5                      | Sites determined as Contaminated Land                | 0       | 0     | 0       | 0        | -         |



| 45 > | 4.6 >   | <a href="#">Control of Major Accident Hazards (COMAH) &gt;</a>       | 2                        | 0     | 0       | 0        | -         |
|------|---------|----------------------------------------------------------------------|--------------------------|-------|---------|----------|-----------|
| 46   | 4.7     | Regulated explosive sites                                            | 0                        | 0     | 0       | 0        | -         |
| 46   | 4.8     | Hazardous substance storage/usage                                    | 0                        | 0     | 0       | 0        | -         |
| 46 > | 4.9 >   | <a href="#">Historical licensed industrial activities (IPC) &gt;</a> | 0                        | 0     | 40      | 0        | -         |
| 51 > | 4.10 >  | <a href="#">Licensed industrial activities (Part A(1)) &gt;</a>      | 0                        | 0     | 155     | 1        | -         |
| 74   | 4.11    | Licensed pollutant release (Part A(2)/B)                             | 0                        | 0     | 0       | 0        | -         |
| 74 > | 4.12 >  | <a href="#">Radioactive Substance Authorisations &gt;</a>            | 0                        | 0     | 5       | 0        | -         |
| 75   | 4.13    | Licensed Discharges to controlled waters                             | 0                        | 0     | 0       | 0        | -         |
| 75   | 4.14    | Pollutant release to surface waters (Red List)                       | 0                        | 0     | 0       | 0        | -         |
| 75   | 4.15    | Pollutant release to public sewer                                    | 0                        | 0     | 0       | 0        | -         |
| 75   | 4.16    | List 1 Dangerous Substances                                          | 0                        | 0     | 0       | 0        | -         |
| 75   | 4.17    | List 2 Dangerous Substances                                          | 0                        | 0     | 0       | 0        | -         |
| 76 > | 4.18 >  | <a href="#">Pollution Incidents (EA/NRW) &gt;</a>                    | 0                        | 0     | 1       | 16       | -         |
| 78   | 4.19    | Pollution inventory substances                                       | 0                        | 0     | 0       | 0        | -         |
| 78   | 4.20    | Pollution inventory waste transfers                                  | 0                        | 0     | 0       | 0        | -         |
| 78   | 4.21    | Pollution inventory radioactive waste                                | 0                        | 0     | 0       | 0        | -         |
| Page | Section | <a href="#">Hydrogeology &gt;</a>                                    | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| 79 > | 5.1 >   | <a href="#">Superficial aquifer &gt;</a>                             | Identified (within 500m) |       |         |          |           |
| 81 > | 5.2 >   | <a href="#">Bedrock aquifer &gt;</a>                                 | Identified (within 500m) |       |         |          |           |
| 82 > | 5.3 >   | <a href="#">Groundwater vulnerability &gt;</a>                       | Identified (within 50m)  |       |         |          |           |
| 83   | 5.4     | Groundwater vulnerability- soluble rock risk                         | None (within 0m)         |       |         |          |           |
| 83   | 5.5     | Groundwater vulnerability- local information                         | None (within 0m)         |       |         |          |           |
| 84 > | 5.6 >   | <a href="#">Groundwater abstractions &gt;</a>                        | 0                        | 0     | 0       | 0        | 4         |
| 85 > | 5.7 >   | <a href="#">Surface water abstractions &gt;</a>                      | 0                        | 0     | 6       | 0        | 1         |
| 87   | 5.8     | Potable abstractions                                                 | 0                        | 0     | 0       | 0        | 0         |
| 87   | 5.9     | Source Protection Zones                                              | 0                        | 0     | 0       | 0        | -         |
| 88   | 5.10    | Source Protection Zones (confined aquifer)                           | 0                        | 0     | 0       | 0        | -         |
| Page | Section | <a href="#">Hydrology &gt;</a>                                       | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| 89 > | 6.1 >   | <a href="#">Water Network (OS MasterMap) &gt;</a>                    | 0                        | 1     | 4       | -        | -         |



| <a href="#">90</a> >  | <a href="#">6.2</a> >  | <a href="#">Surface water features</a> >                      | 0                                      | 1     | 2       | -        | -         |
|-----------------------|------------------------|---------------------------------------------------------------|----------------------------------------|-------|---------|----------|-----------|
| <a href="#">90</a> >  | <a href="#">6.3</a> >  | <a href="#">WFD Surface water body catchments</a> >           | 1                                      | -     | -       | -        | -         |
| 91                    | 6.4                    | WFD Surface water bodies                                      | 0                                      | 0     | 0       | -        | -         |
| <a href="#">91</a> >  | <a href="#">6.5</a> >  | <a href="#">WFD Groundwater bodies</a> >                      | 1                                      | -     | -       | -        | -         |
| Page                  | Section                | River and coastal flooding                                    | On site                                | 0-50m | 50-250m | 250-500m | 500-2000m |
| 92                    | 7.1                    | Risk of flooding from rivers and the sea                      | None (within 50m)                      |       |         |          |           |
| 92                    | 7.2                    | Historical Flood Events                                       | 0                                      | 0     | 0       | -        | -         |
| 92                    | 7.3                    | Flood Defences                                                | 0                                      | 0     | 0       | -        | -         |
| 93                    | 7.4                    | Areas Benefiting from Flood Defences                          | 0                                      | 0     | 0       | -        | -         |
| 93                    | 7.5                    | Flood Storage Areas                                           | 0                                      | 0     | 0       | -        | -         |
| 94                    | 7.6                    | Flood Zone 2                                                  | None (within 50m)                      |       |         |          |           |
| 94                    | 7.7                    | Flood Zone 3                                                  | None (within 50m)                      |       |         |          |           |
| Page                  | Section                | <a href="#">Surface water flooding</a> >                      |                                        |       |         |          |           |
| <a href="#">95</a> >  | <a href="#">8.1</a> >  | <a href="#">Surface water flooding</a> >                      | 1 in 30 year, 0.3m - 1.0m (within 50m) |       |         |          |           |
| Page                  | Section                | <a href="#">Groundwater flooding</a> >                        |                                        |       |         |          |           |
| <a href="#">97</a> >  | <a href="#">9.1</a> >  | <a href="#">Groundwater flooding</a> >                        | Low (within 50m)                       |       |         |          |           |
| Page                  | Section                | <a href="#">Environmental designations</a> >                  | On site                                | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">98</a> >  | <a href="#">10.1</a> > | <a href="#">Sites of Special Scientific Interest (SSSI)</a> > | 0                                      | 0     | 0       | 0        | 2         |
| 99                    | 10.2                   | Conserved wetland sites (Ramsar sites)                        | 0                                      | 0     | 0       | 0        | 0         |
| 99                    | 10.3                   | Special Areas of Conservation (SAC)                           | 0                                      | 0     | 0       | 0        | 0         |
| 99                    | 10.4                   | Special Protection Areas (SPA)                                | 0                                      | 0     | 0       | 0        | 0         |
| 99                    | 10.5                   | National Nature Reserves (NNR)                                | 0                                      | 0     | 0       | 0        | 0         |
| 100                   | 10.6                   | Local Nature Reserves (LNR)                                   | 0                                      | 0     | 0       | 0        | 0         |
| <a href="#">100</a> > | <a href="#">10.7</a> > | <a href="#">Designated Ancient Woodland</a> >                 | 0                                      | 0     | 0       | 0        | 22        |
| 101                   | 10.8                   | Biosphere Reserves                                            | 0                                      | 0     | 0       | 0        | 0         |
| 101                   | 10.9                   | Forest Parks                                                  | 0                                      | 0     | 0       | 0        | 0         |
| 101                   | 10.10                  | Marine Conservation Zones                                     | 0                                      | 0     | 0       | 0        | 0         |
| 102                   | 10.11                  | Green Belt                                                    | 0                                      | 0     | 0       | 0        | 0         |
| 102                   | 10.12                  | Proposed Ramsar sites                                         | 0                                      | 0     | 0       | 0        | 0         |



| 102                   | 10.13                  | Possible Special Areas of Conservation (pSAC)      | 0                        | 0     | 0       | 0        | 0         |
|-----------------------|------------------------|----------------------------------------------------|--------------------------|-------|---------|----------|-----------|
| 102                   | 10.14                  | Potential Special Protection Areas (pSPA)          | 0                        | 0     | 0       | 0        | 0         |
| 102                   | 10.15                  | Nitrate Sensitive Areas                            | 0                        | 0     | 0       | 0        | 0         |
| 103                   | 10.16                  | Nitrate Vulnerable Zones                           | 0                        | 0     | 0       | 0        | 0         |
| 104                   | 10.17                  | SSSI Impact Risk Zones                             | 0                        | -     | -       | -        | -         |
| 104                   | 10.18                  | SSSI Units                                         | 0                        | 0     | 0       | 0        | 0         |
| Page                  | Section                | Visual and cultural designations                   | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| 105                   | 11.1                   | World Heritage Sites                               | 0                        | 0     | 0       | -        | -         |
| 105                   | 11.2                   | Area of Outstanding Natural Beauty                 | 0                        | 0     | 0       | -        | -         |
| 105                   | 11.3                   | National Parks                                     | 0                        | 0     | 0       | -        | -         |
| 105                   | 11.4                   | Listed Buildings                                   | 0                        | 0     | 0       | -        | -         |
| 106                   | 11.5                   | Conservation Areas                                 | 0                        | 0     | 0       | -        | -         |
| 106                   | 11.6                   | Scheduled Ancient Monuments                        | 0                        | 0     | 0       | -        | -         |
| 106                   | 11.7                   | Registered Parks and Gardens                       | 0                        | 0     | 0       | -        | -         |
| Page                  | Section                | <a href="#">Agricultural designations</a> >        | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">107</a> > | <a href="#">12.1</a> > | <a href="#">Agricultural Land Classification</a> > | Grade 5 (within 250m)    |       |         |          |           |
| 108                   | 12.2                   | Open Access Land                                   | 0                        | 0     | 0       | -        | -         |
| 108                   | 12.3                   | Tree Felling Licences                              | 0                        | 0     | 0       | -        | -         |
| 108                   | 12.4                   | Environmental Stewardship Schemes                  | 0                        | 0     | 0       | -        | -         |
| 108                   | 12.5                   | Countryside Stewardship Schemes                    | 0                        | 0     | 0       | -        | -         |
| Page                  | Section                | Habitat designations                               | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| 109                   | 13.1                   | Priority Habitat Inventory                         | 0                        | 0     | 0       | -        | -         |
| 109                   | 13.2                   | Habitat Networks                                   | 0                        | 0     | 0       | -        | -         |
| 109                   | 13.3                   | Open Mosaic Habitat                                | 0                        | 0     | 0       | -        | -         |
| 109                   | 13.4                   | Limestone Pavement Orders                          | 0                        | 0     | 0       | -        | -         |
| Page                  | Section                | <a href="#">Geology 1:10,000 scale</a> >           | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">110</a> > | <a href="#">14.1</a> > | <a href="#">10k Availability</a> >                 | Identified (within 500m) |       |         |          |           |
| <a href="#">111</a> > | <a href="#">14.2</a> > | <a href="#">Artificial and made ground (10k)</a> > | 1                        | 0     | 0       | 0        | -         |
| <a href="#">112</a> > | <a href="#">14.3</a> > | <a href="#">Superficial geology (10k)</a> >        | 1                        | 1     | 1       | 0        | -         |

| 113                   | 14.4                    | Landslip (10k)                                                   | 0                        | 0     | 0       | 0        | -         |
|-----------------------|-------------------------|------------------------------------------------------------------|--------------------------|-------|---------|----------|-----------|
| <a href="#">114</a> > | <a href="#">14.5</a> >  | <a href="#">Bedrock geology (10k)</a> >                          | 2                        | 0     | 2       | 7        | -         |
| <a href="#">115</a> > | <a href="#">14.6</a> >  | <a href="#">Bedrock faults and other linear features (10k)</a> > | 5                        | 1     | 3       | 18       | -         |
| Page                  | Section                 | <a href="#">Geology 1:50,000 scale</a> >                         | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">117</a> > | <a href="#">15.1</a> >  | <a href="#">50k Availability</a> >                               | Identified (within 500m) |       |         |          |           |
| <a href="#">118</a> > | <a href="#">15.2</a> >  | <a href="#">Artificial and made ground (50k)</a> >               | 1                        | 0     | 0       | 0        | -         |
| <a href="#">119</a> > | <a href="#">15.3</a> >  | <a href="#">Artificial ground permeability (50k)</a> >           | 1                        | 0     | -       | -        | -         |
| <a href="#">120</a> > | <a href="#">15.4</a> >  | <a href="#">Superficial geology (50k)</a> >                      | 1                        | 1     | 0       | 0        | -         |
| <a href="#">121</a> > | <a href="#">15.5</a> >  | <a href="#">Superficial permeability (50k)</a> >                 | Identified (within 50m)  |       |         |          |           |
| 121                   | 15.6                    | Landslip (50k)                                                   | 0                        | 0     | 0       | 0        | -         |
| 121                   | 15.7                    | Landslip permeability (50k)                                      | None (within 50m)        |       |         |          |           |
| <a href="#">122</a> > | <a href="#">15.8</a> >  | <a href="#">Bedrock geology (50k)</a> >                          | 2                        | 0     | 0       | 5        | -         |
| <a href="#">123</a> > | <a href="#">15.9</a> >  | <a href="#">Bedrock permeability (50k)</a> >                     | Identified (within 50m)  |       |         |          |           |
| <a href="#">123</a> > | <a href="#">15.10</a> > | <a href="#">Bedrock faults and other linear features (50k)</a> > | 3                        | 1     | 2       | 11       | -         |
| Page                  | Section                 | <a href="#">Boreholes</a> >                                      | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">125</a> > | <a href="#">16.1</a> >  | <a href="#">BGS Boreholes</a> >                                  | 0                        | 1     | 4       | -        | -         |
| Page                  | Section                 | <a href="#">Natural ground subsidence</a> >                      |                          |       |         |          |           |
| <a href="#">127</a> > | <a href="#">17.1</a> >  | <a href="#">Shrink swell clays</a> >                             | Very low (within 50m)    |       |         |          |           |
| <a href="#">128</a> > | <a href="#">17.2</a> >  | <a href="#">Running sands</a> >                                  | Negligible (within 50m)  |       |         |          |           |
| <a href="#">129</a> > | <a href="#">17.3</a> >  | <a href="#">Compressible deposits</a> >                          | Negligible (within 50m)  |       |         |          |           |
| <a href="#">130</a> > | <a href="#">17.4</a> >  | <a href="#">Collapsible deposits</a> >                           | Negligible (within 50m)  |       |         |          |           |
| <a href="#">131</a> > | <a href="#">17.5</a> >  | <a href="#">Landslides</a> >                                     | Very low (within 50m)    |       |         |          |           |
| <a href="#">132</a> > | <a href="#">17.6</a> >  | <a href="#">Ground dissolution of soluble rocks</a> >            | Negligible (within 50m)  |       |         |          |           |
| Page                  | Section                 | <a href="#">Mining and ground workings</a> >                     | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">134</a> > | <a href="#">18.1</a> >  | <a href="#">BritPits</a> >                                       | 0                        | 0     | 2       | 0        | -         |
| <a href="#">135</a> > | <a href="#">18.2</a> >  | <a href="#">Surface ground workings</a> >                        | 5                        | 12    | 17      | -        | -         |
| <a href="#">137</a> > | <a href="#">18.3</a> >  | <a href="#">Underground workings</a> >                           | 1                        | 1     | 1       | 0        | 0         |
| 137                   | 18.4                    | Underground mining extents                                       | 0                        | 0     | 0       | 0        | -         |
| <a href="#">137</a> > | <a href="#">18.5</a> >  | <a href="#">Historical Mineral Planning Areas</a> >              | 0                        | 0     | 1       | 0        | -         |



| <a href="#">138</a> > | <a href="#">18.6</a> >  | <a href="#">Non-coal mining</a> >                         | 1                        | 0     | 1       | 0        | 3         |
|-----------------------|-------------------------|-----------------------------------------------------------|--------------------------|-------|---------|----------|-----------|
| 139                   | 18.7                    | JPB mining areas                                          | None (within 0m)         |       |         |          |           |
| 139                   | 18.8                    | The Coal Authority non-coal mining                        | 0                        | 0     | 0       | 0        | -         |
| 139                   | 18.9                    | Researched mining                                         | 0                        | 0     | 0       | 0        | -         |
| 139                   | 18.10                   | Mining record office plans                                | 0                        | 0     | 0       | 0        | -         |
| 140                   | 18.11                   | BGS mine plans                                            | 0                        | 0     | 0       | 0        | -         |
| <a href="#">140</a> > | <a href="#">18.12</a> > | <a href="#">Coal mining</a> >                             | Identified (within 0m)   |       |         |          |           |
| 140                   | 18.13                   | Brine areas                                               | None (within 0m)         |       |         |          |           |
| 140                   | 18.14                   | Gypsum areas                                              | None (within 0m)         |       |         |          |           |
| 140                   | 18.15                   | Tin mining                                                | None (within 0m)         |       |         |          |           |
| 141                   | 18.16                   | Clay mining                                               | None (within 0m)         |       |         |          |           |
| Page                  | Section                 | Ground cavities and sinkholes                             | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| 142                   | 19.1                    | Natural cavities                                          | 0                        | 0     | 0       | 0        | -         |
| 142                   | 19.2                    | Mining cavities                                           | 0                        | 0     | 0       | 0        | 0         |
| 142                   | 19.3                    | Reported recent incidents                                 | 0                        | 0     | 0       | 0        | -         |
| 142                   | 19.4                    | Historical incidents                                      | 0                        | 0     | 0       | 0        | -         |
| 143                   | 19.5                    | National karst database                                   | 0                        | 0     | 0       | 0        | -         |
| Page                  | Section                 | <a href="#">Radon</a> >                                   |                          |       |         |          |           |
| <a href="#">144</a> > | <a href="#">20.1</a> >  | <a href="#">Radon</a> >                                   | Less than 1% (within 0m) |       |         |          |           |
| Page                  | Section                 | <a href="#">Soil chemistry</a> >                          | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">146</a> > | <a href="#">21.1</a> >  | <a href="#">BGS Estimated Background Soil Chemistry</a> > | 2                        | 3     | -       | -        | -         |
| 146                   | 21.2                    | BGS Estimated Urban Soil Chemistry                        | 0                        | 0     | -       | -        | -         |
| 147                   | 21.3                    | BGS Measured Urban Soil Chemistry                         | 0                        | 0     | -       | -        | -         |
| Page                  | Section                 | <a href="#">Railway infrastructure and projects</a> >     | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| 148                   | 22.1                    | Underground railways (London)                             | 0                        | 0     | 0       | -        | -         |
| 148                   | 22.2                    | Underground railways (Non-London)                         | 0                        | 0     | 0       | -        | -         |
| 149                   | 22.3                    | Railway tunnels                                           | 0                        | 0     | 0       | -        | -         |
| <a href="#">149</a> > | <a href="#">22.4</a> >  | <a href="#">Historical railway and tunnel features</a> >  | 9                        | 8     | 46      | -        | -         |
| 151                   | 22.5                    | Royal Mail tunnels                                        | 0                        | 0     | 0       | -        | -         |



|                       |                        |                            |   |   |   |   |   |
|-----------------------|------------------------|----------------------------|---|---|---|---|---|
| 152                   | 22.6                   | Historical railways        | 0 | 0 | 0 | - | - |
| <a href="#">152</a> > | <a href="#">22.7</a> > | <a href="#">Railways</a> > | 1 | 1 | 8 | - | - |
| 152                   | 22.8                   | Crossrail 1                | 0 | 0 | 0 | 0 | - |
| 153                   | 22.9                   | Crossrail 2                | 0 | 0 | 0 | 0 | - |
| 153                   | 22.10                  | HS2                        | 0 | 0 | 0 | 0 | - |

## Recent aerial photograph



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Capture Date: 14/04/2020

Site Area: 3.18ha



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01273 257 755

Date: 8 July 2024

## Recent site history - 2017 aerial photograph



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Site Area: 3.18ha



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## Recent site history - 2009 aerial photograph



Capture Date: 12/10/2009

Site Area: 3.18ha



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## Recent site history - 2001 aerial photograph



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Capture Date: 27/08/2001

Site Area: 3.18ha



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## Recent site history - 2000 aerial photograph



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Capture Date: 21/07/2000

Site Area: 3.18ha



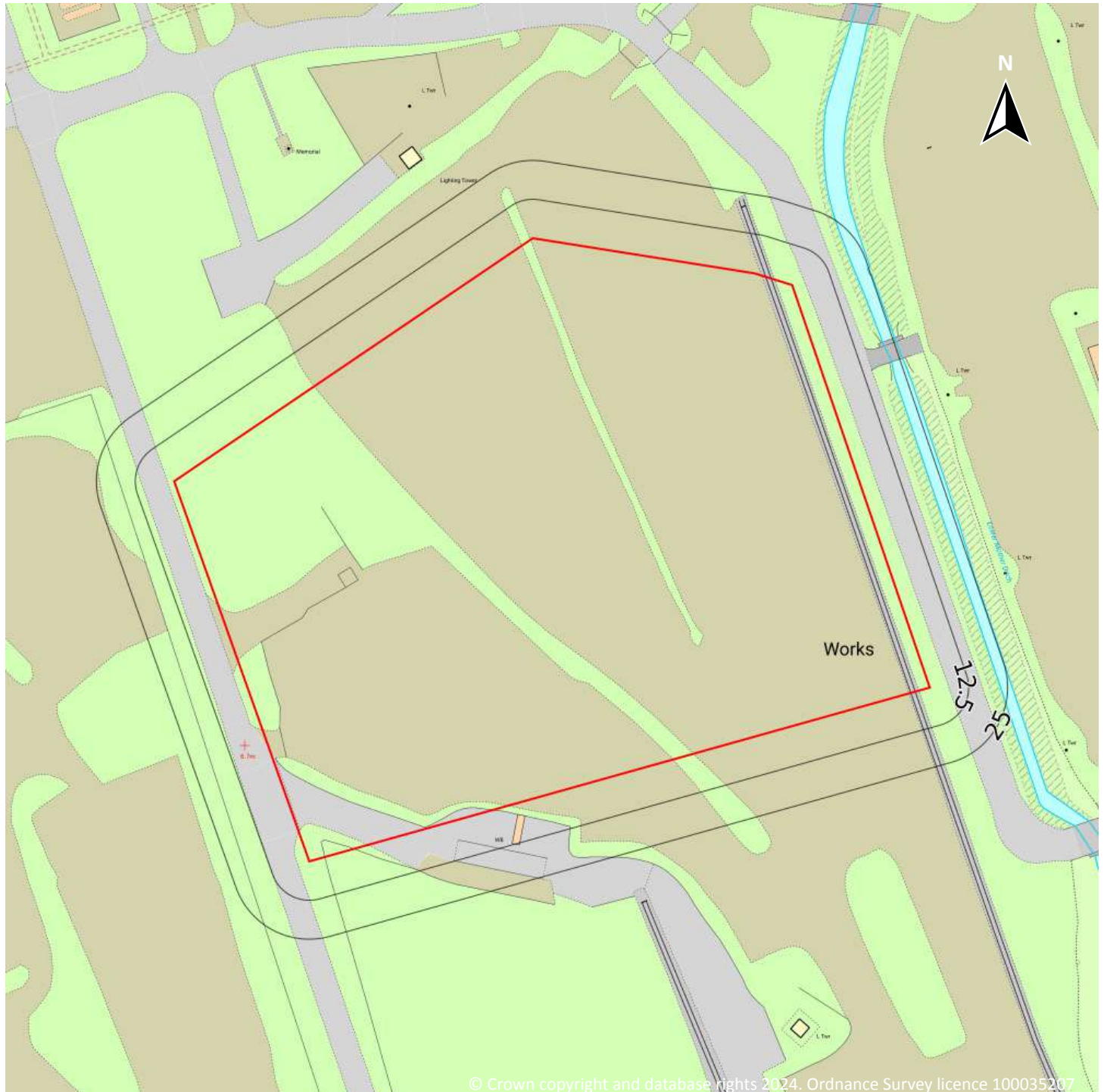
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## OS MasterMap site plan



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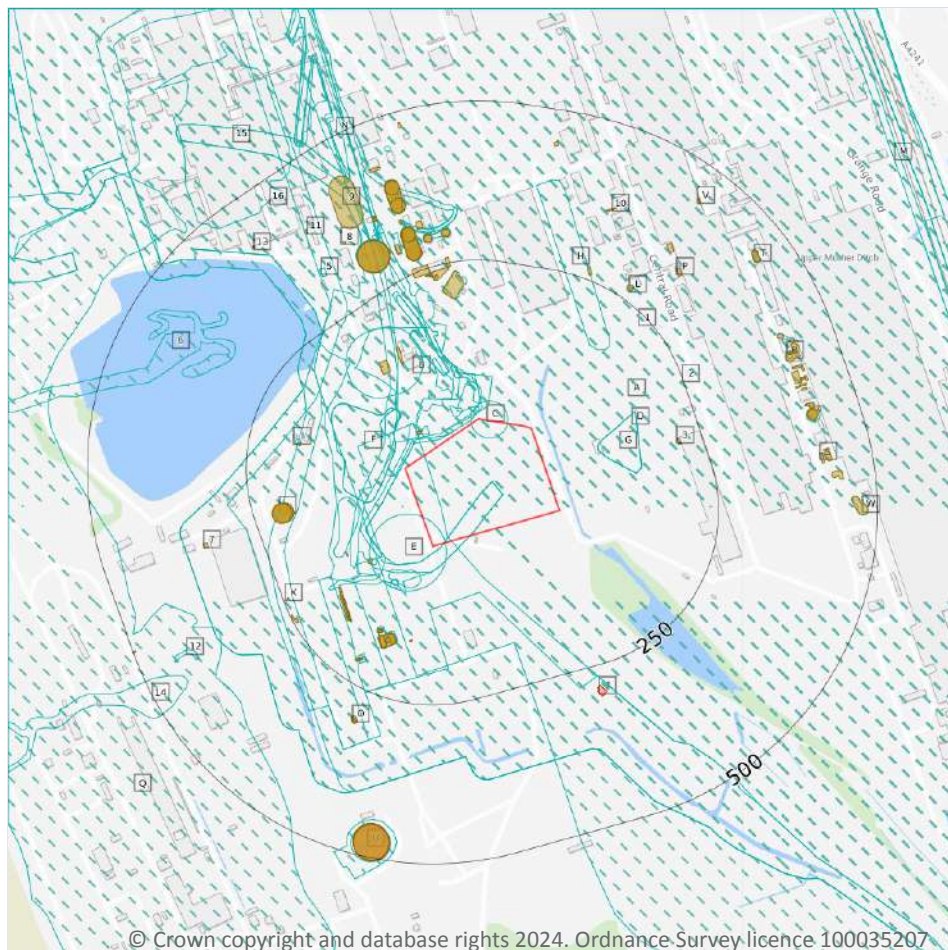
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## 1 Past land use



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features

### 1.1 Historical industrial land uses

Records within 500m

75

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 1:10,560 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 15 >](#)

| ID | Location | Land use        | Dates present | Group ID |
|----|----------|-----------------|---------------|----------|
| 1  | On site  | Railway Sidings | 1982          | 367833   |



| ID       | Location       | Land use                          | Dates present      | Group ID      |
|----------|----------------|-----------------------------------|--------------------|---------------|
| <b>2</b> | <b>On site</b> | <b>Railway Sidings</b>            | <b>1962 - 1969</b> | <b>387907</b> |
| <b>A</b> | <b>On site</b> | <b>Unspecified Works</b>          | <b>1993</b>        | <b>364744</b> |
| <b>A</b> | <b>On site</b> | <b>Unspecified Works</b>          | <b>1982</b>        | <b>390717</b> |
| <b>B</b> | <b>On site</b> | <b>Railway Sidings</b>            | <b>1900</b>        | <b>365943</b> |
| <b>C</b> | <b>On site</b> | <b>Unspecified Pit</b>            | <b>1914</b>        | <b>378102</b> |
| <b>C</b> | <b>On site</b> | <b>Colliery</b>                   | <b>1885 - 1900</b> | <b>381648</b> |
| <b>D</b> | <b>On site</b> | <b>Unspecified Works</b>          | <b>1965</b>        | <b>380536</b> |
| <b>D</b> | <b>On site</b> | <b>Railway Sidings</b>            | <b>1993</b>        | <b>382554</b> |
| <b>E</b> | <b>On site</b> | <b>Unspecified Pit</b>            | <b>1900</b>        | <b>387008</b> |
| C        | 5m N           | Unspecified Commercial/Industrial | 1921               | 331699        |
| C        | 6m W           | Mineral Railway Sidings           | 1885               | 355512        |
| B        | 9m W           | Mineral Railway Sidings           | 1914 - 1921        | 367206        |
| C        | 13m N          | Unspecified Pit                   | 1921               | 374616        |
| C        | 20m N          | Unspecified Pit                   | 1885 - 1900        | 387059        |
| C        | 22m N          | Unspecified Heap                  | 1885               | 340468        |
| C        | 23m NW         | Unspecified Tanks                 | 1885               | 336693        |
| C        | 25m N          | Unspecified Ground Workings       | 1949               | 346581        |
| C        | 25m NW         | Unspecified Tank                  | 1921               | 339148        |
| F        | 25m W          | Unspecified Heap                  | 1949               | 358500        |
| F        | 25m W          | Unspecified Heap                  | 1914 - 1921        | 362051        |
| E        | 49m SW         | Unspecified Pit                   | 1914 - 1921        | 365897        |
| C        | 56m N          | Refuse Heap                       | 1885               | 335377        |
| C        | 56m NW         | Unspecified Heap                  | 1885               | 355626        |
| C        | 70m NW         | Unspecified Shaft                 | 1885               | 333452        |
| E        | 77m SW         | Chimney                           | 1993               | 383585        |
| E        | 79m SW         | Chimney                           | 1965               | 388616        |
| C        | 85m N          | Railway Sidings                   | 1947               | 373825        |
| G        | 87m E          | Unspecified Pit                   | 1914               | 351388        |



| ID | Location | Land use                    | Dates present | Group ID |
|----|----------|-----------------------------|---------------|----------|
| G  | 87m E    | Unspecified Pit             | 1949          | 385571   |
| C  | 88m N    | Railway Sidings             | 1938          | 350379   |
| E  | 89m W    | Unspecified Heap            | 1914 - 1921   | 372825   |
| E  | 91m SW   | Unspecified Tank            | 1885          | 339149   |
| E  | 96m SW   | Unspecified Ground Workings | 1914          | 346073   |
| C  | 100m NW  | Unspecified Tanks           | 1993          | 336687   |
| E  | 148m SW  | Unspecified Tanks           | 1965 - 1982   | 353709   |
| E  | 148m SW  | Unspecified Tanks           | 1993          | 384077   |
| H  | 160m NE  | Unspecified Heap            | 1993          | 340469   |
| I  | 169m W   | Chimney                     | 1993          | 347946   |
| J  | 189m W   | Unspecified Tank            | 1965 - 1982   | 372139   |
| B  | 193m N   | Unspecified Tanks           | 1993          | 336685   |
| E  | 200m SW  | Unspecified Tank            | 1993          | 338836   |
| L  | 266m NE  | Unspecified Tank            | 1982          | 358760   |
| L  | 267m NE  | Unspecified Tank            | 1993          | 354367   |
| B  | 270m N   | Unspecified Tanks           | 1993          | 357429   |
| B  | 270m N   | Unspecified Tanks           | 1965 - 1982   | 387829   |
| M  | 278m NW  | Mineral Railway Sidings     | 1938          | 361922   |
| B  | 280m NW  | Unspecified Tank            | 1993          | 362640   |
| B  | 280m NW  | Unspecified Tank            | 1965 - 1982   | 380964   |
| N  | 283m NW  | Railway Sidings             | 1947          | 357689   |
| B  | 288m N   | Unspecified Tanks           | 1993          | 336683   |
| B  | 289m N   | Unspecified Tanks           | 1993          | 350807   |
| B  | 289m N   | Unspecified Tanks           | 1965 - 1982   | 377357   |
| B  | 289m N   | Unspecified Tanks           | 1993          | 336684   |
| B  | 300m N   | Unspecified Ground Workings | 1949          | 358055   |
| B  | 303m N   | Unspecified Ground Workings | 1914 - 1921   | 358798   |
| 5  | 321m NW  | Pumping Station             | 1993          | 349139   |



| ID | Location | Land use                          | Dates present | Group ID |
|----|----------|-----------------------------------|---------------|----------|
| 6  | 323m NW  | Unspecified Ground Workings       | 1914          | 346074   |
| B  | 324m NW  | Railway Building                  | 1921          | 348654   |
| B  | 329m N   | Railway Building                  | 1885          | 348656   |
| B  | 348m N   | Unspecified Tanks                 | 1965 - 1982   | 366676   |
| B  | 348m N   | Unspecified Tanks                 | 1993          | 383092   |
| Q  | 361m SW  | Refuse Heap                       | 1965          | 360129   |
| 12 | 407m SW  | Unspecified Pit                   | 1914          | 343375   |
| R  | 412m NE  | Unspecified Tanks                 | 1993          | 336686   |
| R  | 415m E   | Unspecified Tank                  | 1965 - 1982   | 369015   |
| N  | 425m NW  | Refuse Heap                       | 1921 - 1938   | 368112   |
| T  | 439m NE  | Unspecified Tanks                 | 1965 - 1982   | 355020   |
| T  | 439m NE  | Unspecified Tanks                 | 1993          | 356620   |
| 14 | 440m SW  | Unspecified Heap                  | 1914          | 340117   |
| U  | 440m S   | Unspecified Commercial/Industrial | 1993          | 331668   |
| B  | 444m N   | Chimney                           | 1993          | 347963   |
| U  | 448m S   | Gas Holder                        | 1993          | 342003   |
| 15 | 458m NW  | Refuse Heap                       | 1965          | 335225   |
| W  | 461m E   | Unspecified Tanks                 | 1993          | 336688   |

