

B Ground Investigation



Tata Steel UK Limited

P Fields, Tata Steel, Port Talbot

Phase 1 Desk Study Report

315609 R01 (02)

RSK GENERAL NOTES

Project No.: 315609

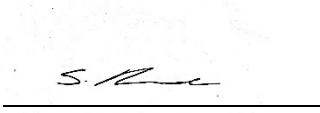
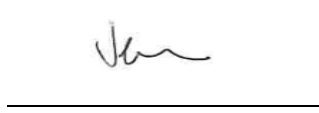
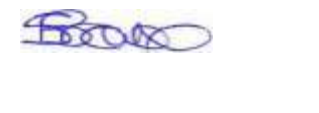
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Client: Tata Steel UK Limited

Date: August 2024

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Rev 01	Aug 24	Change of site layout	n/a	see above
Rev 02	Sept 24	Change of site layout	n/a	see above

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Where any data supplied by the client or from other sources have been used, it has been assumed that the information is correct. No responsibility can be accepted by RSK for inaccuracies in the data supplied by any other party. The conclusions and recommendations in this report are based on the assumption that all relevant information has been supplied by those bodies from whom it was requested.

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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.

CONTENTS

1	INTRODUCTION.....	3
1.1	Commissioning	3
1.2	Objectives	3
1.3	Scope of works	3
1.4	Existing reports	4
1.5	Limitations	4
2	SITE DETAILS.....	6
2.1	Site location.....	6
2.2	Site description	6
2.3	Surrounding land uses.....	6
2.4	Proposed development.....	7
3	DESK-BASED ASSESSMENT.....	8
3.1	Site history	8
3.1.1	Historical development record	8
3.1.2	Unexploded ordnance.....	9
3.2	Information from environmental database report.....	9
3.3	Summary of previous reports.....	11
3.4	Site geology	12
3.4.1	Anticipated geological sequence	12
3.4.2	BGS Borehole Data	12
3.4.3	Radon.....	13
3.5	Mining and quarrying	13
3.5.1	Coal mining area.....	13
3.6	Hydrogeology.....	13
3.7	Hydrology.....	14
3.8	Sensitive land uses	15
4	PRELIMINARY GEOTECHNICAL CONSTRAINTS	16
4.1	Design class.....	16
4.2	Preliminary geotechnical hazards assessment.....	16
4.2.1	Clay shrink-swell	18
4.3	Geotechnical risk register	18
5	INITIAL CONCEPTUAL SITE MODEL	20
5.1	Potential soil, soil vapour and groundwater linkages.....	20
5.1.1	Potential sources of contamination.....	20
5.1.2	Sensitive receptors and linking exposure/ migration pathways	21
5.2	Potential ground gas linkages.....	21
5.2.1	Ground gas generation potential	21
5.2.2	Potential coal mine gas sources	22
5.2.3	Radon.....	22
5.2.4	Preferential pathways for ground gas migration	22
5.3	Preliminary risk assessment	22
5.4	Data gaps and uncertainties	25
6	CONCLUSIONS AND RECOMMENDATIONS.....	26

6.1 Geo-environmental assessment	26
6.2 Geotechnical assessment.....	26
6.3 Recommendations	27
REFERENCES	28

FIGURES

Figure 1	Site location plan
Figure 2	Site layout plan

APPENDICES

Appendix A	Service constraints
Appendix B	Environmental database report
Appendix C	Third party data
Appendix D	Technical background

1 INTRODUCTION

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 12th 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

Site name	P Fields, Tata Steel
Full site address and Post code	Port Talbot, SA13 2NG
National Grid reference (centre of site)	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

North	Morfa Colliery Memorial, unnamed access road and industrial steelworks (BOS Plant Office) located approximately 150m from site.
East	Unnamed access road, Lower Mother Ditch (partially culverted drainage ditch), laydown area for steel block and industrial buildings further east.
South	Stockpiles of aggregates and lay down / storage areas. Further south are agricultural fields.
West	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	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. A railway line (connecting Grange Pit to Abbot Pit) was present immediately west of the site which was then occupied by marshlands. 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.
1940	-	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.
1962	Present day	The site and surrounding area has undergone significant redevelopment with the construction of the steelworks that remain to this present day. 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.

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
Agency and hydrological				
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. 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).
Landfill and waste				
Active landfills	-	-	-	
Historical / closed landfills	-	-	-	
Other waste management licences	-	-	-	
Potentially in-filled land (pit, quarry, pond, marsh, river, stream, dock etc)	-	-	-	
Hazardous substances/ industrial land uses				
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	-	-	-	
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.				

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

Report Details	Project Cronus 315075 R03 (01)Phase 2 Geoenvironmental Ground Investigation Report (March 2022)
Site coverage	Previous works under Project Cronus involved the south sections of this site and extended further south beyond this proposed development.
Summary scope of works	Boreholes, trial pits with geotechnical and contamination testing
Does the client have reliance upon the report?	Yes
Key factual findings	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. 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. 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. 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. Groundwater was encountered at shallow depth during the fieldworks and also within the deeper strata.
Report Details	Project Cronus 315075 R04 (00) Supplementary Phase 2 Geoenvironmental Ground Investigation Report (October 2022)
Site coverage	Previous works under Project Cronus involved the south sections of this site and extended further south beyond this proposed development.
Summary scope of works	Boreholes, trial pits with geotechnical and contamination testing

Does the client have reliance upon the report?	Yes
Key factual findings	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. 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. There was no olfactory or visual evidence of any gross contamination impact beyond the Tidal Flat Deposits.

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	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). 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). Groundwater quality beneath the site may be affected by saline intrusion.
Depth to groundwater and flow	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. It is also likely that shallow perched water may be present in any made ground deposits present on-site.
Rising groundwater levels	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.
Groundwater recharge/attenuation	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).
Licensed groundwater abstractions	The environmental database report indicates that there are no groundwater abstraction licences within 1km of the site.
Source protection zones	Information available in the Groundsure report indicates that the site does <u>not</u> lie within a currently designated groundwater Source Protection Zone (SPZ).

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	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. 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.
Surface water abstractions	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. The licences are shown to be historical with the earliest dated November 2010

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	☒	☐	Like to impact proposed development due to the presence of made ground and soft unconsolidated deposits.
Shrinkable clay soils ¹⁾	☒	☐	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)	☒	☐	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 ¹⁾	☒	☐	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	☐	☒	
Karstic dissolution features (including 'swallow holes' in Chalk terrain) ¹⁾	☐	☒	
Evaporite dissolution features and/or subsidence ¹⁾	☐	☒	
Ground subject to or at risk from landslides ¹⁾	☐	☒	
Ground subject to periglacial valley cambering with gulls possibly present	☐	☒	
Ground subject to or at risk from coastal or river erosion ¹⁾	☒	☐	Site considered at significant distance that it is not a risk.
High groundwater table (including waterlogged ground) ¹⁾	☒	☐	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 ¹⁾	☐	☒	
Geological faults, fissures and break lines	☐	☒	
Underground mining including shafts and adits (e.g. coal, mineral)	☒	☐	To be assessed under a separate cover.
Effects of extreme temperature (e.g. cold stores or brick kilns/furnaces)	☐	☒	

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)	☐	☒	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)	☒	☐	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)	☒	☐	Given the site's current land use this may affect ground engineering and construction.
Site topography, including presence of steep slopes	☐	☒	
Note: Seismicity is not included in the above table as this is not normally a design consideration in the UK. ¹⁾ The potential for these geohazards to impact the site may be exacerbated by climate change related fluctuations in temperature and precipitation.			

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
On-site	
S1 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.
S2 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).
S3 Former land uses (railway sidings and colliery workings)	Petroleum hydrocarbons, toxic and phytotoxic metals, inorganics, polycyclic aromatic hydrocarbons (PAHs) and asbestos.
Off-site	
S4 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
On-site		
S5 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
S6 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 m³ 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
Sources on site						
S1 Made Ground S2 Current land usage (steel block storage yard). S3 Former land uses (railway sidings / colliery workings)	R1 Future site users	P1 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.
	R2 Future adjacent site users – industrial workers	P2 Migration of contamination via dust/fibre deposition, vapour or groundwater migration combined with inhalation.	Unlikely	Mild	Very low	
	R3 Future proposed development	P3 Direct contact with contaminated soils or groundwater and chemical attack	Likely	Medium	Moderate	
	R4 Surface water in the Bristol Channel	P4 Groundwater in the secondary aquifer and Lower Mother Ditch outfall.	Low	Medium	Moderate/low	
S5 Natural soil strata with degradable organic content, e.g. alluvium, peat.	R1 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
S6 Made Ground. S7 Mine Gases	R2 Future adjacent site users – industrial workers		Unlikely	Medium	Low	

Potential source	Potential receptor	Possible pathway	Likelihood	Severity	Potential risk	Justification
Sources off site						
S4 Industrial process associated within the wider steelwork to the north	R1 Future site users	P2 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

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.

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FIGURES

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		Project ID 315609	
Dimension m	Size A4	Scale 1:25,000	Geolocation 277629,186302
Drawing no. 11101	Rev C01	File name 315609-BL-111-XX-D-G-11101-C01	

Figure 2 SITE LAYOUT PLAN

— Red Line Boundary

P01 Revised Boundary following Teta Comments	01/08/2020
P00 Initial Issue	19/07/2020
REV DESCRIPTION DRAWN BY CHECKED BY APPROVED BY	DATE
RIBA PLAN OF WORK WORKSTAGE	LEVEL OF MODEL DEFINITION (LoD)
Stage 3 - Spatial Coordination	LoD 3 - Approximate Model
PURPOSE OF ISSUE - SUITABLE FOR ...	STATUS or SUITABILITY
Planning Submission	Stage 5 - Delivery Team Information



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CLIENT
Tata Steel UK Ltd.

PROJECT TITLE
EAF PROJECT, PORT TALBOT

DRAWING TITLE
P Fields - Existing Site Plan

PROJECT No 20007	SCALE @ A0 As indicated		REVISION
DRAWINGS No 861182.2007	1102: Project - Originator - Volume - Level - Type - Note - Number 19020: Project - Originator - Functional - Spatial - Form - Discipline - Number Breakdown: Drawings	REVISION	
412.22016 & 412.28.1027000	EAF-LAW-P-X-DR-A-90102	P01	
DO NOT SCALE	Any discrepancy or query concerning this drawing should be referred to the Architect. Copyright © LAWRY LAMBERT Registered Office: Greenmeadows Spine 1 Car Gyverlyne, Tropicana, CARDFORD CF15 3TA Reg. Co. No. 2724708, VAT Reg. No. 154 2418 90		

APPENDICES

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's 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



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](#) ↗



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[Summary of findings](#)

[p. 2 >](#)

[Aerial image](#)

[p. 9 >](#)

[OS MasterMap site plan](#)

[p.14 >](#)

[Insight User Guide](#) ↗

Contact us with any questions at:

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Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	10	12	20	33	-
18 >	1.2 >	Historical tanks >	0	2	55	83	-
24 >	1.3 >	Historical energy features >	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	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
26 >	2.1 >	Historical industrial land uses >	10	17	24	42	-
30 >	2.2 >	Historical tanks >	0	3	61	135	-
37 >	2.3 >	Historical energy features >	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	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
41 >	4.1 >	Recent industrial land uses >	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 >	Control of Major Accident Hazards (COMAH) >	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 >	Historical licensed industrial activities (IPC) >	0	0	40	0	-
51 >	4.10 >	Licensed industrial activities (Part A(1)) >	0	0	155	1	-
74	4.11	Licensed pollutant release (Part A(2)/B)	0	0	0	0	-
74 >	4.12 >	Radioactive Substance Authorisations >	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 >	Pollution Incidents (EA/NRW) >	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	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
79 >	5.1 >	Superficial aquifer >	Identified (within 500m)				
81 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
82 >	5.3 >	Groundwater vulnerability >	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 >	Groundwater abstractions >	0	0	0	0	4
85 >	5.7 >	Surface water abstractions >	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	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m
89 >	6.1 >	Water Network (OS MasterMap) >	0	1	4	-	-



90 >	6.2 >	Surface water features >	0	1	2	-	-
90 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
91	6.4	WFD Surface water bodies	0	0	0	-	-
91 >	6.5 >	WFD Groundwater bodies >	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	Surface water flooding >					
95 >	8.1 >	Surface water flooding >	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
97 >	9.1 >	Groundwater flooding >	Low (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
98 >	10.1 >	Sites of Special Scientific Interest (SSSI) >	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
100 >	10.7 >	Designated Ancient Woodland >	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	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
107 >	12.1 >	Agricultural Land Classification >	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	Geology 1:10,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
110 >	14.1 >	10k Availability >	Identified (within 500m)				
111 >	14.2 >	Artificial and made ground (10k) >	1	0	0	0	-
112 >	14.3 >	Superficial geology (10k) >	1	1	1	0	-