*This data is sourced from Ordnance Survey / Groundsure.*

## 1.2 Historical tanks

**Records within 500m**

**140**

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 15 >](#)



| ID | Location | Land use         | Dates present | Group ID |
|----|----------|------------------|---------------|----------|
| C  | 32m NW   | Unspecified Tank | 1878          | 39953    |
| C  | 32m NW   | Gasometer        | 1899 - 1918   | 43024    |
| E  | 97m SW   | Unspecified Tank | 1899 - 1918   | 44245    |
| C  | 123m NW  | Unspecified Tank | 1993          | 40206    |
| E  | 130m SW  | Unspecified Tank | 1993          | 40203    |
| C  | 138m NW  | Tanks            | 1993          | 40648    |
| C  | 138m NW  | Unspecified Tank | 1993          | 38284    |
| C  | 139m NW  | Tanks            | 1993          | 41162    |
| E  | 151m SW  | Unspecified Tank | 1974          | 40195    |
| E  | 151m SW  | Tanks            | 1964          | 41402    |
| E  | 152m SW  | Tanks            | 1962          | 43531    |
| E  | 152m SW  | Tanks            | 1974          | 45823    |
| E  | 152m SW  | Tanks            | 1993          | 42903    |
| E  | 153m SW  | Unspecified Tank | 1964          | 42624    |
| E  | 154m SW  | Unspecified Tank | 1962 - 1974   | 45693    |
| E  | 154m SW  | Unspecified Tank | 1993          | 43425    |
| E  | 156m SW  | Unspecified Tank | 1988          | 42341    |
| E  | 159m SW  | Unspecified Tank | 1964          | 39959    |
| E  | 159m SW  | Tanks            | 1962          | 43126    |
| E  | 160m SW  | Unspecified Tank | 1964          | 39960    |
| E  | 160m SW  | Unspecified Tank | 1964          | 39961    |
| E  | 160m SW  | Unspecified Tank | 1964          | 44013    |
| E  | 161m SW  | Tanks            | 1974          | 41725    |
| E  | 161m SW  | Unspecified Tank | 1993          | 44766    |
| E  | 161m SW  | Tanks            | 1974          | 45741    |
| E  | 162m SW  | Tanks            | 1962 - 1964   | 44365    |
| E  | 162m SW  | Unspecified Tank | 1964          | 43321    |
| E  | 162m SW  | Unspecified Tank | 1993          | 44664    |



| ID | Location | Land use         | Dates present | Group ID |
|----|----------|------------------|---------------|----------|
| E  | 163m SW  | Unspecified Tank | 1964          | 41980    |
| E  | 163m SW  | Tanks            | 1988          | 41161    |
| E  | 164m SW  | Unspecified Tank | 1993          | 43935    |
| E  | 165m SW  | Unspecified Tank | 1964          | 46074    |
| E  | 166m SW  | Unspecified Tank | 1993          | 43001    |
| E  | 167m SW  | Unspecified Tank | 1964          | 42069    |
| E  | 168m SW  | Unspecified Tank | 1993          | 45931    |
| I  | 169m W   | Unspecified Tank | 1993          | 40205    |
| E  | 170m SW  | Unspecified Tank | 1964          | 41416    |
| E  | 171m SW  | Unspecified Tank | 1993          | 45873    |
| E  | 172m SW  | Unspecified Tank | 1964          | 41841    |
| E  | 173m SW  | Unspecified Tank | 1993          | 42518    |
| J  | 188m W   | Unspecified Tank | 1964          | 44049    |
| J  | 188m W   | Unspecified Tank | 1974          | 42320    |
| J  | 188m W   | Unspecified Tank | 1962          | 44091    |
| J  | 191m W   | Unspecified Tank | 1988          | 43146    |
| B  | 192m N   | Tanks            | 1993          | 41208    |
| E  | 208m SW  | Unspecified Tank | 1974          | 45853    |
| E  | 208m SW  | Unspecified Tank | 1993          | 43168    |
| E  | 210m SW  | Unspecified Tank | 1988          | 42724    |
| 3  | 211m E   | Unspecified Tank | 1974 - 1993   | 42159    |
| B  | 228m N   | Unspecified Tank | 1952          | 42560    |
| B  | 231m N   | Unspecified Tank | 1952          | 45479    |
| B  | 235m N   | Tanks            | 1993          | 41209    |
| B  | 236m N   | Unspecified Tank | 1974          | 40284    |
| K  | 241m SW  | Unspecified Tank | 1964          | 39958    |
| K  | 241m SW  | Tanks            | 1993          | 41164    |
| B  | 242m N   | Tanks            | 1952          | 44708    |



| ID | Location | Land use         | Dates present | Group ID |
|----|----------|------------------|---------------|----------|
| B  | 244m N   | Tanks            | 1952          | 44964    |
| H  | 257m NE  | Unspecified Tank | 1974          | 40285    |
| L  | 265m NE  | Unspecified Tank | 1974 - 1993   | 43472    |
| B  | 268m N   | Unspecified Tank | 1964          | 42067    |
| B  | 268m N   | Unspecified Tank | 1952          | 42896    |
| B  | 268m N   | Unspecified Tank | 1952          | 45664    |
| B  | 268m N   | Tanks            | 1993          | 45389    |
| B  | 269m N   | Tanks            | 1962          | 43174    |
| B  | 269m N   | Tanks            | 1974          | 44172    |
| B  | 278m NW  | Unspecified Tank | 1964          | 44035    |
| B  | 279m NW  | Unspecified Tank | 1974          | 43032    |
| B  | 279m NW  | Unspecified Tank | 1962          | 45107    |
| B  | 287m N   | Unspecified Tank | 1952          | 40289    |
| B  | 289m N   | Unspecified Tank | 1962 - 1974   | 45494    |
| B  | 289m N   | Unspecified Tank | 1993          | 45954    |
| B  | 291m N   | Unspecified Tank | 1993          | 41931    |
| B  | 291m N   | Unspecified Tank | 1962 - 1974   | 45153    |
| O  | 294m SW  | Tanks            | 1964 - 1991   | 42520    |
| B  | 294m N   | Unspecified Tank | 1952          | 39950    |
| B  | 298m N   | Unspecified Tank | 1952          | 41356    |
| B  | 298m N   | Unspecified Tank | 1952          | 41357    |
| B  | 298m N   | Unspecified Tank | 1964          | 41850    |
| B  | 298m N   | Unspecified Tank | 1952          | 42785    |
| O  | 300m SW  | Unspecified Tank | 1995          | 45565    |
| B  | 305m N   | Unspecified Tank | 1974          | 41335    |
| B  | 306m N   | Unspecified Tank | 1995          | 41340    |
| B  | 306m N   | Unspecified Tank | 1995          | 41341    |
| B  | 313m N   | Tanks            | 1993          | 41207    |



| ID | Location | Land use         | Dates present | Group ID |
|----|----------|------------------|---------------|----------|
| B  | 329m N   | Tanks            | 1995          | 42752    |
| 7  | 333m W   | Tanks            | 1993          | 41163    |
| P  | 333m NE  | Tanks            | 1993          | 41205    |
| 8  | 346m NW  | Unspecified Tank | 1974          | 40288    |
| B  | 346m N   | Tanks            | 1974          | 44485    |
| B  | 346m N   | Tanks            | 1962          | 45687    |
| B  | 346m N   | Tanks            | 1995          | 44580    |
| B  | 347m N   | Unspecified Tank | 1964          | 42798    |
| B  | 347m N   | Unspecified Tank | 1974          | 43829    |
| B  | 347m N   | Unspecified Tank | 1962          | 45932    |
| B  | 350m N   | Tanks            | 1962 - 1995   | 45523    |
| P  | 351m NE  | Tanks            | 1993          | 41204    |
| B  | 355m N   | Tanks            | 1995          | 42855    |
| B  | 355m N   | Tanks            | 1974          | 45102    |
| B  | 356m N   | Tanks            | 1962 - 1964   | 45317    |
| 9  | 358m NW  | Tanks            | 1995          | 45058    |
| 10 | 361m NE  | Tanks            | 1993          | 41206    |
| B  | 377m N   | Unspecified Tank | 1964          | 39957    |
| 11 | 392m NW  | Unspecified Tank | 1995          | 46319    |
| R  | 398m E   | Unspecified Tank | 1964          | 40202    |
| R  | 414m NE  | Unspecified Tank | 1991 - 1995   | 41425    |
| R  | 414m E   | Tanks            | 1991          | 42916    |
| R  | 414m E   | Unspecified Tank | 1951          | 46345    |
| R  | 416m E   | Tanks            | 1991          | 41160    |
| R  | 417m E   | Unspecified Tank | 1951 - 1964   | 43993    |
| R  | 417m E   | Unspecified Tank | 1970          | 45801    |
| R  | 417m E   | Unspecified Tank | 1951 - 1969   | 45280    |
| S  | 419m E   | Unspecified Tank | 1991          | 40198    |



| ID | Location | Land use         | Dates present | Group ID |
|----|----------|------------------|---------------|----------|
| R  | 419m E   | Tanks            | 1970          | 44614    |
| R  | 419m E   | Tanks            | 1964 - 1970   | 44419    |
| R  | 419m E   | Tanks            | 1964 - 1969   | 41734    |
| 13 | 420m NW  | Cooling Tank     | 1974          | 41297    |
| R  | 420m E   | Tanks            | 1970          | 42374    |
| R  | 420m NE  | Tanks            | 1964 - 1969   | 45275    |
| R  | 422m E   | Tanks            | 1964 - 1970   | 42758    |
| B  | 422m N   | Tanks            | 1995          | 41770    |
| R  | 426m E   | Unspecified Tank | 1969 - 1970   | 45010    |
| R  | 426m E   | Tanks            | 1960 - 1970   | 46426    |
| R  | 426m E   | Tanks            | 1960 - 1964   | 41730    |
| S  | 426m E   | Unspecified Tank | 1951          | 41852    |
| R  | 429m NE  | Unspecified Tank | 1991 - 1995   | 42945    |
| S  | 431m E   | Tanks            | 1969 - 1970   | 41510    |
| R  | 432m E   | Tanks            | 1991          | 41683    |
| R  | 432m E   | Tanks            | 1991          | 46067    |
| R  | 437m E   | Unspecified Tank | 1991          | 40197    |
| T  | 438m NE  | Tanks            | 1960 - 1970   | 45095    |
| T  | 438m NE  | Tanks            | 1991 - 1995   | 42143    |
| V  | 441m NE  | Unspecified Tank | 1993          | 43039    |
| V  | 441m NE  | Unspecified Tank | 1952          | 42670    |
| M  | 442m N   | Unspecified Tank | 1993          | 40210    |
| U  | 446m S   | Gas Holder       | 1991 - 1995   | 46462    |
| U  | 448m S   | Gas Holder       | 1986          | 43169    |
| W  | 460m E   | Tanks            | 1991          | 41159    |
| 16 | 465m NW  | Unspecified Tank | 1995          | 45320    |
| B  | 474m N   | Tanks            | 1995          | 46297    |
| Q  | 495m SW  | Unspecified Tank | 1993          | 40204    |

*This data is sourced from Ordnance Survey / Groundsure.*



Contact us with any questions at:

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01273 257 755

Date: 8 July 2024

### 1.3 Historical energy features

Records within 500m

4

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 15 >](#)

| ID | Location | Land use               | Dates present | Group ID |
|----|----------|------------------------|---------------|----------|
| C  | 32m NW   | Gasometer              | 1899 - 1918   | 25068    |
| 4  | 281m SE  | Electricity Substation | 1986          | 20826    |
| U  | 446m S   | Gas Holder             | 1991 - 1995   | 25472    |
| U  | 448m S   | Gas Holder             | 1986          | 25390    |

*This data is sourced from Ordnance Survey / Groundsure.*

### 1.4 Historical petrol stations

Records within 500m

0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*

### 1.5 Historical garages

Records within 500m

0

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*



## 1.6 Historical military land

Records within 500m

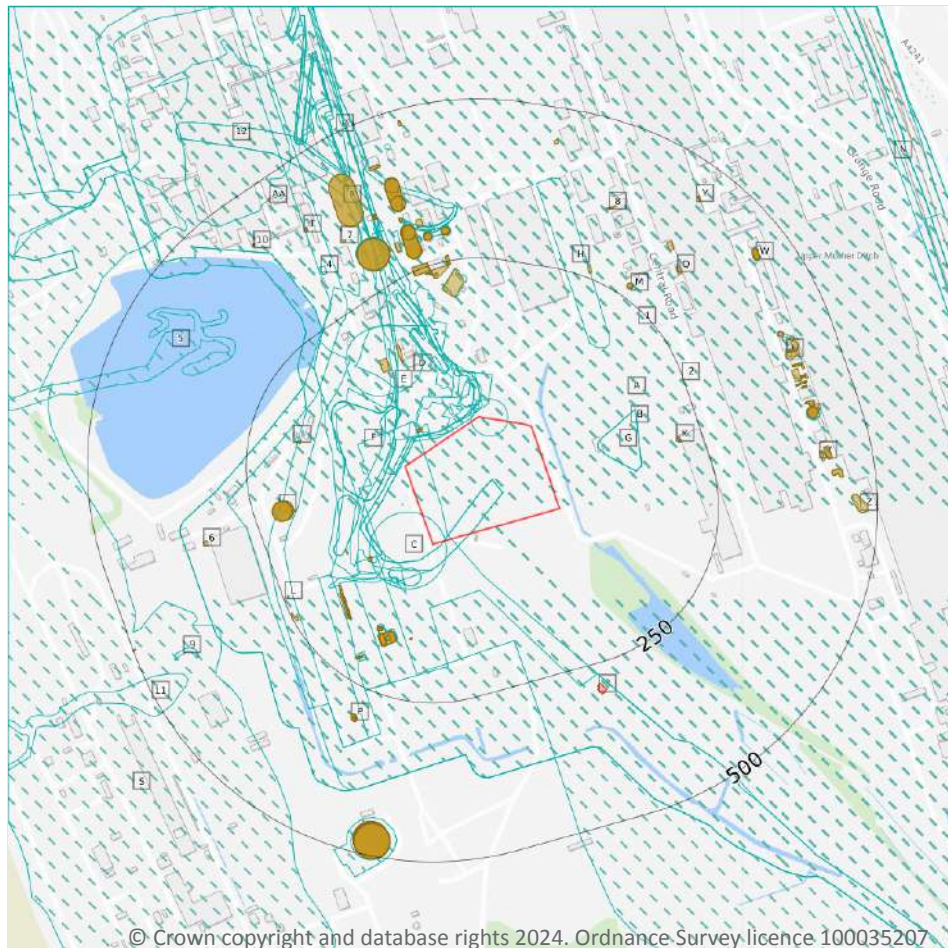
0

Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

*This data is sourced from Ordnance Survey / Groundsure / other sources.*



## 2 Past land use - un-grouped



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features

### 2.1 Historical industrial land uses

Records within 500m

93

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 26](#) >

| ID | Location | Land Use          | Date | Group ID |
|----|----------|-------------------|------|----------|
| 1  | On site  | Railway Sidings   | 1982 | 367833   |
| 2  | On site  | Railway Sidings   | 1965 | 387907   |
| A  | On site  | Unspecified Works | 1993 | 364744   |



| ID       | Location       | Land Use                          | Date        | Group ID      |
|----------|----------------|-----------------------------------|-------------|---------------|
| <b>A</b> | <b>On site</b> | <b>Unspecified Works</b>          | <b>1982</b> | <b>390717</b> |
| <b>B</b> | <b>On site</b> | <b>Unspecified Works</b>          | <b>1965</b> | <b>380536</b> |
| <b>B</b> | <b>On site</b> | <b>Railway Sidings</b>            | <b>1993</b> | <b>382554</b> |
| <b>C</b> | <b>On site</b> | <b>Unspecified Pit</b>            | <b>1900</b> | <b>387008</b> |
| <b>D</b> | <b>On site</b> | <b>Railway Sidings</b>            | <b>1900</b> | <b>365943</b> |
| <b>E</b> | <b>On site</b> | <b>Colliery</b>                   | <b>1900</b> | <b>381648</b> |
| <b>E</b> | <b>On site</b> | <b>Unspecified Pit</b>            | <b>1914</b> | <b>378102</b> |
| E        | 5m N           | Unspecified Commercial/Industrial | 1921        | 331699        |
| E        | 5m NW          | Colliery                          | 1885        | 381648        |
| E        | 6m W           | Mineral Railway Sidings           | 1885        | 355512        |
| D        | 9m W           | Mineral Railway Sidings           | 1914        | 367206        |
| D        | 9m W           | Mineral Railway Sidings           | 1921        | 367206        |
| E        | 13m N          | Unspecified Pit                   | 1921        | 374616        |
| E        | 20m N          | Unspecified Pit                   | 1885        | 387059        |
| E        | 22m N          | Unspecified Heap                  | 1885        | 340468        |
| E        | 22m N          | Unspecified Pit                   | 1900        | 387059        |
| E        | 23m NW         | Unspecified Tanks                 | 1885        | 336693        |
| E        | 25m N          | Unspecified Ground Workings       | 1949        | 346581        |
| E        | 25m NW         | Unspecified Tank                  | 1921        | 339148        |
| F        | 25m W          | Unspecified Heap                  | 1949        | 358500        |
| F        | 25m W          | Unspecified Heap                  | 1914        | 362051        |
| F        | 25m W          | Unspecified Heap                  | 1921        | 362051        |
| C        | 49m SW         | Unspecified Pit                   | 1914        | 365897        |
| C        | 49m SW         | Unspecified Pit                   | 1921        | 365897        |
| E        | 56m N          | Refuse Heap                       | 1885        | 335377        |
| E        | 56m NW         | Unspecified Heap                  | 1885        | 355626        |
| E        | 70m NW         | Unspecified Shaft                 | 1885        | 333452        |
| C        | 77m SW         | Chimney                           | 1993        | 383585        |



| ID | Location | Land Use                    | Date | Group ID |
|----|----------|-----------------------------|------|----------|
| C  | 79m SW   | Chimney                     | 1965 | 388616   |
| E  | 85m N    | Railway Sidings             | 1947 | 373825   |
| E  | 85m N    | Railway Sidings             | 1947 | 373825   |
| G  | 87m E    | Unspecified Pit             | 1949 | 385571   |
| G  | 87m E    | Unspecified Pit             | 1914 | 351388   |
| E  | 88m N    | Railway Sidings             | 1938 | 350379   |
| C  | 89m W    | Unspecified Heap            | 1914 | 372825   |
| C  | 89m W    | Unspecified Heap            | 1921 | 372825   |
| C  | 91m SW   | Unspecified Tank            | 1885 | 339149   |
| C  | 96m SW   | Unspecified Ground Workings | 1914 | 346073   |
| E  | 100m NW  | Unspecified Tanks           | 1993 | 336687   |
| C  | 148m SW  | Unspecified Tanks           | 1993 | 384077   |
| C  | 148m SW  | Unspecified Tanks           | 1982 | 353709   |
| C  | 148m SW  | Unspecified Tanks           | 1965 | 353709   |
| H  | 160m NE  | Unspecified Heap            | 1993 | 340469   |
| I  | 169m W   | Chimney                     | 1993 | 347946   |
| J  | 189m W   | Unspecified Tank            | 1982 | 372139   |
| J  | 189m W   | Unspecified Tank            | 1965 | 372139   |
| D  | 193m N   | Unspecified Tanks           | 1993 | 336685   |
| C  | 200m SW  | Unspecified Tank            | 1993 | 338836   |
| M  | 266m NE  | Unspecified Tank            | 1982 | 358760   |
| M  | 267m NE  | Unspecified Tank            | 1993 | 354367   |
| D  | 270m N   | Unspecified Tanks           | 1993 | 357429   |
| D  | 270m N   | Unspecified Tanks           | 1982 | 387829   |
| D  | 270m N   | Unspecified Tanks           | 1965 | 387829   |
| N  | 278m NW  | Mineral Railway Sidings     | 1938 | 361922   |
| D  | 280m NW  | Unspecified Tank            | 1993 | 362640   |
| D  | 280m NW  | Unspecified Tank            | 1982 | 380964   |



| ID | Location | Land Use                    | Date | Group ID |
|----|----------|-----------------------------|------|----------|
| D  | 280m NW  | Unspecified Tank            | 1965 | 380964   |
| O  | 283m NW  | Railway Sidings             | 1947 | 357689   |
| O  | 283m NW  | Railway Sidings             | 1947 | 357689   |
| D  | 288m N   | Unspecified Tanks           | 1993 | 336683   |
| D  | 289m N   | Unspecified Tanks           | 1993 | 350807   |
| D  | 289m N   | Unspecified Tanks           | 1982 | 377357   |
| D  | 289m N   | Unspecified Tanks           | 1965 | 377357   |
| D  | 289m N   | Unspecified Tanks           | 1993 | 336684   |
| D  | 300m N   | Unspecified Ground Workings | 1949 | 358055   |
| D  | 303m N   | Unspecified Ground Workings | 1914 | 358798   |
| D  | 303m N   | Unspecified Ground Workings | 1921 | 358798   |
| 4  | 321m NW  | Pumping Station             | 1993 | 349139   |
| 5  | 323m NW  | Unspecified Ground Workings | 1914 | 346074   |
| D  | 324m NW  | Railway Building            | 1921 | 348654   |
| D  | 329m N   | Railway Building            | 1885 | 348656   |
| D  | 348m N   | Unspecified Tanks           | 1993 | 383092   |
| D  | 348m N   | Unspecified Tanks           | 1982 | 366676   |
| D  | 348m N   | Unspecified Tanks           | 1965 | 366676   |
| S  | 361m SW  | Refuse Heap                 | 1965 | 360129   |
| 9  | 407m SW  | Unspecified Pit             | 1914 | 343375   |
| U  | 412m NE  | Unspecified Tanks           | 1993 | 336686   |
| U  | 415m E   | Unspecified Tank            | 1982 | 369015   |
| U  | 415m E   | Unspecified Tank            | 1965 | 369015   |
| O  | 425m NW  | Refuse Heap                 | 1921 | 368112   |
| W  | 439m NE  | Unspecified Tanks           | 1993 | 356620   |
| W  | 439m NE  | Unspecified Tanks           | 1982 | 355020   |
| W  | 439m NE  | Unspecified Tanks           | 1965 | 355020   |
| O  | 439m NW  | Refuse Heap                 | 1938 | 368112   |



| ID | Location | Land Use                          | Date | Group ID |
|----|----------|-----------------------------------|------|----------|
| 11 | 440m SW  | Unspecified Heap                  | 1914 | 340117   |
| X  | 440m S   | Unspecified Commercial/Industrial | 1993 | 331668   |
| D  | 444m N   | Chimney                           | 1993 | 347963   |
| X  | 448m S   | Gas Holder                        | 1993 | 342003   |
| 12 | 458m NW  | Refuse Heap                       | 1965 | 335225   |
| Z  | 461m E   | Unspecified Tanks                 | 1993 | 336688   |

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.2 Historical tanks

**Records within 500m**

**199**

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 26 >](#)

| ID | Location | Land Use         | Date | Group ID |
|----|----------|------------------|------|----------|
| E  | 32m NW   | Unspecified Tank | 1878 | 39953    |
| E  | 32m NW   | Gasometer        | 1899 | 43024    |
| E  | 32m NW   | Gasometer        | 1918 | 43024    |
| C  | 97m SW   | Unspecified Tank | 1918 | 44245    |
| C  | 98m SW   | Unspecified Tank | 1899 | 44245    |
| E  | 123m NW  | Unspecified Tank | 1993 | 40206    |
| C  | 130m SW  | Unspecified Tank | 1993 | 40203    |
| E  | 138m NW  | Tanks            | 1993 | 40648    |
| E  | 138m NW  | Unspecified Tank | 1993 | 38284    |
| E  | 139m NW  | Tanks            | 1993 | 41162    |
| C  | 151m SW  | Unspecified Tank | 1974 | 40195    |
| C  | 151m SW  | Tanks            | 1964 | 41402    |
| C  | 152m SW  | Tanks            | 1974 | 45823    |
| C  | 152m SW  | Tanks            | 1962 | 43531    |



| ID | Location | Land Use         | Date | Group ID |
|----|----------|------------------|------|----------|
| C  | 152m SW  | Tanks            | 1993 | 42903    |
| C  | 153m SW  | Unspecified Tank | 1964 | 42624    |
| C  | 154m SW  | Unspecified Tank | 1974 | 45693    |
| C  | 154m SW  | Unspecified Tank | 1962 | 45693    |
| C  | 154m SW  | Unspecified Tank | 1993 | 43425    |
| C  | 156m SW  | Unspecified Tank | 1988 | 42341    |
| C  | 159m SW  | Unspecified Tank | 1964 | 39959    |
| C  | 159m SW  | Tanks            | 1962 | 43126    |
| C  | 160m SW  | Unspecified Tank | 1964 | 39960    |
| C  | 160m SW  | Unspecified Tank | 1964 | 39961    |
| C  | 160m SW  | Unspecified Tank | 1964 | 44013    |
| C  | 161m SW  | Tanks            | 1974 | 41725    |
| C  | 161m SW  | Unspecified Tank | 1993 | 44766    |
| C  | 161m SW  | Tanks            | 1974 | 45741    |
| C  | 162m SW  | Tanks            | 1964 | 44365    |
| C  | 162m SW  | Unspecified Tank | 1964 | 43321    |
| C  | 162m SW  | Unspecified Tank | 1993 | 44664    |
| C  | 163m SW  | Tanks            | 1962 | 44365    |
| C  | 163m SW  | Unspecified Tank | 1964 | 41980    |
| C  | 163m SW  | Tanks            | 1988 | 41161    |
| C  | 164m SW  | Unspecified Tank | 1993 | 43935    |
| C  | 165m SW  | Unspecified Tank | 1964 | 46074    |
| C  | 166m SW  | Unspecified Tank | 1993 | 43001    |
| C  | 167m SW  | Unspecified Tank | 1964 | 42069    |
| C  | 168m SW  | Unspecified Tank | 1993 | 45931    |
| I  | 169m W   | Unspecified Tank | 1993 | 40205    |
| C  | 170m SW  | Unspecified Tank | 1964 | 41416    |
| C  | 171m SW  | Unspecified Tank | 1993 | 45873    |



| ID | Location | Land Use         | Date | Group ID |
|----|----------|------------------|------|----------|
| C  | 172m SW  | Unspecified Tank | 1964 | 41841    |
| C  | 173m SW  | Unspecified Tank | 1993 | 42518    |
| J  | 188m W   | Unspecified Tank | 1964 | 44049    |
| J  | 188m W   | Unspecified Tank | 1974 | 42320    |
| J  | 188m W   | Unspecified Tank | 1962 | 44091    |
| J  | 191m W   | Unspecified Tank | 1988 | 43146    |
| D  | 192m N   | Tanks            | 1993 | 41208    |
| C  | 208m SW  | Unspecified Tank | 1974 | 45853    |
| C  | 208m SW  | Unspecified Tank | 1993 | 43168    |
| C  | 210m SW  | Unspecified Tank | 1988 | 42724    |
| K  | 211m E   | Unspecified Tank | 1993 | 42159    |
| K  | 212m E   | Unspecified Tank | 1974 | 42159    |
| D  | 228m N   | Unspecified Tank | 1952 | 42560    |
| D  | 231m N   | Unspecified Tank | 1952 | 45479    |
| D  | 235m N   | Tanks            | 1993 | 41209    |
| D  | 236m N   | Unspecified Tank | 1974 | 40284    |
| L  | 241m SW  | Unspecified Tank | 1964 | 39958    |
| L  | 241m SW  | Tanks            | 1993 | 41164    |
| D  | 242m N   | Tanks            | 1952 | 44708    |
| D  | 242m N   | Tanks            | 1952 | 44708    |
| D  | 244m N   | Tanks            | 1952 | 44964    |
| D  | 244m N   | Tanks            | 1952 | 44964    |
| H  | 257m NE  | Unspecified Tank | 1974 | 40285    |
| M  | 265m NE  | Unspecified Tank | 1993 | 43472    |
| M  | 266m NE  | Unspecified Tank | 1974 | 43472    |
| D  | 268m N   | Unspecified Tank | 1952 | 42896    |
| D  | 268m N   | Unspecified Tank | 1964 | 42067    |
| D  | 268m N   | Unspecified Tank | 1952 | 45664    |



| ID | Location | Land Use         | Date | Group ID |
|----|----------|------------------|------|----------|
| D  | 268m N   | Tanks            | 1993 | 45389    |
| D  | 269m N   | Tanks            | 1974 | 44172    |
| D  | 269m N   | Tanks            | 1962 | 43174    |
| D  | 278m NW  | Unspecified Tank | 1964 | 44035    |
| D  | 279m NW  | Unspecified Tank | 1974 | 43032    |
| D  | 279m NW  | Unspecified Tank | 1962 | 45107    |
| D  | 287m N   | Unspecified Tank | 1952 | 40289    |
| D  | 289m N   | Unspecified Tank | 1964 | 45494    |
| D  | 289m N   | Unspecified Tank | 1974 | 45494    |
| D  | 289m N   | Unspecified Tank | 1962 | 45494    |
| D  | 289m N   | Unspecified Tank | 1993 | 45954    |
| D  | 291m N   | Unspecified Tank | 1993 | 41931    |
| D  | 291m N   | Unspecified Tank | 1964 | 45153    |
| D  | 292m N   | Unspecified Tank | 1974 | 45153    |
| D  | 292m N   | Unspecified Tank | 1962 | 45153    |
| P  | 294m SW  | Tanks            | 1991 | 42520    |
| P  | 294m SW  | Tanks            | 1991 | 42520    |
| D  | 294m N   | Unspecified Tank | 1952 | 39950    |
| P  | 295m SW  | Tanks            | 1986 | 42520    |
| P  | 295m SW  | Tanks            | 1964 | 42520    |
| D  | 298m N   | Unspecified Tank | 1952 | 41356    |
| D  | 298m N   | Unspecified Tank | 1952 | 42785    |
| D  | 298m N   | Unspecified Tank | 1964 | 41850    |
| P  | 300m SW  | Unspecified Tank | 1995 | 45565    |
| P  | 300m SW  | Unspecified Tank | 1995 | 45565    |
| D  | 305m N   | Unspecified Tank | 1974 | 41335    |
| D  | 305m N   | Unspecified Tank | 1952 | 41357    |
| D  | 306m N   | Unspecified Tank | 1995 | 41341    |



| ID | Location | Land Use         | Date | Group ID |
|----|----------|------------------|------|----------|
| D  | 306m N   | Unspecified Tank | 1995 | 41340    |
| D  | 313m N   | Tanks            | 1993 | 41207    |
| D  | 329m N   | Tanks            | 1995 | 42752    |
| D  | 329m N   | Tanks            | 1995 | 42752    |
| 6  | 333m W   | Tanks            | 1993 | 41163    |
| Q  | 333m NE  | Tanks            | 1993 | 41205    |
| 7  | 346m NW  | Unspecified Tank | 1974 | 40288    |
| D  | 346m N   | Tanks            | 1974 | 44485    |
| D  | 346m N   | Tanks            | 1962 | 45687    |
| D  | 346m N   | Tanks            | 1995 | 44580    |
| D  | 346m N   | Tanks            | 1995 | 44580    |
| D  | 347m N   | Unspecified Tank | 1964 | 42798    |
| D  | 347m N   | Unspecified Tank | 1974 | 43829    |
| D  | 347m N   | Unspecified Tank | 1962 | 45932    |
| D  | 350m N   | Tanks            | 1974 | 45523    |
| D  | 350m N   | Tanks            | 1995 | 45523    |
| D  | 350m N   | Tanks            | 1995 | 45523    |
| D  | 350m N   | Tanks            | 1962 | 45523    |
| D  | 350m N   | Tanks            | 1964 | 45523    |
| Q  | 351m NE  | Tanks            | 1993 | 41204    |
| D  | 355m N   | Tanks            | 1995 | 42855    |
| D  | 355m N   | Tanks            | 1995 | 42855    |
| D  | 355m N   | Tanks            | 1974 | 45102    |
| D  | 356m N   | Tanks            | 1962 | 45317    |
| D  | 356m N   | Tanks            | 1964 | 45317    |
| R  | 358m NW  | Tanks            | 1995 | 45058    |
| R  | 358m NW  | Tanks            | 1995 | 45058    |
| 8  | 361m NE  | Tanks            | 1993 | 41206    |



| ID | Location | Land Use         | Date | Group ID |
|----|----------|------------------|------|----------|
| D  | 377m N   | Unspecified Tank | 1964 | 39957    |
| T  | 392m NW  | Unspecified Tank | 1995 | 46319    |
| T  | 392m NW  | Unspecified Tank | 1995 | 46319    |
| U  | 398m E   | Unspecified Tank | 1964 | 40202    |
| U  | 414m NE  | Unspecified Tank | 1995 | 41425    |
| U  | 414m NE  | Unspecified Tank | 1991 | 41425    |
| U  | 414m E   | Tanks            | 1991 | 42916    |
| U  | 414m E   | Unspecified Tank | 1951 | 46345    |
| U  | 415m E   | Unspecified Tank | 1951 | 46345    |
| U  | 416m E   | Tanks            | 1991 | 41160    |
| U  | 417m E   | Unspecified Tank | 1964 | 43993    |
| U  | 417m E   | Unspecified Tank | 1951 | 43993    |
| U  | 417m E   | Unspecified Tank | 1970 | 45801    |
| U  | 417m E   | Unspecified Tank | 1960 | 45280    |
| U  | 417m E   | Unspecified Tank | 1964 | 45280    |
| U  | 417m E   | Unspecified Tank | 1969 | 45280    |
| U  | 417m E   | Unspecified Tank | 1951 | 45280    |
| V  | 419m E   | Unspecified Tank | 1991 | 40198    |
| U  | 419m E   | Tanks            | 1970 | 44614    |
| U  | 419m E   | Tanks            | 1970 | 44419    |
| U  | 419m E   | Tanks            | 1964 | 41734    |
| U  | 419m E   | Tanks            | 1969 | 41734    |
| U  | 419m E   | Tanks            | 1964 | 44419    |
| U  | 419m E   | Tanks            | 1969 | 44419    |
| 10 | 420m NW  | Cooling Tank     | 1974 | 41297    |
| U  | 420m E   | Tanks            | 1970 | 42374    |
| U  | 420m NE  | Tanks            | 1964 | 45275    |
| U  | 420m NE  | Tanks            | 1969 | 45275    |



| ID | Location | Land Use         | Date | Group ID |
|----|----------|------------------|------|----------|
| U  | 422m E   | Tanks            | 1970 | 42758    |
| D  | 422m N   | Tanks            | 1995 | 41770    |
| D  | 422m N   | Tanks            | 1995 | 41770    |
| U  | 422m E   | Tanks            | 1964 | 42758    |
| U  | 422m E   | Tanks            | 1969 | 42758    |
| U  | 426m E   | Unspecified Tank | 1970 | 45010    |
| U  | 426m E   | Tanks            | 1964 | 46426    |
| U  | 426m E   | Tanks            | 1970 | 46426    |
| U  | 426m E   | Tanks            | 1960 | 41730    |
| U  | 426m E   | Tanks            | 1964 | 41730    |
| V  | 426m E   | Unspecified Tank | 1951 | 41852    |
| U  | 426m E   | Tanks            | 1964 | 41730    |
| U  | 426m E   | Tanks            | 1960 | 46426    |
| U  | 426m E   | Tanks            | 1964 | 46426    |
| U  | 426m E   | Tanks            | 1969 | 46426    |
| U  | 426m E   | Unspecified Tank | 1969 | 45010    |
| V  | 427m E   | Unspecified Tank | 1951 | 41852    |
| U  | 429m NE  | Unspecified Tank | 1995 | 42945    |
| U  | 430m NE  | Unspecified Tank | 1991 | 42945    |
| V  | 431m E   | Tanks            | 1970 | 41510    |
| V  | 432m E   | Tanks            | 1969 | 41510    |
| U  | 432m E   | Tanks            | 1991 | 41683    |
| U  | 432m E   | Tanks            | 1991 | 46067    |
| U  | 437m E   | Unspecified Tank | 1991 | 40197    |
| W  | 438m NE  | Tanks            | 1960 | 45095    |
| W  | 438m NE  | Tanks            | 1995 | 42143    |
| W  | 438m NE  | Tanks            | 1964 | 45095    |
| W  | 438m NE  | Tanks            | 1970 | 45095    |



| ID | Location | Land Use         | Date | Group ID |
|----|----------|------------------|------|----------|
| W  | 439m NE  | Tanks            | 1991 | 42143    |
| W  | 439m NE  | Tanks            | 1969 | 45095    |
| Y  | 441m NE  | Unspecified Tank | 1993 | 43039    |
| Y  | 441m NE  | Unspecified Tank | 1952 | 42670    |
| Y  | 442m NE  | Unspecified Tank | 1952 | 42670    |
| N  | 442m N   | Unspecified Tank | 1993 | 40210    |
| X  | 446m S   | Gas Holder       | 1995 | 46462    |
| X  | 446m S   | Gas Holder       | 1995 | 46462    |
| X  | 448m S   | Gas Holder       | 1986 | 43169    |
| X  | 449m S   | Gas Holder       | 1991 | 46462    |
| X  | 449m S   | Gas Holder       | 1991 | 46462    |
| Z  | 460m E   | Tanks            | 1991 | 41159    |
| AA | 465m NW  | Unspecified Tank | 1995 | 45320    |
| AA | 465m NW  | Unspecified Tank | 1995 | 45320    |
| D  | 474m N   | Tanks            | 1995 | 46297    |
| D  | 474m N   | Tanks            | 1995 | 46297    |
| S  | 495m SW  | Unspecified Tank | 1993 | 40204    |

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.3 Historical energy features

### Records within 500m

8

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on [page 26 >](#)

| ID | Location | Land Use               | Date | Group ID |
|----|----------|------------------------|------|----------|
| E  | 32m NW   | Gasometer              | 1899 | 25068    |
| E  | 32m NW   | Gasometer              | 1918 | 25068    |
| 3  | 281m SE  | Electricity Substation | 1986 | 20826    |



| ID | Location | Land Use   | Date | Group ID |
|----|----------|------------|------|----------|
| X  | 446m S   | Gas Holder | 1995 | 25472    |
| X  | 446m S   | Gas Holder | 1995 | 25472    |
| X  | 448m S   | Gas Holder | 1986 | 25390    |
| X  | 449m S   | Gas Holder | 1991 | 25472    |
| X  | 449m S   | Gas Holder | 1991 | 25472    |

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.4 Historical petrol stations

**Records within 500m**

**0**

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.5 Historical garages

**Records within 500m**

**0**

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*



## 3 Waste and landfill

### 3.1 Active or recent landfill

Records within 500m

0

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

### 3.2 Historical landfill (BGS records)

Records within 500m

0

Landfill sites identified on a survey carried out on behalf of the DoE in 1973. These sites may have been closed or operational at this time.

*This data is sourced from the British Geological Survey.*

### 3.3 Historical landfill (LA/mapping records)

Records within 500m

0

Landfill sites identified from Local Authority records and high detail historical mapping.

*This data is sourced from the Ordnance Survey/Groundsure and Local Authority records.*

### 3.4 Historical landfill (EA/NRW records)

Records within 500m

0

Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

### 3.5 Historical waste sites

Records within 500m

0

Waste site records derived from Local Authority planning records and high detail historical mapping.

*This data is sourced from Ordnance Survey/Groundsure and Local Authority records.*



### 3.6 Licensed waste sites

Records within 500m

0

Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

### 3.7 Waste exemptions

Records within 500m

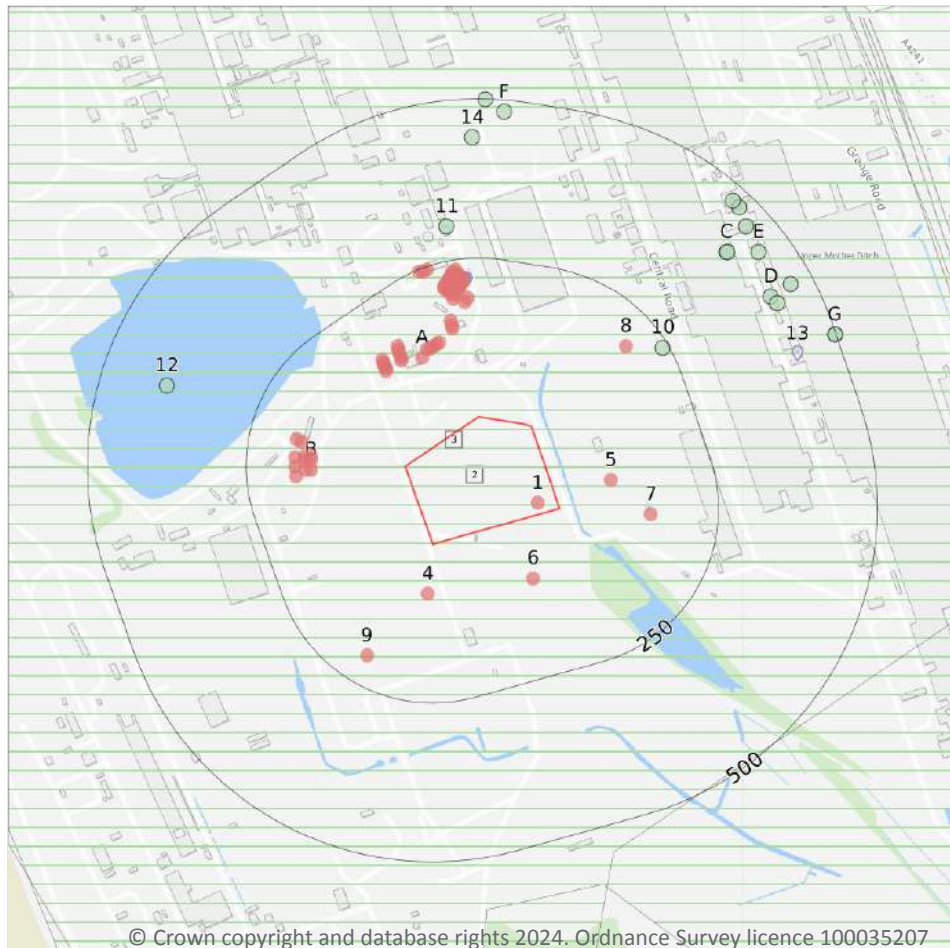
0

Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- Control of Major Accident Hazards
- Historical licensed industrial activities
- Part A(1) industrial activities
- Radioactive Substance Authorisations
- Pollution Incidents (EA/NRW)

### 4.1 Recent industrial land uses

Records within 250m

76

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 41](#) >

| ID | Location | Company          | Address              | Activity                       | Category            |
|----|----------|------------------|----------------------|--------------------------------|---------------------|
| 1  | On site  | Works            | West Glamorgan, SA13 | Unspecified Works Or Factories | Industrial Features |
| 4  | 79m SW   | Travelling Crane | West Glamorgan, SA13 | Travelling Cranes and Gantries | Industrial Features |
| 5  | 91m E    | Travelling Crane | West Glamorgan, SA13 | Travelling Cranes and Gantries | Industrial Features |



| ID | Location | Company | Address              | Activity            | Category                      |
|----|----------|---------|----------------------|---------------------|-------------------------------|
| 6  | 94m SE   | Pylon   | West Glamorgan, SA13 | Electrical Features | Infrastructure and Facilities |
| A  | 127m NW  | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 132m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 132m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 132m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 132m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 133m NW  | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 141m NW  | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 141m NW  | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| 7  | 144m E   | Pylon   | West Glamorgan, SA13 | Electrical Features | Infrastructure and Facilities |
| A  | 145m NW  | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 145m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 146m NW  | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| B  | 149m W   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| B  | 149m W   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 149m NW  | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| B  | 149m W   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 150m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 152m NW  | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 152m NW  | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 155m NW  | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 157m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| B  | 158m W   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 158m NW  | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| B  | 159m W   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 159m NW  | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| B  | 159m W   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |



| ID | Location | Company | Address              | Activity            | Category                      |
|----|----------|---------|----------------------|---------------------|-------------------------------|
| A  | 164m NW  | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| B  | 167m W   | Chimney | West Glamorgan, SA13 | Chimneys            | Industrial Features           |
| B  | 172m W   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| B  | 173m W   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| B  | 174m W   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| B  | 175m W   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 182m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 187m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 189m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 195m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| 8  | 195m NE  | Pylon   | West Glamorgan, SA13 | Electrical Features | Infrastructure and Facilities |
| A  | 199m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 199m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 201m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 204m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| 9  | 204m SW  | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 204m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 205m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 206m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 208m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 208m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 209m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 210m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 211m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 212m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 212m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 213m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |
| A  | 215m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic)     | Industrial Features           |



| ID | Location | Company | Address              | Activity        | Category            |
|----|----------|---------|----------------------|-----------------|---------------------|
| A  | 215m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic) | Industrial Features |
| A  | 216m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic) | Industrial Features |
| A  | 217m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic) | Industrial Features |
| A  | 217m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic) | Industrial Features |
| A  | 219m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic) | Industrial Features |
| A  | 220m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic) | Industrial Features |
| A  | 221m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic) | Industrial Features |
| A  | 221m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic) | Industrial Features |
| A  | 223m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic) | Industrial Features |
| A  | 224m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic) | Industrial Features |
| A  | 226m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic) | Industrial Features |
| A  | 227m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic) | Industrial Features |
| A  | 229m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic) | Industrial Features |
| A  | 232m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic) | Industrial Features |
| A  | 234m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic) | Industrial Features |
| A  | 245m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic) | Industrial Features |
| A  | 246m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic) | Industrial Features |
| A  | 246m N   | Tank    | West Glamorgan, SA13 | Tanks (Generic) | Industrial Features |

*This data is sourced from Ordnance Survey.*

## 4.2 Current or recent petrol stations

|                            |          |
|----------------------------|----------|
| <b>Records within 500m</b> | <b>0</b> |
|----------------------------|----------|

Open, closed, under development and obsolete petrol stations.

*This data is sourced from Experian.*



### 4.3 Electricity cables

|                     |   |
|---------------------|---|
| Records within 500m | 0 |
|---------------------|---|

High voltage underground electricity transmission cables.

*This data is sourced from National Grid.*

### 4.4 Gas pipelines

|                     |   |
|---------------------|---|
| Records within 500m | 0 |
|---------------------|---|

High pressure underground gas transmission pipelines.

*This data is sourced from National Grid.*

### 4.5 Sites determined as Contaminated Land

|                     |   |
|---------------------|---|
| Records within 500m | 0 |
|---------------------|---|

Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

*This data is sourced from Local Authority records.*

### 4.6 Control of Major Accident Hazards (COMAH)

|                     |   |
|---------------------|---|
| Records within 500m | 2 |
|---------------------|---|

Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.

Features are displayed on the Current industrial land use map on [page 41](#) >

| ID | Location | Company                      | Address                                                                                                      | Operational status    | Tier                      |
|----|----------|------------------------------|--------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------|
| 2  | On site  | Tata Steel UK Limited        | Tata Steel UK Limited, Port Talbot Steelworks, Port Talbot Works, Port Talbot, Neath & Port Talbot, SA13 1RE | Current COMAH Site    | COMAH Upper Tier Operator |
| 3  | On site  | British Steel Strip Products | British Steel Strip Products, Port Talot Works, Port Talbot, SA13 2NG                                        | Historical NIHHS Site | -                         |

*This data is sourced from the Health and Safety Executive.*

## 4.7 Regulated explosive sites

### Records within 500m

0

Sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER). The last update to this data was in April 2011.

*This data is sourced from the Health and Safety Executive.*

## 4.8 Hazardous substance storage/usage

### Records within 500m

0

Consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015.

*This data is sourced from Local Authority records.*

## 4.9 Historical licensed industrial activities (IPC)

### Records within 500m

40

Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

Features are displayed on the Current industrial land use map on [page 41](#) >

| ID | Location | Details                                                                                                                                                              |                                                                                                                                 |
|----|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Combustion Processes<br>Permit Number: AA2780                   | Original Permit Number: IPCAIRAPP<br>Date Approved: 30-11-1991<br>Effective Date: 30-11-1991<br>Status: Superseded By Variation |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Carbonisation And Associated Processes<br>Permit Number: AF8661 | Original Permit Number: IPCAIRAPP<br>Date Approved: 14-6-1993<br>Effective Date: 14-6-1993<br>Status: Superseded By Variation   |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Combustion Processes<br>Permit Number: AF9609                   | Original Permit Number: IPCMINVAR<br>Date Approved: 15-1-1993<br>Effective Date: 15-1-1993<br>Status: Superseded By Variation   |



| ID | Location | Details                                                                                                                                                              |                                                                                                                               |
|----|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| A  | 220m N   | Operator: British Steel Strip Products<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Iron And Steel<br>Permit Number: AG3550         | Original Permit Number: IPCAIRAPP<br>Date Approved: 19-11-1992<br>Effective Date: 19-11-1992<br>Status: Revoked               |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Combustion Processes<br>Permit Number: AL0729                   | Original Permit Number: IPCMINVAR<br>Date Approved: 15-1-1994<br>Effective Date: 15-1-1994<br>Status: Superseded By Variation |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Carbonisation And Associated Processes<br>Permit Number: AL2411 | Original Permit Number: IPCMINVAR<br>Date Approved: 1-1-1994<br>Effective Date: 1-1-1994<br>Status: Superseded By Variation   |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Iron And Steel<br>Permit Number: AO7762                         | Original Permit Number: IPCAPP<br>Date Approved: 3-1-1995<br>Effective Date: 7-1-1995<br>Status: Revoked                      |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Iron And Steel<br>Permit Number: AR0357                         | Original Permit Number: IPCAIRAPP<br>Date Approved: 1-8-1995<br>Effective Date: 28-8-1995<br>Status: Superseded By Variation  |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Carbonisation And Associated Processes<br>Permit Number: AR4409 | Original Permit Number: IPCMINVAR<br>Date Approved: 29-9-1995<br>Effective Date: 1-11-1995<br>Status: Superseded By Variation |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Iron And Steel<br>Permit Number: AT1326                         | Original Permit Number: IPCMINVAR<br>Date Approved: 5-2-1996<br>Effective Date: 14-2-1996<br>Status: Superseded By Variation  |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Combustion Processes<br>Permit Number: AU4568                   | Original Permit Number: IPCMINVAR<br>Date Approved: 5-2-1996<br>Effective Date: 14-2-1996<br>Status: Superseded By Variation  |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Iron And Steel<br>Permit Number: AV3419                         | Original Permit Number: IPCMINVAR<br>Date Approved: 11-4-1996<br>Effective Date: 1-5-1996<br>Status: Superseded By Variation  |



| ID | Location | Details                                                                                                                                                              |                                                                                                                                 |
|----|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Iron And Steel<br>Permit Number: AW3473                         | Original Permit Number: IPCMINVAR<br>Date Approved: 19-11-1996<br>Effective Date: 26-11-1996<br>Status: Superseded By Variation |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Carbonisation And Associated Processes<br>Permit Number: AW4895 | Original Permit Number: IPCMINVAR<br>Date Approved: 19-11-1996<br>Effective Date: 26-11-1996<br>Status: Superseded By Variation |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Iron And Steel<br>Permit Number: AZ3445                         | Original Permit Number: IPCMAJVAR<br>Date Approved: 23-3-1998<br>Effective Date: 1-4-1998<br>Status: Superseded By Variation    |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Iron And Steel<br>Permit Number: BA3110                         | Original Permit Number: IPCMINVAR<br>Date Approved: 24-12-1997<br>Effective Date: 31-12-1997<br>Status: Superseded By Variation |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Iron And Steel<br>Permit Number: BA6011                         | Original Permit Number: IPCMINVAR<br>Date Approved: 9-2-1998<br>Effective Date: 15-2-1998<br>Status: Superseded By Variation    |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Iron And Steel<br>Permit Number: BB3492                         | Original Permit Number: IPCMINVAR<br>Date Approved: 1-6-1998<br>Effective Date: 2-6-1998<br>Status: Superseded By Variation     |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Combustion Processes<br>Permit Number: BB9954                   | Original Permit Number: IPCMINVAR<br>Date Approved: 11-11-1998<br>Effective Date: 13-11-1998<br>Status: Superseded By Variation |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Carbonisation And Associated Processes<br>Permit Number: BD6816 | Original Permit Number: IPCMINVAR<br>Date Approved: 24-11-1998<br>Effective Date: 30-11-1998<br>Status: Superseded By Variation |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Iron And Steel<br>Permit Number: BE4835                         | Original Permit Number: IPCMINVAR<br>Date Approved: 24-11-1998<br>Effective Date: 30-11-1998<br>Status: Superseded By Variation |



| ID | Location | Details                                                                                                                                                              |                                                                                                                                 |
|----|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Combustion Processes<br>Permit Number: BE6153                   | Original Permit Number: IPCMINVAR<br>Date Approved: 24-11-1998<br>Effective Date: 30-11-1998<br>Status: Superseded By Variation |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Carbonisation And Associated Processes<br>Permit Number: BF1475 | Original Permit Number: IPCMINVAR<br>Date Approved: 28-1-1999<br>Effective Date: 31-1-1999<br>Status: Superseded By Variation   |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Combustion Processes<br>Permit Number: BF1556                   | Original Permit Number: IPCMINVAR<br>Date Approved: 28-1-1999<br>Effective Date: 31-1-1999<br>Status: Superseded By Variation   |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Iron And Steel<br>Permit Number: BF1572                         | Original Permit Number: IPCMINVAR<br>Date Approved: 28-1-1999<br>Effective Date: 31-1-1999<br>Status: Superseded By Variation   |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Iron And Steel<br>Permit Number: BF5292                         | Original Permit Number: IPCMINVAR<br>Date Approved: 31-3-1999<br>Effective Date: 1-4-1999<br>Status: Superseded By Variation    |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Carbonisation And Associated Processes<br>Permit Number: BF8038 | Original Permit Number: IPCMINVAR<br>Date Approved: 31-3-1999<br>Effective Date: 7-4-1999<br>Status: Superseded By Variation    |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Combustion Processes<br>Permit Number: BF8054                   | Original Permit Number: IPCMINVAR<br>Date Approved: 31-3-1999<br>Effective Date: 7-4-1999<br>Status: Revoked                    |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Carbonisation And Associated Processes<br>Permit Number: BG0482 | Original Permit Number: IPCMINVAR<br>Date Approved: 2-9-1999<br>Effective Date: 10-9-1999<br>Status: Superseded By Variation    |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Iron And Steel<br>Permit Number: BG0865                         | Original Permit Number: IPCMINVAR<br>Date Approved: 8-9-1999<br>Effective Date: 12-9-1999<br>Status: Superseded By Variation    |



| ID | Location | Details                                                                                                                                                              |                                                                                                                                 |
|----|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Iron And Steel<br>Permit Number: BH1212                         | Original Permit Number: IPCMINVAR<br>Date Approved: 7-12-2000<br>Effective Date: 5-1-2001<br>Status: Superseded By Variation    |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Carbonisation And Associated Processes<br>Permit Number: BH5048 | Original Permit Number: IPCMINVAR<br>Date Approved: 31-1-2001<br>Effective Date: 7-2-2001<br>Status: Revoked                    |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Carbonisation And Associated Processes<br>Permit Number: BH7695 | Original Permit Number: IPCMINVAR<br>Date Approved: 27-1-2000<br>Effective Date: 31-1-2000<br>Status: Superseded By Variation   |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Iron And Steel<br>Permit Number: BH7725                         | Original Permit Number: IPCMINVAR<br>Date Approved: 27-1-2000<br>Effective Date: 31-1-2000<br>Status: Superseded By Variation   |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Iron And Steel<br>Permit Number: BJ1729                         | Original Permit Number: IPCMINVAR<br>Date Approved: 30-8-2000<br>Effective Date: 31-8-2000<br>Status: Superseded By Variation   |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Iron And Steel<br>Permit Number: BK8516                         | Original Permit Number: IPCMINVAR<br>Date Approved: 29-3-2001<br>Effective Date: 30-3-2001<br>Status: Superseded By Variation   |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Iron And Steel<br>Permit Number: BL2530                         | Original Permit Number: IPCMINVAR<br>Date Approved: 4-7-2001<br>Effective Date: 30-7-2001<br>Status: Superseded By Variation    |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Iron And Steel<br>Permit Number: BM0885                         | Original Permit Number: IPCMINVAR<br>Date Approved: 8-11-2001<br>Effective Date: 12-11-2001<br>Status: Superseded By Variation  |
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG<br>Process: Iron And Steel<br>Permit Number: BS5096                         | Original Permit Number: IPCMAJVAR<br>Date Approved: 11-10-2002<br>Effective Date: 14-10-2002<br>Status: Superseded By Variation |



| ID | Location | Details                                                                                                                                         |                                                                                                                          |
|----|----------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| A  | 220m N   | Operator: Corus UK Ltd<br>Address: Strip Products, Port Talbot, West Glamorgan,<br>SA13 2NG<br>Process: Iron And Steel<br>Permit Number: BV1607 | Original Permit Number: IPCMINVAR<br>Date Approved: 2-10-2003<br>Effective Date: 7-10-2003<br>Status: Revoked - Now Ippc |

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 4.10 Licensed industrial activities (Part A(1))

|                            |            |
|----------------------------|------------|
| <b>Records within 500m</b> | <b>156</b> |
|----------------------------|------------|

Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on [page 41](#) >

| ID | Location | Details                                                                                                                                                                                                                                                                     |                                                                                                                                            |
|----|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| A  | 220m N   | Operator: Tata Steel UK Limited<br>Installation Name: Port Talbot Steel Works<br>Process: ROASTING OR SINTERING METAL ORE,<br>INCLUDING SULPHIDE ORE, OR ANY MIXTURE OF IRON<br>ORE WITH OR WITHOUT OTHER MATERIALS<br>Permit Number: BL7108IM<br>Original Permit Number: - | EPR Reference: -<br>Issue Date: 26/05/2023<br>Effective Date: 26/05/2023<br>Last date noted as effective: 02/04/2024<br>Status: Effective  |
| A  | 220m N   | Operator: Tata Steel UK Limited<br>Installation Name: Port Talbot Steel Works<br>Process: ROASTING OR SINTERING METAL ORE,<br>INCLUDING SULPHIDE ORE, OR ANY MIXTURE OF IRON<br>ORE WITH OR WITHOUT OTHER MATERIALS<br>Permit Number: BL7108IM<br>Original Permit Number: - | EPR Reference: -<br>Issue Date: 26/05/2023<br>Effective Date: 26/05/2023<br>Last date noted as effective: 02/04/2024<br>Status: Effective  |
| A  | 220m N   | Operator: Tata Steel UK Limited<br>Installation Name: Port Talbot Steel Works<br>Process: ROASTING OR SINTERING METAL ORE,<br>INCLUDING SULPHIDE ORE, OR ANY MIXTURE OF IRON<br>ORE WITH OR WITHOUT OTHER MATERIALS<br>Permit Number: BL7108IM<br>Original Permit Number: - | EPR Reference: -<br>Issue Date: 26/05/2023<br>Effective Date: 26/05/2023<br>Last date noted as effective: 02/04/2024<br>Status: Effective  |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; PRODUCING ETC IN<br>CRUCIBLES ETC (UNLESS 2.1 A (2) (A) OR (D))<br>Permit Number: AP3734CK<br>Original Permit Number: BL7108IM                                    | EPR Reference: -<br>Issue Date: 12/07/2012<br>Effective Date: 12/07/2012<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |



| ID | Location | Details                                                                                                                                                                                                                                                                                            |                                                                                                                                                   |
|----|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| A  | 220m N   | Operator: NU ROCK SONICS LTD<br>Installation Name: -<br>Process: FERROUS METALS; HOT ROLLING >20T/HR<br>Permit Number: BS6165<br>Original Permit Number: BS6165                                                                                                                                    | EPR Reference: -<br>Issue Date: 30/10/2002<br>Effective Date: 30/10/2002<br>Last date noted as effective: 01/10/2004<br>Status: SUPERSEDED BY PAS |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: CREATED BY IED - DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT<br>Permit Number: JP3631ZK<br>Original Permit Number: BL7108IM | EPR Reference: -<br>Issue Date: 26/06/2013<br>Effective Date: 26/06/2013<br>Last date noted as effective: 01/07/2013<br>Status: EFFECTIVE         |
| A  | 220m N   | Operator: MULTISERV GROUP LTD<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: OTHER MINERAL ACTIVITIES; ANY PROCESSING WITH RELEASE OF PARTICULATES INTO AIR (UNLESS A(1) OR A(2)), (EXCEPT STONE ECUTTING)<br>Permit Number: BP3635MR<br>Original Permit Number: BP3635MR               | EPR Reference: -<br>Issue Date: 30/10/2006<br>Effective Date: 30/10/2006<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED        |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; HANDLING ETC >500,000 TONNES/12 MONTHS<br>Permit Number: AP3330BE<br>Original Permit Number: BL7108IM                                                                                    | EPR Reference: -<br>Issue Date: 04/11/2004<br>Effective Date: 08/11/2004<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED        |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; HOT ROLLING >20T/HR<br>Permit Number: AP3330BE<br>Original Permit Number: BL7108IM                                                                                                       | EPR Reference: -<br>Issue Date: 04/11/2004<br>Effective Date: 08/11/2004<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED        |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; PRODUCING, MELTING OR REFINING<br>Permit Number: AP3330BE<br>Original Permit Number: BL7108IM                                                                                            | EPR Reference: -<br>Issue Date: 04/11/2004<br>Effective Date: 08/11/2004<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED        |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; ROASTING/SINTERING IRON ORE, INCLUDING MIXTURES AND SULPHIDE ORE<br>Permit Number: AP3330BE<br>Original Permit Number: BL7108IM                                                          | EPR Reference: -<br>Issue Date: 04/11/2004<br>Effective Date: 08/11/2004<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED        |



| ID | Location | Details                                                                                                                                                                                                                                                  |                                                                                                                                            |
|----|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: COMBUSTION; ANY FUEL =>50MW<br>Permit Number: AP3734CK<br>Original Permit Number: BL7108IM                                                                     | EPR Reference: -<br>Issue Date: 12/07/2012<br>Effective Date: 12/07/2012<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; HANDLING ETC >500,000 TONNES/12 MONTHS<br>Permit Number: AP3734CK<br>Original Permit Number: BL7108IM                                          | EPR Reference: -<br>Issue Date: 12/07/2012<br>Effective Date: 12/07/2012<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; HOT ROLLING >20T/HR<br>Permit Number: AP3734CK<br>Original Permit Number: BL7108IM                                                             | EPR Reference: -<br>Issue Date: 12/07/2012<br>Effective Date: 12/07/2012<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; ROASTING/SINTERING IRON ORE, INCLUDING MIXTURES AND SULPHIDE ORE<br>Permit Number: AP3734CK<br>Original Permit Number: BL7108IM                | EPR Reference: -<br>Issue Date: 12/07/2012<br>Effective Date: 12/07/2012<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: GASIFICATION, LIQUIFAC. AND REFINING<br>Permit Number: AP3734CK<br>Original Permit Number: BL7108IM                                                            | EPR Reference: -<br>Issue Date: 12/07/2012<br>Effective Date: 12/07/2012<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: OTHER MINERAL ACTIVITIES; LOADING ETC COAL ETC (EXCEPT ON RETAIL SALE) (UNLESS EXEMPT LOCATION)<br>Permit Number: AP3734CK<br>Original Permit Number: BL7108IM | EPR Reference: -<br>Issue Date: 12/07/2012<br>Effective Date: 12/07/2012<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D<br>Permit Number: AP3734CK<br>Original Permit Number: BL7108IM                                                    | EPR Reference: -<br>Issue Date: 12/07/2012<br>Effective Date: 12/07/2012<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M<br>Permit Number: AP3734CK<br>Original Permit Number: BL7108IM                            | EPR Reference: -<br>Issue Date: 12/07/2012<br>Effective Date: 12/07/2012<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |



| ID | Location | Details                                                                                                                                                                                                                                                                          |                                                                                                                                            |
|----|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>EA/EPR/BL7108IM/V008<br>Process: FERROUS METALS; HANDLING ETC >500,000 TONNES/12 MONTHS<br>Permit Number: BL7108IM<br>Original Permit Number: BL7108IM                                          | EPR Reference: -<br>Issue Date: 31/03/2004<br>Effective Date: 31/03/2004<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>EA/EPR/BL7108IM/V008<br>Process: FERROUS METALS; HOT ROLLING >20T/HR<br>Permit Number: BL7108IM<br>Original Permit Number: BL7108IM                                                             | EPR Reference: -<br>Issue Date: 31/03/2004<br>Effective Date: 31/03/2004<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>EA/EPR/BL7108IM/V008<br>Process: FERROUS METALS; PRODUCING, MELTING OR REFINING<br>Permit Number: BL7108IM<br>Original Permit Number: BL7108IM                                                  | EPR Reference: -<br>Issue Date: 31/03/2004<br>Effective Date: 31/03/2004<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>EA/EPR/BL7108IM/V008<br>Process: FERROUS METALS; ROASTING/SINTERING IRON ORE, INCLUDING MIXTURES AND SULPHIDE ORE<br>Permit Number: BL7108IM<br>Original Permit Number: BL7108IM                | EPR Reference: -<br>Issue Date: 31/03/2004<br>Effective Date: 31/03/2004<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>EA/EPR/BL7108IM/V008<br>Process: OTHER MINERAL ACTIVITIES; LOADING ETC COAL ETC (EXCEPT ON RETAIL SALE) (UNLESS EXEMPT LOCATION)<br>Permit Number: BL7108IM<br>Original Permit Number: BL7108IM | EPR Reference: -<br>Issue Date: 31/03/2004<br>Effective Date: 31/03/2004<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; HANDLING ETC >500,000 TONNES/12 MONTHS<br>Permit Number: BP3933LD<br>Original Permit Number: BL7108IM                                                                  | EPR Reference: -<br>Issue Date: 01/10/2005<br>Effective Date: 01/10/2005<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; HOT ROLLING >20T/HR<br>Permit Number: BP3933LD<br>Original Permit Number: BL7108IM                                                                                     | EPR Reference: -<br>Issue Date: 01/10/2005<br>Effective Date: 01/10/2005<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |



| ID | Location | Details                                                                                                                                                                                                                                   |                                                                                                                                            |
|----|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; PRODUCING, MELTING OR REFINING<br>Permit Number: BP3933LD<br>Original Permit Number: BL7108IM                                   | EPR Reference: -<br>Issue Date: 01/10/2005<br>Effective Date: 01/10/2005<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; ROASTING/SINTERING IRON ORE, INCLUDING MIXTURES AND SULPHIDE ORE<br>Permit Number: BP3933LD<br>Original Permit Number: BL7108IM | EPR Reference: -<br>Issue Date: 01/10/2005<br>Effective Date: 01/10/2005<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; HOT ROLLING >20T/HR<br>Permit Number: FP3935LM<br>Original Permit Number: BL7108IM                                              | EPR Reference: -<br>Issue Date: 03/02/2006<br>Effective Date: 03/02/2006<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: SHORT BROS (PLANT) LTD<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: ASSOCIATED PROCESS<br>Permit Number: BV4037ID<br>Original Permit Number: BL7191IQ                                                              | EPR Reference: -<br>Issue Date: 14/10/2003<br>Effective Date: 17/10/2003<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; HANDLING ETC >500,000 TONNES/12 MONTHS<br>Permit Number: FP3935LM<br>Original Permit Number: BL7108IM                           | EPR Reference: -<br>Issue Date: 03/02/2006<br>Effective Date: 03/02/2006<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; PRODUCING, MELTING OR REFINING<br>Permit Number: FP3935LM<br>Original Permit Number: BL7108IM                                   | EPR Reference: -<br>Issue Date: 03/02/2006<br>Effective Date: 03/02/2006<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; ROASTING/SINTERING IRON ORE, INCLUDING MIXTURES AND SULPHIDE ORE<br>Permit Number: FP3935LM<br>Original Permit Number: BL7108IM | EPR Reference: -<br>Issue Date: 03/02/2006<br>Effective Date: 03/02/2006<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: SHORT BROS (PLANT) LTD<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: ASSOCIATED PROCESS<br>Permit Number: BL7191IQ<br>Original Permit Number: BL7191IQ                                                              | EPR Reference: -<br>Issue Date: 06/06/2003<br>Effective Date: 06/06/2003<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |



| ID | Location | Details                                                                                                                                                                                                                                                                                 |                                                                                                                                            |
|----|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| A  | 220m N   | Operator: SHORT BROS (PLANT) LTD<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: ASSOCIATED PROCESS<br>Permit Number: BX3805IK<br>Original Permit Number: BL7191IQ                                                                                                            | EPR Reference: -<br>Issue Date: 27/02/2004<br>Effective Date: 01/03/2004<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: SHORT BROS (PLANT) LTD<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: ASSOCIATED PROCESS<br>Permit Number: BX9374IT<br>Original Permit Number: BL7191IQ                                                                                                            | EPR Reference: -<br>Issue Date: 23/07/2004<br>Effective Date: 23/07/2004<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: SHORT BROS (PLANT) LTD<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: OTHER MINERAL ACTIVITIES; ANY PROCESSING WITH RELEASE OF PARTICULATES INTO AIR (UNLESS A(1) OR A(2)), (EXCEPT STONE ECUTTING)<br>Permit Number: BX9374IT<br>Original Permit Number: BL7191IQ | EPR Reference: -<br>Issue Date: 23/07/2004<br>Effective Date: 23/07/2004<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: SHORT BROS (PLANT) LTD<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: ASSOCIATED PROCESS<br>Permit Number: KP3035LE<br>Original Permit Number: BL7191IQ                                                                                                            | EPR Reference: -<br>Issue Date: 31/01/2006<br>Effective Date: 31/01/2006<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: SHORT BROS (PLANT) LTD<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: OTHER MINERAL ACTIVITIES; ANY PROCESSING WITH RELEASE OF PARTICULATES INTO AIR (UNLESS A(1) OR A(2)), (EXCEPT STONE ECUTTING)<br>Permit Number: KP3035LE<br>Original Permit Number: BL7191IQ | EPR Reference: -<br>Issue Date: 31/01/2006<br>Effective Date: 31/01/2006<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: SHORT BROS (PLANT) LTD<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: ASSOCIATED PROCESS<br>Permit Number: WP3337SD<br>Original Permit Number: BL7191IQ                                                                                                            | EPR Reference: -<br>Issue Date: 28/09/2005<br>Effective Date: 01/10/2005<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: SHORT BROS (PLANT) LTD<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: OTHER MINERAL ACTIVITIES; ANY PROCESSING WITH RELEASE OF PARTICULATES INTO AIR (UNLESS A(1) OR A(2)), (EXCEPT STONE ECUTTING)<br>Permit Number: WP3337SD<br>Original Permit Number: BL7191IQ | EPR Reference: -<br>Issue Date: 28/09/2005<br>Effective Date: 01/10/2005<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |



| ID | Location | Details                                                                                                                                                                                                                                                    |                                                                                                                                                   |
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| A  | 220m N   | Operator: CORUS UK LTD<br>Installation Name: -<br>Process: FERROUS METALS; ROASTING/SINTERING IRON ORE, INCLUDING MIXTURES AND SULPHIDE ORE<br>Permit Number: BL7108<br>Original Permit Number: BL7108                                                     | EPR Reference: -<br>Issue Date: 31/03/2004<br>Effective Date: 31/03/2004<br>Last date noted as effective: 01/10/2004<br>Status: SUPERSEDED BY PAS |
| A  | 220m N   | Operator: MULTISERV (ASR) LTD<br>Installation Name: -<br>Process: OTHER MINERAL ACTIVITIES; ANY PROCESSING WITH RELEASE OF PARTICULATES INTO AIR (UNLESS A(1) OR A(2)), (EXCEPT STONE ECUTTING)<br>Permit Number: BX9374<br>Original Permit Number: BL7191 | EPR Reference: -<br>Issue Date: -<br>Effective Date: -<br>Last date noted as effective: 01/10/2004<br>Status: SUPERSEDED BY PAS                   |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: COMBUSTION; ANY FUEL =>50MW<br>Permit Number: GP3933CV<br>Original Permit Number: BL7108IM                                                                       | EPR Reference: -<br>Issue Date: 02/02/2012<br>Effective Date: 02/02/2012<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED        |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; HANDLING ETC >500,000 TONNES/12 MONTHS<br>Permit Number: GP3933CV<br>Original Permit Number: BL7108IM                                            | EPR Reference: -<br>Issue Date: 02/02/2012<br>Effective Date: 02/02/2012<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED        |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; HOT ROLLING >20T/HR<br>Permit Number: GP3933CV<br>Original Permit Number: BL7108IM                                                               | EPR Reference: -<br>Issue Date: 02/02/2012<br>Effective Date: 02/02/2012<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED        |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; PRODUCING ETC IN CRUCIBLES ETC (UNLESS 2.1 A (2) (A) OR (D))<br>Permit Number: GP3933CV<br>Original Permit Number: BL7108IM                      | EPR Reference: -<br>Issue Date: 02/02/2012<br>Effective Date: 02/02/2012<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED        |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; ROASTING/SINTERING IRON ORE, INCLUDING MIXTURES AND SULPHIDE ORE<br>Permit Number: GP3933CV<br>Original Permit Number: BL7108IM                  | EPR Reference: -<br>Issue Date: 02/02/2012<br>Effective Date: 02/02/2012<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED        |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: GASIFICATION, LIQUIFAC. AND REFINING<br>Permit Number: GP3933CV<br>Original Permit Number: BL7108IM                                                              | EPR Reference: -<br>Issue Date: 02/02/2012<br>Effective Date: 02/02/2012<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED        |



| ID | Location | Details                                                                                                                                                                                                                                                  |                                                                                                                                                   |
|----|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: OTHER MINERAL ACTIVITIES; LOADING ETC COAL ETC (EXCEPT ON RETAIL SALE) (UNLESS EXEMPT LOCATION)<br>Permit Number: GP3933CV<br>Original Permit Number: BL7108IM | EPR Reference: -<br>Issue Date: 02/02/2012<br>Effective Date: 02/02/2012<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED        |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D<br>Permit Number: GP3933CV<br>Original Permit Number: BL7108IM                                                    | EPR Reference: -<br>Issue Date: 02/02/2012<br>Effective Date: 02/02/2012<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED        |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M<br>Permit Number: GP3933CV<br>Original Permit Number: BL7108IM                            | EPR Reference: -<br>Issue Date: 02/02/2012<br>Effective Date: 02/02/2012<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED        |
| A  | 220m N   | Operator: CORUS UK LTD<br>Installation Name: -<br>Process: FERROUS METALS; HANDLING ETC >500,000 TONNES/12 MONTHS<br>Permit Number: BL7108<br>Original Permit Number: BL7108                                                                             | EPR Reference: -<br>Issue Date: 31/03/2004<br>Effective Date: 31/03/2004<br>Last date noted as effective: 01/10/2004<br>Status: SUPERSEDED BY PAS |
| A  | 220m N   | Operator: SUN COKE COMPANY<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: GASIFICATION, LIQUIFAC. AND REFINING; OPERATING COKE OVENS<br>Permit Number: BX6987IB<br>Original Permit Number: BX6987IB                                           | EPR Reference: -<br>Issue Date: 08/07/2005<br>Effective Date: 08/07/2005<br>Last date noted as effective: 01/04/2013<br>Status: SUPERCEDED        |
| A  | 220m N   | Operator: CORUS UK LTD<br>Installation Name: -<br>Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE<br>Permit Number: BV7311<br>Original Permit Number: BV7311                                                            | EPR Reference: -<br>Issue Date: -<br>Effective Date: -<br>Last date noted as effective: 01/10/2004<br>Status: SUPERSEDED BY PAS                   |
| A  | 220m N   | Operator: MULTISERV (ASR) LTD<br>Installation Name: -<br>Process: ASSOCIATED PROCESS<br>Permit Number: BL7191<br>Original Permit Number: BL7191                                                                                                          | EPR Reference: -<br>Issue Date: 06/06/2003<br>Effective Date: 06/06/2003<br>Last date noted as effective: 01/10/2004<br>Status: SUPERSEDED BY PAS |



| ID | Location | Details                                                                                                                                                                                                                                                                                           |                                                                                                                                                   |
|----|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| A  | 220m N   | Operator: MULTISERV (ASR) LTD<br>Installation Name: -<br>Process: ASSOCIATED PROCESS<br>Permit Number: BX9374<br>Original Permit Number: BL7191                                                                                                                                                   | EPR Reference: -<br>Issue Date: -<br>Effective Date: -<br>Last date noted as effective: 01/10/2004<br>Status: SUPERSEDED BY PAS                   |
| A  | 220m N   | Operator: CORUS UK LTD<br>Installation Name: -<br>Process: FERROUS METALS; PRODUCING, MELTING OR REFINING<br>Permit Number: BL7108<br>Original Permit Number: BL7108                                                                                                                              | EPR Reference: -<br>Issue Date: 31/03/2004<br>Effective Date: 31/03/2004<br>Last date noted as effective: 01/10/2004<br>Status: SUPERSEDED BY PAS |
| A  | 220m N   | Operator: CORUS UK LTD<br>Installation Name: -<br>Process: FERROUS METALS; HOT ROLLING >20T/HR<br>Permit Number: BL7108<br>Original Permit Number: BL7108                                                                                                                                         | EPR Reference: -<br>Issue Date: 31/03/2004<br>Effective Date: 31/03/2004<br>Last date noted as effective: 01/10/2004<br>Status: SUPERSEDED BY PAS |
| A  | 220m N   | Operator: MULTISERV (ASR) LTD<br>Installation Name: -<br>Process: ASSOCIATED PROCESS<br>Permit Number: BV4037<br>Original Permit Number: BL7191                                                                                                                                                   | EPR Reference: -<br>Issue Date: -<br>Effective Date: -<br>Last date noted as effective: 01/10/2004<br>Status: SUPERSEDED BY PAS                   |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>EPR/BL7108IM<br>Process: COMBUSTION; ANY FUEL =>50MW<br>Permit Number: JP3631ZK<br>Original Permit Number: BL7108IM                                                                                              | EPR Reference: -<br>Issue Date: 26/06/2013<br>Effective Date: 26/06/2013<br>Last date noted as effective: 17/11/2015<br>Status: EFFECTIVE         |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>EPR/BL7108IM<br>Process: ASSOCIATED PROCESS<br>Permit Number: JP3631ZK<br>Original Permit Number: BL7108IM                                                                                                       | EPR Reference: -<br>Issue Date: 26/06/2013<br>Effective Date: 26/06/2013<br>Last date noted as effective: 17/11/2015<br>Status: EFFECTIVE         |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>EPR/BL7108IM<br>Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING PHYSICO-CHEMICAL TREATMENT<br>Permit Number: JP3631ZK<br>Original Permit Number: BL7108IM | EPR Reference: -<br>Issue Date: 26/06/2013<br>Effective Date: 26/06/2013<br>Last date noted as effective: 17/11/2015<br>Status: EFFECTIVE         |



| ID | Location | Details                                                                                                                                                                                                                                               |                                                                                                                                                     |
|----|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>EPR/BL7108IM<br>Process: FERROUS METALS; HANDLING ETC >500,000 TONNES/12 MONTHS<br>Permit Number: JP3631ZK<br>Original Permit Number: BL7108IM                       | EPR Reference: -<br>Issue Date: 26/06/2013<br>Effective Date: 26/06/2013<br>Last date noted as effective: 17/11/2015<br>Status: EFFECTIVE           |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>EPR/BL7108IM<br>Process: FERROUS METALS; HOT ROLLING >20T/HR<br>Permit Number: JP3631ZK<br>Original Permit Number: BL7108IM                                          | EPR Reference: -<br>Issue Date: 26/06/2013<br>Effective Date: 26/06/2013<br>Last date noted as effective: 17/11/2015<br>Status: EFFECTIVE           |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>EPR/BL7108IM<br>Process: FERROUS METALS; PRODUCING ETC IN CRUCIBLES ETC (UNLESS 2.1 A (2) (A) OR (D))<br>Permit Number: JP3631ZK<br>Original Permit Number: BL7108IM | EPR Reference: -<br>Issue Date: 26/06/2013<br>Effective Date: 26/06/2013<br>Last date noted as effective: 17/11/2015<br>Status: EFFECTIVE           |
| A  | 220m N   | Operator: SUN COKE COMPANY<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: GASIFICATION, LIQUIFAC. AND REFINING; OPERATING COKE OVENS<br>Permit Number: BX6987IB<br>Original Permit Number: BX6987IB                                        | EPR Reference: -<br>Issue Date: 08/07/2005<br>Effective Date: 08/07/2005<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED          |
| A  | 220m N   | Operator: SUN COKE COMPANY<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: GASIFICATION, LIQUIFAC. AND REFINING; REFINING GAS => 1000 TE/12 MONTHS<br>Permit Number: BX6987IB<br>Original Permit Number: BX6987IB                           | EPR Reference: -<br>Issue Date: 08/07/2005<br>Effective Date: 08/07/2005<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED          |
| A  | 220m N   | Operator: SUN COKE COMPANY<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: OTHER MINERAL ACTIVITIES; CRUSHING ETC OF COAL ETC (UNLESS EXEMPT LOCATION)<br>Permit Number: BX6987IB<br>Original Permit Number: BX6987IB                       | EPR Reference: -<br>Issue Date: 08/07/2005<br>Effective Date: 08/07/2005<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED          |
| A  | 220m N   | Operator: SUN COKE COMPANY<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: GASIFICATION, LIQUIFAC. AND REFINING; OPERATING COKE OVENS<br>Permit Number: SP3339ZL<br>Original Permit Number: BX6987IB                                        | EPR Reference: -<br>Issue Date: 12/12/2012<br>Effective Date: 12/12/2012<br>Last date noted as effective: 17/11/2015<br>Status: SURRENDER EFFECTIVE |



| ID | Location | Details                                                                                                                                                                                                                                                                        |                                                                                                                                                     |
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| A  | 220m N   | Operator: SUN COKE COMPANY<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: GASIFICATION, LIQUIFAC. AND REFINING;<br>REFINING GAS => 1000 TE/12 MONTHS<br>Permit Number: SP3339ZL<br>Original Permit Number: BX6987IB                                                 | EPR Reference: -<br>Issue Date: 12/12/2012<br>Effective Date: 12/12/2012<br>Last date noted as effective: 17/11/2015<br>Status: SURRENDER EFFECTIVE |
| A  | 220m N   | Operator: SUN COKE COMPANY<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: OTHER MINERAL ACTIVITIES; CRUSHING ETC<br>OF COAL ETC (UNLESS EXEMPT LOCATION)<br>Permit Number: SP3339ZL<br>Original Permit Number: BX6987IB                                             | EPR Reference: -<br>Issue Date: 12/12/2012<br>Effective Date: 12/12/2012<br>Last date noted as effective: 17/11/2015<br>Status: SURRENDER EFFECTIVE |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>EPR/BL7108IM<br>Process: FERROUS METALS; ROASTING/SINTERING<br>IRON ORE, INCLUDING MIXTURES AND SULPHIDE ORE<br>Permit Number: JP3631ZK<br>Original Permit Number: BL7108IM                   | EPR Reference: -<br>Issue Date: 26/06/2013<br>Effective Date: 26/06/2013<br>Last date noted as effective: 17/11/2015<br>Status: EFFECTIVE           |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>EPR/BL7108IM<br>Process: GASIFICATION, LIQUIFAC. AND REFINING<br>Permit Number: JP3631ZK<br>Original Permit Number: BL7108IM                                                                  | EPR Reference: -<br>Issue Date: 26/06/2013<br>Effective Date: 26/06/2013<br>Last date noted as effective: 17/11/2015<br>Status: EFFECTIVE           |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>EPR/BL7108IM<br>Process: OTHER MINERAL ACTIVITIES; LOADING ETC<br>COAL ETC (EXCEPT ON RETAIL SALE) (UNLESS EXEMPT<br>LOCATION)<br>Permit Number: JP3631ZK<br>Original Permit Number: BL7108IM | EPR Reference: -<br>Issue Date: 26/06/2013<br>Effective Date: 26/06/2013<br>Last date noted as effective: 17/11/2015<br>Status: EFFECTIVE           |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>EPR/BL7108IM<br>Process: SURFACE TREATING METALS AND PLASTICS;<br>ELECTROLYTIC/CHEMICAL >30 CU M<br>Permit Number: JP3631ZK<br>Original Permit Number: BL7108IM                               | EPR Reference: -<br>Issue Date: 26/06/2013<br>Effective Date: 26/06/2013<br>Last date noted as effective: 17/11/2015<br>Status: EFFECTIVE           |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: COMBUSTION; ANY FUEL =>50MW<br>Permit Number: NP3938GZ<br>Original Permit Number: BL7108IM                                                                                           | EPR Reference: -<br>Issue Date: 29/06/2009<br>Effective Date: 29/06/2009<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED          |