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



138 >	18.6 >	Non-coal mining >	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	-
140 >	18.12 >	Coal mining >	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	Radon >					
144 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
146 >	21.1 >	BGS Estimated Background Soil Chemistry >	2	3	-	-	-
146	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
147	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects >	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	-	-
149 >	22.4 >	Historical railway and tunnel features >	9	8	46	-	-
151	22.5	Royal Mail tunnels	0	0	0	-	-



152	22.6	Historical railways	0	0	0	-	-
152 >	22.7 >	Railways >	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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Date: 8 July 2024

Recent site history - 2017 aerial photograph



Capture Date: 26/05/2017

Site Area: 3.18ha



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Date: 8 July 2024

Recent site history - 2009 aerial photograph



Capture Date: 12/10/2009

Site Area: 3.18ha



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Date: 8 July 2024

Recent site history - 2001 aerial photograph



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Capture Date: 27/08/2001

Site Area: 3.18ha



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Date: 8 July 2024

Recent site history - 2000 aerial photograph



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Capture Date: 21/07/2000

Site Area: 3.18ha



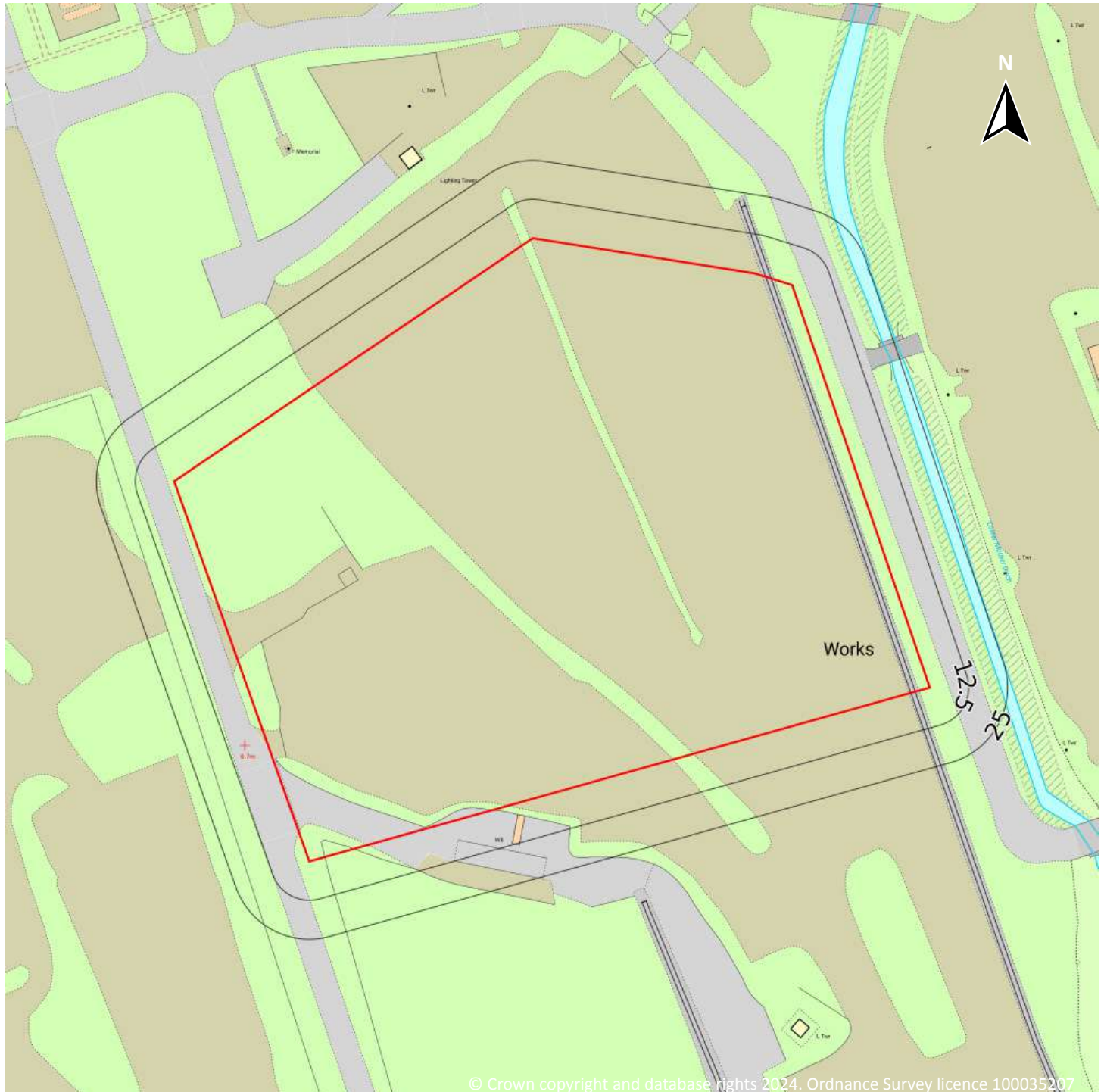
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Date: 8 July 2024

OS MasterMap site plan



Site Area: 3.18ha



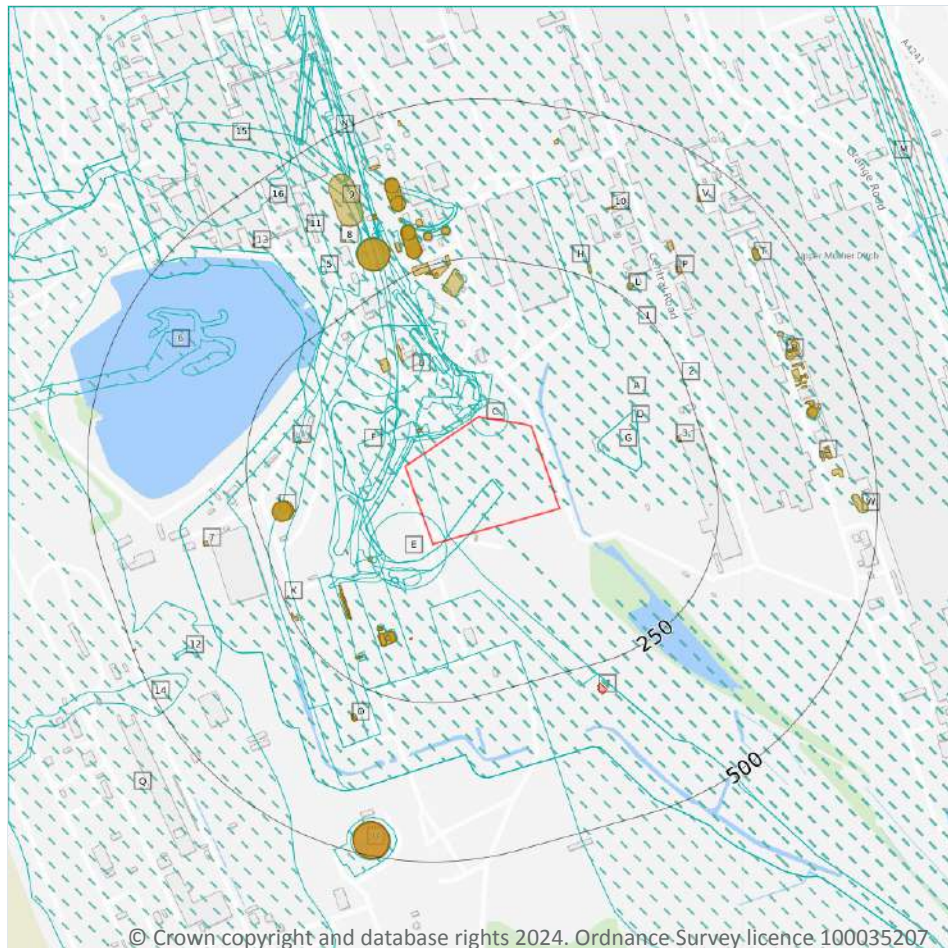
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Date: 8 July 2024