| ID | Location | Details                                                                                                                                                                                                                                                  |                                                                                                                                            |
|----|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; HANDLING ETC >500,000 TONNES/12 MONTHS<br>Permit Number: NP3938GZ<br>Original Permit Number: BL7108IM                                          | EPR Reference: -<br>Issue Date: 29/06/2009<br>Effective Date: 29/06/2009<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; HOT ROLLING >20T/HR<br>Permit Number: NP3938GZ<br>Original Permit Number: BL7108IM                                                             | EPR Reference: -<br>Issue Date: 29/06/2009<br>Effective Date: 29/06/2009<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; PRODUCING ETC IN CRUCIBLES ETC (UNLESS 2.1 A (2) (A) OR (D))<br>Permit Number: NP3938GZ<br>Original Permit Number: BL7108IM                    | EPR Reference: -<br>Issue Date: 29/06/2009<br>Effective Date: 29/06/2009<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; ROASTING/SINTERING IRON ORE, INCLUDING MIXTURES AND SULPHIDE ORE<br>Permit Number: NP3938GZ<br>Original Permit Number: BL7108IM                | EPR Reference: -<br>Issue Date: 29/06/2009<br>Effective Date: 29/06/2009<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: GASIFICATION, LIQUIFAC. AND REFINING<br>Permit Number: NP3938GZ<br>Original Permit Number: BL7108IM                                                            | EPR Reference: -<br>Issue Date: 29/06/2009<br>Effective Date: 29/06/2009<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: OTHER MINERAL ACTIVITIES; LOADING ETC COAL ETC (EXCEPT ON RETAIL SALE) (UNLESS EXEMPT LOCATION)<br>Permit Number: NP3938GZ<br>Original Permit Number: BL7108IM | EPR Reference: -<br>Issue Date: 29/06/2009<br>Effective Date: 29/06/2009<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D<br>Permit Number: NP3938GZ<br>Original Permit Number: BL7108IM                                                    | EPR Reference: -<br>Issue Date: 29/06/2009<br>Effective Date: 29/06/2009<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |



| ID | Location | Details                                                                                                                                                                                                                                      |                                                                                                                                            |
|----|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: SURFACE TREATING METALS AND PLASTICS;<br>ELECTROLYTIC/CHEMICAL >30 CU M<br>Permit Number: NP3938GZ<br>Original Permit Number: BL7108IM             | EPR Reference: -<br>Issue Date: 29/06/2009<br>Effective Date: 29/06/2009<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; HANDLING ETC >500,000<br>TONNES/12 MONTHS<br>Permit Number: PP3837SQ<br>Original Permit Number: BL7108IM                           | EPR Reference: -<br>Issue Date: 12/05/2006<br>Effective Date: 12/05/2006<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; HOT ROLLING >20T/HR<br>Permit Number: PP3837SQ<br>Original Permit Number: BL7108IM                                                 | EPR Reference: -<br>Issue Date: 12/05/2006<br>Effective Date: 12/05/2006<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; PRODUCING, MELTING OR<br>REFINING<br>Permit Number: PP3837SQ<br>Original Permit Number: BL7108IM                                   | EPR Reference: -<br>Issue Date: 12/05/2006<br>Effective Date: 12/05/2006<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; ROASTING/SINTERING<br>IRON ORE, INCLUDING MIXTURES AND SULPHIDE ORE<br>Permit Number: PP3837SQ<br>Original Permit Number: BL7108IM | EPR Reference: -<br>Issue Date: 12/05/2006<br>Effective Date: 12/05/2006<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; HANDLING ETC >500,000<br>TONNES/12 MONTHS<br>Permit Number: RP3730BV<br>Original Permit Number: BL7108IM                           | EPR Reference: -<br>Issue Date: 18/02/2005<br>Effective Date: 20/02/2005<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; HOT ROLLING >20T/HR<br>Permit Number: RP3730BV<br>Original Permit Number: BL7108IM                                                 | EPR Reference: -<br>Issue Date: 18/02/2005<br>Effective Date: 20/02/2005<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; PRODUCING, MELTING OR<br>REFINING<br>Permit Number: RP3730BV<br>Original Permit Number: BL7108IM                                   | EPR Reference: -<br>Issue Date: 18/02/2005<br>Effective Date: 20/02/2005<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |



| ID | Location | Details                                                                                                                                                                                                                                                        |                                                                                                                                            |
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| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; ROASTING/SINTERING<br>IRON ORE, INCLUDING MIXTURES AND SULPHIDE ORE<br>Permit Number: RP3730BV<br>Original Permit Number: BL7108IM                   | EPR Reference: -<br>Issue Date: 18/02/2005<br>Effective Date: 20/02/2005<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: COMBUSTION; ANY FUEL =>50MW<br>Permit Number: UP3130TB<br>Original Permit Number: BL7108IM                                                                           | EPR Reference: -<br>Issue Date: 09/08/2010<br>Effective Date: 09/08/2010<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; HANDLING ETC >500,000<br>TONNES/12 MONTHS<br>Permit Number: UP3130TB<br>Original Permit Number: BL7108IM                                             | EPR Reference: -<br>Issue Date: 09/08/2010<br>Effective Date: 09/08/2010<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; HOT ROLLING >20T/HR<br>Permit Number: UP3130TB<br>Original Permit Number: BL7108IM                                                                   | EPR Reference: -<br>Issue Date: 09/08/2010<br>Effective Date: 09/08/2010<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; PRODUCING ETC IN<br>CRUCIBLES ETC (UNLESS 2.1 A (2) (A) OR (D))<br>Permit Number: UP3130TB<br>Original Permit Number: BL7108IM                       | EPR Reference: -<br>Issue Date: 09/08/2010<br>Effective Date: 09/08/2010<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; ROASTING/SINTERING<br>IRON ORE, INCLUDING MIXTURES AND SULPHIDE ORE<br>Permit Number: UP3130TB<br>Original Permit Number: BL7108IM                   | EPR Reference: -<br>Issue Date: 09/08/2010<br>Effective Date: 09/08/2010<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: GASIFICATION, LIQUIFAC. AND REFINING<br>Permit Number: UP3130TB<br>Original Permit Number: BL7108IM                                                                  | EPR Reference: -<br>Issue Date: 09/08/2010<br>Effective Date: 09/08/2010<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: OTHER MINERAL ACTIVITIES; LOADING ETC<br>COAL ETC (EXCEPT ON RETAIL SALE) (UNLESS EXEMPT<br>LOCATION)<br>Permit Number: UP3130TB<br>Original Permit Number: BL7108IM | EPR Reference: -<br>Issue Date: 09/08/2010<br>Effective Date: 09/08/2010<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |



| ID | Location | Details                                                                                                                                                                                                                                   |                                                                                                                                            |
|----|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D<br>Permit Number: UP3130TB<br>Original Permit Number: BL7108IM                                     | EPR Reference: -<br>Issue Date: 09/08/2010<br>Effective Date: 09/08/2010<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M<br>Permit Number: UP3130TB<br>Original Permit Number: BL7108IM             | EPR Reference: -<br>Issue Date: 09/08/2010<br>Effective Date: 09/08/2010<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: COMBUSTION; ANY FUEL =>50MW<br>Permit Number: ZP3535HC<br>Original Permit Number: BL7108IM                                                      | EPR Reference: -<br>Issue Date: 19/11/2010<br>Effective Date: 19/11/2010<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; HANDLING ETC >500,000 TONNES/12 MONTHS<br>Permit Number: ZP3535HC<br>Original Permit Number: BL7108IM                           | EPR Reference: -<br>Issue Date: 19/11/2010<br>Effective Date: 19/11/2010<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; HOT ROLLING >20T/HR<br>Permit Number: ZP3535HC<br>Original Permit Number: BL7108IM                                              | EPR Reference: -<br>Issue Date: 19/11/2010<br>Effective Date: 19/11/2010<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; PRODUCING ETC IN CRUCIBLES ETC (UNLESS 2.1 A (2) (A) OR (D))<br>Permit Number: ZP3535HC<br>Original Permit Number: BL7108IM     | EPR Reference: -<br>Issue Date: 19/11/2010<br>Effective Date: 19/11/2010<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; ROASTING/SINTERING IRON ORE, INCLUDING MIXTURES AND SULPHIDE ORE<br>Permit Number: ZP3535HC<br>Original Permit Number: BL7108IM | EPR Reference: -<br>Issue Date: 19/11/2010<br>Effective Date: 19/11/2010<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: GASIFICATION, LIQUIFAC. AND REFINING<br>Permit Number: ZP3535HC<br>Original Permit Number: BL7108IM                                             | EPR Reference: -<br>Issue Date: 19/11/2010<br>Effective Date: 19/11/2010<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |



| ID | Location | Details                                                                                                                                                                                                                                                                                  |                                                                                                                                            |
|----|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: OTHER MINERAL ACTIVITIES; LOADING ETC COAL ETC (EXCEPT ON RETAIL SALE) (UNLESS EXEMPT LOCATION)<br>Permit Number: ZP3535HC<br>Original Permit Number: BL7108IM                                 | EPR Reference: -<br>Issue Date: 19/11/2010<br>Effective Date: 19/11/2010<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: OTHER WASTE DISPOSAL; HAZARDOUS WASTE >10T/D<br>Permit Number: ZP3535HC<br>Original Permit Number: BL7108IM                                                                                    | EPR Reference: -<br>Issue Date: 19/11/2010<br>Effective Date: 19/11/2010<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: SURFACE TREATING METALS AND PLASTICS; ELECTROLYTIC/CHEMICAL >30 CU M<br>Permit Number: ZP3535HC<br>Original Permit Number: BL7108IM                                                            | EPR Reference: -<br>Issue Date: 19/11/2010<br>Effective Date: 19/11/2010<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: HARSCO METALS GROUP LTD<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: ASSOCIATED PROCESS<br>Permit Number: GP3133CP<br>Original Permit Number: BP3635MR                                                                                                            | EPR Reference: -<br>Issue Date: 14/06/2012<br>Effective Date: 14/06/2012<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: HARSCO METALS GROUP LTD<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: OTHER MINERAL ACTIVITIES; ANY PROCESSING WITH RELEASE OF PARTICULATES INTO AIR (UNLESS A(1) OR A(2)), (EXCEPT STONE ECUTTING)<br>Permit Number: GP3133CP<br>Original Permit Number: BP3635MR | EPR Reference: -<br>Issue Date: 14/06/2012<br>Effective Date: 14/06/2012<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: HARSCO METALS GROUP LTD<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: ASSOCIATED PROCESS<br>Permit Number: UP3033CC<br>Original Permit Number: BP3635MR                                                                                                            | EPR Reference: -<br>Issue Date: 16/06/2012<br>Effective Date: 16/06/2012<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: HARSCO METALS GROUP LTD<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: OTHER MINERAL ACTIVITIES; ANY PROCESSING WITH RELEASE OF PARTICULATES INTO AIR (UNLESS A(1) OR A(2)), (EXCEPT STONE ECUTTING)<br>Permit Number: UP3033CC<br>Original Permit Number: BP3635MR | EPR Reference: -<br>Issue Date: 16/06/2012<br>Effective Date: 16/06/2012<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |



| ID | Location | Details                                                                                                                                                                                                                                                                                                  |                                                                                                                                            |
|----|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| A  | 220m N   | Operator: HARSCO METALS GROUP LTD<br>Installation Name: PORT TALBOT STEEL WORKS<br>EPR/BP3635MR<br>Process: ASSOCIATED PROCESS<br>Permit Number: WP3132EV<br>Original Permit Number: BP3635MR                                                                                                            | EPR Reference: -<br>Issue Date: 18/03/2014<br>Effective Date: 18/03/2014<br>Last date noted as effective: 17/11/2015<br>Status: EFFECTIVE  |
| A  | 220m N   | Operator: HARSCO METALS GROUP LTD<br>Installation Name: PORT TALBOT STEEL WORKS<br>EPR/BP3635MR<br>Process: OTHER MINERAL ACTIVITIES; ANY PROCESSING WITH RELEASE OF PARTICULATES INTO AIR (UNLESS A(1) OR A(2)), (EXCEPT STONE ECUTTING)<br>Permit Number: WP3132EV<br>Original Permit Number: BP3635MR | EPR Reference: -<br>Issue Date: 18/03/2014<br>Effective Date: 18/03/2014<br>Last date noted as effective: 17/11/2015<br>Status: EFFECTIVE  |
| A  | 220m N   | Operator: SUN COKE COMPANY<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: GASIFICATION, LIQUIFAC. AND REFINING; OPERATING COKE OVENS<br>Permit Number: SP3339ZL<br>Original Permit Number: BX6987IB                                                                                           | EPR Reference: -<br>Issue Date: -<br>Effective Date: 12/12/2012<br>Last date noted as effective: 01/04/2013<br>Status: SURRENDER EFFECTIVE |
| A  | 220m N   | Operator: NU ROCK SONICS LTD<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; HOT ROLLING >20T/HR<br>Permit Number: BS6165IW<br>Original Permit Number: BS6165IW                                                                                                                | EPR Reference: -<br>Issue Date: 30/10/2002<br>Effective Date: 31/03/2005<br>Last date noted as effective: 17/11/2015<br>Status: REVOKED    |
| A  | 220m N   | Operator: HARSCO METALS GROUP LTD<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: ASSOCIATED PROCESS<br>Permit Number: XP3030TS<br>Original Permit Number: BP3635MR                                                                                                                            | EPR Reference: -<br>Issue Date: 09/08/2010<br>Effective Date: 09/08/2010<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: HARSCO METALS GROUP LTD<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: OTHER MINERAL ACTIVITIES; ANY PROCESSING WITH RELEASE OF PARTICULATES INTO AIR (UNLESS A(1) OR A(2)), (EXCEPT STONE ECUTTING)<br>Permit Number: XP3030TS<br>Original Permit Number: BP3635MR                 | EPR Reference: -<br>Issue Date: 09/08/2010<br>Effective Date: 09/08/2010<br>Last date noted as effective: 17/11/2015<br>Status: SUPERCEDED |
| A  | 220m N   | Operator: CORUS UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: FERROUS METALS; PRODUCING, MELTING OR REFINING<br>Permit Number: TP3139XJ<br>Original Permit Number: BL7108IM                                                                                                       | EPR Reference: -<br>Issue Date: 21/12/2007<br>Effective Date: 21/12/2007<br>Last date noted as effective: 01/04/2008<br>Status: EFFECTIVE  |



| ID | Location | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                           |
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| A  | 220m N   | Operator: Harsco Metals Group Ltd<br>Installation Name: Port Talbot Steel Works<br>Process: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF NON-HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 75 TONNES PER DAY (OR 100 TONNES PER DAY IF THE ONLY WASTE TREATMENT ACTIVITY IS ANAEROBIC DIGESTION) INVOLVING ONE OR MORE OF THE FOLLOWING ACTIVITIES, AND EXCLUDING ACTIVITIES COVERED BY COUNCIL DIRECTIVE 91/271/EEC—TREATMENT OF SLAGS AND ASHES<br>Permit Number: BP3635MR<br>Original Permit Number: - | EPR Reference: -<br>Issue Date: 02/03/2016<br>Effective Date: 02/03/2016<br>Last date noted as effective: 02/04/2024<br>Status: Effective |
| A  | 220m N   | Operator: Tata Steel UK Limited<br>Installation Name: Port Talbot Steel Works<br>Process: -<br>Permit Number: BL7108IM<br>Original Permit Number: -                                                                                                                                                                                                                                                                                                                                                    | EPR Reference: -<br>Issue Date: 26/05/2023<br>Effective Date: 26/05/2023<br>Last date noted as effective: 02/04/2024<br>Status: Effective |
| A  | 220m N   | Operator: Tata Steel UK Limited<br>Installation Name: Port Talbot Steel Works<br>Process: -<br>Permit Number: BL7108IM<br>Original Permit Number: -                                                                                                                                                                                                                                                                                                                                                    | EPR Reference: -<br>Issue Date: 26/05/2023<br>Effective Date: 26/05/2023<br>Last date noted as effective: 02/04/2024<br>Status: Effective |
| A  | 220m N   | Operator: Tata Steel UK Limited<br>Installation Name: Port Talbot Steel Works<br>Process: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF NON-HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 75 TONNES PER DAY (OR 100 TONNES PER DAY IF THE ONLY WASTE TREATMENT ACTIVITY IS ANAEROBIC DIGESTION) INVOLVING ONE OR MORE OF THE FOLLOWING ACTIVITIES, AND EXCLUDING ACTIVITIES COVERED BY COUNCIL DIRECTIVE 91/271/EEC—TREATMENT OF SLAGS AND ASHES<br>Permit Number: BL7108IM<br>Original Permit Number: -   | EPR Reference: -<br>Issue Date: 26/05/2023<br>Effective Date: 26/05/2023<br>Last date noted as effective: 02/04/2024<br>Status: Effective |
| A  | 220m N   | Operator: Tata Steel UK Limited<br>Installation Name: Port Talbot Steel Works<br>Process: ROASTING OR SINTERING METAL ORE, INCLUDING SULPHIDE ORE, OR ANY MIXTURE OF IRON ORE WITH OR WITHOUT OTHER MATERIALS<br>Permit Number: BL7108IM<br>Original Permit Number: -                                                                                                                                                                                                                                  | EPR Reference: -<br>Issue Date: 26/05/2023<br>Effective Date: 26/05/2023<br>Last date noted as effective: 02/04/2024<br>Status: Effective |



| ID | Location | Details                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                           |
|----|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| A  | 220m N   | Operator: Harsco Metals Group Ltd<br>Installation Name: Port Talbot Steel Works<br>Process: -<br>Permit Number: BP3635MR<br>Original Permit Number: -                                                                                                                                                                                                                                      | EPR Reference: -<br>Issue Date: 02/03/2016<br>Effective Date: 02/03/2016<br>Last date noted as effective: 02/04/2024<br>Status: Effective |
| A  | 220m N   | Operator: Tata Steel UK Limited<br>Installation Name: Port Talbot Steel Works<br>Process: PROCESSING FERROUS METALS AND THEIR ALLOYS BY USING HOT-ROLLING MILLS WITH A PRODUCTION CAPACITY OF MORE THAN 20 TONNES OF CRUDE STEEL PER HOUR<br>Permit Number: BL7108IM<br>Original Permit Number: -                                                                                          | EPR Reference: -<br>Issue Date: 26/05/2023<br>Effective Date: 26/05/2023<br>Last date noted as effective: 02/04/2024<br>Status: Effective |
| A  | 220m N   | Operator: Tata Steel UK Limited<br>Installation Name: Port Talbot Steel Works<br>Process: PRODUCING, MELTING OR REFINING IRON OR STEEL OR ANY FERROUS ALLOY, INCLUDING CONTINUOUS CASTING, EXCEPT WHERE THE ONLY FURNACES USED ARE CUPOLA, CRUCIBLE, REVERBERATORY, ROTARY, INDUCTION, VACUUM, ELECTRO-SLAG OR RESISTANCE FURNACES<br>Permit Number: BL7108IM<br>Original Permit Number: - | EPR Reference: -<br>Issue Date: 26/05/2023<br>Effective Date: 26/05/2023<br>Last date noted as effective: 02/04/2024<br>Status: Effective |
| A  | 220m N   | Operator: Tata Steel UK Limited<br>Installation Name: Port Talbot Steel Works<br>Process: UNLESS FALLING WITHIN PART A(2) OF THIS SECTION, SURFACE TREATING METALS AND PLASTIC MATERIALS USING AN ELECTROLYTIC OR CHEMICAL PROCESS WHERE THE AGGREGATED VOLUME OF THE TREATMENT VATS IS MORE THAN 30M3<br>Permit Number: BL7108IM<br>Original Permit Number: -                             | EPR Reference: -<br>Issue Date: 26/05/2023<br>Effective Date: 26/05/2023<br>Last date noted as effective: 02/04/2024<br>Status: Effective |
| A  | 220m N   | Operator: Tata Steel UK Limited<br>Installation Name: Port Talbot Steel Works<br>Process: LOADING, UNLOADING OR OTHERWISE HANDLING OR STORING MORE THAN 500,000 TONNES IN TOTAL IN ANY 12-MONTH PERIOD OF IRON ORE, EXCEPT IN THE COURSE OF MINING OPERATIONS, OR BURNT PYRITES<br>Permit Number: BL7108IM<br>Original Permit Number: -                                                    | EPR Reference: -<br>Issue Date: 26/05/2023<br>Effective Date: 26/05/2023<br>Last date noted as effective: 02/04/2024<br>Status: Effective |



| ID | Location | Details                                                                                                                                                                                                                                                                                                                                |                                                                                                                                           |
|----|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| A  | 220m N   | Operator: Tata Steel UK Limited<br>Installation Name: Port Talbot Steel Works<br>Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING ONE OR MORE OF THE FOLLOWING ACTIVITIES - PHYSICO-CHEMICAL TREATMENT<br>Permit Number: BL7108IM<br>Original Permit Number: -                   | EPR Reference: -<br>Issue Date: 26/05/2023<br>Effective Date: 26/05/2023<br>Last date noted as effective: 02/04/2024<br>Status: Effective |
| A  | 220m N   | Operator: Tata Steel UK Limited<br>Installation Name: Port Talbot Steel Works<br>Process: BURNING ANY FUEL IN AN APPLIANCE WITH A RATED THERMAL INPUT OF 50 OR MORE MEGAWATTS<br>Permit Number: BL7108IM<br>Original Permit Number: -                                                                                                  | EPR Reference: -<br>Issue Date: 26/05/2023<br>Effective Date: 26/05/2023<br>Last date noted as effective: 02/04/2024<br>Status: Effective |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: -<br>Permit Number: BL7108IM<br>Original Permit Number: -                                                                                                                                                                                    | EPR Reference: -<br>Issue Date: -<br>Effective Date: -<br>Last date noted as effective: 01/04/2017<br>Status: DULY MADE                   |
| A  | 220m N   | Operator: RUNTECH LTD<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: -<br>Permit Number: AB3595FF<br>Original Permit Number: WP3132EV                                                                                                                                                                                       | EPR Reference: -<br>Issue Date: 29/09/2017<br>Effective Date: 01/10/2017<br>Last date noted as effective: 01/12/2022<br>Status: EFFECTIVE |
| A  | 220m N   | Operator: Industrial Chemicals Limited<br>Installation Name: Cold Mill Effluent Treatment Plant<br>Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER DAY INVOLVING ONE OR MORE OF THE FOLLOWING ACTIVITIES - PHYSICO-CHEMICAL TREATMENT<br>Permit Number: AB3192HQ<br>Original Permit Number: - | EPR Reference: -<br>Issue Date: 15/03/2021<br>Effective Date: 15/03/2021<br>Last date noted as effective: 23/11/2023<br>Status: Effective |
| A  | 220m N   | Operator: INDUSTRIAL CHEMICALS LIMITED<br>Installation Name: COLD MILL EFFLUENT TREATMENT PLANT<br>Process: -<br>Permit Number: AB3192HQ<br>Original Permit Number: -                                                                                                                                                                  | EPR Reference: -<br>Issue Date: 04/07/2016<br>Effective Date: 04/07/2016<br>Last date noted as effective: 01/04/2017<br>Status: ISSUED    |
| A  | 220m N   | Operator: HARSCO METALS GROUP LTD<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: -<br>Permit Number: BP3635MR<br>Original Permit Number: WP3132EV                                                                                                                                                                           | EPR Reference: -<br>Issue Date: 02/03/2016<br>Effective Date: 02/03/2016<br>Last date noted as effective: 01/12/2016<br>Status: EFFECTIVE |



| ID | Location | Details                                                                                                                                                                                                                                                            |                                                                                                                                           |
|----|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| A  | 220m N   | Operator: Tata Steel UK Limited<br>Installation Name: Port Talbot Steel Works<br>Process: OPERATING COKE OVENS<br>Permit Number: BL7108IM<br>Original Permit Number: -                                                                                             | EPR Reference: -<br>Issue Date: 26/06/2018<br>Effective Date: 26/06/2018<br>Last date noted as effective: 25/05/2023<br>Status: Effective |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>EPR/BL7108IM<br>Process: ROASTING OR SINTERING METAL ORE,<br>INCLUDING SULPHIDE ORE, OR ANY MIXTURE OF IRON<br>...<br>Permit Number: BL7108IM<br>Original Permit Number: JP3631ZK | EPR Reference: -<br>Issue Date: 08/02/2016<br>Effective Date: 08/02/2016<br>Last date noted as effective: 01/04/2018<br>Status: EFFECTIVE |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>EPR/BL7108IM<br>Process: ROASTING OR SINTERING METAL ORE,<br>INCLUDING SULPHIDE ORE, OR ANY MIXTURE OF IRON<br>...<br>Permit Number: BL7108IM<br>Original Permit Number: JP3631ZK | EPR Reference: -<br>Issue Date: 08/02/2016<br>Effective Date: 08/02/2016<br>Last date noted as effective: 01/04/2018<br>Status: EFFECTIVE |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>EPR/BL7108IM<br>Process: ROASTING OR SINTERING METAL ORE,<br>INCLUDING SULPHIDE ORE, OR ANY MIXTURE OF IRON<br>...<br>Permit Number: BL7108IM<br>Original Permit Number: JP3631ZK | EPR Reference: -<br>Issue Date: 08/02/2016<br>Effective Date: 08/02/2016<br>Last date noted as effective: 01/04/2018<br>Status: EFFECTIVE |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>EPR/BL7108IM<br>Process: -<br>Permit Number: BL7108IM<br>Original Permit Number: -                                                                                                | EPR Reference: -<br>Issue Date: 08/02/2016<br>Effective Date: 08/02/2016<br>Last date noted as effective: 01/04/2017<br>Status: ISSUED    |
| A  | 220m N   | Operator: RUNTECH LTD<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: -<br>Permit Number: AB3595FF<br>Original Permit Number: WP3132EV                                                                                                                   | EPR Reference: -<br>Issue Date: 29/09/2017<br>Effective Date: 01/10/2017<br>Last date noted as effective: 01/04/2018<br>Status: EFFECTIVE |



| ID | Location | Details                                                                                                                                                                                                                                                        |                                                                                                                                           |
|----|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| A  | 220m N   | Operator: INDUSTRIAL CHEMICALS LIMITED<br>Installation Name: COLD MILL EFFLUENT TREATMENT PLANT<br>Process: DISPOSAL OR RECOVERY OF HAZARDOUS WASTE WITH A CAPACITY EXCEEDING 10 TONNES PER ...<br>Permit Number: AB3192HQ<br>Original Permit Number: JP3631ZK | EPR Reference: -<br>Issue Date: 04/07/2016<br>Effective Date: 04/07/2016<br>Last date noted as effective: 01/04/2018<br>Status: EFFECTIVE |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS EPR/BL7108IM<br>Process: ROASTING OR SINTERING METAL ORE, INCLUDING SULPHIDE ORE, OR ANY MIXTURE OF IRON ...<br>Permit Number: BL7108IM<br>Original Permit Number: JP3631ZK      | EPR Reference: -<br>Issue Date: 08/02/2016<br>Effective Date: 08/02/2016<br>Last date noted as effective: 01/04/2018<br>Status: EFFECTIVE |
| A  | 220m N   | Operator: HARSCO METALS GROUP LTD<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OR NON-HAZARDOUS WASTE WITH A CAPACIT...<br>Permit Number: BP3635MR<br>Original Permit Number: WP3132EV                 | EPR Reference: -<br>Issue Date: 02/03/2016<br>Effective Date: 02/03/2016<br>Last date noted as effective: 01/04/2018<br>Status: EFFECTIVE |
| A  | 220m N   | Operator: HARSCO METALS GROUP LTD<br>Installation Name: PORT TALBOT STEEL WORKS<br>Process: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OR NON-HAZARDOUS WASTE WITH A CAPACIT...<br>Permit Number: BP3635MR<br>Original Permit Number: WP3132EV                 | EPR Reference: -<br>Issue Date: 02/03/2016<br>Effective Date: 02/03/2016<br>Last date noted as effective: 01/04/2018<br>Status: EFFECTIVE |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS EPR/BL7108IM<br>Process: ROASTING OR SINTERING METAL ORE, INCLUDING SULPHIDE ORE, OR ANY MIXTURE OF IRON ...<br>Permit Number: BL7108IM<br>Original Permit Number: JP3631ZK      | EPR Reference: -<br>Issue Date: 08/02/2016<br>Effective Date: 08/02/2016<br>Last date noted as effective: 01/04/2018<br>Status: EFFECTIVE |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS EPR/BL7108IM<br>Process: ROASTING OR SINTERING METAL ORE, INCLUDING SULPHIDE ORE, OR ANY MIXTURE OF IRON ...<br>Permit Number: BL7108IM<br>Original Permit Number: JP3631ZK      | EPR Reference: -<br>Issue Date: 08/02/2016<br>Effective Date: 08/02/2016<br>Last date noted as effective: 01/04/2018<br>Status: EFFECTIVE |



| ID | Location | Details                                                                                                                                                                                                                                                            |                                                                                                                                           |
|----|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>EPR/BL7108IM<br>Process: ROASTING OR SINTERING METAL ORE,<br>INCLUDING SULPHIDE ORE, OR ANY MIXTURE OF IRON<br>...<br>Permit Number: BL7108IM<br>Original Permit Number: JP3631ZK | EPR Reference: -<br>Issue Date: 08/02/2016<br>Effective Date: 08/02/2016<br>Last date noted as effective: 01/04/2018<br>Status: EFFECTIVE |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>EPR/BL7108IM<br>Process: ROASTING OR SINTERING METAL ORE,<br>INCLUDING SULPHIDE ORE, OR ANY MIXTURE OF IRON<br>...<br>Permit Number: BL7108IM<br>Original Permit Number: JP3631ZK | EPR Reference: -<br>Issue Date: 08/02/2016<br>Effective Date: 08/02/2016<br>Last date noted as effective: 01/04/2018<br>Status: EFFECTIVE |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>EPR/BL7108IM<br>Process: ROASTING OR SINTERING METAL ORE,<br>INCLUDING SULPHIDE ORE, OR ANY MIXTURE OF IRON<br>...<br>Permit Number: BL7108IM<br>Original Permit Number: JP3631ZK | EPR Reference: -<br>Issue Date: 08/02/2016<br>Effective Date: 08/02/2016<br>Last date noted as effective: 01/04/2018<br>Status: EFFECTIVE |
| A  | 220m N   | Operator: TATA STEEL UK LIMITED<br>Installation Name: PORT TALBOT STEEL WORKS<br>EPR/BL7108IM<br>Process: ROASTING OR SINTERING METAL ORE,<br>INCLUDING SULPHIDE ORE, OR ANY MIXTURE OF IRON<br>...<br>Permit Number: BL7108IM<br>Original Permit Number: JP3631ZK | EPR Reference: -<br>Issue Date: 08/02/2016<br>Effective Date: 08/02/2016<br>Last date noted as effective: 01/04/2018<br>Status: EFFECTIVE |
| 13 | 432m E   | Operator: Tata Steel<br>Installation Name: Cold Mill Effluent Treatment Plant<br>Process: -<br>Permit Number: AB3192HQ<br>Original Permit Number: -                                                                                                                | EPR Reference: -<br>Issue Date: 20/11/2023<br>Effective Date: 20/11/2023<br>Last date noted as effective: 02/04/2024<br>Status: Effective |

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 4.11 Licensed pollutant release (Part A(2)/B)

Records within 500m

0

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

*This data is sourced from Local Authority records.*

## 4.12 Radioactive Substance Authorisations

Records within 500m

5

Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

Features are displayed on the Current industrial land use map on [page 41 >](#)

| ID | Location | Address                                                             | Details                                                                                                                                           |                                                                                                  |
|----|----------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| A  | 220m N   | Corus Uk Ltd, Strip Products, Port Talbot, West Glamorgan, SA13 2NG | Operator: Corus Uk Ltd<br>Type: Disposal Of Radioactive Waste (was Rsa60 Section 6).<br>Permission number: BA6321<br>Date of approval: 01/06/1998 | Effective from: 01/06/1998<br>Last date of update: 01/01/2015<br>Status: Superseded By Variation |
| A  | 220m N   | Corus Uk Ltd, Strip Products, Port Talbot, West Glamorgan, SA13 2NG | Operator: Corus Uk Ltd<br>Type: Disposal Of Radioactive Waste (was Rsa60 Section 6).<br>Permission number: BA6321<br>Date of approval: 26/06/2000 | Effective from: 21/07/2000<br>Last date of update: 01/01/2015<br>Status: Superseded By Variation |
| A  | 220m N   | Corus Uk Ltd, Strip Products, Port Talbot, West Glamorgan, SA13 2NG | Operator: Corus Uk Ltd<br>Type: Disposal Of Radioactive Waste (was Rsa60 Section 6).<br>Permission number: BA6321<br>Date of approval: 01/02/2002 | Effective from: 01/02/2002<br>Last date of update: 01/01/2015<br>Status: Superseded By Variation |
| A  | 220m N   | Corus Uk Ltd, Strip Products, Port Talbot, West Glamorgan, SA13 2NG | Operator: Corus Uk Ltd<br>Type: Disposal Of Radioactive Waste (was Rsa60 Section 6).<br>Permission number: BA6321<br>Date of approval: 01/12/2003 | Effective from: 01/01/2004<br>Last date of update: 01/01/2015<br>Status: Superseded By Variation |
| A  | 220m N   | Corus Uk Ltd, Strip Products, Port Talbot, West Glamorgan, SA13 2NG | Operator: Corus Uk Ltd<br>Type: Disposal Of Radioactive Waste (was Rsa60 Section 6).<br>Permission number: BA6321<br>Date of approval: 14/11/2008 | Effective from: 12/12/2008<br>Last date of update: 01/01/2015<br>Status: Revoked/cancelled       |

*This data is sourced from the Environment Agency and Natural Resources Wales.*



#### 4.13 Licensed Discharges to controlled waters

**Records within 500m****0**

Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

#### 4.14 Pollutant release to surface waters (Red List)

**Records within 500m****0**

Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

#### 4.15 Pollutant release to public sewer

**Records within 500m****0**

Discharges of Special Category Effluents to the public sewer.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

#### 4.16 List 1 Dangerous Substances

**Records within 500m****0**

Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

#### 4.17 List 2 Dangerous Substances

**Records within 500m****0**

Discharges of substances identified on List II of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 4.18 Pollution Incidents (EA/NRW)

### Records within 500m

**17**

Records of substantiated pollution incidents. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents.

Features are displayed on the Current industrial land use map on [page 41](#) >

| ID | Location | Details                                                                                                                                       |                                                                                                                   |
|----|----------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| 10 | 241m NE  | Incident Date: 24/03/2003<br>Incident Identification: 145304<br>Pollutant: Atmospheric Pollutants and Effects<br>Pollutant Description: Dust  | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 3 (Minor)<br>Air Impact: Category 3 (Minor)         |
| 11 | 303m N   | Incident Date: 16/03/2002<br>Incident Identification: 64445<br>Pollutant: Atmospheric Pollutants and Effects<br>Pollutant Description: Smoke  | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 3 (Minor)     |
| 12 | 395m W   | Incident Date: 10/08/2001<br>Incident Identification: 23475<br>Pollutant: Specific Waste Materials<br>Pollutant Description: Asbestos         | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 4 (No Impact) |
| C  | 411m NE  | Incident Date: 29/07/2002<br>Incident Identification: 95260<br>Pollutant: Oils and Fuel<br>Pollutant Description: Gas and Fuel Oils           | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 4 (No Impact) |
| C  | 411m NE  | Incident Date: 29/07/2002<br>Incident Identification: 95260<br>Pollutant: Oils and Fuel<br>Pollutant Description: Gas and Fuel Oils           | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 4 (No Impact) |
| D  | 428m NE  | Incident Date: 13/08/2003<br>Incident Identification: 181885<br>Pollutant: Atmospheric Pollutants and Effects<br>Pollutant Description: Smoke | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 3 (Minor)     |
| D  | 432m NE  | Incident Date: 24/04/2003<br>Incident Identification: 153701<br>Pollutant: Contaminated Water<br>Pollutant Description: Backwash Effluent     | Water Impact: Category 3 (Minor)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 4 (No Impact)     |
| 14 | 439m N   | Incident Date: 28/04/2001<br>Incident Identification: 3732<br>Pollutant: Atmospheric Pollutants and Effects<br>Pollutant Description: Smoke   | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 4 (No Impact) |



| ID | Location | Details                                                                                                                                       |                                                                                                               |
|----|----------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| E  | 450m NE  | Incident Date: 05/06/2003<br>Incident Identification: 163461<br>Pollutant: Atmospheric Pollutants and Effects<br>Pollutant Description: Dust  | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 3 (Minor)<br>Air Impact: Category 3 (Minor)     |
| E  | 460m NE  | Incident Date: 09/10/2001<br>Incident Identification: 35394<br>Pollutant: Atmospheric Pollutants and Effects<br>Pollutant Description: Fumes  | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 3 (Minor) |
| D  | 464m NE  | Incident Date: 26/08/2003<br>Incident Identification: 185124<br>Pollutant: Atmospheric Pollutants and Effects<br>Pollutant Description: Smoke | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 3 (Minor) |
| E  | 474m NE  | Incident Date: 26/05/2003<br>Incident Identification: 160773<br>Pollutant: Atmospheric Pollutants and Effects<br>Pollutant Description: Smoke | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 3 (Minor) |
| E  | 475m NE  | Incident Date: 04/02/2003<br>Incident Identification: 134884<br>Pollutant: Atmospheric Pollutants and Effects<br>Pollutant Description: Smoke | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 3 (Minor) |
| F  | 480m N   | Incident Date: 20/06/2003<br>Incident Identification: 167471<br>Pollutant: Atmospheric Pollutants and Effects<br>Pollutant Description: Dust  | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 3 (Minor) |
| G  | 497m E   | Incident Date: 07/03/2003<br>Incident Identification: 141848<br>Pollutant: Pollutant Not Identified<br>Pollutant Description: Not Identified  | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 3 (Minor) |
| G  | 497m E   | Incident Date: 07/03/2003<br>Incident Identification: 141848<br>Pollutant: Pollutant Not Identified<br>Pollutant Description: Not Identified  | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 3 (Minor) |
| F  | 499m N   | Incident Date: 20/06/2003<br>Incident Identification: 167479<br>Pollutant: Atmospheric Pollutants and Effects<br>Pollutant Description: Dust  | Water Impact: Category 4 (No Impact)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 3 (Minor) |

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 4.19 Pollution inventory substances

Records within 500m

0

The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

*This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.*

## 4.20 Pollution inventory waste transfers

Records within 500m

0

The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. A reporting threshold for each waste type is also included. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

*This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.*

## 4.21 Pollution inventory radioactive waste

Records within 500m

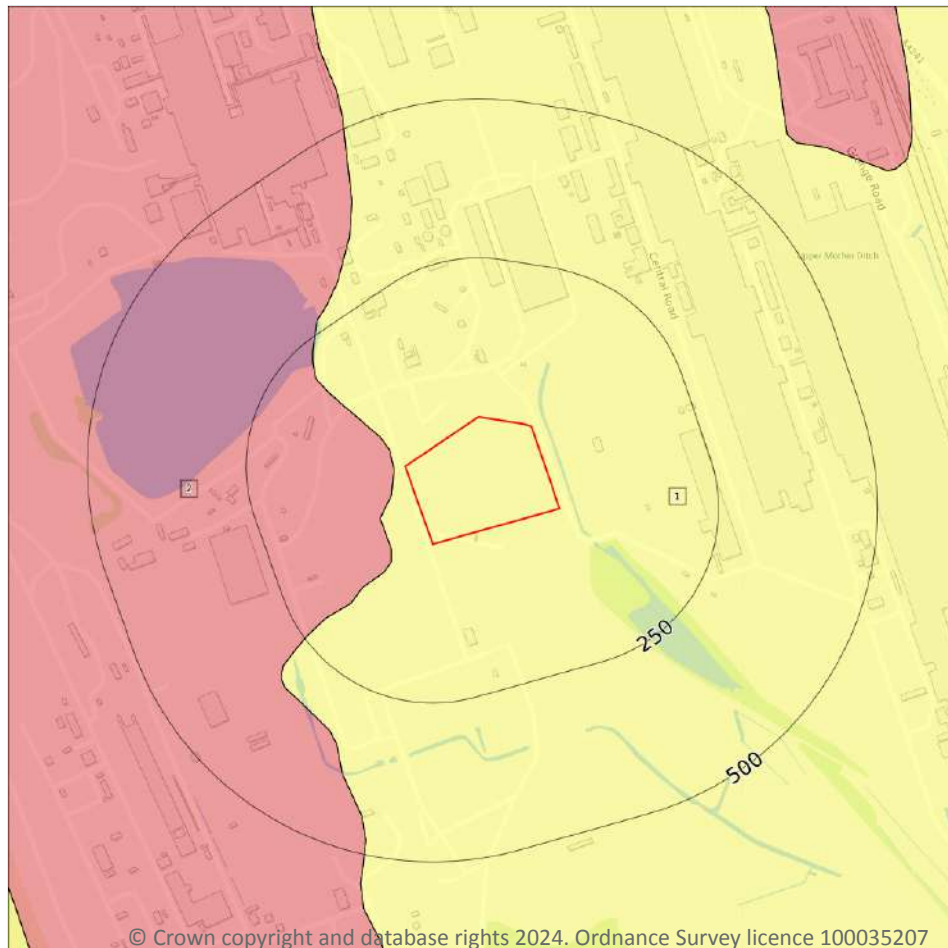
0

The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

*This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.*



## 5 Hydrogeology - Superficial aquifer



— Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive
- Unknown

### 5.1 Superficial aquifer

Records within 500m

2

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 79 >](#)

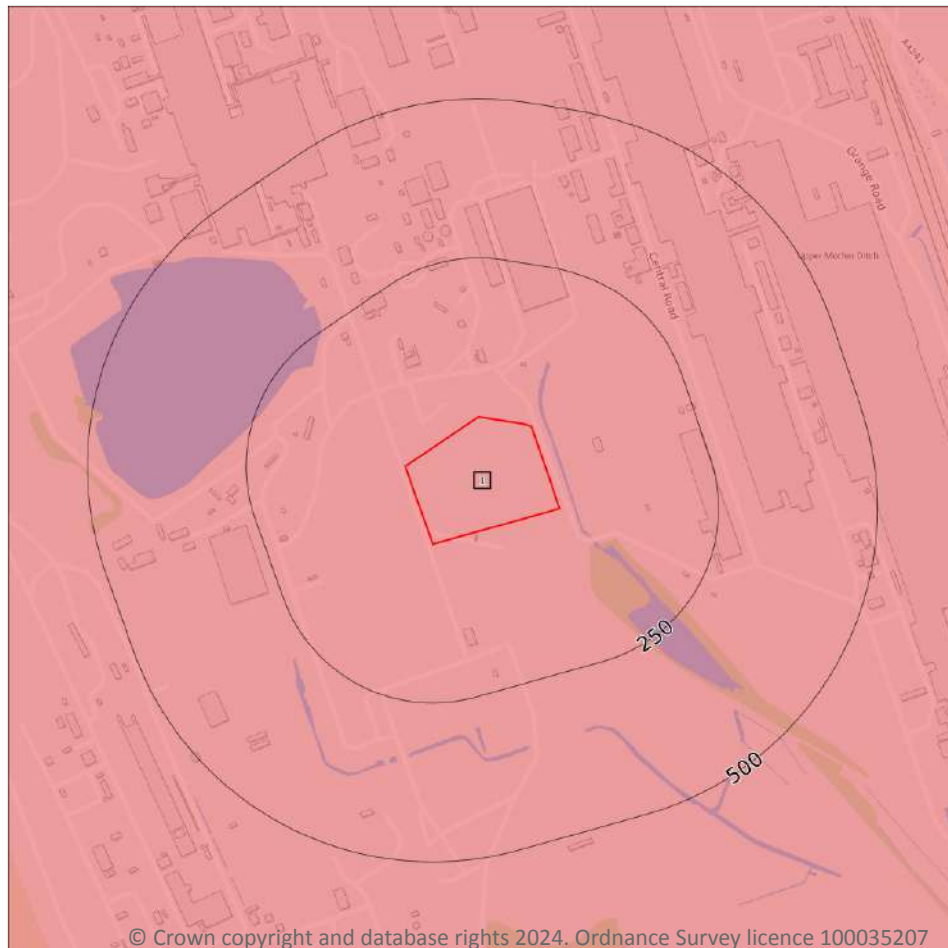
| ID | Location | Designation                | Description                                                                                                                                                                                                                                             |
|----|----------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | On site  | Secondary Undifferentiated | Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type |
| 2  | 18m W    | Secondary A                | 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                  |



*This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.*



## Bedrock aquifer



— Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive

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### 5.2 Bedrock aquifer

Records within 500m

1

Aquifer status of groundwater held within bedrock geology.

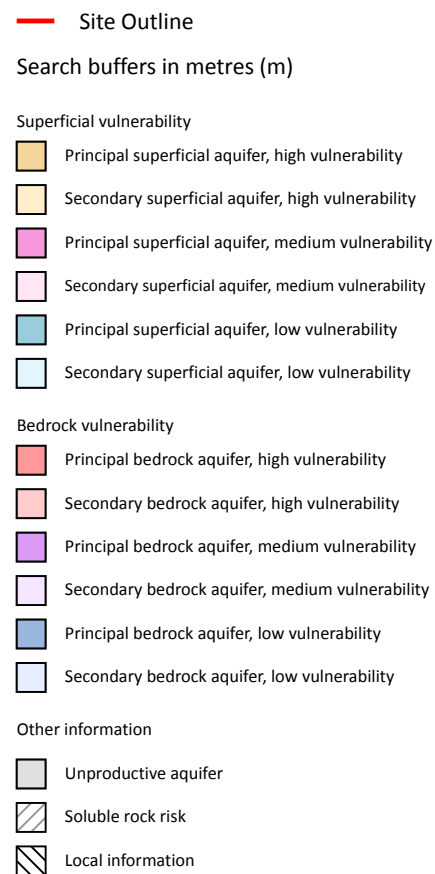
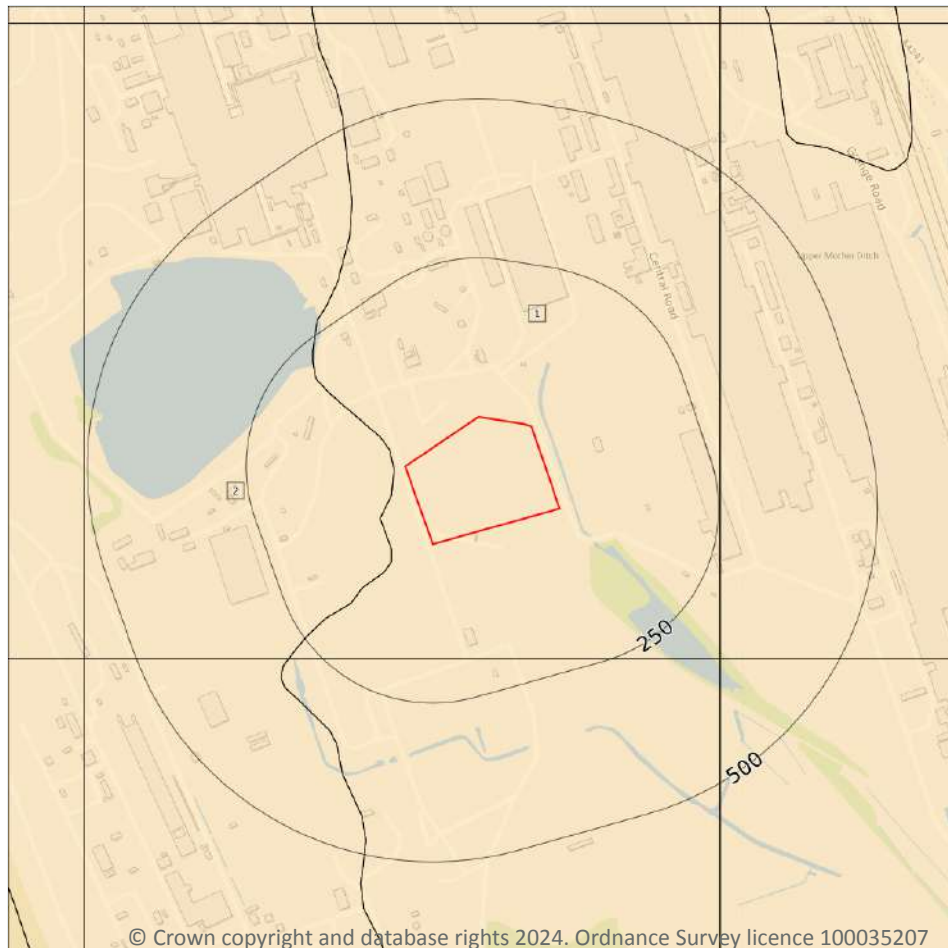
Features are displayed on the Bedrock aquifer map on [page 81](#) >

| ID | Location | Designation | Description                                                                                                                                                                                                                            |
|----|----------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | On site  | Secondary A | 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 |

*This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.*



## Groundwater vulnerability



### 5.3 Groundwater vulnerability

#### Records within 50m

2

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid. Groundwater vulnerability is described as High, Medium or Low as follows:

- High - Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
- Medium - Intermediate between high and low vulnerability.
- Low - Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Features are displayed on the Groundwater vulnerability map on [page 82](#) >



| ID | Location | Summary                                                                                                                                                                                        | Soil / surface                                                                                             | Superficial geology                                                                                                                                        | Bedrock geology                                                                                                      |
|----|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| 1  | On site  | <b>Summary Classification:</b><br>Secondary superficial aquifer<br>- High Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial<br>Aquifer | <b>Leaching class:</b> High<br><b>Infiltration value:</b><br>>70%<br><b>Dilution value:</b><br>>550mm/year | <b>Vulnerability:</b> High<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> High | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b><br>Secondary<br><b>Flow mechanism:</b> Well<br>connected fractures |
| 2  | 18m W    | <b>Summary Classification:</b><br>Secondary superficial aquifer<br>- High Vulnerability<br><b>Combined classification:</b><br>Productive Bedrock Aquifer,<br>Productive Superficial<br>Aquifer | <b>Leaching class:</b> High<br><b>Infiltration value:</b><br>>70%<br><b>Dilution value:</b><br>>550mm/year | <b>Vulnerability:</b> High<br><b>Aquifer type:</b> Secondary<br><b>Thickness:</b> >10m<br><b>Patchiness value:</b> >90%<br><b>Recharge potential:</b> High | <b>Vulnerability:</b> Low<br><b>Aquifer type:</b> Secondary<br><b>Flow mechanism:</b> Well<br>connected fractures    |

*This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.*

## 5.4 Groundwater vulnerability- soluble rock risk

|                        |          |
|------------------------|----------|
| <b>Records on site</b> | <b>0</b> |
|------------------------|----------|

This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

*This data is sourced from the British Geological Survey and the Environment Agency.*

## 5.5 Groundwater vulnerability- local information

|                        |          |
|------------------------|----------|
| <b>Records on site</b> | <b>0</b> |
|------------------------|----------|

This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on [enquiries@environment-agency.gov.uk](mailto:enquiries@environment-agency.gov.uk) ↗.

*This data is sourced from the British Geological Survey and the Environment Agency.*



## Abstractions and Source Protection Zones



- Site Outline
- Search buffers in metres (m)
- Source Protection Zone 1  
Inner catchment
- Source Protection Zone 2  
Outer catchment
- Source Protection Zone 3  
Total catchment
- Source Protection Zone 4  
Zone of Special Interest
- Source Protection Zone 1c  
Inner catchment - confined aquifer
- Source Protection Zone 2c  
Outer catchment - confined aquifer
- Source Protection Zone 3c  
Total catchment - confined aquifer
- Drinking water abstraction licences  
Point features
- Drinking water abstraction licences  
Polygon features
- Drinking water abstraction licences  
Linear features
- Groundwater abstraction licence (point)
- Groundwater abstraction licence (area)
- Groundwater abstraction licence (linear)
- Surface Water Abstractions (point)
- Surface Water Abstractions (area)
- Surface Water Abstractions (linear)

### 5.6 Groundwater abstractions

Records within 2000m

4

Licensed groundwater abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, between two points (line data) or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on [page 84](#) >

| ID | Location | Details                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                          |
|----|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| -  | 1275m SE | Status: Active<br>Licence No: 21/58/34/0003<br>Details: Evaporative Cooling - High<br>Direct Source: Superficial Gravels<br>Point: -<br>Data Type: Point<br>Name: -<br>Easting: 278900<br>Northing: 185690                           | Annual Volume (m <sup>3</sup> ): 183960<br>Max Daily Volume (m <sup>3</sup> ): 501.6<br>Original Application No: -<br>Original Start Date: 01/04/2017<br>Expiry Date: 31/03/2029<br>Issue No: -<br>Version Start Date: -<br>Version End Date: -          |
| -  | 1275m SE | Status: Historical<br>Licence No: 21/58/34/0003<br>Details: Evaporative Cooling<br>Direct Source: EAW Groundwater<br>Point: BOREHOLE 1 AT BOC MARGAM<br>Data Type: Point<br>Name: BOC Limited<br>Easting: 278900<br>Northing: 185690 | Annual Volume (m <sup>3</sup> ): 183960<br>Max Daily Volume (m <sup>3</sup> ): 501.6<br>Original Application No: -<br>Original Start Date: 16/01/2009<br>Expiry Date: 31/03/2017<br>Issue No: 1<br>Version Start Date: 16/01/2009<br>Version End Date: - |
| -  | 1384m E  | Status: Active<br>Licence No: 21/58/34/0003<br>Details: Evaporative Cooling - High<br>Direct Source: Superficial Gravels<br>Point: -<br>Data Type: Point<br>Name: -<br>Easting: 279040<br>Northing: 185740                           | Annual Volume (m <sup>3</sup> ): 0<br>Max Daily Volume (m <sup>3</sup> ): 501.6<br>Original Application No: -<br>Original Start Date: 01/04/2017<br>Expiry Date: 31/03/2029<br>Issue No: -<br>Version Start Date: -<br>Version End Date: -               |
| -  | 1384m E  | Status: Historical<br>Licence No: 21/58/34/0003<br>Details: Evaporative Cooling<br>Direct Source: EAW Groundwater<br>Point: BOREHOLE 2 AT BOC MARGAM<br>Data Type: Point<br>Name: BOC Limited<br>Easting: 279040<br>Northing: 185740 | Annual Volume (m <sup>3</sup> ): 183960<br>Max Daily Volume (m <sup>3</sup> ): 501.6<br>Original Application No: -<br>Original Start Date: 16/01/2009<br>Expiry Date: 31/03/2017<br>Issue No: 1<br>Version Start Date: 16/01/2009<br>Version End Date: - |

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 5.7 Surface water abstractions

### Records within 2000m

**7**

Licensed surface water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on [page 84](#) >



| ID | Location | Details                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                      |
|----|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A  | 98m NE   | Status: Active<br>Licence No: 21/58/34/0002<br>Details: Evaporative Cooling - High<br>Direct Source: -<br>Point: -<br>Data Type: Point<br>Name: -<br>Easting: 277730<br>Northing: 186460                                                                                   | Annual Volume (m <sup>3</sup> ): 1227420<br>Max Daily Volume (m <sup>3</sup> ): 3364.04<br>Original Application No: -<br>Original Start Date: 12/11/2010<br>Expiry Date: -<br>Issue No: -<br>Version Start Date: -<br>Version End Date: -            |
| A  | 98m NE   | Status: Active<br>Licence No: 21/58/34/0002<br>Details: Process Water - Medium<br>Direct Source: -<br>Point: -<br>Data Type: Point<br>Name: -<br>Easting: 277730<br>Northing: 186460                                                                                       | Annual Volume (m <sup>3</sup> ): 1227420<br>Max Daily Volume (m <sup>3</sup> ): 3364<br>Original Application No: -<br>Original Start Date: 12/11/2010<br>Expiry Date: -<br>Issue No: -<br>Version Start Date: -<br>Version End Date: -               |
| A  | 98m NE   | Status: Historical<br>Licence No: 21/58/34/0002<br>Details: Process Water - Medium<br>Direct Source: -<br>Point: -<br>Data Type: Point<br>Name: -<br>Easting: 277730<br>Northing: 186460                                                                                   | Annual Volume (m <sup>3</sup> ): 1227420<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 12/11/2010<br>Expiry Date: -<br>Issue No: -<br>Version Start Date: -<br>Version End Date: -                  |
| A  | 98m NE   | Status: Historical<br>Licence No: 21/58/34/0002<br>Details: Evaporative Cooling - High<br>Direct Source: -<br>Point: -<br>Data Type: Point<br>Name: -<br>Easting: 277730<br>Northing: 186460                                                                               | Annual Volume (m <sup>3</sup> ): 1227420<br>Max Daily Volume (m <sup>3</sup> ): -<br>Original Application No: -<br>Original Start Date: 12/11/2010<br>Expiry Date: -<br>Issue No: -<br>Version Start Date: -<br>Version End Date: -                  |
| A  | 98m NE   | Status: Historical<br>Licence No: 21/58/34/0002<br>Details: Process Water<br>Direct Source: EAW Surface Water<br>Point: DITCH PASSING THROUGH ABBEY WORKS (MOTHER DITCH POINT B)<br>Data Type: Point<br>Name: Tata Steel UK Limited<br>Easting: 277730<br>Northing: 186460 | Annual Volume (m <sup>3</sup> ): 1227420<br>Max Daily Volume (m <sup>3</sup> ): 3364.04<br>Original Application No: -<br>Original Start Date: 25/03/1966<br>Expiry Date: -<br>Issue No: 101<br>Version Start Date: 12/11/2010<br>Version End Date: - |



| ID | Location | Details                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                       |
|----|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A  | 98m NE   | Status: Historical<br>Licence No: 21/58/34/0002<br>Details: Evaporative Cooling<br>Direct Source: EAW Surface Water<br>Point: DITCH PASSING THROUGH ABBEY WORKS (MOTHER DITCH POINT B)<br>Data Type: Point<br>Name: Tata Steel UK Limited<br>Easting: 277730<br>Northing: 186460 | Annual Volume (m <sup>3</sup> ): 1227420<br>Max Daily Volume (m <sup>3</sup> ): 3364.04<br>Original Application No: -<br>Original Start Date: 25/03/1966<br>Expiry Date: -<br>Issue No: 101<br>Version Start Date: 12/11/2010<br>Version End Date: -  |
| -  | 1307m N  | Status: Historical<br>Licence No: WA/058/0034/001<br>Details: Dust Suppression<br>Direct Source: EAW Surface Water<br>Point: ARNALLT CULVERT-BROOK PORT TALBOT<br>Data Type: Point<br>Name: Costain Limited<br>Easting: 277820<br>Northing: 187673                               | Annual Volume (m <sup>3</sup> ): 36800<br>Max Daily Volume (m <sup>3</sup> ): 200<br>Original Application No: -<br>Original Start Date: 05/08/2011<br>Expiry Date: 31/12/2014<br>Issue No: 1<br>Version Start Date: 05/08/2011<br>Version End Date: - |

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 5.8 Potable abstractions

### Records within 2000m

0

Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 5.9 Source Protection Zones

### Records within 500m

0

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 5.10 Source Protection Zones (confined aquifer)

Records within 500m

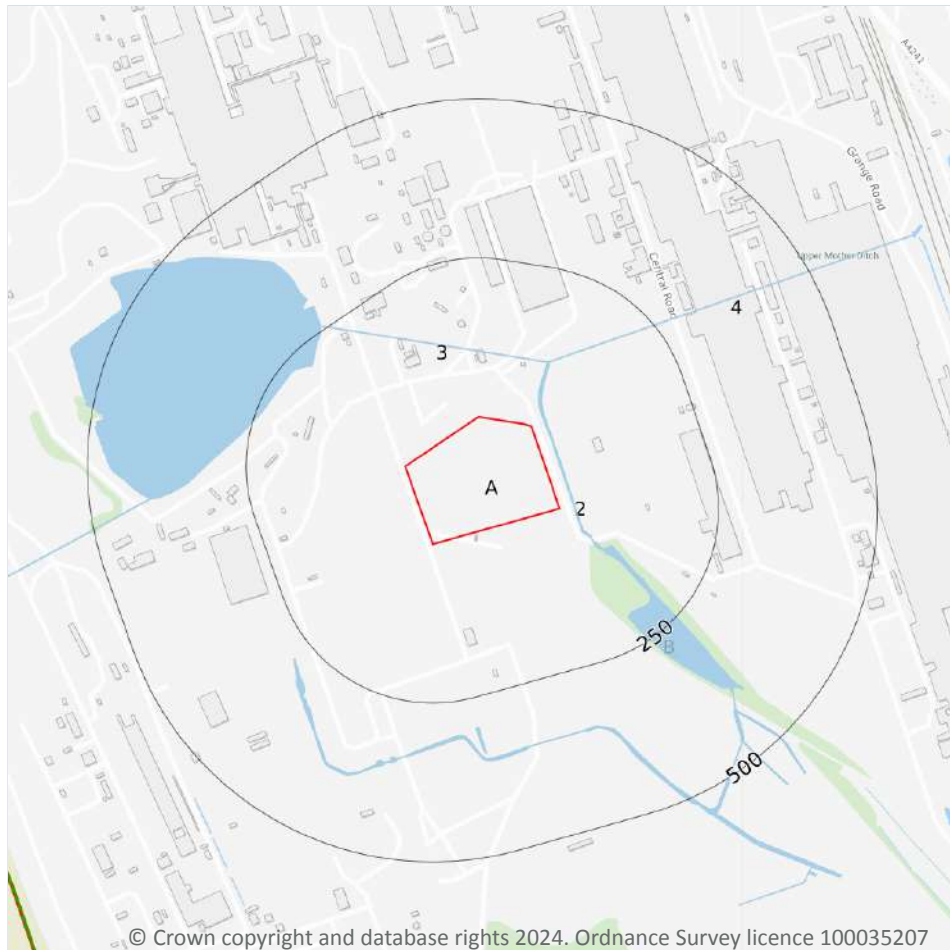
0

Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 6 Hydrology



- Site Outline
- Search buffers in metres (m)
- Water Network (OS MasterMap)
- Surface water features (wider than 5m)
- Surface water features (narrower than 5m)
- WFD River, canal and surface water transfer water bodies
- WFD Lake water bodies
- WFD Transitional and coastal water bodies
- WFD Surface water body catchments boundaries
- WFD Groundwater body boundaries

### 6.1 Water Network (OS MasterMap)

Records within 250m

5

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

Features are displayed on the Hydrology map on [page 89 >](#)

| ID | Location | Type of water feature                               | Ground level      | Permanence                                                      | Name               |
|----|----------|-----------------------------------------------------|-------------------|-----------------------------------------------------------------|--------------------|
| 2  | 22m NE   | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | Lower Mother Ditch |



| ID | Location | Type of water feature                               | Ground level      | Permanence                                                      | Name               |
|----|----------|-----------------------------------------------------|-------------------|-----------------------------------------------------------------|--------------------|
| 3  | 102m NE  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | Upper Mother Ditch |
| 4  | 104m NE  | Inland river not influenced by normal tidal action. | Underground       | Watercourse contains water year round (in normal circumstances) | Upper Mother Ditch |
| B  | 219m SE  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | Lower Mother Ditch |
| B  | 223m SE  | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | Lower Mother Ditch |

*This data is sourced from the Ordnance Survey.*

## 6.2 Surface water features

### Records within 250m

**3**

Covering rivers, streams and lakes (some overlap with OS MasterMap Water Network data in previous section) but additionally covers smaller features such as ponds. Rivers and streams narrower than 5m are represented as a single line. Lakes, ponds and rivers or streams wider than 5m are represented as polygons.

Features are displayed on the Hydrology map on [page 89 >](#)

*This data is sourced from the Ordnance Survey.*

## 6.3 WFD Surface water body catchments

### Records on site

**1**

The Water Framework Directive is an EU-led framework for the protection of inland surface waters, estuaries, coastal waters and groundwater through river basin-level management planning. In terms of surface water, these basins are broken down into smaller units known as management, operational and water body catchments.

Features are displayed on the Hydrology map on [page 89 >](#)

| ID | Location | Type              | Water body catchment             | Water body ID | Operational catchment | Management catchment |
|----|----------|-------------------|----------------------------------|---------------|-----------------------|----------------------|
| A  | On site  | Coastal catchment | Not part of a river WB catchment | 329           | Kenfig                | Tawe to Cadoxton     |

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 6.4 WFD Surface water bodies

### Records identified

**0**

Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 6.5 WFD Groundwater bodies

### Records on site

**1**

Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place.

Features are displayed on the Hydrology map on [page 89 >](#)

| ID | Location | Name                                      | Water body ID  | Overall rating | Chemical rating | Quantitative | Year |
|----|----------|-------------------------------------------|----------------|----------------|-----------------|--------------|------|
| A  | On site  | Swansea<br>Carboniferous Coal<br>Measures | GB41002G201000 | Poor           | Poor            | Good         | 2017 |

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 7 River and coastal flooding

### 7.1 Risk of flooding from rivers and the sea

**Records within 50m****0**

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m within the Risk of Flooding from Rivers and Sea (RoFRaS)/Flood Risk Assessment Wales (FRAW) models. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition. The risk categories for RoFRaS for rivers and the sea and FRAW for rivers are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance). The risk categories for FRAW for the sea are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 200 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 200 chance) or High (greater than or equal to 1 in 30 chance).

*This data is sourced from the Environment Agency and Natural Resources Wales.*

### 7.2 Historical Flood Events

**Records within 250m****0**

Records of historic flooding from rivers, the sea, groundwater and surface water. Records began in 1946 when predecessor bodies started collecting detailed information about flooding incidents, although limited details may be included on flooding incidents prior to this date. Takes into account the presence of defences, structures, and other infrastructure where they existed at the time of flooding, and includes flood extents that may have been affected by overtopping, breaches or blockages.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

### 7.3 Flood Defences

**Records within 250m****0**

Records of flood defences owned, managed or inspected by the Environment Agency and Natural Resources Wales. Flood defences can be structures, buildings or parts of buildings. Typically these are earth banks, stone and concrete walls, or sheet-piling that is used to prevent or control the extent of flooding.

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 7.4 Areas Benefiting from Flood Defences

Records within 250m

0

Areas that would benefit from the presence of flood defences in a 1 in 100 (1%) chance of flooding each year from rivers or 1 in 200 (0.5%) chance of flooding each year from the sea.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 7.5 Flood Storage Areas

Records within 250m

0

Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## River and coastal flooding - Flood Zones

### 7.6 Flood Zone 2

Records within 50m

0

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land between Flood Zone 3 (see next section) and the extent of the flooding from rivers or the sea with a 1 in 1000 (0.1%) chance of flooding each year.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

### 7.7 Flood Zone 3

Records within 50m

0

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 8 Surface water flooding



— Site Outline

Search buffers in metres (m)

1 in 1000 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 250 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 100 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 30 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

### 8.1 Surface water flooding

**Highest risk on site**

**1 in 30 year, 0.1m - 0.3m**

**Highest risk within 50m**

**1 in 30 year, 0.3m - 1.0m**

Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year rainfall events. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though some older ones may flood in a 1 in 5 year rainfall event.

Features are displayed on the Surface water flooding map on [page 95 >](#)

The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

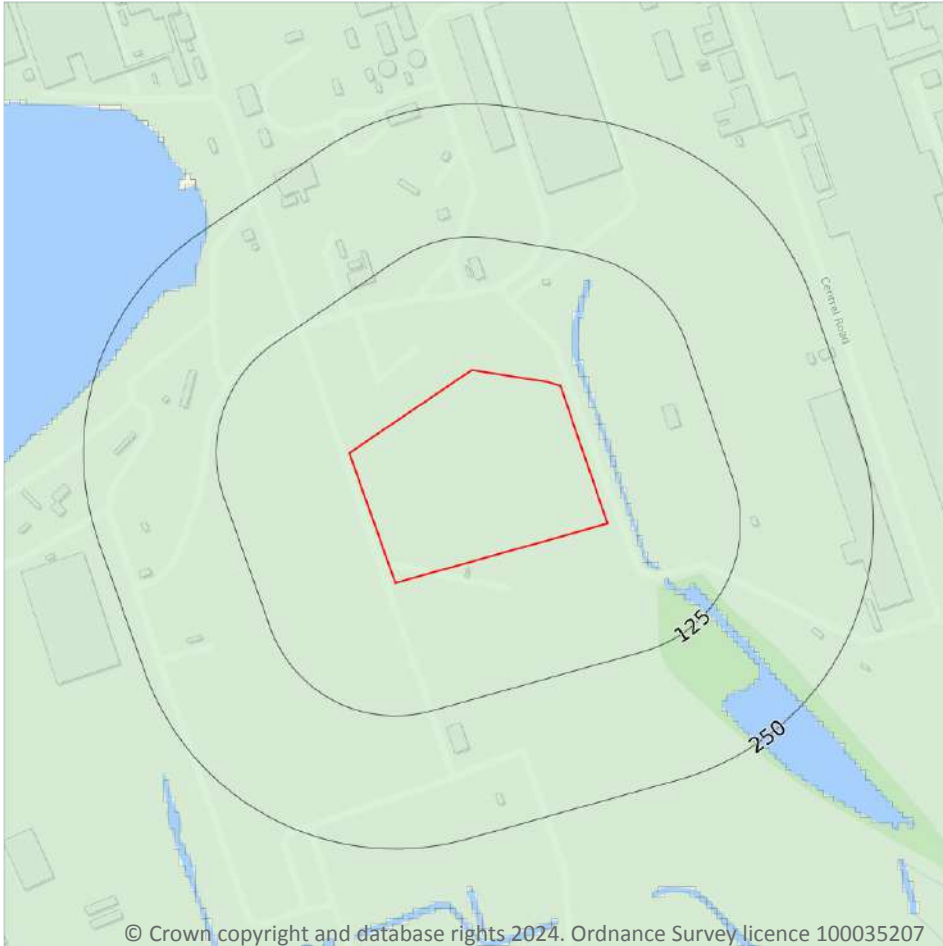
The table below shows the maximum flood depths for a range of return periods for the site.

| Return period  | Maximum modelled depth |
|----------------|------------------------|
| 1 in 1000 year | Between 0.3m and 1.0m  |
| 1 in 250 year  | Between 0.3m and 1.0m  |
| 1 in 100 year  | Between 0.1m and 0.3m  |
| 1 in 30 year   | Between 0.1m and 0.3m  |

*This data is sourced from Ambiantal Risk Analytics.*



## 9 Groundwater flooding



— Site Outline  
Search buffers in metres (m)

- High
- Moderate - High
- Moderate
- Low
- Negligible

### 9.1 Groundwater flooding

Highest risk on site

Low

Highest risk within 50m

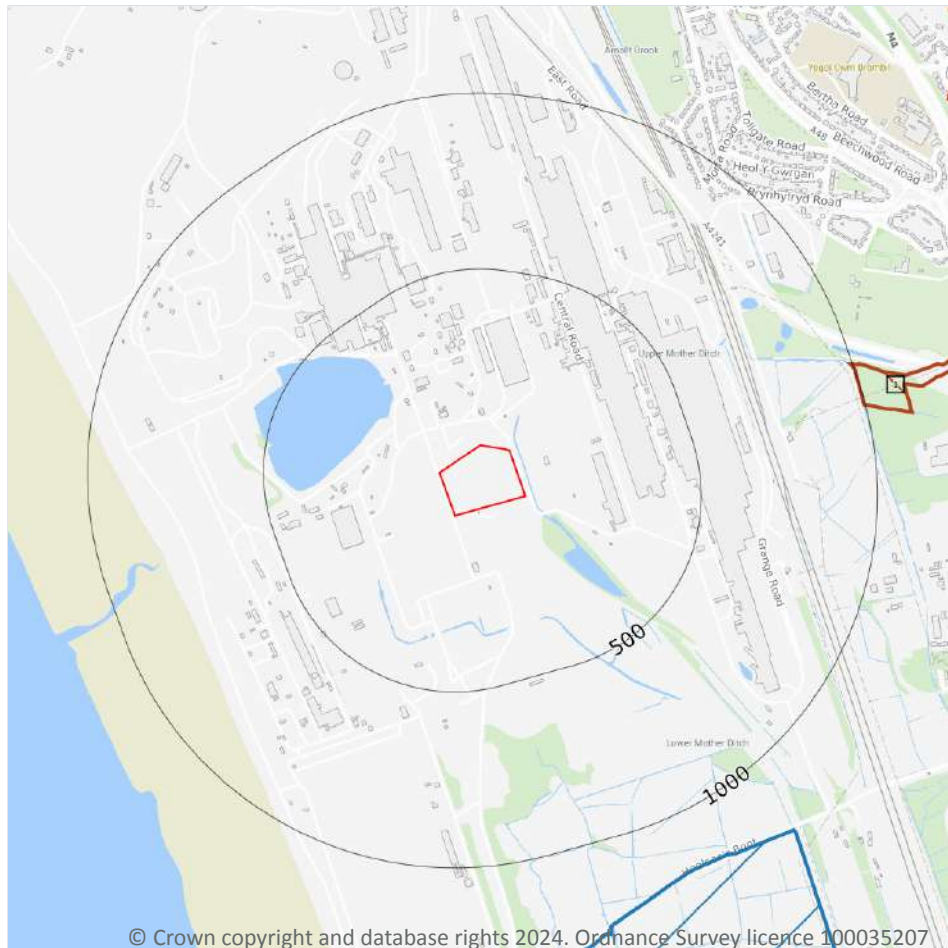
Low

Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on [page 97](#) >

*This data is sourced from Ambiantal Risk Analytics.*

## 10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- Sites of Special Scientific Interest (SSSI)
- Designated Ancient Woodland

### 10.1 Sites of Special Scientific Interest (SSSI)

#### Records within 2000m

2

Sites providing statutory protection for the best examples of UK flora, fauna, or geological or physiographical features. Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs were re-notified under the Wildlife and Countryside Act 1981. Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000 (in England and Wales) and (in Scotland) by the Nature Conservation (Scotland) Act 2004 and the Wildlife and Natural Environment (Scotland) Act 2010.

Features are displayed on the Environmental designations map on [page 98](#) >

| ID | Location | Name         | Data source             |
|----|----------|--------------|-------------------------|
| 2  | 1164m SE | Margam Moors | Natural Resources Wales |



| ID | Location | Name                    | Data source             |
|----|----------|-------------------------|-------------------------|
| 5  | 1515m SE | Eglwys Nunydd Reservoir | Natural Resources Wales |

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.2 Conserved wetland sites (Ramsar sites)

|                             |          |
|-----------------------------|----------|
| <b>Records within 2000m</b> | <b>0</b> |
|-----------------------------|----------|

Ramsar sites are designated under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. They cover all aspects of wetland conservation and wise use, recognizing wetlands as ecosystems that are extremely important for biodiversity conservation in general and for the well-being of human communities. These sites cover a broad definition of wetland; marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, and even some marine areas.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.3 Special Areas of Conservation (SAC)

|                             |          |
|-----------------------------|----------|
| <b>Records within 2000m</b> | <b>0</b> |
|-----------------------------|----------|

Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.4 Special Protection Areas (SPA)

|                             |          |
|-----------------------------|----------|
| <b>Records within 2000m</b> | <b>0</b> |
|-----------------------------|----------|

Sites classified by the UK Government under the EC Birds Directive, SPAs are areas of the most important habitat for rare (listed on Annex I to the Directive) and migratory birds within the European Union.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.5 National Nature Reserves (NNR)

|                             |          |
|-----------------------------|----------|
| <b>Records within 2000m</b> | <b>0</b> |
|-----------------------------|----------|

Sites containing examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. They are managed to conserve their habitats, provide special opportunities for scientific study or to provide public recreation compatible with natural heritage interests.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.6 Local Nature Reserves (LNR)

Records within 2000m

0

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.7 Designated Ancient Woodland

Records within 2000m

22

Ancient woodlands are classified as areas which have been wooded continuously since at least 1600 AD. This includes semi-natural woodland and plantations on ancient woodland sites. 'Wooded continuously' does not mean there is or has previously been continuous tree cover across the whole site, and not all trees within the woodland have to be old.