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
2	On site	Railway Sidings	1962 - 1969	387907
A	On site	Unspecified Works	1993	364744
A	On site	Unspecified Works	1982	390717
B	On site	Railway Sidings	1900	365943
C	On site	Unspecified Pit	1914	378102
C	On site	Colliery	1885 - 1900	381648
D	On site	Unspecified Works	1965	380536
D	On site	Railway Sidings	1993	382554
E	On site	Unspecified Pit	1900	387008
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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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

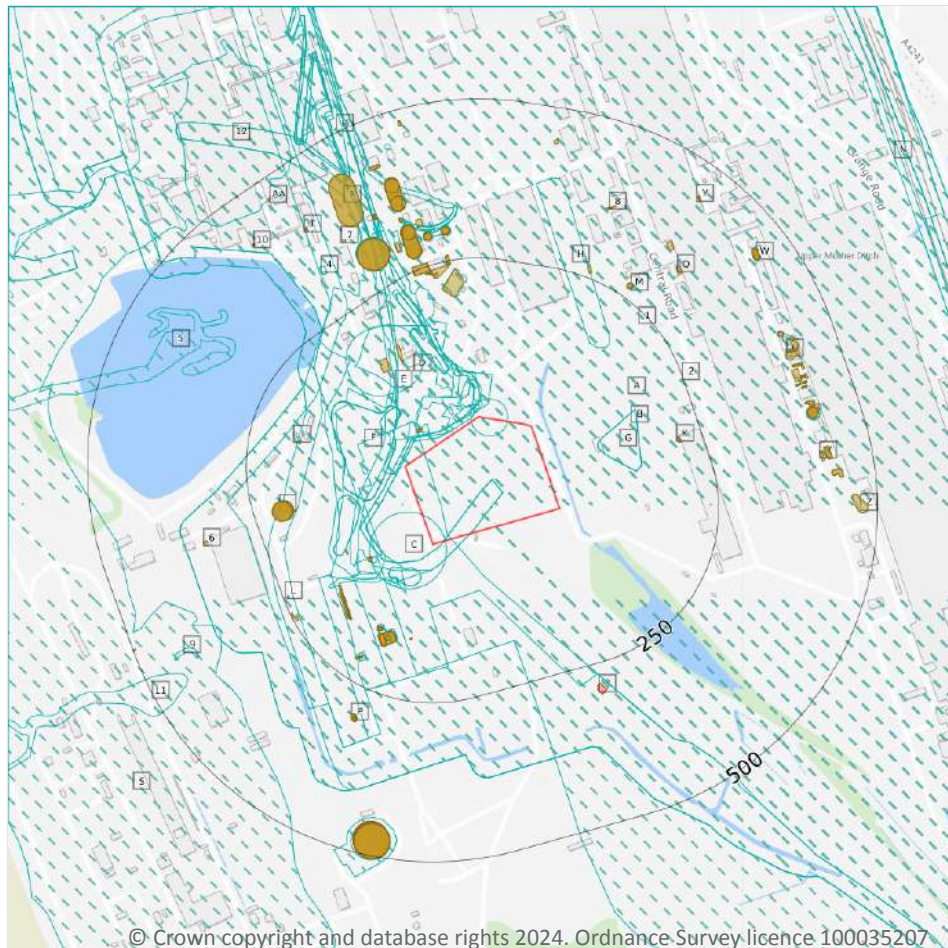
0

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
A	On site	Unspecified Works	1982	390717
B	On site	Unspecified Works	1965	380536
B	On site	Railway Sidings	1993	382554
C	On site	Unspecified Pit	1900	387008
D	On site	Railway Sidings	1900	365943
E	On site	Colliery	1900	381648
E	On site	Unspecified Pit	1914	378102
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