Features are displayed on the Environmental designations map on [page 98 >](#)

| ID | Location | Name    | Woodland Type                             |
|----|----------|---------|-------------------------------------------|
| 1  | 995m E   | Unknown | Restored Ancient Woodland Site            |
| -  | 1471m NE | Unknown | Ancient Semi Natural Woodland             |
| -  | 1514m E  | Unknown | Ancient Semi Natural Woodland             |
| 6  | 1517m NE | Unknown | Ancient Semi Natural Woodland             |
| -  | 1526m SE | Unknown | Ancient Semi Natural Woodland             |
| -  | 1548m SE | Unknown | Ancient Woodland Site of Unknown Category |
| -  | 1601m NE | Unknown | Plantation on Ancient Woodland Site       |
| C  | 1621m NE | Unknown | Plantation on Ancient Woodland Site       |
| -  | 1631m E  | Unknown | Plantation on Ancient Woodland Site       |
| -  | 1675m NE | Unknown | Ancient Semi Natural Woodland             |
| -  | 1676m NE | Unknown | Plantation on Ancient Woodland Site       |
| -  | 1678m NE | Unknown | Plantation on Ancient Woodland Site       |
| -  | 1679m NE | Unknown | Plantation on Ancient Woodland Site       |
| -  | 1685m NE | Unknown | Ancient Semi Natural Woodland             |
| -  | 1706m NE | Unknown | Ancient Semi Natural Woodland             |
| -  | 1726m NE | Unknown | Ancient Woodland Site of Unknown Category |



| ID | Location | Name    | Woodland Type                       |
|----|----------|---------|-------------------------------------|
| -  | 1741m E  | Unknown | Restored Ancient Woodland Site      |
| -  | 1764m E  | Unknown | Plantation on Ancient Woodland Site |
| 8  | 1774m NE | Unknown | Ancient Semi Natural Woodland       |
| -  | 1879m E  | Unknown | Plantation on Ancient Woodland Site |
| -  | 1905m E  | Unknown | Plantation on Ancient Woodland Site |
| -  | 1994m E  | Unknown | Restored Ancient Woodland Site      |

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.8 Biosphere Reserves

**Records within 2000m**

**0**

Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.9 Forest Parks

**Records within 2000m**

**0**

These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

*This data is sourced from the Forestry Commission.*

## 10.10 Marine Conservation Zones

**Records within 2000m**

**0**

A type of marine nature reserve in UK waters established under the Marine and Coastal Access Act (2009). They are designated with the aim to protect nationally important, rare or threatened habitats and species.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*



### 10.11 Green Belt

Records within 2000m

0

Areas designated to prevent urban sprawl by keeping land permanently open.

*This data is sourced from the Ministry of Housing, Communities and Local Government.*

### 10.12 Proposed Ramsar sites

Records within 2000m

0

Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

*This data is sourced from Natural England.*

### 10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

Special Areas of Conservation are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive. Those sites supplied here are those with a status of 'Possible' having been identified for potential adoption under the framework.

*This data is sourced from Natural England and Natural Resources Wales.*

### 10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

Special Protection Areas (SPAs) are areas designated (or 'classified') under the European Union Wild Birds Directive for the protection of nationally and internationally important populations of wild birds. Those sites supplied here are those with a status of 'Potential' having been identified for potential adoption under the framework.

*This data is sourced from Natural England.*

### 10.15 Nitrate Sensitive Areas

Records within 2000m

0

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was



closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

*This data is sourced from Natural England.*

## 10.16 Nitrate Vulnerable Zones

Records within 2000m

0

Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

*This data is sourced from Natural England and Natural Resources Wales.*



## SSSI Impact Zones and Units

### 10.17 SSSI Impact Risk Zones

Records on site

0

Developed to allow rapid initial assessment of the potential risks to SSSIs posed by development proposals. They define zones around each SSSI which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts.

*This data is sourced from Natural England.*

### 10.18 SSSI Units

Records within 2000m

0

Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

*This data is sourced from Natural England and Natural Resources Wales.*



## 11 Visual and cultural designations

### 11.1 World Heritage Sites

Records within 250m

0

Sites designated for their globally important cultural or natural interest requiring appropriate management and protection measures. World Heritage Sites are designated to meet the UK's commitments under the World Heritage Convention.

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*

### 11.2 Area of Outstanding Natural Beauty

Records within 250m

0

Areas of Outstanding Natural Beauty (AONB) are conservation areas, chosen because they represent 18% of the finest countryside. Each AONB has been designated for special attention because of the quality of their flora, fauna, historical and cultural associations, and/or scenic views. The National Parks and Access to the Countryside Act of 1949 created AONBs and the Countryside and Rights of Way Act, 2000 added further regulation and protection. There are likely to be restrictions to some developments within these areas.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

### 11.3 National Parks

Records within 250m

0

In England and Wales, the purpose of National Parks is to conserve and enhance landscapes within the countryside whilst promoting public enjoyment of them and having regard for the social and economic well-being of those living within them. In Scotland National Parks have the additional purpose of promoting the sustainable use of the natural resources of the area and the sustainable social and economic development of its communities. The National Parks and Access to the Countryside Act 1949 established the National Park designation in England and Wales, and The National Parks (Scotland) Act 2000 in Scotland.

*This data is sourced from Natural England, Natural Resources Wales and the Scottish Government.*

### 11.4 Listed Buildings

Records within 250m

0

Buildings listed for their special architectural or historical interest. Building control in the form of 'listed building consent' is required in order to make any changes to that building which might affect its special interest. Listed buildings are graded to indicate their relative importance, however building controls apply to all buildings equally, irrespective of their grade, and apply to the interior and exterior of the building in its entirety, together with any curtilage structures.



*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*

## 11.5 Conservation Areas

Records within 250m

0

Local planning authorities are obliged to designate as conservation areas any parts of their own area that are of special architectural or historic interest, the character and appearance of which it is desirable to preserve or enhance. Designation of a conservation area gives broader protection than the listing of individual buildings. All the features within the area, listed or otherwise, are recognised as part of its character. Conservation area designation is the means of recognising the importance of all factors and of ensuring that planning decisions address the quality of the landscape in its broadest sense.

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*

## 11.6 Scheduled Ancient Monuments

Records within 250m

0

A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*

## 11.7 Registered Parks and Gardens

Records within 250m

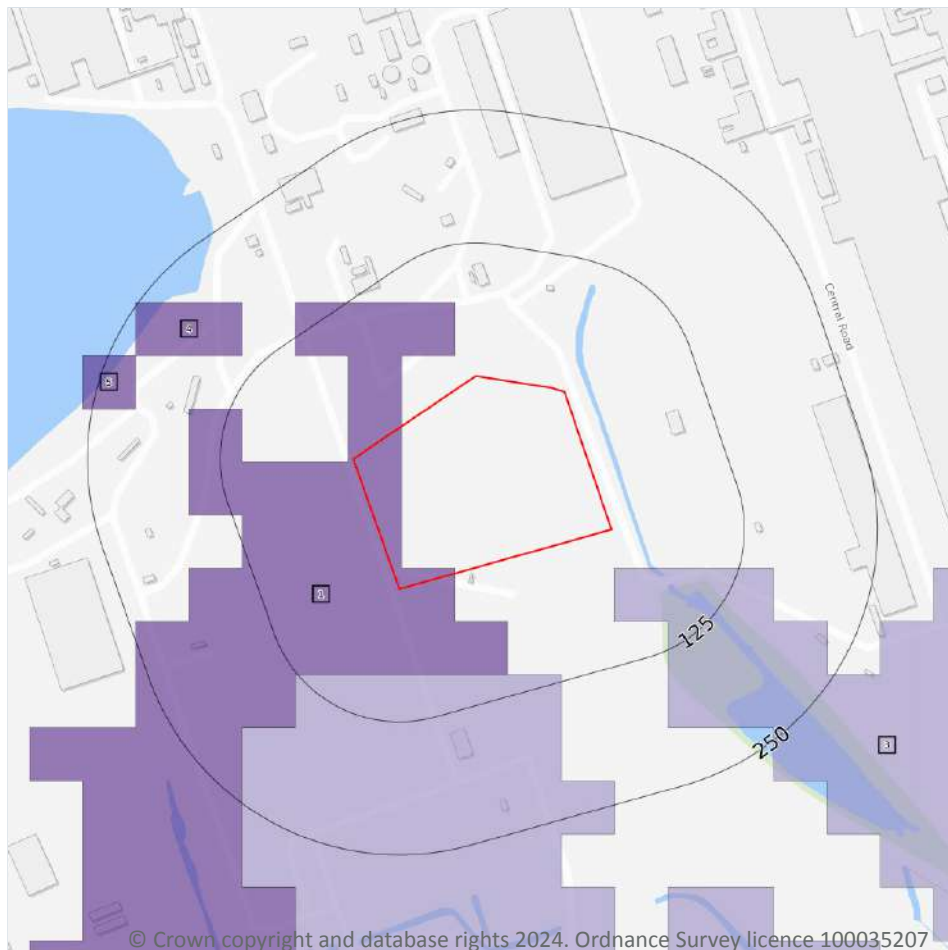
0

Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the impact of any proposed development on the special character of the landscape.

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*



## 12 Agricultural designations



- Site Outline
- Search buffers in metres (m)
- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Timber felling licences
- Open Access land

### 12.1 Agricultural Land Classification

Records within 250m

4

Classification of the quality of agricultural land taking into consideration multiple factors including climate, physical geography and soil properties. It should be noted that the categories for the grading of agricultural land are not consistent across England, Wales and Scotland.

Features are displayed on the Agricultural designations map on [page 107](#) >

| ID | Location | Classification | Description                         |
|----|----------|----------------|-------------------------------------|
| 1  | On site  | Grade 5        | Very poor quality agricultural land |
| 3  | 36m SE   | Grade 4        | Poor quality agricultural land      |
| 4  | 143m NW  | Grade 5        | Very poor quality agricultural land |



| ID | Location | Classification | Description                         |
|----|----------|----------------|-------------------------------------|
| 5  | 210m W   | Grade 5        | Very poor quality agricultural land |

*This data is sourced from Natural Resources Wales.*

## 12.2 Open Access Land

**Records within 250m**

**0**

The Countryside and Rights of Way Act 2000 (CROW Act) gives a public right of access to land without having to use paths. Access land includes mountains, moors, heaths and downs that are privately owned. It also includes common land registered with the local council and some land around the England Coast Path. Generally permitted activities on access land are walking, running, watching wildlife and climbing.

*This data is sourced from Natural England and Natural Resources Wales.*

## 12.3 Tree Felling Licences

**Records within 250m**

**0**

Felling Licence Application (FLA) areas approved by Forestry Commission England. Anyone wishing to fell trees must ensure that a licence or permission under a grant scheme has been issued by the Forestry Commission before any felling is carried out or that one of the exceptions apply.

*This data is sourced from the Forestry Commission.*

## 12.4 Environmental Stewardship Schemes

**Records within 250m**

**0**

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. The schemes identified may be historical schemes that have now expired, or may still be active.

*This data is sourced from Natural England.*

## 12.5 Countryside Stewardship Schemes

**Records within 250m**

**0**

Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

*This data is sourced from Natural England.*



## 13 Habitat designations

### 13.1 Priority Habitat Inventory

Records within 250m

0

Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

*This data is sourced from Natural England.*

### 13.2 Habitat Networks

Records within 250m

0

Habitat networks for 18 priority habitat networks (based primarily, but not exclusively, on the priority habitat inventory) and areas suitable for the expansion of networks through restoration and habitat creation.

*This data is sourced from Natural England.*

### 13.3 Open Mosaic Habitat

Records within 250m

0

Sites verified as Open Mosaic Habitat. Mosaic habitats are brownfield sites that are identified under the UK Biodiversity Action Plan as a priority habitat due to the habitat variation within a single site, supporting an array of invertebrates.

*This data is sourced from Natural England.*

### 13.4 Limestone Pavement Orders

Records within 250m

0

Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable habitats for wildlife. These habitats are threatened due to their removal for use in gardens and water features. Many limestone pavements have been designated as SSSIs which affords them some protection. In addition, Section 34 of the Wildlife and Countryside Act 1981 gave them additional protection via the creation of Limestone Pavement Orders, which made it a criminal offence to remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK Biodiversity Action Plan priority habitat in England.

*This data is sourced from Natural England.*

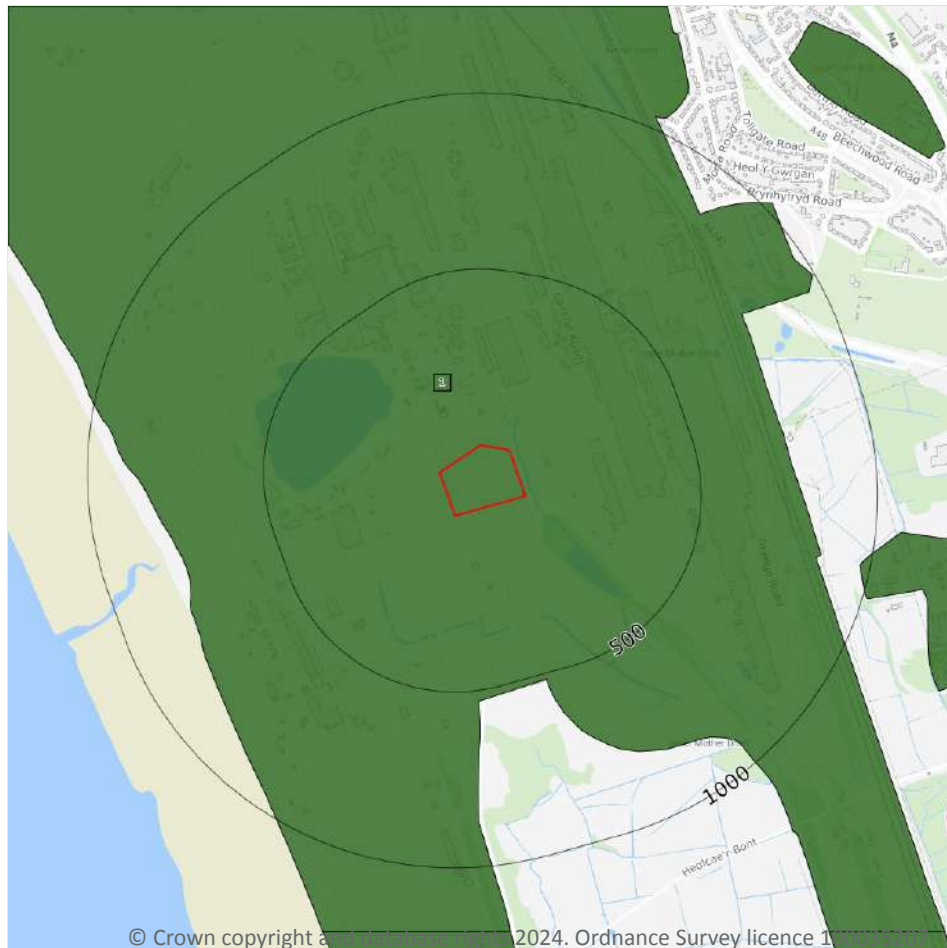


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Full coverage  
 Partial coverage  
 No coverage


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## Geology 1:10,000 scale - Artificial and made ground



- Site Outline**
- Search buffers in metres (m)**
- Reclaimed ground
  - Made ground
  - Worked ground
  - Infilled ground
  - Disturbed ground
  - Landscaped ground

### 14.2 Artificial and made ground (10k)

Records within 500m

1

Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

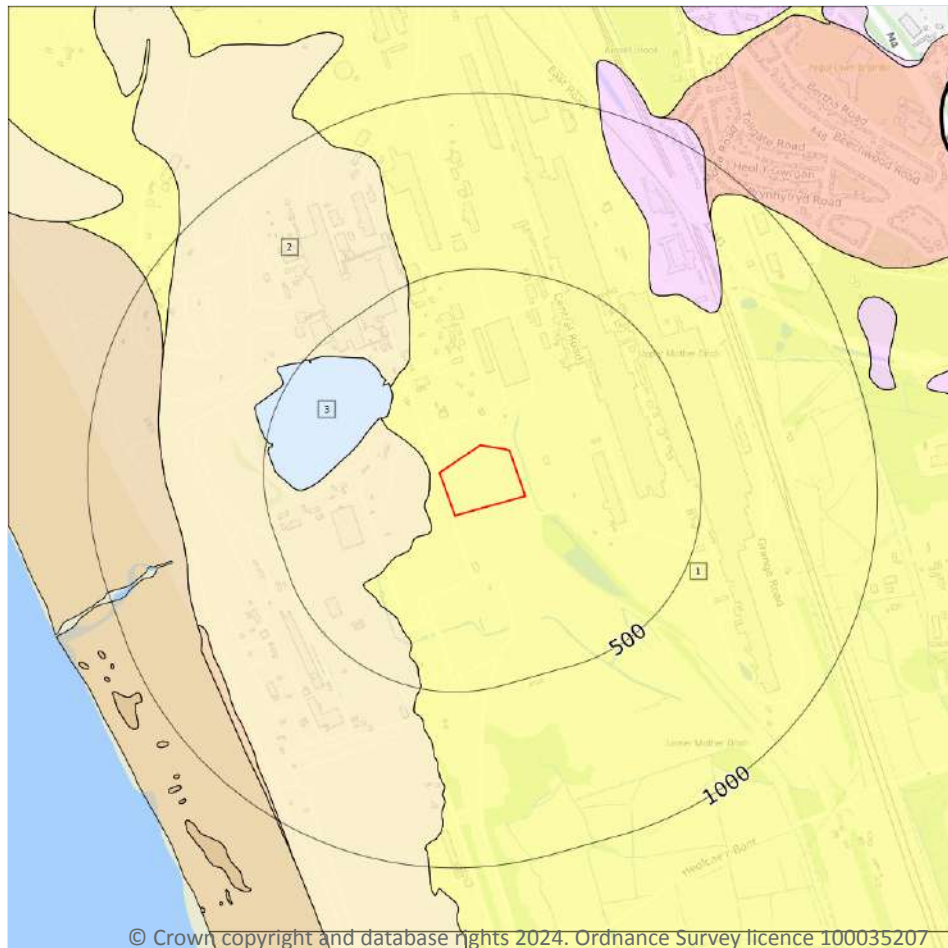
Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on [page 111 >](#)

| ID | Location | LEX Code     | Description                   | Rock description           |
|----|----------|--------------|-------------------------------|----------------------------|
| 1  | On site  | LSGR-UNKNOWN | Landscaped Ground (Undivided) | Unknown/unclassified Entry |

*This data is sourced from the British Geological Survey.*



## Geology 1:10,000 scale - Superficial



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— Site Outline

Search buffers in metres (m)

▨ Landslip (10k)

Superficial geology (10k)  
Please see table for more details.

### 14.3 Superficial geology (10k)

Records within 500m

3

Superficial geological deposits at 1:10,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:10,000 scale - Superficial map on [page 112 >](#)

| ID | Location | LEX Code      | Description                                                                          | Rock description           |
|----|----------|---------------|--------------------------------------------------------------------------------------|----------------------------|
| 1  | On site  | TFD-XCZS      | Tidal Flat Deposits - Clay, Silt And Sand                                            | Clay, Silt And Sand        |
| 2  | 28m W    | BSA-S         | Blown Sand - Sand                                                                    | Sand                       |
| 3  | 218m NW  | SUPNM-UNKNOWN | Superficial Theme Not Mapped [for Digital Map Use Only] - Unknown/unclassified Entry | Unknown/unclassified Entry |



*This data is sourced from the British Geological Survey.*

## 14.4 Landslip (10k)

Records within 500m

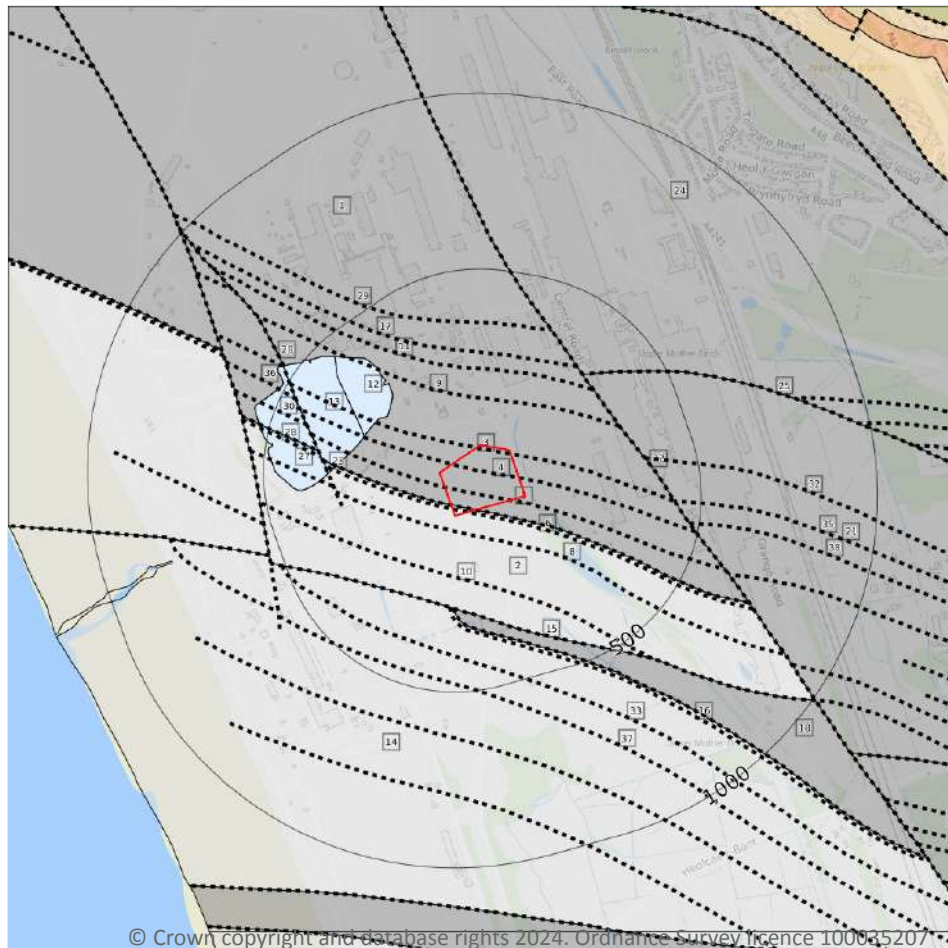
0

Mass movement deposits on BGS geological maps at 1:10,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

*This data is sourced from the British Geological Survey.*



## Geology 1:10,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

.... Bedrock faults and other linear features (10k)

Bedrock geology (10k)  
Please see table for more details.

### 14.5 Bedrock geology (10k)

Records within 500m

11

Bedrock geology at 1:10,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on [page 114](#) >

| ID | Location | LEX Code   | Description                                                                    | Rock age                               |
|----|----------|------------|--------------------------------------------------------------------------------|----------------------------------------|
| 1  | On site  | SWMCM-MDSS | South Wales Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone | Bolsovia Sub-age - Duckmantian Sub-age |
| 2  | On site  | SWLCM-MDSS | South Wales Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone  | Langsettian Sub-age                    |



| ID | Location | LEX Code     | Description                                                                      | Rock age                                |
|----|----------|--------------|----------------------------------------------------------------------------------|-----------------------------------------|
| 12 | 218m NW  | BEDNM-UKNOWN | Bedrock Theme Not Mapped [for Digital Map Use Only] - Unknown/unclassified Entry | No Details                              |
| 13 | 238m W   | BEDNM-UKNOWN | Bedrock Theme Not Mapped [for Digital Map Use Only] - Unknown/unclassified Entry | No Details                              |
| 14 | 253m SW  | SWLCM-MDSS   | South Wales Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone    | Langsettian Sub-age                     |
| 18 | 263m S   | SWMCM-MDSS   | South Wales Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone   | Bolsovian Sub-age - Duckmantian Sub-age |
| 21 | 294m NE  | SWMCM-MDSS   | South Wales Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone   | Bolsovian Sub-age - Duckmantian Sub-age |
| 23 | 295m W   | BEDNM-UKNOWN | Bedrock Theme Not Mapped [for Digital Map Use Only] - Unknown/unclassified Entry | No Details                              |
| 24 | 299m NE  | SWMCM-MDSS   | South Wales Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone   | Bolsovian Sub-age - Duckmantian Sub-age |
| 27 | 317m W   | BEDNM-UKNOWN | Bedrock Theme Not Mapped [for Digital Map Use Only] - Unknown/unclassified Entry | No Details                              |
| 30 | 350m W   | BEDNM-UKNOWN | Bedrock Theme Not Mapped [for Digital Map Use Only] - Unknown/unclassified Entry | No Details                              |

*This data is sourced from the British Geological Survey.*

## 14.6 Bedrock faults and other linear features (10k)

### Records within 500m

**27**

Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on [page 114](#) >

| ID | Location | Category       | Description                                     |
|----|----------|----------------|-------------------------------------------------|
| 3  | On site  | ROCK           | Coal seam, inferred (U 9 FT)                    |
| 4  | On site  | ROCK           | Coal seam, inferred (L 9 FT)                    |
| 5  | On site  | ROCK           | Coal seam, inferred (BUTE)                      |
| 6  | On site  | ROCK           | Coal seam, inferred ( )                         |
| 7  | On site  | FOSSIL_HORIZON | Fossil horizon, marine band (AMMAN MARINE BAND) |
| 8  | 43m SW   | ROCK           | Coal seam, inferred ( )                         |



| ID | Location | Category       | Description                                                             |
|----|----------|----------------|-------------------------------------------------------------------------|
| 9  | 133m N   | ROCK           | Coal seam, inferred (6 FT)                                              |
| 10 | 167m SW  | ROCK           | Coal seam, inferred (M 7 FT)                                            |
| 11 | 217m N   | ROCK           | Coal seam, inferred (L 4 FT)                                            |
| 15 | 253m SW  | FAULT          | Normal fault, inferred                                                  |
| 16 | 261m S   | ROCK           | Coal seam, inferred ()                                                  |
| 17 | 263m N   | ROCK           | Coal seam, inferred (U 4 FT)                                            |
| 19 | 263m S   | FOSSIL_HORIZON | Fossil horizon, marine band (CONJECTURAL POSITION OF AMMAN MARINE BAND) |
| 20 | 291m W   | FAULT          | Normal fault, observed                                                  |
| 22 | 294m NE  | FAULT          | Normal fault, inferred                                                  |
| 25 | 299m NE  | FAULT          | Normal fault, inferred                                                  |
| 26 | 304m W   | ROCK           | Coal seam, inferred (YARD)                                              |
| 28 | 339m W   | ROCK           | Coal seam, inferred ()                                                  |
| 29 | 348m N   | ROCK           | Coal seam, inferred (2 FT 9)                                            |
| 31 | 350m W   | FOSSIL_HORIZON | Fossil horizon, marine band (AMB)                                       |
| 32 | 356m E   | ROCK           | Coal seam, inferred (CONJECTURAL POSITION OF 2 FT 9)                    |
| 33 | 375m SW  | ROCK           | Coal seam, inferred (CONJECTURAL POSITION OF YARD)                      |
| 34 | 402m W   | ROCK           | Coal seam, inferred (BUTE)                                              |
| 35 | 425m E   | ROCK           | Coal seam, inferred (CONJECTURAL POSITION OF U 4 FT)                    |
| 36 | 459m NW  | ROCK           | Coal seam, inferred (L 9 FT)                                            |
| 37 | 460m S   | ROCK           | Coal seam, inferred (CONJECTURAL POSITION OF M 7 FT)                    |
| 38 | 472m E   | ROCK           | Coal seam, inferred (CONJECTURAL POSITION OF L 4 FT)                    |

*This data is sourced from the British Geological Survey.*



## 15 Geology 1:50,000 scale - Availability



— Site Outline  
Search buffers in metres (m)

☐ Geological map tile

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### 15.1 50k Availability

#### Records within 500m

1

An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme. Where 50k data is not available, this area has been filled in with 625k scale data.

Features are displayed on the Geology 1:50,000 scale - Availability map on [page 117](#) >

| ID | Location | Artificial | Superficial | Bedrock | Mass movement | Sheet No.        |
|----|----------|------------|-------------|---------|---------------|------------------|
| 1  | On site  | Full       | Full        | Full    | Full          | EW247_swansea_v4 |

This data is sourced from the British Geological Survey.



## Geology 1:50,000 scale - Artificial and made ground



- Site Outline
- Search buffers in metres (m)
- Made ground
  - Worked ground
  - Infilled ground
  - Disturbed ground
  - Landscaped ground

### 15.2 Artificial and made ground (50k)

#### Records within 500m

1

Details of made, worked, infilled, disturbed and landscaped ground at 1:50,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on [page 118 >](#)

| ID | Location | LEX Code   | Description                   | Rock description             |
|----|----------|------------|-------------------------------|------------------------------|
| 1  | On site  | LSGR-ARTGR | LANDSCAPED GROUND (UNDIVIDED) | ARTIFICIALLY MODIFIED GROUND |

*This data is sourced from the British Geological Survey.*



## 15.3 Artificial ground permeability (50k)

### Records within 50m

**1**

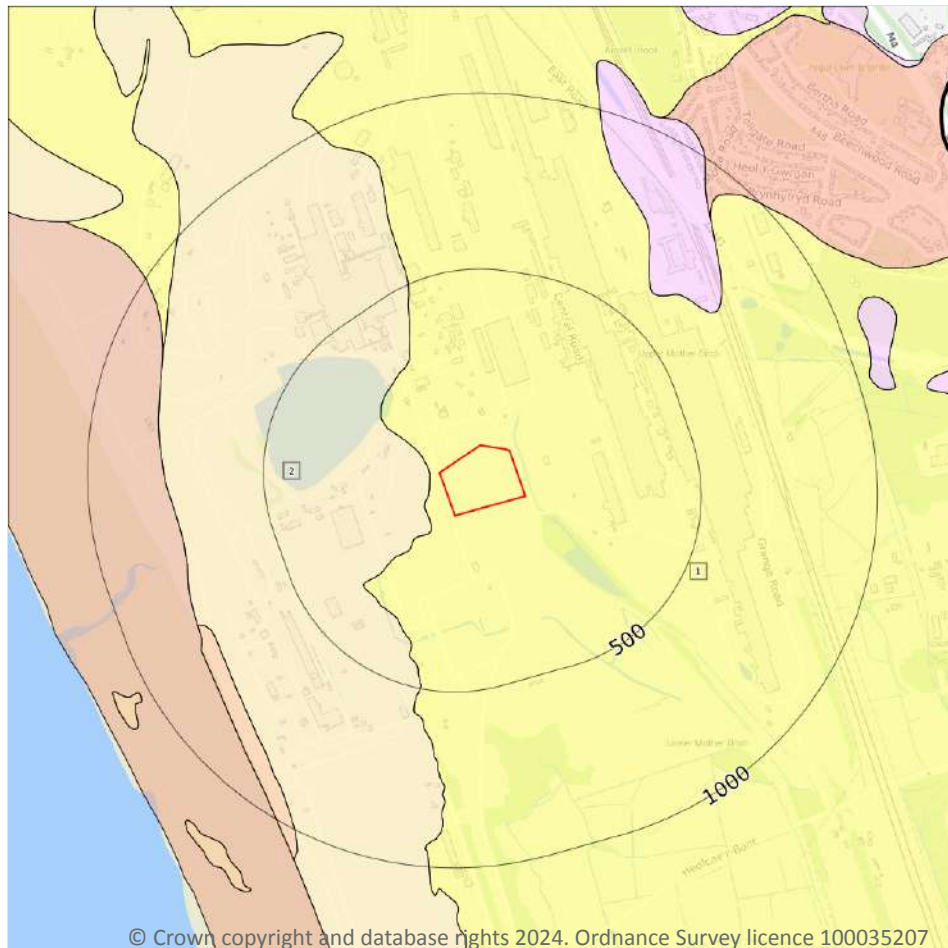
A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

| Location | Flow type | Maximum permeability | Minimum permeability |
|----------|-----------|----------------------|----------------------|
| On site  | Mixed     | Very High            | Low                  |

*This data is sourced from the British Geological Survey.*



## Geology 1:50,000 scale - Superficial



**Site Outline**

Search buffers in metres (m)

**Landslip (50k)**

**Superficial geology (50k)**  
Please see table for more details.

### 15.4 Superficial geology (50k)

#### Records within 500m

2

Superficial geological deposits at 1:50,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 120 >](#)

| ID | Location | LEX Code | Description         | Rock description    |
|----|----------|----------|---------------------|---------------------|
| 1  | On site  | TFD-XCZS | TIDAL FLAT DEPOSITS | CLAY, SILT AND SAND |
| 2  | 28m W    | BSA-S    | BLOWN SAND          | SAND                |

*This data is sourced from the British Geological Survey.*



## 15.5 Superficial permeability (50k)

Records within 50m

2

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any superficial deposits (the zone between the land surface and the water table).

| Location       | Flow type            | Maximum permeability | Minimum permeability |
|----------------|----------------------|----------------------|----------------------|
| <b>On site</b> | <b>Intergranular</b> | <b>Moderate</b>      | <b>Very Low</b>      |
| 28m W          | Intergranular        | High                 | High                 |

*This data is sourced from the British Geological Survey.*

## 15.6 Landslip (50k)

Records within 500m

0

Mass movement deposits on BGS geological maps at 1:50,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

*This data is sourced from the British Geological Survey.*

## 15.7 Landslip permeability (50k)

Records within 50m

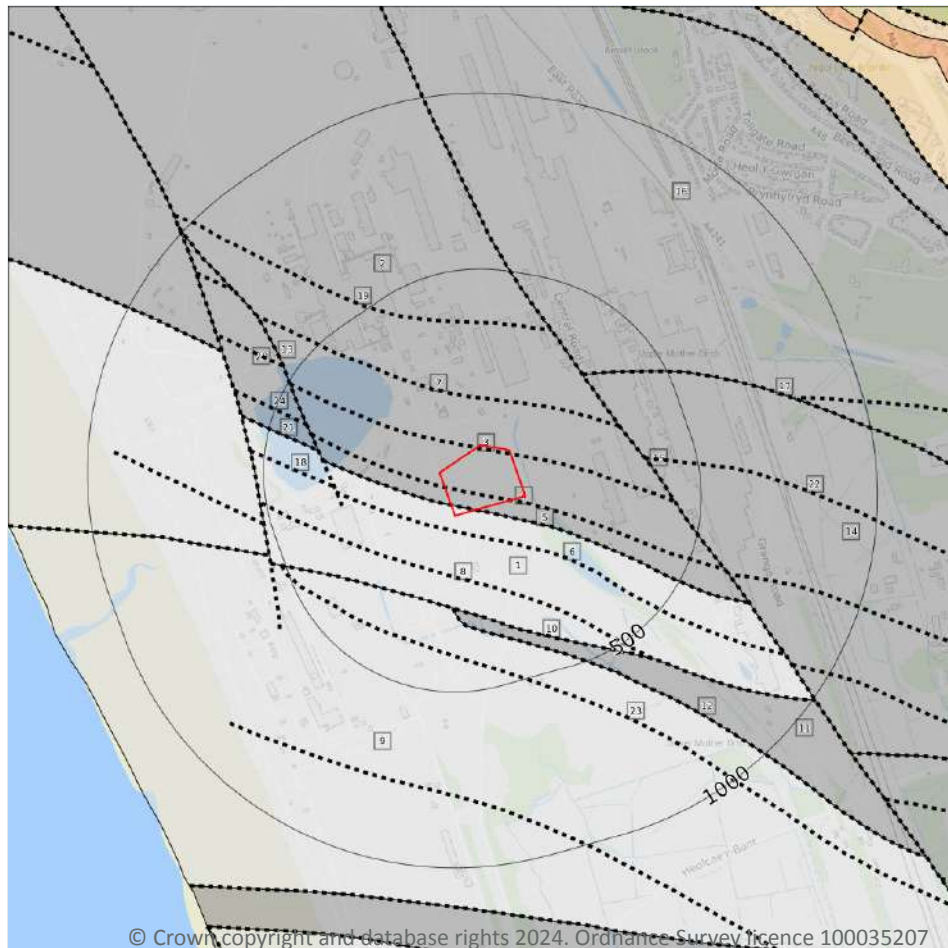
0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any landslip deposits (the zone between the land surface and the water table).

*This data is sourced from the British Geological Survey.*



## Geology 1:50,000 scale - Bedrock



**— Site Outline**

**Search buffers in metres (m)**

**---- Bedrock faults and other linear features (50k)**

**Bedrock geology (50k)**  
Please see table for more details.

### 15.8 Bedrock geology (50k)

#### Records within 500m

7

Bedrock geology at 1:50,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 122 >](#)

| ID | Location | LEX Code   | Description                                                                    | Rock age    |
|----|----------|------------|--------------------------------------------------------------------------------|-------------|
| 1  | On site  | SWLCM-MDSS | SOUTH WALES LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE  | WESTPHALIAN |
| 2  | On site  | SWMCM-MDSS | SOUTH WALES MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE | WESTPHALIAN |



| ID | Location | LEX Code   | Description                                                                    | Rock age    |
|----|----------|------------|--------------------------------------------------------------------------------|-------------|
| 9  | 253m SW  | SWLCM-MDSS | SOUTH WALES LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE  | WESTPHALIAN |
| 11 | 263m S   | SWMCM-MDSS | SOUTH WALES MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE | WESTPHALIAN |
| 14 | 294m NE  | SWMCM-MDSS | SOUTH WALES MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE | WESTPHALIAN |
| 16 | 299m NE  | SWMCM-MDSS | SOUTH WALES MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE | WESTPHALIAN |
| 20 | 350m W   | SWMCM-MDSS | SOUTH WALES MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE | WESTPHALIAN |

*This data is sourced from the British Geological Survey.*

## 15.9 Bedrock permeability (50k)

|                           |          |
|---------------------------|----------|
| <b>Records within 50m</b> | <b>2</b> |
|---------------------------|----------|

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of bedrock (the zone between the land surface and the water table).

| Location | Flow type | Maximum permeability | Minimum permeability |
|----------|-----------|----------------------|----------------------|
| On site  | Fracture  | Moderate             | Low                  |
| On site  | Fracture  | Moderate             | Low                  |

*This data is sourced from the British Geological Survey.*

## 15.10 Bedrock faults and other linear features (50k)

|                            |           |
|----------------------------|-----------|
| <b>Records within 500m</b> | <b>17</b> |
|----------------------------|-----------|

Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 122](#) >

| ID | Location | Category       | Description         |
|----|----------|----------------|---------------------|
| 3  | On site  | ROCK           | Coal seam, inferred |
| 4  | On site  | ROCK           | Coal seam, inferred |
| 5  | On site  | FOSSIL_HORIZON | Marine band         |

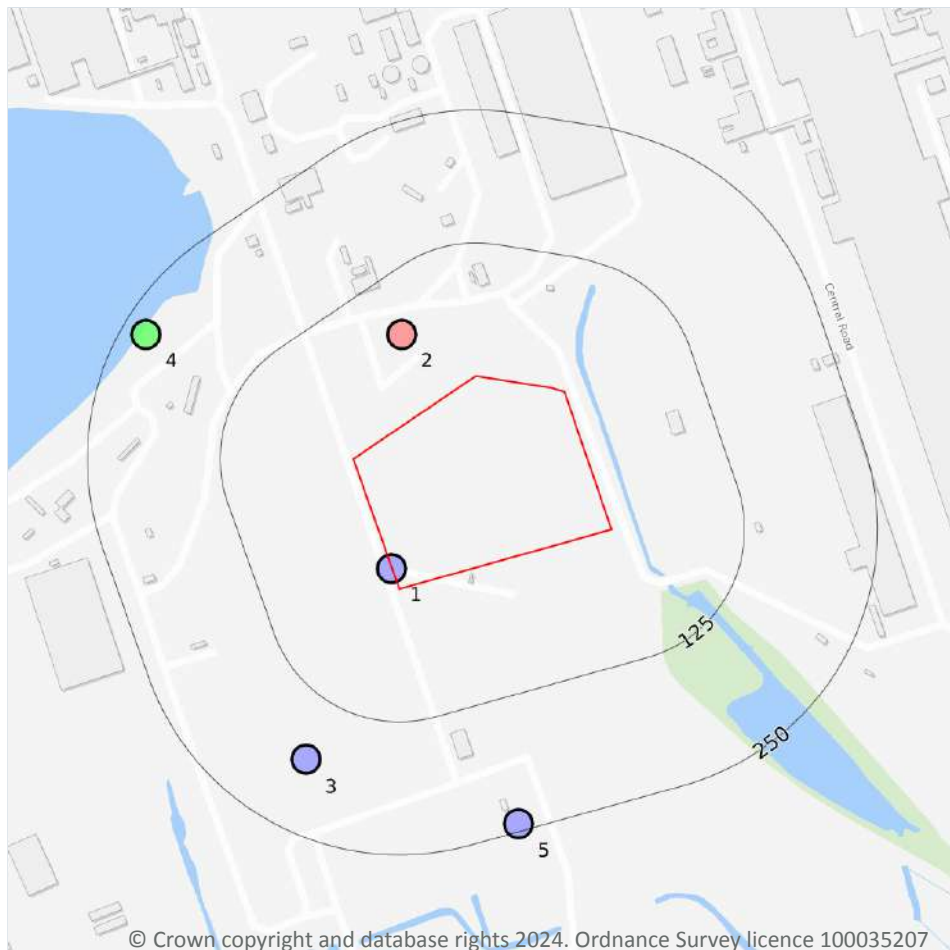


| ID | Location | Category       | Description                           |
|----|----------|----------------|---------------------------------------|
| 6  | 43m SW   | ROCK           | Coal seam, inferred                   |
| 7  | 133m N   | ROCK           | Coal seam, inferred                   |
| 8  | 167m SW  | ROCK           | Coal seam, inferred                   |
| 10 | 253m SW  | FAULT          | Reverse or thrust fault, inferred     |
| 12 | 263m S   | FOSSIL_HORIZON | Marine band                           |
| 13 | 291m W   | FAULT          | Fault, observed, displacement unknown |
| 15 | 294m NE  | FAULT          | Fault, inferred, displacement unknown |
| 17 | 299m NE  | FAULT          | Reverse or thrust fault, inferred     |
| 18 | 304m W   | ROCK           | Coal seam, inferred                   |
| 19 | 348m N   | ROCK           | Coal seam, inferred                   |
| 21 | 350m W   | FOSSIL_HORIZON | Marine band                           |
| 22 | 356m E   | ROCK           | Coal seam, inferred                   |
| 23 | 375m SW  | ROCK           | Coal seam, inferred                   |
| 24 | 402m W   | ROCK           | Coal seam, inferred                   |

*This data is sourced from the British Geological Survey.*



## 16 Boreholes



— Site Outline  
Search buffers in metres (m)

- Confidential
- 0 - 10m
- 10 - 30m
- 30m+
- Unknown

### 16.1 BGS Boreholes

Records within 250m

5

The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

Features are displayed on the Boreholes map on [page 125 >](#)

| ID | Location | Grid reference | Name                                    | Length | Confidential | Web link                 |
|----|----------|----------------|-----------------------------------------|--------|--------------|--------------------------|
| 1  | 1m SW    | 277540 186200  | MARGAM STEEL WORKS. NO.WR3              | 3.96   | N            | <a href="#">370792 ↗</a> |
| 2  | 72m NW   | 277550 186420  | MORFA COLLIERY, GRANGE PIT, PORT TALBOT | 371.94 | N            | <a href="#">370671 ↗</a> |
| 3  | 183m SW  | 277460 186020  | MARGAM STEEL WORKS. NO.WR2              | 6.4    | N            | <a href="#">370791 ↗</a> |

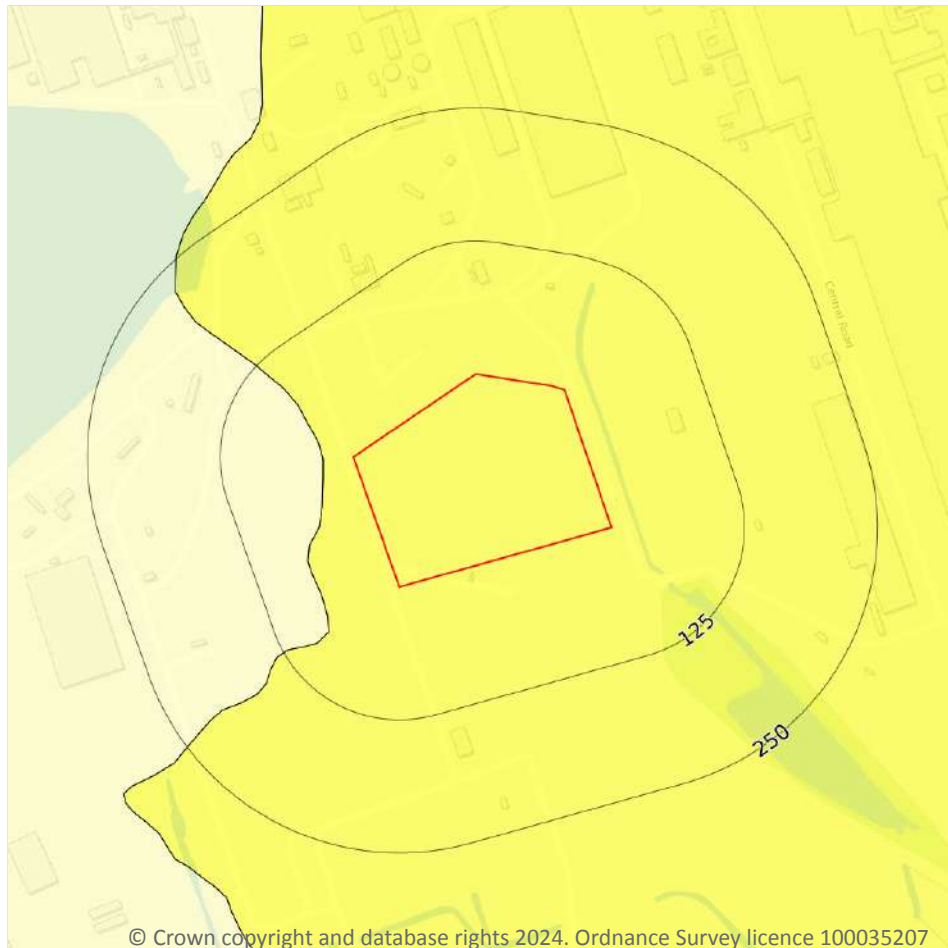


| ID | Location | Grid reference | Name                       | Length | Confidential | Web link                 |
|----|----------|----------------|----------------------------|--------|--------------|--------------------------|
| 4  | 227m NW  | 277310 186420  | MARGAM STEEL WORKS. NO.R7  | 12.19  | N            | <a href="#">370770 ↗</a> |
| 5  | 243m S   | 277660 185960  | MARGAM STEEL WORKS. NO.WR5 | 4.57   | N            | <a href="#">370794 ↗</a> |

*This data is sourced from the British Geological Survey.*



## 17 Natural ground subsidence - Shrink swell clays



— Site Outline  
Search buffers in metres (m)

- ☐ No data
- ☐ Negligible
- ☒ Very low
- ☐ Low
- ☐ Moderate
- ☐ High

### 17.1 Shrink swell clays

Records within 50m

2

The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and local drainage).

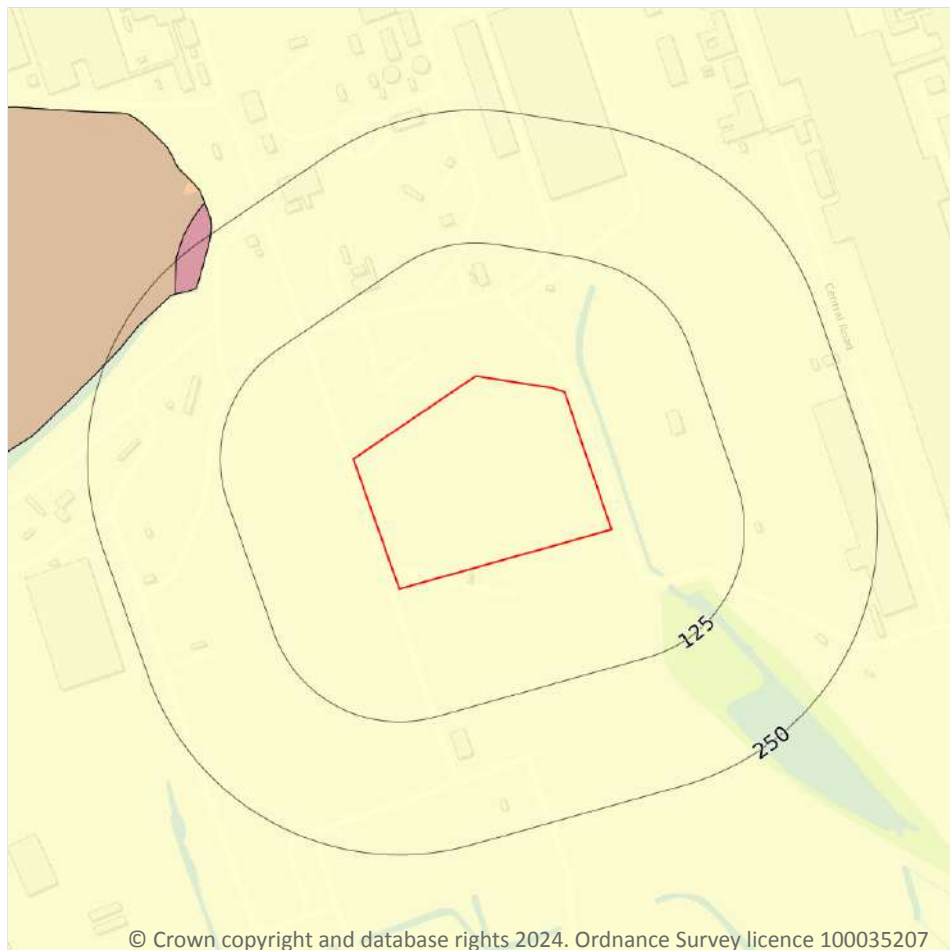
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 127 >](#)

| Location | Hazard rating | Details                                         |
|----------|---------------|-------------------------------------------------|
| On site  | Very low      | Ground conditions predominantly low plasticity. |
| 28m W    | Negligible    | Ground conditions predominantly non-plastic.    |

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Running sands



- Site Outline
- Search buffers in metres (m)
- ☐ No data
  - ☐ Negligible
  - ☐ Very low
  - ☐ Low
  - ☐ Moderate
  - ☐ High

### 17.2 Running sands

#### Records within 50m

1

The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

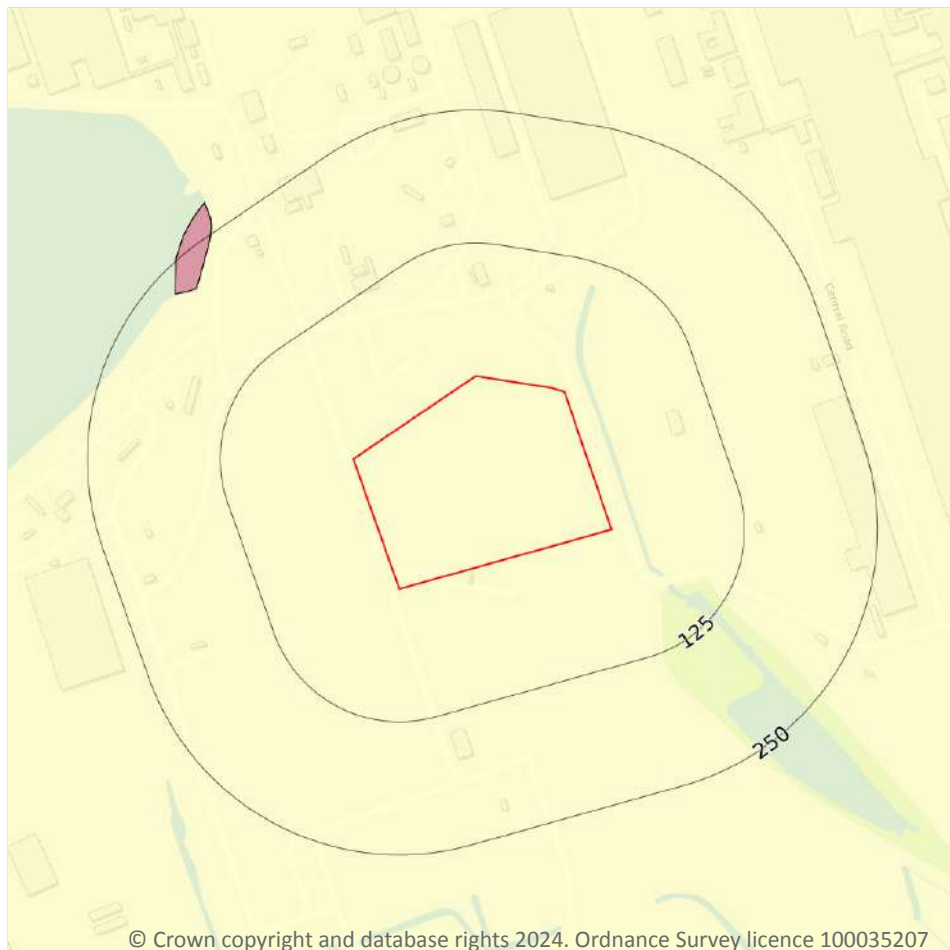
Features are displayed on the Natural ground subsidence - Running sands map on [page 128 >](#)

| Location | Hazard rating | Details                                                                                                                                                      |
|----------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| On site  | Negligible    | Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions. |

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Compressible deposits



- Site Outline
- Search buffers in metres (m)
- ☐ No data
  - ☐ Negligible
  - ☐ Very low
  - ☐ Low
  - ☐ Moderate
  - ☐ High

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### 17.3 Compressible deposits

#### Records within 50m

1

The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

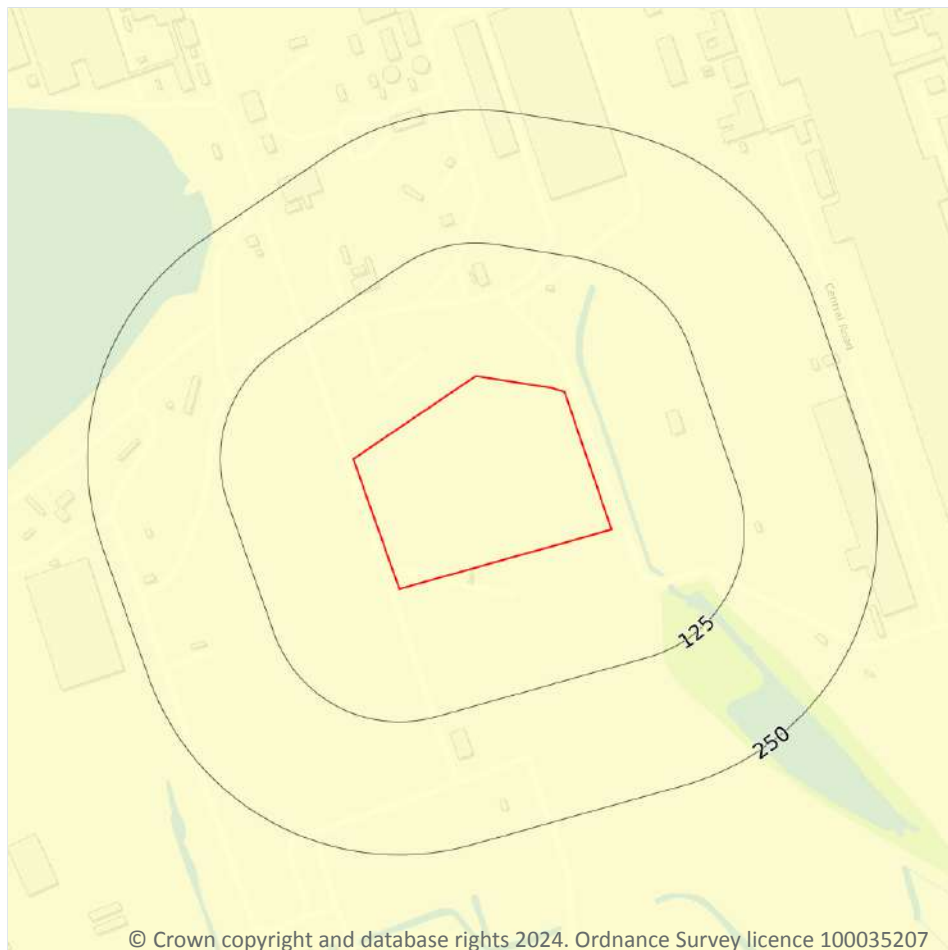
Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 129 >](#)

| Location | Hazard rating | Details                                       |
|----------|---------------|-----------------------------------------------|
| On site  | Negligible    | Compressible strata are not thought to occur. |

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Collapsible deposits



- Site Outline
- Search buffers in metres (m)
- ☐ No data
  - ☐ Negligible
  - ☐ Very low
  - ☐ Low
  - ☐ Moderate
  - ☐ High

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### 17.4 Collapsible deposits

#### Records within 50m

1

The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

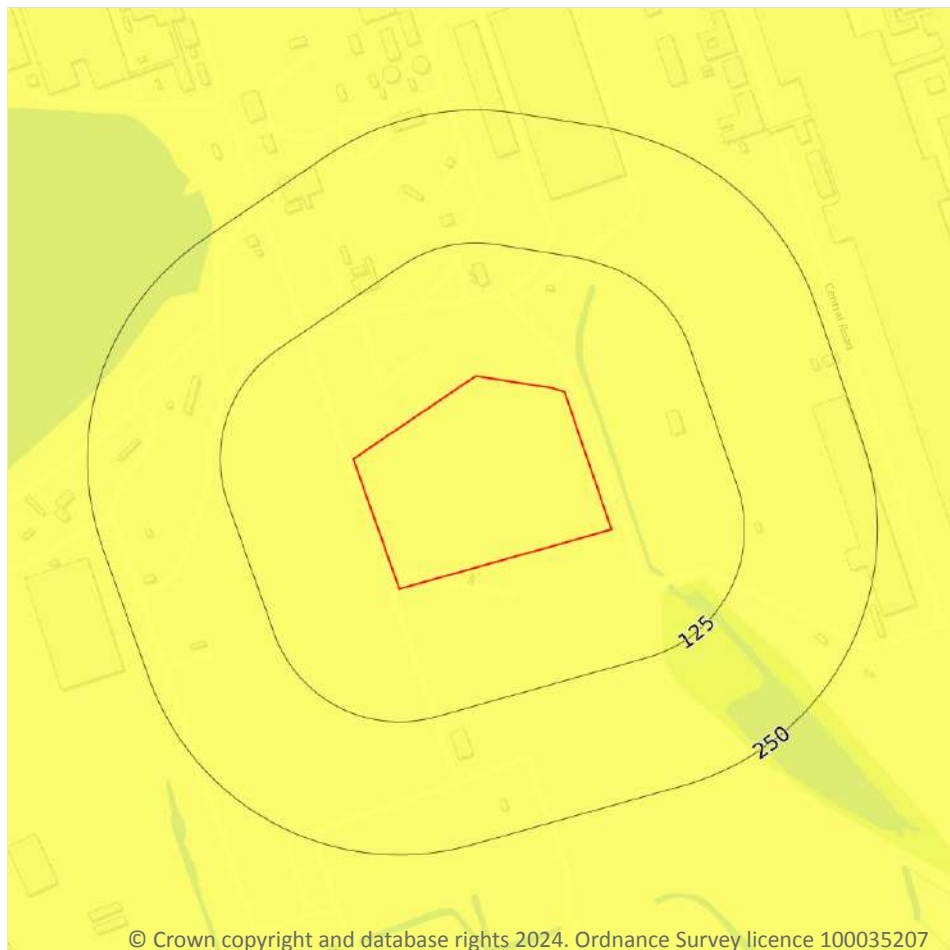
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 130 >](#)

| Location | Hazard rating | Details                                                                                       |
|----------|---------------|-----------------------------------------------------------------------------------------------|
| On site  | Negligible    | Deposits with potential to collapse when loaded and saturated are believed not to be present. |

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Landslides



- Site Outline
- Search buffers in metres (m)
- ☐ No data
  - ☐ Negligible
  - ☒ Very low
  - ☐ Low
  - ☐ Moderate
  - ☐ High

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### 17.5 Landslides

#### Records within 50m

1

The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

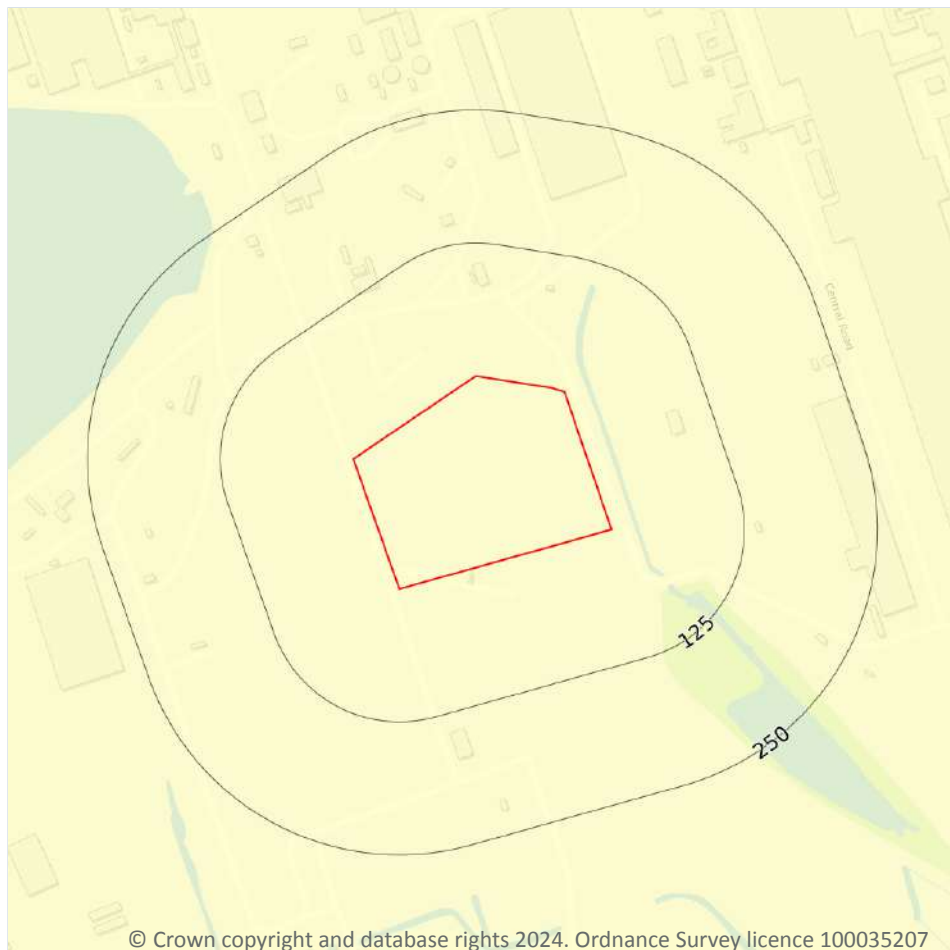
Features are displayed on the Natural ground subsidence - Landslides map on [page 131](#) >

| Location | Hazard rating | Details                                                                                                                                                         |
|----------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| On site  | Very low      | Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered. |

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Ground dissolution of soluble rocks



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- Site Outline
- Search buffers in metres (m)
- ☐ No data
  - ☐ Negligible
  - ☐ Very low
  - ☐ Low
  - ☐ Moderate
  - ☐ High

### 17.6 Ground dissolution of soluble rocks

#### Records within 50m

1

The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 132 >](#)

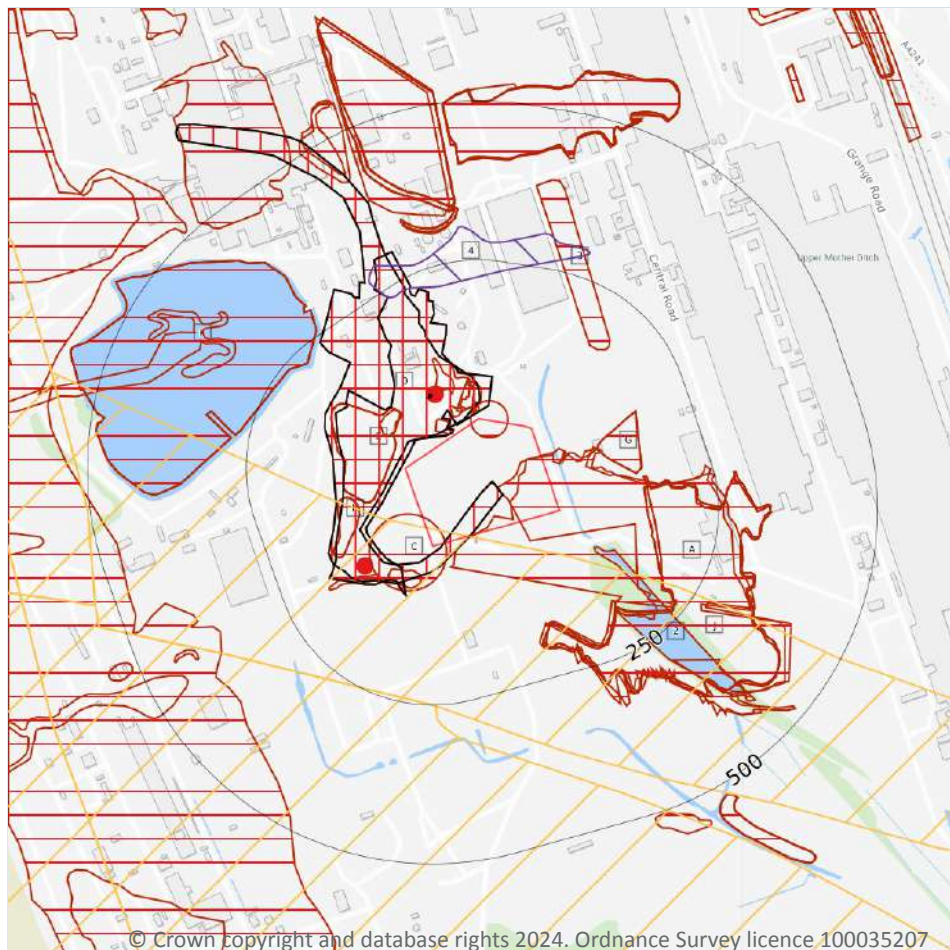
| Location | Hazard rating | Details                                                                                                                                             |
|----------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| On site  | Negligible    | Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present. |



*This data is sourced from the British Geological Survey.*



## 18 Mining and ground workings



- Site Outline
- Search buffers in metres (m)
- BritPits
- Surface ground workings
- Underground workings
- Underground mining extents
- Historical mineral planning areas
- TCA non-coal mining
- Non Coal Mining
- Sporadic underground mining of restricted extent possible
- Localised small scale underground mining possible
- Small scale mining possible
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

### 18.1 BritPits

#### Records within 500m

2

BritPits (an abbreviation of British Pits) is a database maintained by the British Geological Survey of currently active and closed surface and underground mineral workings. Details of major mineral handling sites, such as wharfs and rail depots are also held in the database.

Features are displayed on the Mining and ground workings map on [page 134](#) >

| ID | Location | Details                                                                                                         | Description                                                                                                                                                                                                                                                                                                                                                                                                        |
|----|----------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B  | 70m NW   | Name: Morfa Colliery<br>Address: Margam, PORT TALBOT, West Glamorgan<br>Commodity: Coal, Deep<br>Status: Ceased | Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots)<br>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |
| I  | 110m SW  | Name: Morfa Colliery<br>Address: Margam, PORT TALBOT, West Glamorgan<br>Commodity: Coal, Deep<br>Status: Ceased | Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots)<br>Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority |

*This data is sourced from the British Geological Survey.*

## 18.2 Surface ground workings

|                            |           |
|----------------------------|-----------|
| <b>Records within 250m</b> | <b>34</b> |
|----------------------------|-----------|

Historical land uses identified from Ordnance Survey mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

Features are displayed on the Mining and ground workings map on [page 134](#) >

| ID | Location | Land Use         | Year of mapping | Mapping scale |
|----|----------|------------------|-----------------|---------------|
| A  | On site  | Pond             | 1900            | 1:10560       |
| A  | On site  | Water Body       | 1885            | 1:10560       |
| B  | On site  | Unspecified Pit  | 1914            | 1:10560       |
| C  | On site  | Unspecified Pit  | 1900            | 1:10560       |
| D  | On site  | Colliery         | 1900            | 1:10560       |
| B  | 5m NW    | Pond             | 1885            | 1:10560       |
| E  | 5m NW    | Colliery         | 1885            | 1:10560       |
| B  | 13m N    | Unspecified Pit  | 1921            | 1:10560       |
| B  | 20m N    | Unspecified Pit  | 1885            | 1:10560       |
| B  | 22m N    | Unspecified Heap | 1885            | 1:10560       |



| ID | Location | Land Use                    | Year of mapping | Mapping scale |
|----|----------|-----------------------------|-----------------|---------------|
| B  | 22m N    | Unspecified Pit             | 1900            | 1:10560       |
| B  | 25m N    | Unspecified Ground Workings | 1949            | 1:10560       |
| F  | 25m W    | Unspecified Heap            | 1949            | 1:10560       |
| F  | 25m W    | Unspecified Heap            | 1914            | 1:10560       |
| F  | 25m W    | Unspecified Heap            | 1921            | 1:10560       |
| C  | 49m SW   | Unspecified Pit             | 1914            | 1:10560       |
| C  | 49m SW   | Unspecified Pit             | 1921            | 1:10560       |
| B  | 56m N    | Refuse Heap                 | 1885            | 1:10560       |
| E  | 56m NW   | Unspecified Heap            | 1885            | 1:10560       |
| 2  | 79m SE   | Pond                        | 1982            | 1:10000       |
| G  | 87m E    | Unspecified Pit             | 1949            | 1:10560       |
| G  | 87m E    | Unspecified Pit             | 1914            | 1:10560       |
| H  | 89m W    | Unspecified Heap            | 1914            | 1:10560       |
| H  | 89m W    | Unspecified Heap            | 1921            | 1:10560       |
| I  | 96m SW   | Unspecified Ground Workings | 1914            | 1:10560       |
| J  | 137m E   | Water Body                  | 1949            | 1:10560       |
| J  | 137m E   | Water Body                  | 1914            | 1:10560       |
| J  | 137m E   | Water Body                  | 1921            | 1:10560       |
| J  | 142m E   | Water Body                  | 1947            | 1:10560       |
| J  | 142m E   | Water Body                  | 1947            | 1:10560       |
| 3  | 160m NE  | Unspecified Heap            | 1993            | 1:10000       |
| K  | 226m NW  | Reservoir                   | 1982            | 1:10000       |
| K  | 226m NW  | Water Body                  | 1965            | 1:10560       |
| K  | 226m NW  | Reservoir                   | 1993            | 1:10000       |

*This is data is sourced from Ordnance Survey/Groundsure.*



## 18.3 Underground workings

### Records within 1000m

**3**

Historical land uses identified from Ordnance Survey mapping that indicate the presence of underground workings e.g. mine shafts.

Features are displayed on the Mining and ground workings map on [page 134 >](#)

| ID | Location | Land Use          | Year of mapping | Mapping scale |
|----|----------|-------------------|-----------------|---------------|
| D  | On site  | Colliery          | 1900            | 1:10560       |
| E  | 5m NW    | Colliery          | 1885            | 1:10560       |
| B  | 70m NW   | Unspecified Shaft | 1885            | 1:10560       |

*This data is sourced from Ordnance Survey/Groundsure.*

## 18.4 Underground mining extents

### Records within 500m

**0**

This data identifies underground mine workings that could present a potential risk, including adits and seam workings. These features have been identified from BGS Geological mapping and mine plans sourced from the BGS and various collections and sources.

*This data is sourced from Groundsure.*

## 18.5 Historical Mineral Planning Areas

### Records within 500m

**1**

Boundaries of mineral planning permissions for England and Wales. This data was collated between the 1940s (and retrospectively to the 1930s) and the mid 1980s. The data includes permitted, withdrawn and refused permissions.

Features are displayed on the Mining and ground workings map on [page 134 >](#)

| ID | Location | Site Name         | Mineral       | Type          | Planning Status | Planning Status Date |
|----|----------|-------------------|---------------|---------------|-----------------|----------------------|
| 4  | 217m N   | Morfa Sand Siding | Not available | Not available | Not available   | Not available        |

*This data is sourced from the British Geological Survey.*



## 18.6 Non-coal mining

### Records within 1000m

5

The potential for historical non-coal mining to have affected an area. The assessment is drawn from expert knowledge and literature in addition to the digital geological map of Britain. Mineral commodities may be divided into seven general categories - vein minerals, chalk, oil shale, building stone, bedded ores, evaporites and 'other' commodities (including ball clay, jet, black marble, graphite and chert).

Features are displayed on the Mining and ground workings map on [page 134 >](#)

| ID | Location | Name          | Commodity         | Class | Likelihood                                                                                                                                                                                                                                                 |
|----|----------|---------------|-------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | On site  | Not available | Iron Ore (Bedded) | B     | Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |
| 5  | 243m S   | Not available | Iron Ore (Bedded) | B     | Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |
| Q  | 504m W   | Not available | Iron Ore (Bedded) | B     | Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |
| 15 | 636m W   | Not available | Iron Ore (Bedded) | B     | Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |
| 16 | 637m W   | Not available | Iron Ore (Bedded) | B     | Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered. |

*This data is sourced from the British Geological Survey.*



## 18.7 JPB mining areas

### Records on site

**0**

Areas which could be affected by former coal and other mining. This data includes some mine plans unavailable to the Coal Authority.

*This data is sourced from Johnson Poole and Bloomer.*

## 18.8 The Coal Authority non-coal mining

### Records within 500m

**0**

This data provides an indication of the potential zone of influence of recorded underground non-coal mining workings. Any and all analysis and interpretation of Coal Authority Data in this report is made by Groundsure, and is in no way supported, endorsed or authorised by the Coal Authority. The use of the data is restricted to the terms and provisions contained in this report. Data reproduced in this report may be the copyright of the Coal Authority and permission should be sought from Groundsure prior to any re-use.

*This data is sourced from The Coal Authority.*

## 18.9 Researched mining

### Records within 500m

**0**

This data indicates areas of potential mining identified from alternative or archival sources, including; BGS Geological paper maps, Lidar data, aerial photographs (from World War II onwards), archaeological data services, websites, Tithe maps, and various text/plans from collected books and reports. Some of this data is approximate and Groundsure have interpreted the resultant risk area and, where possible, specific areas of risk have been captured.

*This data is sourced from Groundsure.*

## 18.10 Mining record office plans

### Records within 500m

**0**

This dataset is representative of Mining Record Office and/or plan extents held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

*This data is sourced from Groundsure.*



### 18.11 BGS mine plans

**Records within 500m****0**

This dataset is representative of BGS mine plans held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

*This data is sourced from Groundsure.*

### 18.12 Coal mining

**Records on site****1**

Areas which could be affected by past, current or future coal mining.

| Location | Details                                                                                                                                                                                                                                                              |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| On site  | The site is located within a coal mining area as defined by the Coal Authority. A Consultants Coal Mining Report is recommended to further assess coal mining issues at the site. This can be ordered directly through Groundsure or your preferred search provider. |

*This data is sourced from the Coal Authority.*

### 18.13 Brine areas

**Records on site****0**

The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

*This data is sourced from the Cheshire Brine Subsidence Compensation Board.*

### 18.14 Gypsum areas

**Records on site****0**

Generalised areas that may be affected by gypsum extraction.

*This data is sourced from British Gypsum.*

### 18.15 Tin mining

**Records on site****0**

Generalised areas that may be affected by historical tin mining.

*This data is sourced from Groundsure.*



## 18.16 Clay mining

|                 |   |
|-----------------|---|
| Records on site | 0 |
|-----------------|---|

Generalised areas that may be affected by kaolin and ball clay extraction.

*This data is sourced from the Kaolin and Ball Clay Association (UK).*



## 19 Ground cavities and sinkholes

### 19.1 Natural cavities

Records within 500m

0

Industry recognised national database of natural cavities. Sinkholes and caves are formed by the dissolution of soluble rock, such as chalk and limestone, gulls and fissures by cambering. Ground instability can result from movement of loose material contained within these cavities, often triggered by water.

*This data is sourced from Stantec UK Ltd.*

### 19.2 Mining cavities

Records within 1000m

0

Industry recognised national database of mining cavities. Degraded mines may result in hazardous subsidence (crown holes). Climatic conditions and water escape can also trigger subsidence over mine entrances and workings.

*This data is sourced from Stantec UK Ltd.*

### 19.3 Reported recent incidents

Records within 500m

0

This data identifies sinkhole information gathered from media reports and Groundsure's own records. This data goes back to 2014 and includes relative accuracy ratings for each event and links to the original data sources. The data is updated on a regular basis and should not be considered a comprehensive catalogue of all sinkhole events. The absence of data in this database does not mean a sinkhole definitely has not occurred during this time.

*This data is sourced from Groundsure.*

### 19.4 Historical incidents

Records within 500m

0

This dataset comprises an extract of 1:10,560, 1:10,000, 1:2,500 and 1:1,250 scale historical Ordnance Survey maps held by Groundsure, dating back to the 1840s. It shows shakeholes, deneholes and other 'holes' as noted on these maps. Dene holes are medieval chalk extraction pits, usually comprising a narrow shaft with a number of chambers at the base of the shaft. Shakeholes are an alternative name for suffusion sinkholes, most commonly found in the limestone landscapes of North Yorkshire but also extensively noted around the Brecon Beacons National Park.

Not all 'holes' noted on Ordnance Survey mapping will necessarily be present within this dataset.



*This data is sourced from Groundsure.*

## 19.5 National karst database

Records within 500m

0

This is a comprehensive database of national karst information gathered from a wide range of sources. BGS have collected data on five main types of karst feature: Sinkholes, stream links, caves, springs, and incidences of associated damage to buildings, roads, bridges and other engineered works.