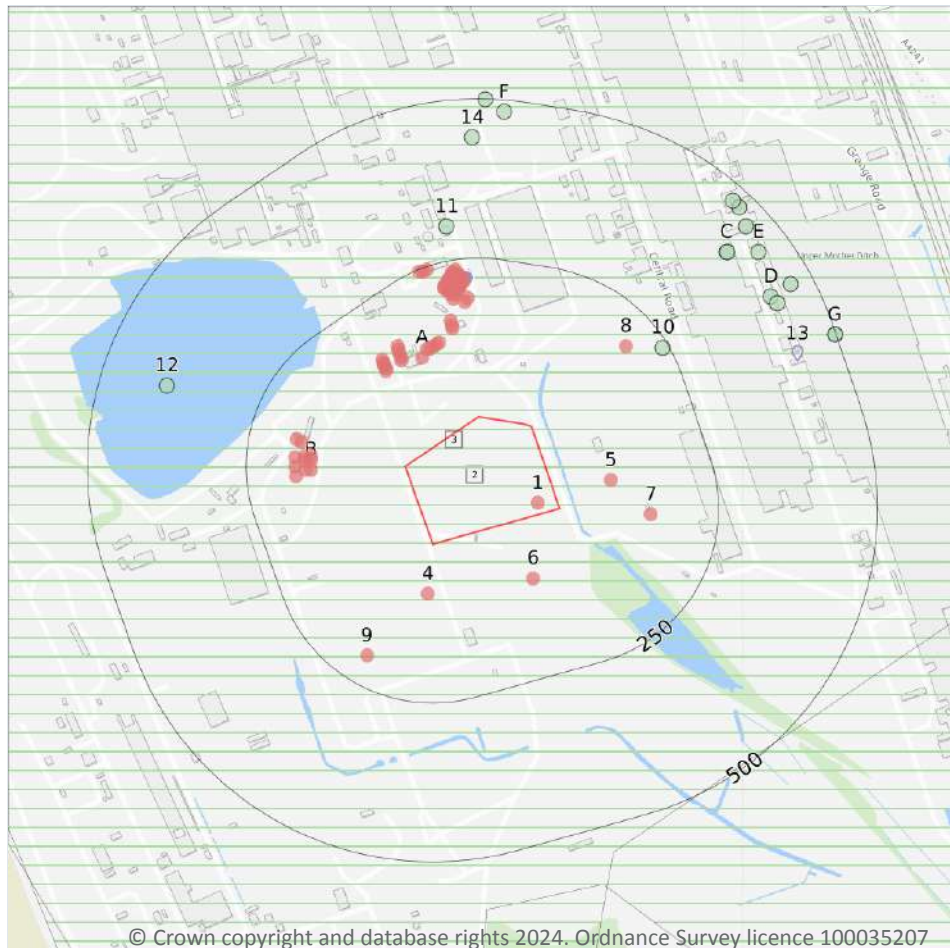
0

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

Records within 500m	0
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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 Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG Process: Combustion Processes Permit Number: AA2780	Original Permit Number: IPCAIRAPP Date Approved: 30-11-1991 Effective Date: 30-11-1991 Status: Superseded By Variation
A	220m N	Operator: Corus UK Ltd Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG Process: Carbonisation And Associated Processes Permit Number: AF8661	Original Permit Number: IPCAIRAPP Date Approved: 14-6-1993 Effective Date: 14-6-1993 Status: Superseded By Variation
A	220m N	Operator: Corus UK Ltd Address: Strip Products, Port Talbot, West Glamorgan, SA13 2NG Process: Combustion Processes Permit Number: AF9609	Original Permit Number: IPCMINVAR Date Approved: 15-1-1993 Effective Date: 15-1-1993 Status: Superseded By Variation



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



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



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



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



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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m	156
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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 Installation Name: Port Talbot Steel Works Process: ROASTING OR SINTERING METAL ORE, INCLUDING SULPHIDE ORE, OR ANY MIXTURE OF IRON ORE WITH OR WITHOUT OTHER MATERIALS Permit Number: BL7108IM Original Permit Number: -	EPR Reference: - Issue Date: 26/05/2023 Effective Date: 26/05/2023 Last date noted as effective: 02/04/2024 Status: Effective
A	220m N	Operator: Tata Steel UK Limited Installation Name: Port Talbot Steel Works Process: ROASTING OR SINTERING METAL ORE, INCLUDING SULPHIDE ORE, OR ANY MIXTURE OF IRON ORE WITH OR WITHOUT OTHER MATERIALS Permit Number: BL7108IM Original Permit Number: -	EPR Reference: - Issue Date: 26/05/2023 Effective Date: 26/05/2023 Last date noted as effective: 02/04/2024 Status: Effective
A	220m N	Operator: Tata Steel UK Limited Installation Name: Port Talbot Steel Works Process: ROASTING OR SINTERING METAL ORE, INCLUDING SULPHIDE ORE, OR ANY MIXTURE OF IRON ORE WITH OR WITHOUT OTHER MATERIALS Permit Number: BL7108IM Original Permit Number: -	EPR Reference: - Issue Date: 26/05/2023 Effective Date: 26/05/2023 Last date noted as effective: 02/04/2024 Status: Effective
A	220m N	Operator: TATA STEEL UK LIMITED Installation Name: PORT TALBOT STEEL WORKS Process: FERROUS METALS; PRODUCING ETC IN CRUCIBLES ETC (UNLESS 2.1 A (2) (A) OR (D)) Permit Number: AP3734CK Original Permit Number: BL7108IM	EPR Reference: - Issue Date: 12/07/2012 Effective Date: 12/07/2012 Last date noted as effective: 17/11/2015 Status: SUPERCEDED



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



ID	Location	Details	
A	220m N	Operator: Harsco Metals Group Ltd Installation Name: Port Talbot Steel Works 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 Permit Number: BP3635MR Original Permit Number: -	EPR Reference: - Issue Date: 02/03/2016 Effective Date: 02/03/2016 Last date noted as effective: 02/04/2024 Status: Effective
A	220m N	Operator: Tata Steel UK Limited Installation Name: Port Talbot Steel Works Process: - Permit Number: BL7108IM Original Permit Number: -	EPR Reference: - Issue Date: 26/05/2023 Effective Date: 26/05/2023 Last date noted as effective: 02/04/2024 Status: Effective
A	220m N	Operator: Tata Steel UK Limited Installation Name: Port Talbot Steel Works Process: - Permit Number: BL7108IM Original Permit Number: -	EPR Reference: - Issue Date: 26/05/2023 Effective Date: 26/05/2023 Last date noted as effective: 02/04/2024 Status: Effective
A	220m N	Operator: Tata Steel UK Limited Installation Name: Port Talbot Steel Works 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 Permit Number: BL7108IM Original Permit Number: -	EPR Reference: - Issue Date: 26/05/2023 Effective Date: 26/05/2023 Last date noted as effective: 02/04/2024 Status: Effective
A	220m N	Operator: Tata Steel UK Limited Installation Name: Port Talbot Steel Works Process: ROASTING OR SINTERING METAL ORE, INCLUDING SULPHIDE ORE, OR ANY MIXTURE OF IRON ORE WITH OR WITHOUT OTHER MATERIALS Permit Number: BL7108IM Original Permit Number: -	EPR Reference: - Issue Date: 26/05/2023 Effective Date: 26/05/2023 Last date noted as effective: 02/04/2024 Status: Effective



ID	Location	Details	
A	220m N	Operator: Harsco Metals Group Ltd Installation Name: Port Talbot Steel Works Process: - Permit Number: BP3635MR Original Permit Number: -	EPR Reference: - Issue Date: 02/03/2016 Effective Date: 02/03/2016 Last date noted as effective: 02/04/2024 Status: Effective
A	220m N	Operator: Tata Steel UK Limited Installation Name: Port Talbot Steel Works 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 Permit Number: BL7108IM Original Permit Number: -	EPR Reference: - Issue Date: 26/05/2023 Effective Date: 26/05/2023 Last date noted as effective: 02/04/2024 Status: Effective
A	220m N	Operator: Tata Steel UK Limited Installation Name: Port Talbot Steel Works 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 Permit Number: BL7108IM Original Permit Number: -	EPR Reference: - Issue Date: 26/05/2023 Effective Date: 26/05/2023 Last date noted as effective: 02/04/2024 Status: Effective
A	220m N	Operator: Tata Steel UK Limited Installation Name: Port Talbot Steel Works 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 Permit Number: BL7108IM Original Permit Number: -	EPR Reference: - Issue Date: 26/05/2023 Effective Date: 26/05/2023 Last date noted as effective: 02/04/2024 Status: Effective
A	220m N	Operator: Tata Steel UK Limited Installation Name: Port Talbot Steel Works 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 Permit Number: BL7108IM Original Permit Number: -	EPR Reference: - Issue Date: 26/05/2023 Effective Date: 26/05/2023 Last date noted as effective: 02/04/2024 Status: Effective



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



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



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



ID	Location	Details	
A	220m N	Operator: TATA STEEL UK LIMITED Installation Name: PORT TALBOT STEEL WORKS EPR/BL7108IM Process: ROASTING OR SINTERING METAL ORE, INCLUDING SULPHIDE ORE, OR ANY MIXTURE OF IRON ... Permit Number: BL7108IM Original Permit Number: JP3631ZK	EPR Reference: - Issue Date: 08/02/2016 Effective Date: 08/02/2016 Last date noted as effective: 01/04/2018 Status: EFFECTIVE
A	220m N	Operator: TATA STEEL UK LIMITED Installation Name: PORT TALBOT STEEL WORKS EPR/BL7108IM Process: ROASTING OR SINTERING METAL ORE, INCLUDING SULPHIDE ORE, OR ANY MIXTURE OF IRON ... Permit Number: BL7108IM Original Permit Number: JP3631ZK	EPR Reference: - Issue Date: 08/02/2016 Effective Date: 08/02/2016 Last date noted as effective: 01/04/2018 Status: EFFECTIVE
A	220m N	Operator: TATA STEEL UK LIMITED Installation Name: PORT TALBOT STEEL WORKS EPR/BL7108IM Process: ROASTING OR SINTERING METAL ORE, INCLUDING SULPHIDE ORE, OR ANY MIXTURE OF IRON ... Permit Number: BL7108IM Original Permit Number: JP3631ZK	EPR Reference: - Issue Date: 08/02/2016 Effective Date: 08/02/2016 Last date noted as effective: 01/04/2018 Status: EFFECTIVE
A	220m N	Operator: TATA STEEL UK LIMITED Installation Name: PORT TALBOT STEEL WORKS EPR/BL7108IM Process: ROASTING OR SINTERING METAL ORE, INCLUDING SULPHIDE ORE, OR ANY MIXTURE OF IRON ... Permit Number: BL7108IM Original Permit Number: JP3631ZK	EPR Reference: - Issue Date: 08/02/2016 Effective Date: 08/02/2016 Last date noted as effective: 01/04/2018 Status: EFFECTIVE
13	432m E	Operator: Tata Steel Installation Name: Cold Mill Effluent Treatment Plant Process: - Permit Number: AB3192HQ Original Permit Number: -	EPR Reference: - Issue Date: 20/11/2023 Effective Date: 20/11/2023 Last date noted as effective: 02/04/2024 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 Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: BA6321 Date of approval: 01/06/1998	Effective from: 01/06/1998 Last date of update: 01/01/2015 Status: Superseded By Variation
A	220m N	Corus Uk Ltd, Strip Products, Port Talbot, West Glamorgan, SA13 2NG	Operator: Corus Uk Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: BA6321 Date of approval: 26/06/2000	Effective from: 21/07/2000 Last date of update: 01/01/2015 Status: Superseded By Variation
A	220m N	Corus Uk Ltd, Strip Products, Port Talbot, West Glamorgan, SA13 2NG	Operator: Corus Uk Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: BA6321 Date of approval: 01/02/2002	Effective from: 01/02/2002 Last date of update: 01/01/2015 Status: Superseded By Variation
A	220m N	Corus Uk Ltd, Strip Products, Port Talbot, West Glamorgan, SA13 2NG	Operator: Corus Uk Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: BA6321 Date of approval: 01/12/2003	Effective from: 01/01/2004 Last date of update: 01/01/2015 Status: Superseded By Variation
A	220m N	Corus Uk Ltd, Strip Products, Port Talbot, West Glamorgan, SA13 2NG	Operator: Corus Uk Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: BA6321 Date of approval: 14/11/2008	Effective from: 12/12/2008 Last date of update: 01/01/2015 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 Incident Identification: 145304 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Dust	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
11	303m N	Incident Date: 16/03/2002 Incident Identification: 64445 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
12	395m W	Incident Date: 10/08/2001 Incident Identification: 23475 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
C	411m NE	Incident Date: 29/07/2002 Incident Identification: 95260 Pollutant: Oils and Fuel Pollutant Description: Gas and Fuel Oils	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
C	411m NE	Incident Date: 29/07/2002 Incident Identification: 95260 Pollutant: Oils and Fuel Pollutant Description: Gas and Fuel Oils	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
D	428m NE	Incident Date: 13/08/2003 Incident Identification: 181885 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
D	432m NE	Incident Date: 24/04/2003 Incident Identification: 153701 Pollutant: Contaminated Water Pollutant Description: Backwash Effluent	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
14	439m N	Incident Date: 28/04/2001 Incident Identification: 3732 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)