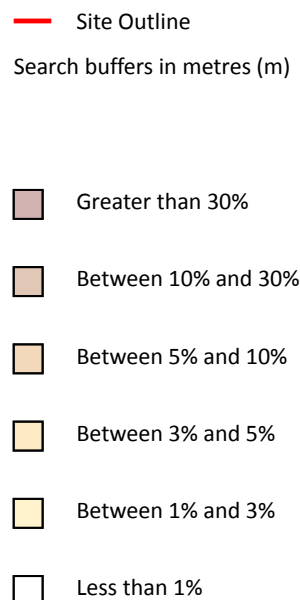
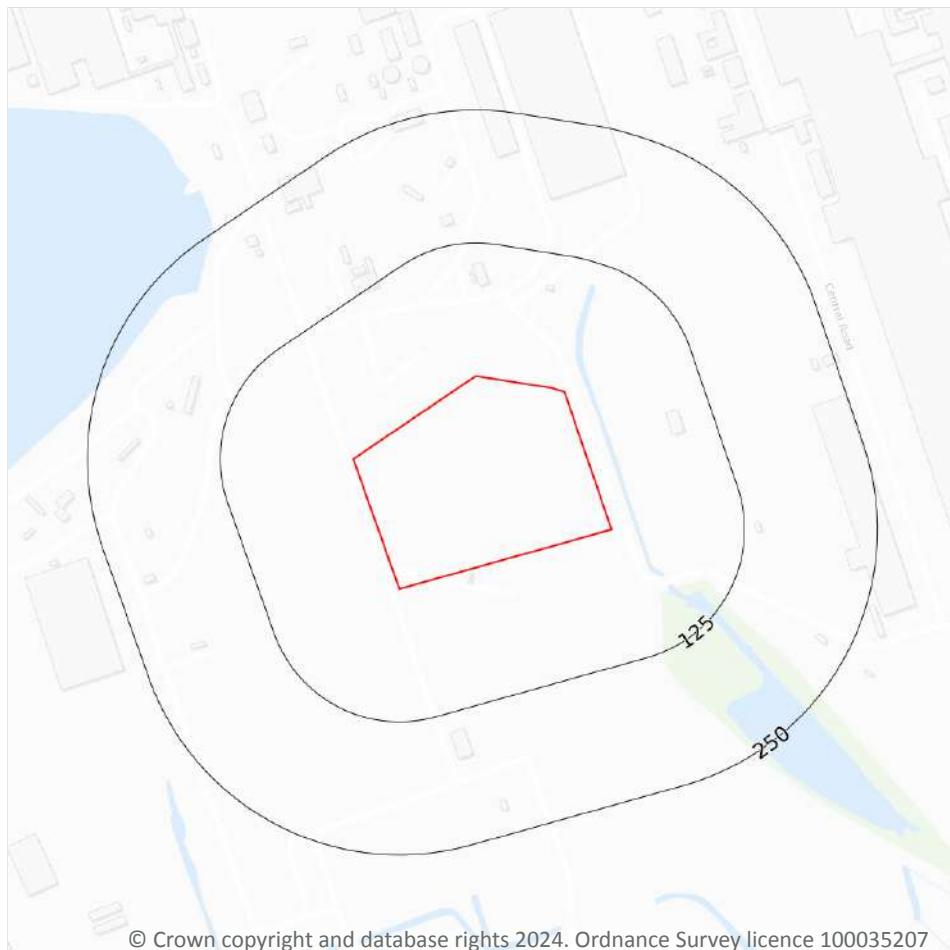
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over 800 caves, 1300 stream sinks, 5600 springs, 10,000 sinkholes.

The database is not yet complete, and not all records have been verified. The absence of data does not mean that karst features are not present at a site. A reliability rating is included with each record.

*This data is sourced from the British Geological Survey.*



## 20 Radon



### 20.1 Radon

#### Records on site

1

The Radon Potential data classifies areas based on their likelihood of a property having a radon level at or above the Action Level in Great Britain. The dataset is intended for use at 1:50,000 scale and was derived from both geological assessments and indoor radon measurements (more than 560,000 records). A minimum 50m buffer should be considered when searching the maps, as the smallest detectable feature at this scale is 50m. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain (1:100,000 scale).

Features are displayed on the Radon map on [page 144 >](#)

| Location | Estimated properties affected | Radon Protection Measures required |
|----------|-------------------------------|------------------------------------|
| On site  | Less than 1%                  | None                               |



*This data is sourced from the British Geological Survey and UK Health Security Agency.*



## 21 Soil chemistry

### 21.1 BGS Estimated Background Soil Chemistry

Records within 50m

5

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km<sup>2</sup>. In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km<sup>2</sup>; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

| Location | Arsenic       | Bioaccessible Arsenic | Lead      | Bioaccessible Lead | Cadmium   | Chromium      | Nickel        |
|----------|---------------|-----------------------|-----------|--------------------|-----------|---------------|---------------|
| On site  | 15 - 25 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 30 - 45 mg/kg |
| On site  | 15 - 25 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 30 - 45 mg/kg |
| 5m W     | 15 - 25 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 30 - 45 mg/kg |
| 18m W    | 35 - 45 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 15 - 30 mg/kg |
| 33m SW   | 15 - 25 mg/kg | No data               | 100 mg/kg | 60 mg/kg           | 1.8 mg/kg | 60 - 90 mg/kg | 30 - 45 mg/kg |

*This data is sourced from the British Geological Survey.*

### 21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km<sup>2</sup>).

*This data is sourced from the British Geological Survey.*



## 21.3 BGS Measured Urban Soil Chemistry

Records within 50m

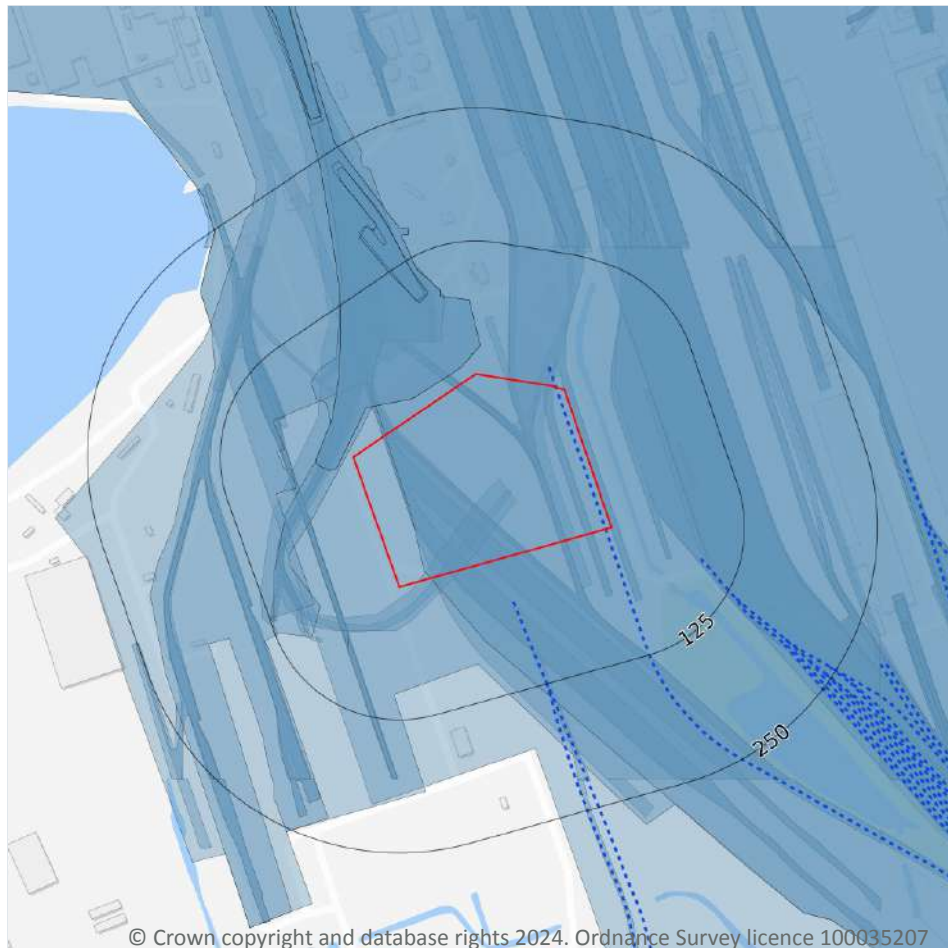
0

The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km<sup>2</sup>.

*This data is sourced from the British Geological Survey.*



## 22 Railway infrastructure and projects



- Site Outline
- Search buffers in metres (m)
- C1 Crossrail 1 Stations
- Crossrail 1 Route
- C2 Crossrail 2 Stations
- Crossrail 2 Route
- Crossrail 2 Worksites
- Crossrail 2 Safeguarding
- Crossrail 2 Headhouses
- Railway stations
- Active railways
- Active tunnels
- Abandoned railways
- Historic railways
- Historic tunnels
- Underground stations
- Underground Lines
- Royal Mail tunnels
- HS2 optimised route
- HS2 Stations
- HS2 Depots
- HS2 Surface Safeguarding
- HS2 Subsurface Safeguarding

### 22.1 Underground railways (London)

Records within 250m

0

Details of all active London Underground lines, including approximate tunnel roof depth and operational hours.

*This data is sourced from publicly available information by Groundsure.*

### 22.2 Underground railways (Non-London)

Records within 250m

0

Details of the Merseyrail system, the Tyne and Wear Metro and the Glasgow Subway. Not all parts of all systems are located underground. The data contains location information only and does not include a depth assessment.



*This data is sourced from publicly available information by Groundsure.*

## 22.3 Railway tunnels

**Records within 250m**

**0**

Railway tunnels taken from contemporary Ordnance Survey mapping.

*This data is sourced from the Ordnance Survey.*

## 22.4 Historical railway and tunnel features

**Records within 250m**

**63**

Railways and tunnels digitised from historical Ordnance Survey mapping as scales of 1:1,250, 1:2,500, 1:10,000 and 1:10,560.

Features are displayed on the Railway infrastructure and projects map on [page 148 >](#)

| Location | Land Use                | Year of mapping | Mapping scale |
|----------|-------------------------|-----------------|---------------|
| On site  | Railway Sidings         | 1974            | 1250          |
| On site  | Railway Sidings         | 1962            | 1250          |
| On site  | Railway Sidings         | 1964            | 2500          |
| On site  | Railway Sidings         | 1993            | 1250          |
| On site  | Tramway Sidings         | 1899            | 2500          |
| On site  | Railway Sidings         | 1900            | 10560         |
| On site  | Railway Sidings         | 1993            | 10000         |
| On site  | Railway Sidings         | 1982            | 10000         |
| On site  | Railway Sidings         | 1965            | 10560         |
| 6m W     | Mineral Railway Sidings | 1885            | 10560         |
| 9m W     | Mineral Railway Sidings | 1914            | 10560         |
| 9m W     | Mineral Railway Sidings | 1921            | 10560         |
| 18m W    | Tramway Sidings         | 1878            | 2500          |
| 18m W    | Mineral Railway Sidings | 1918            | 2500          |
| 39m E    | Railway Sidings         | 1962            | 1250          |
| 40m NW   | Railway Sidings         | 1993            | 1250          |
| 44m NE   | Railway Sidings         | 1974            | 1250          |



| Location | Land Use        | Year of mapping | Mapping scale |
|----------|-----------------|-----------------|---------------|
| 58m W    | Railway Sidings | 1962            | 1250          |
| 58m W    | Railway Sidings | 1974            | 1250          |
| 67m SW   | Railway Sidings | 1962            | 1250          |
| 69m SW   | Railway Sidings | 1993            | 1250          |
| 71m E    | Railway Sidings | 1993            | 1250          |
| 75m W    | Railway Sidings | 1988            | 1250          |
| 76m E    | Railway Sidings | 1952            | 2500          |
| 76m NE   | Railway Sidings | 1952            | 1250          |
| 85m E    | Railway Sidings | 1974            | 1250          |
| 85m N    | Railway Sidings | 1947            | 10560         |
| 88m N    | Railway Sidings | 1938            | 10560         |
| 94m S    | Railway Sidings | 1993            | 1250          |
| 123m N   | Railway Sidings | 1974            | 1250          |
| 123m N   | Railway Sidings | 1962            | 1250          |
| 128m NE  | Railway Sidings | 1952            | 1250          |
| 129m NE  | Railway Sidings | 1974            | 1250          |
| 130m N   | Railway Sidings | 1993            | 1250          |
| 130m N   | Railway Sidings | 1974            | 1250          |
| 132m N   | Railway Sidings | 1952            | 1250          |
| 133m NE  | Railway Sidings | 1974            | 1250          |
| 139m W   | Railway Sidings | 1988            | 1250          |
| 168m NE  | Railway Sidings | 1974            | 1250          |
| 191m NE  | Railway Sidings | 1993            | 1250          |
| 193m E   | Railway Sidings | 1993            | 1250          |
| 195m NE  | Railway Sidings | 1952            | 1250          |
| 197m SW  | Railway Sidings | 1986            | 2500          |
| 197m SW  | Railway Sidings | 1964            | 2500          |
| 219m S   | Railway Sidings | 1995            | 2500          |



| Location | Land Use        | Year of mapping | Mapping scale |
|----------|-----------------|-----------------|---------------|
| 226m SE  | Railway Sidings | 1986            | 2500          |
| 227m E   | Railway Sidings | 1962            | 1250          |
| 228m E   | Railway Sidings | 1964            | 2500          |
| 228m NW  | Railway Sidings | 1995            | 1250          |
| 231m SW  | Railway Sidings | 1988            | 1250          |
| 232m NE  | Railway Sidings | 1993            | 1250          |
| 232m NE  | Railway Sidings | 1952            | 2500          |
| 232m NE  | Railway Sidings | 1952            | 1250          |
| 233m E   | Railway Sidings | 1974            | 1250          |
| 233m NE  | Railway Sidings | 1962            | 1250          |
| 233m NE  | Railway Sidings | 1974            | 1250          |
| 234m NE  | Railway Sidings | 1952            | 1250          |
| 238m NW  | Railway Sidings | 1974            | 1250          |
| 243m NE  | Railway Sidings | 1974            | 1250          |
| 245m SW  | Railway Sidings | 1986            | 2500          |
| 245m SW  | Railway Sidings | 1964            | 2500          |
| 246m SE  | Railway Sidings | 1986            | 2500          |
| 246m SE  | Railway Sidings | 1964            | 2500          |

*This data is sourced from Ordnance Survey/Groundsure.*

## 22.5 Royal Mail tunnels

**Records within 250m**

**0**

The Post Office Railway, otherwise known as the Mail Rail, is an underground railway running through Central London from Paddington Head District Sorting Office to Whitechapel Eastern Head Sorting Office. The line is 10.5km long. The data includes details of the full extent of the tunnels, the depth of the tunnel, and the depth to track level.

*This data is sourced from Groundsure/the Postal Museum.*



## 22.6 Historical railways

Records within 250m

0

Former railway lines, including dismantled lines, abandoned lines, disused lines, historic railways and razed lines.

*This data is sourced from OpenStreetMap.*

## 22.7 Railways

Records within 250m

10

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways.

Features are displayed on the Railway infrastructure and projects map on [page 148](#) >

| Location       | Name | Type        |
|----------------|------|-------------|
| <b>On site</b> |      | <b>rail</b> |
| 42m S          |      | rail        |
| 89m E          |      | rail        |
| 124m S         |      | rail        |
| 135m SE        |      | rail        |
| 191m SE        |      | rail        |
| 193m SE        |      | rail        |
| 221m SE        |      | rail        |
| 240m SE        |      | rail        |
| 244m SE        |      | rail        |

*This data is sourced from Ordnance Survey and OpenStreetMap.*

## 22.8 Crossrail 1

Records within 500m

0

The Crossrail railway project links 41 stations over 100 kilometres from Reading and Heathrow in the west, through underground sections in central London, to Shenfield and Abbey Wood in the east.

*This data is sourced from publicly available information by Groundsure.*



## 22.9 Crossrail 2

**Records within 500m****0**

Crossrail 2 is a proposed railway linking the national rail networks in Surrey and Hertfordshire via an underground tunnel through London.

*This data is sourced from publicly available information by Groundsure.*

## 22.10 HS2

**Records within 500m****0**

HS2 is a proposed high speed rail network running from London to Manchester and Leeds via Birmingham. Main civils construction on Phase 1 (London to Birmingham) of the project began in 2019, and it is currently anticipated that this phase will be fully operational by 2026. Construction on Phase 2a (Birmingham to Crewe) is anticipated to commence in 2021, with the service fully operational by 2027. Construction on Phase 2b (Crewe to Manchester and Birmingham to Leeds) is scheduled to begin in 2023 and be operational by 2033.

*This data is sourced from HS2 Ltd.*



## Data providers

Groundsure works with respected data providers to bring you the most relevant and accurate information. To find out who they are and their areas of expertise see <https://www.groundsure.com/sources-reference> ↗.

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**Report Ref:** GS-ACA-TGQ-1ZW-N7U  
**Grid Ref:** 277625, 186280

**Map Name:** County Series

**Map date:** 1878

**Scale:** 1:2,500

**Printed at:** 1:2,500



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 Revised 1878  
 Edition N/A  
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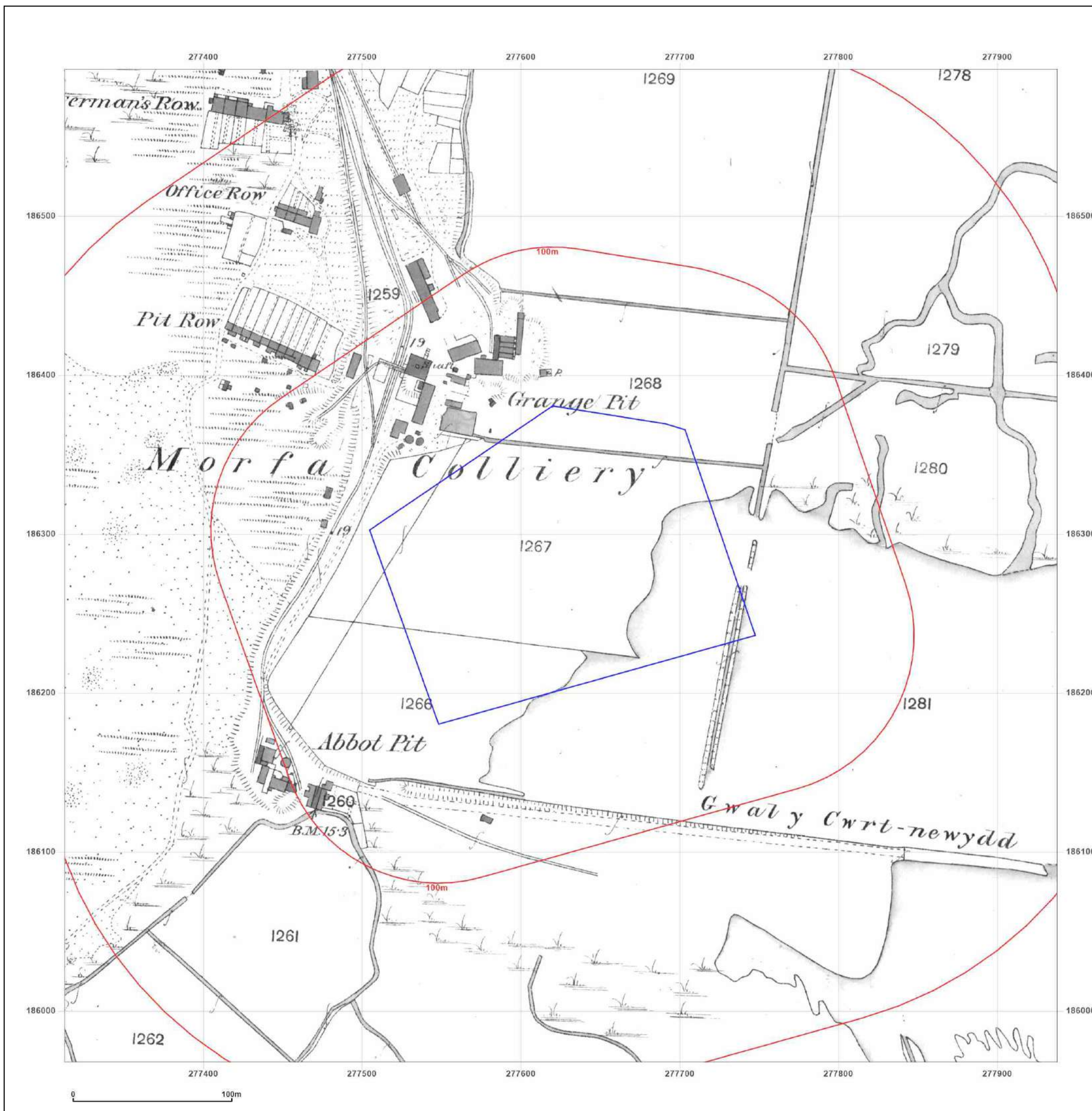


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Grid Ref: 277625, 186280

Map Name: County Series

Map date: 1918

Scale: 1:2,500

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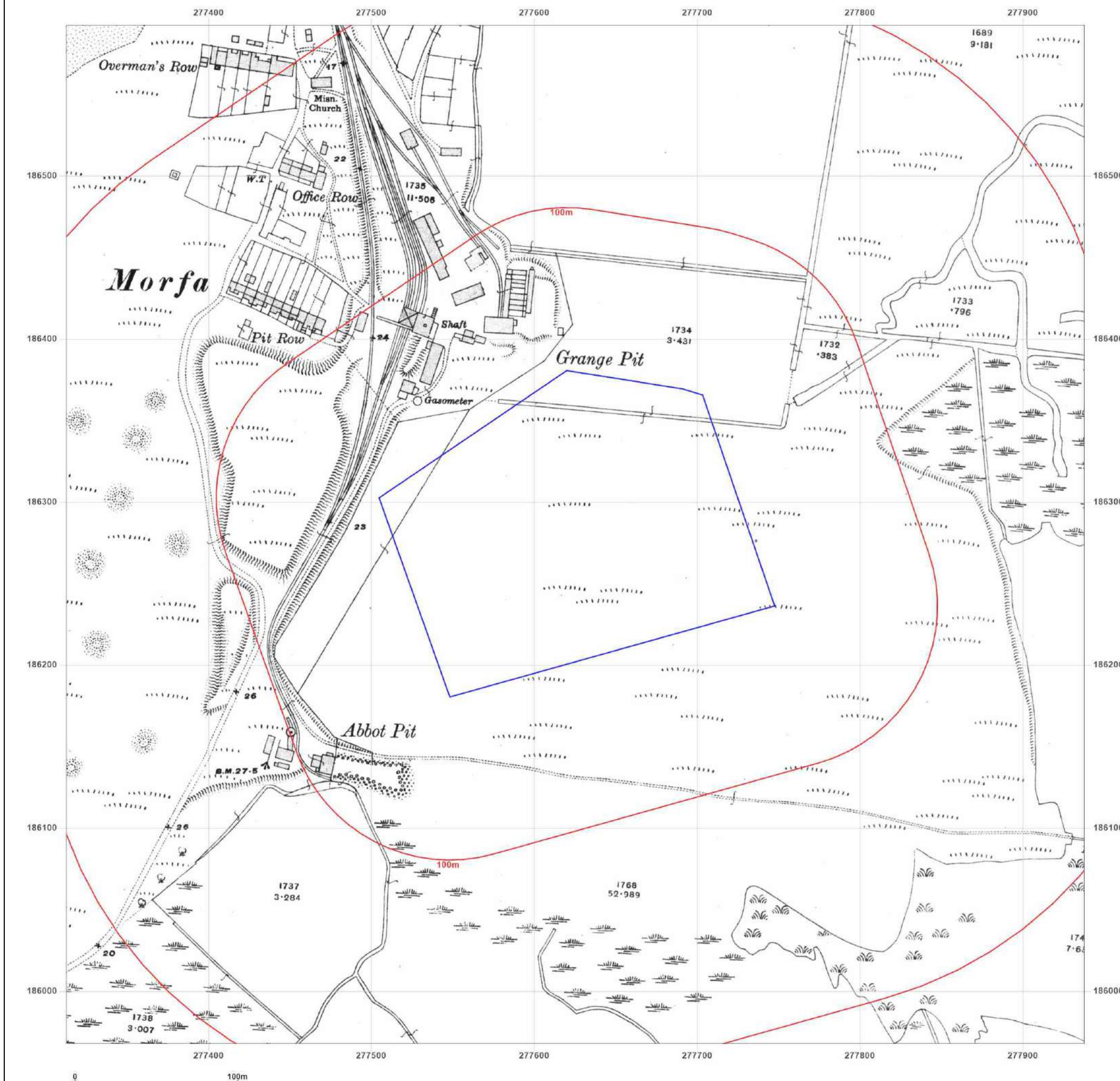


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**Grid Ref:** 277625, 186280

**Map Name:** County Series

**Map date:** 1940

**Scale:** 1:2,500

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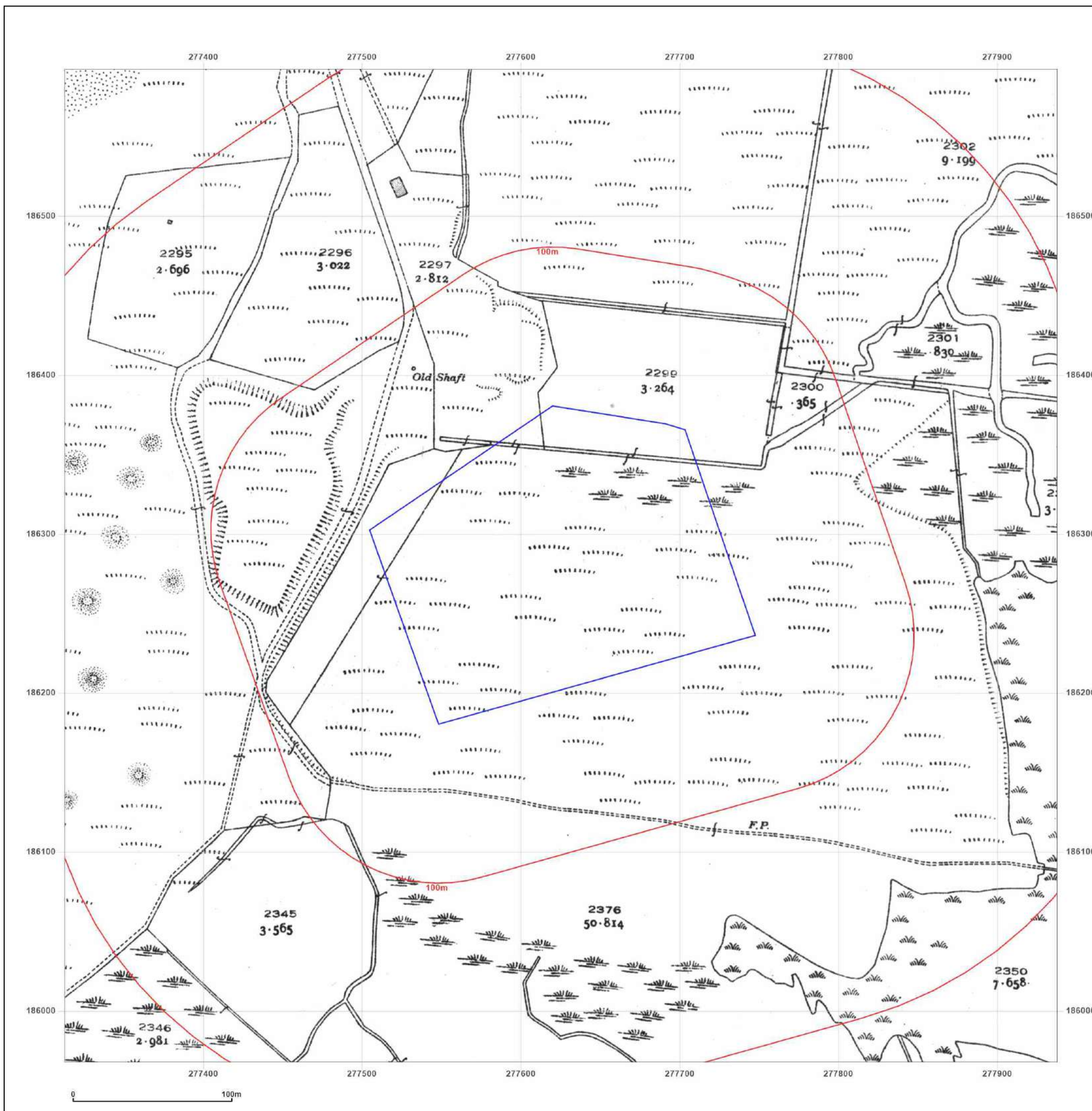


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Report Ref: GS-ACA-TGQ-1ZW-N7U  
Grid Ref: 277625, 186280

Map Name: National Grid

Map date: 1952

Scale: 1:1,250

Printed at: 1:2,000



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Revised 1952  
Edition N/A  
Copyright N/A  
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Revised 1952  
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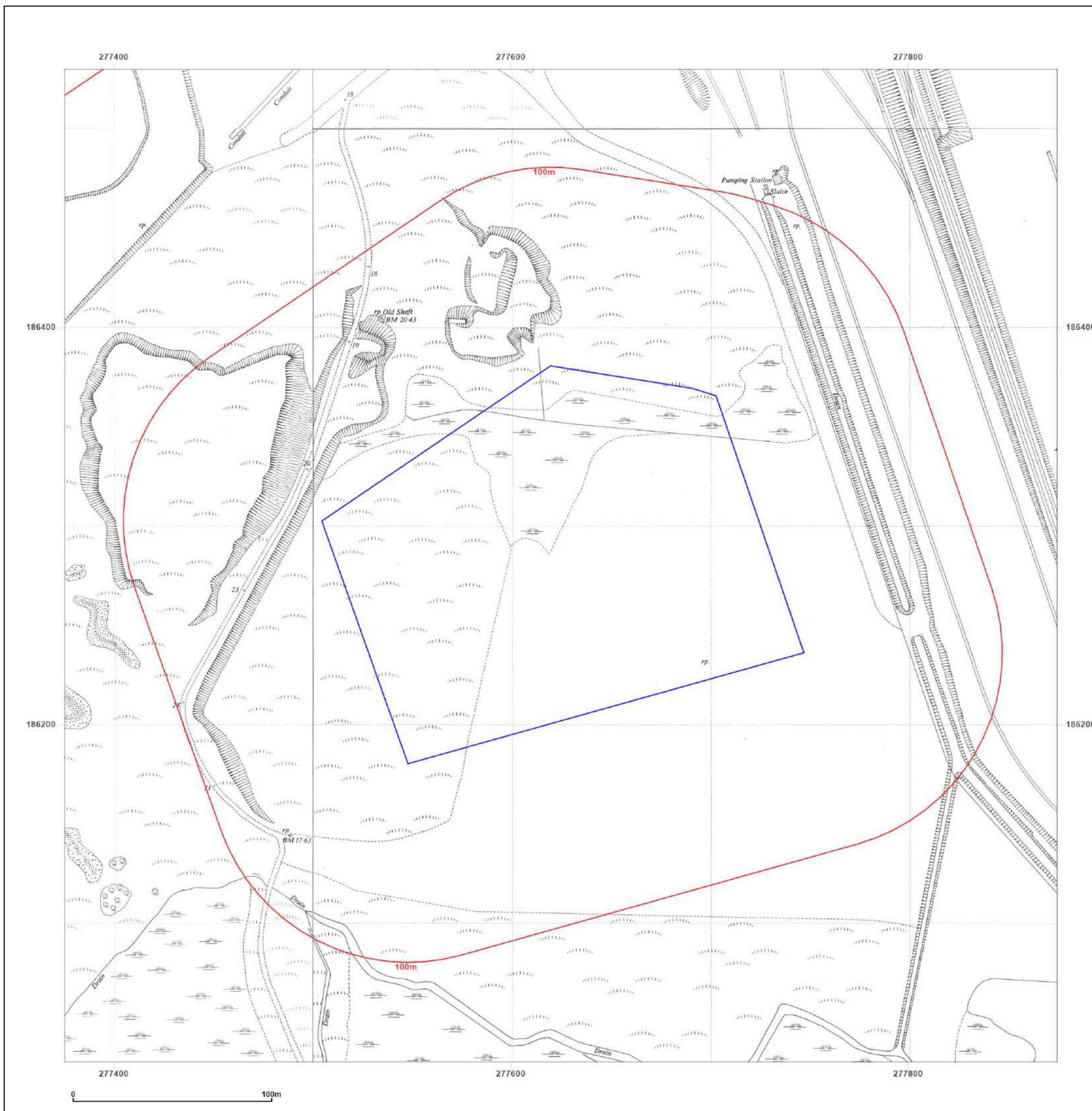


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**Grid Ref:** 277625, 186280

**Map Name:** National Grid

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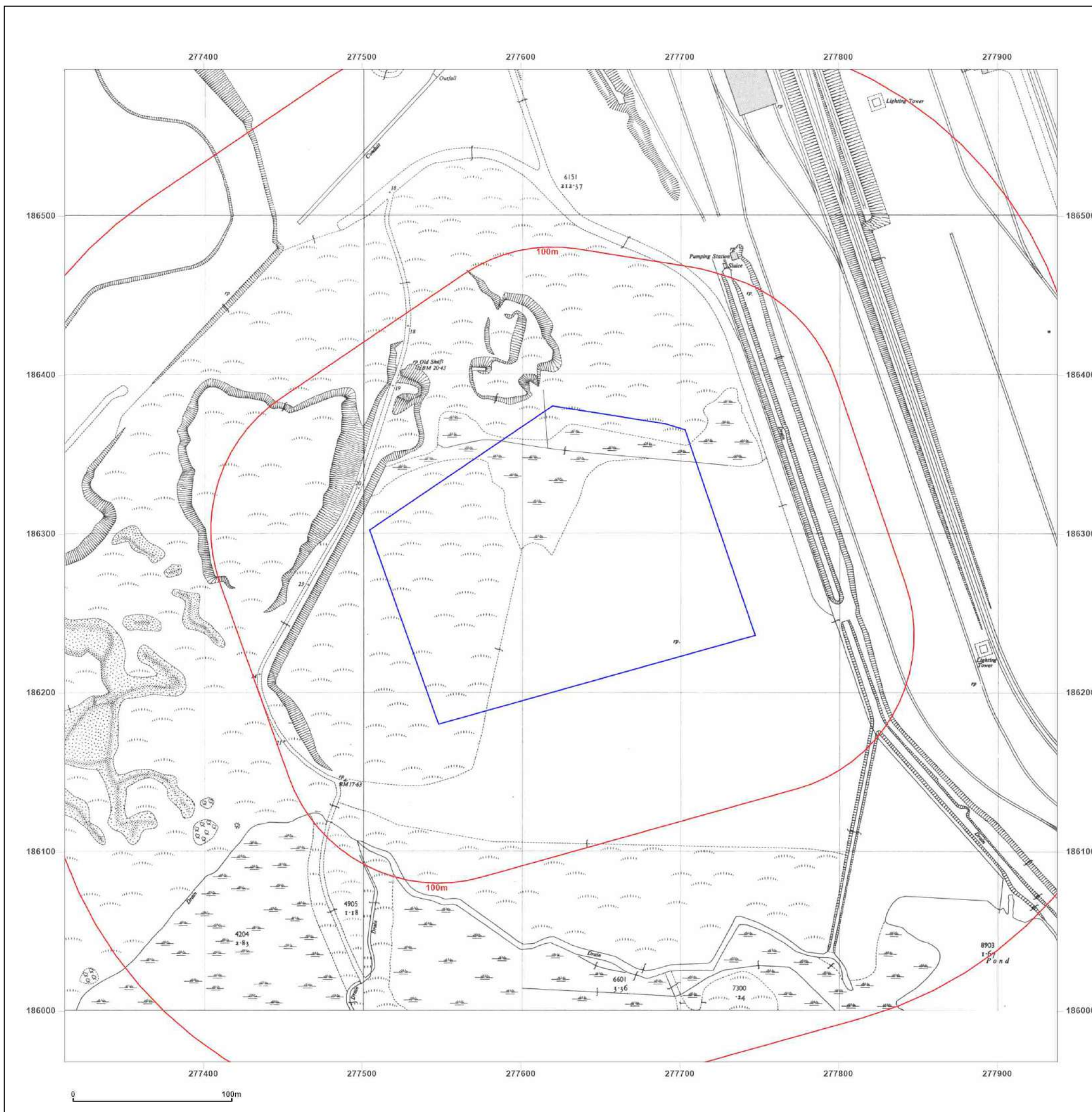


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**Grid Ref:** 277625, 186280

**Map Name:** National Grid

**Map date:** 1953

**Scale:** 1:2,500

**Printed at:** 1:2,500



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Edition N/A  
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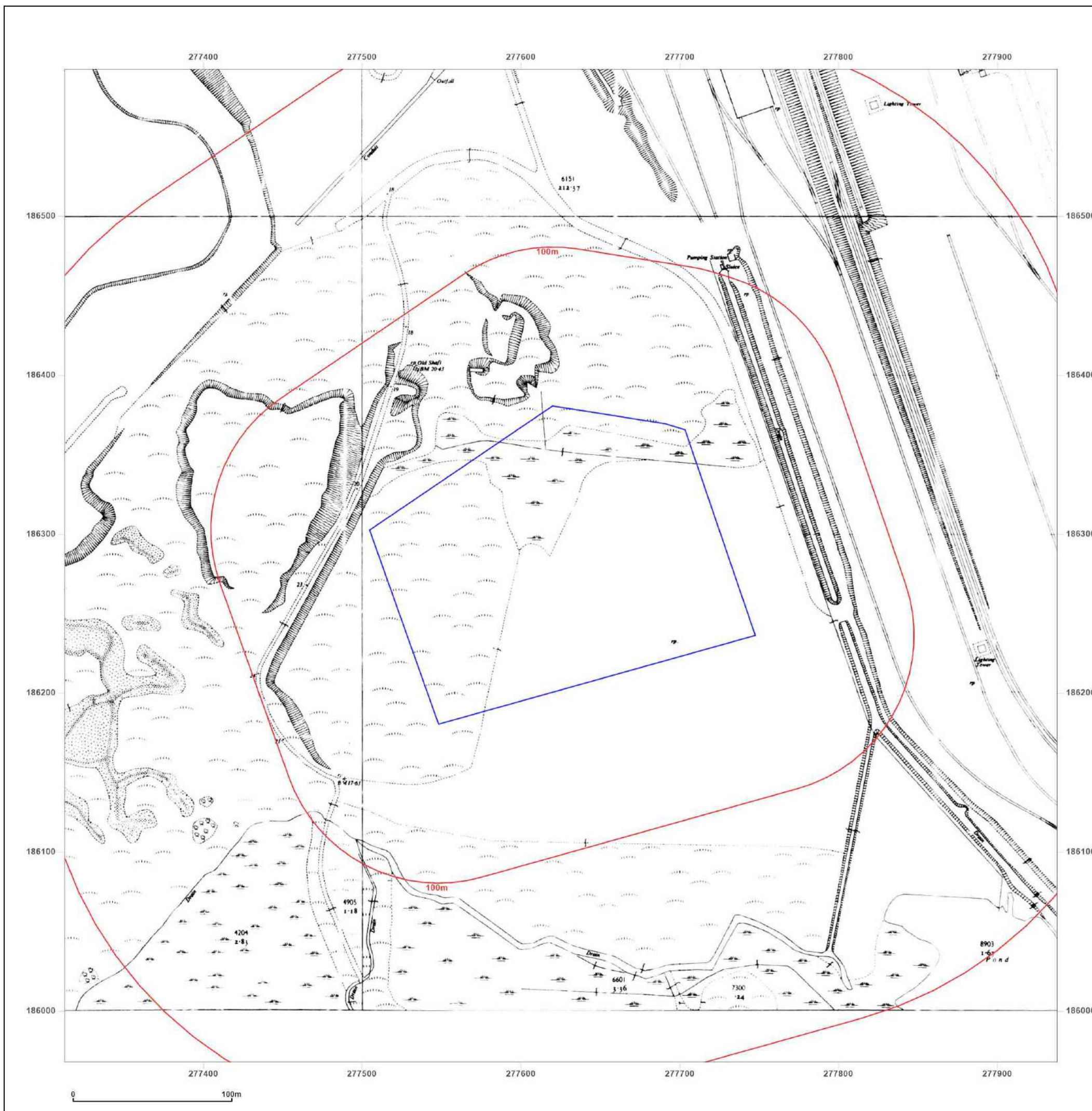


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**Grid Ref:** 277625, 186280

**Map Name:** National Grid

**Map date:** 1962

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