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

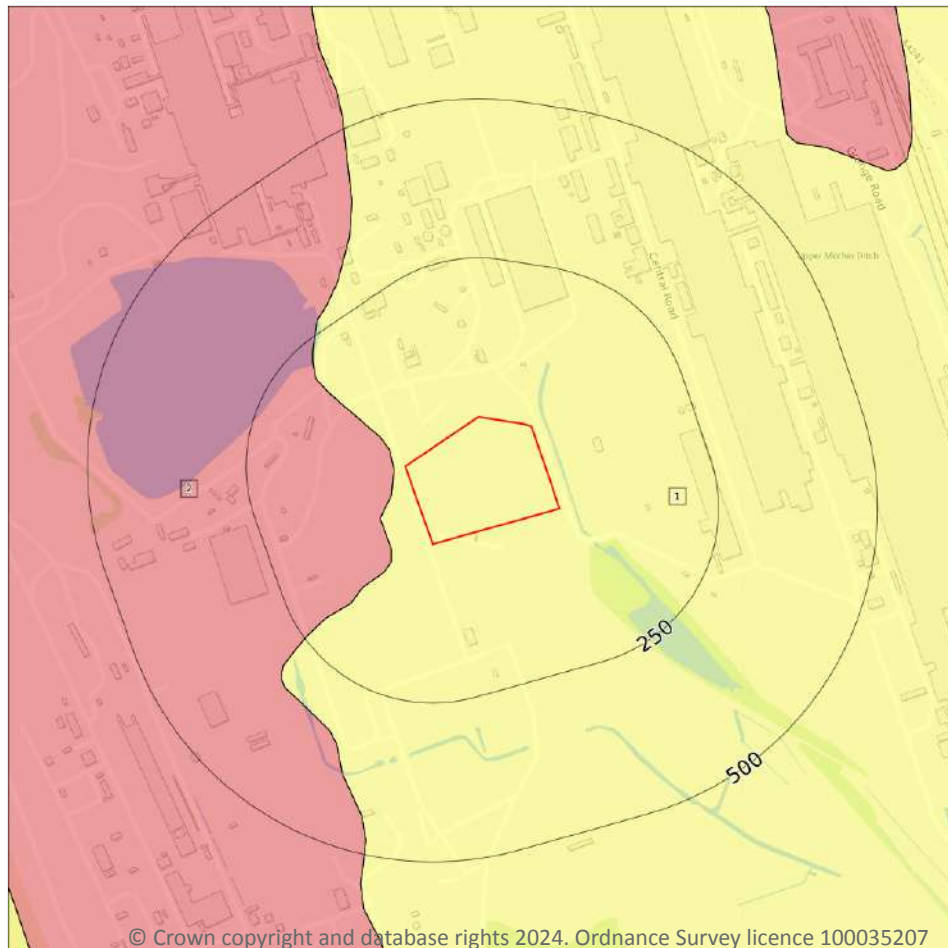
4.21 Pollution inventory radioactive waste

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 >](#)

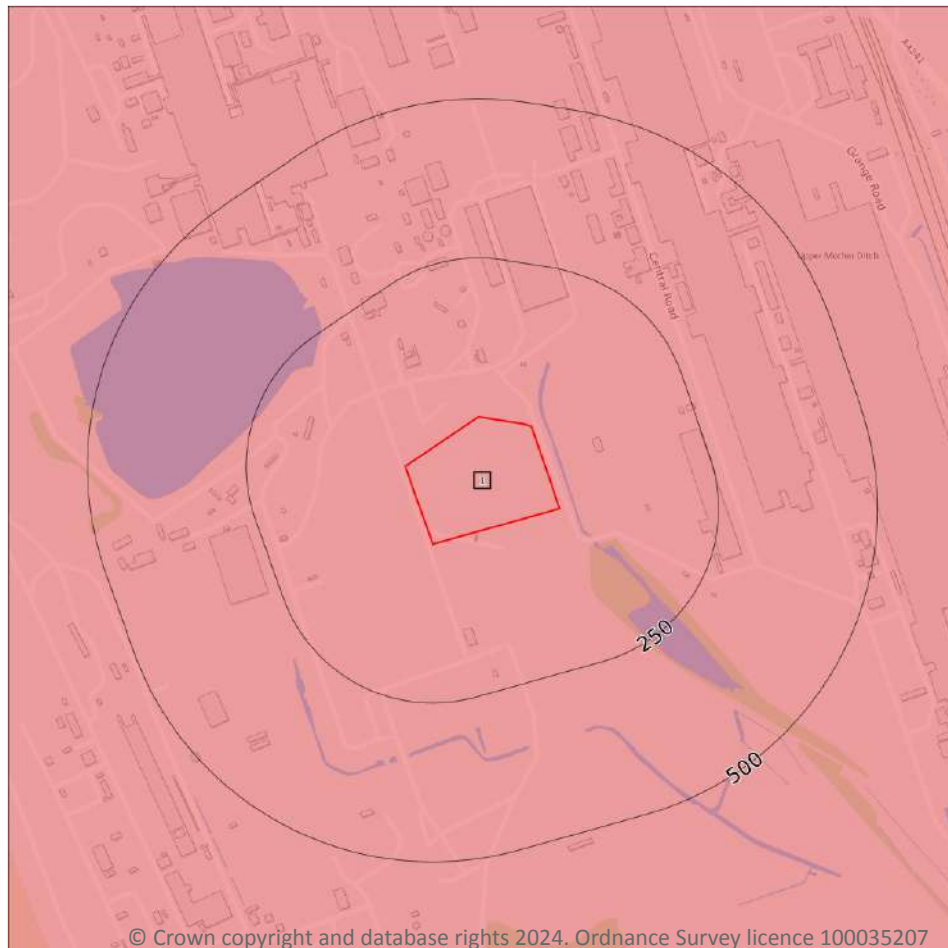
ID	Location	Designation	Description
1	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics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



Contact us with any questions at:

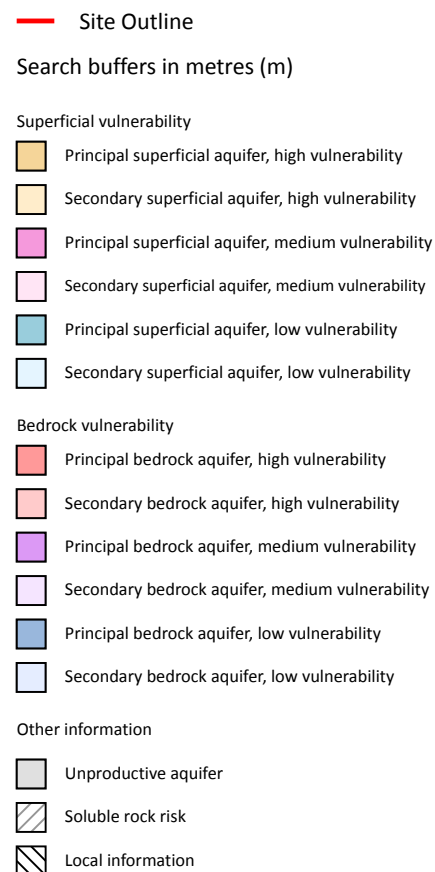
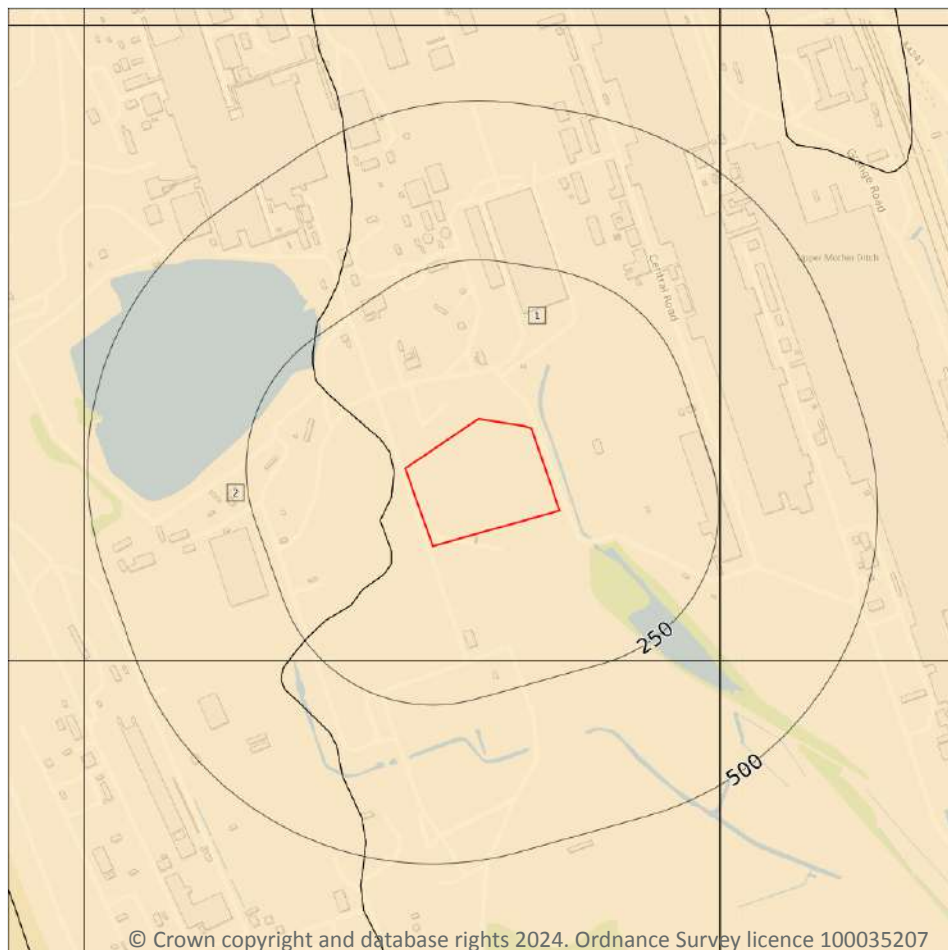
info@groundsure.com ↗

01273 257 755

Date: 8 July 2024

81

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	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: >550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
2	18m W	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: >550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well 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

Records on site	0
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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

Records on site	0
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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 ↗.

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 Licence No: 21/58/34/0003 Details: Evaporative Cooling - High Direct Source: Superficial Gravels Point: - Data Type: Point Name: - Easting: 278900 Northing: 185690	Annual Volume (m ³): 183960 Max Daily Volume (m ³): 501.6 Original Application No: - Original Start Date: 01/04/2017 Expiry Date: 31/03/2029 Issue No: - Version Start Date: - Version End Date: -
-	1275m SE	Status: Historical Licence No: 21/58/34/0003 Details: Evaporative Cooling Direct Source: EAW Groundwater Point: BOREHOLE 1 AT BOC MARGAM Data Type: Point Name: BOC Limited Easting: 278900 Northing: 185690	Annual Volume (m ³): 183960 Max Daily Volume (m ³): 501.6 Original Application No: - Original Start Date: 16/01/2009 Expiry Date: 31/03/2017 Issue No: 1 Version Start Date: 16/01/2009 Version End Date: -
-	1384m E	Status: Active Licence No: 21/58/34/0003 Details: Evaporative Cooling - High Direct Source: Superficial Gravels Point: - Data Type: Point Name: - Easting: 279040 Northing: 185740	Annual Volume (m ³): 0 Max Daily Volume (m ³): 501.6 Original Application No: - Original Start Date: 01/04/2017 Expiry Date: 31/03/2029 Issue No: - Version Start Date: - Version End Date: -
-	1384m E	Status: Historical Licence No: 21/58/34/0003 Details: Evaporative Cooling Direct Source: EAW Groundwater Point: BOREHOLE 2 AT BOC MARGAM Data Type: Point Name: BOC Limited Easting: 279040 Northing: 185740	Annual Volume (m ³): 183960 Max Daily Volume (m ³): 501.6 Original Application No: - Original Start Date: 16/01/2009 Expiry Date: 31/03/2017 Issue No: 1 Version Start Date: 16/01/2009 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 Licence No: 21/58/34/0002 Details: Evaporative Cooling - High Direct Source: - Point: - Data Type: Point Name: - Easting: 277730 Northing: 186460	Annual Volume (m ³): 1227420 Max Daily Volume (m ³): 3364.04 Original Application No: - Original Start Date: 12/11/2010 Expiry Date: - Issue No: - Version Start Date: - Version End Date: -
A	98m NE	Status: Active Licence No: 21/58/34/0002 Details: Process Water - Medium Direct Source: - Point: - Data Type: Point Name: - Easting: 277730 Northing: 186460	Annual Volume (m ³): 1227420 Max Daily Volume (m ³): 3364 Original Application No: - Original Start Date: 12/11/2010 Expiry Date: - Issue No: - Version Start Date: - Version End Date: -
A	98m NE	Status: Historical Licence No: 21/58/34/0002 Details: Process Water - Medium Direct Source: - Point: - Data Type: Point Name: - Easting: 277730 Northing: 186460	Annual Volume (m ³): 1227420 Max Daily Volume (m ³): - Original Application No: - Original Start Date: 12/11/2010 Expiry Date: - Issue No: - Version Start Date: - Version End Date: -
A	98m NE	Status: Historical Licence No: 21/58/34/0002 Details: Evaporative Cooling - High Direct Source: - Point: - Data Type: Point Name: - Easting: 277730 Northing: 186460	Annual Volume (m ³): 1227420 Max Daily Volume (m ³): - Original Application No: - Original Start Date: 12/11/2010 Expiry Date: - Issue No: - Version Start Date: - Version End Date: -
A	98m NE	Status: Historical Licence No: 21/58/34/0002 Details: Process Water Direct Source: EAW Surface Water Point: DITCH PASSING THROUGH ABBEY WORKS (MOTHER DITCH POINT B) Data Type: Point Name: Tata Steel UK Limited Easting: 277730 Northing: 186460	Annual Volume (m ³): 1227420 Max Daily Volume (m ³): 3364.04 Original Application No: - Original Start Date: 25/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 12/11/2010 Version End Date: -



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

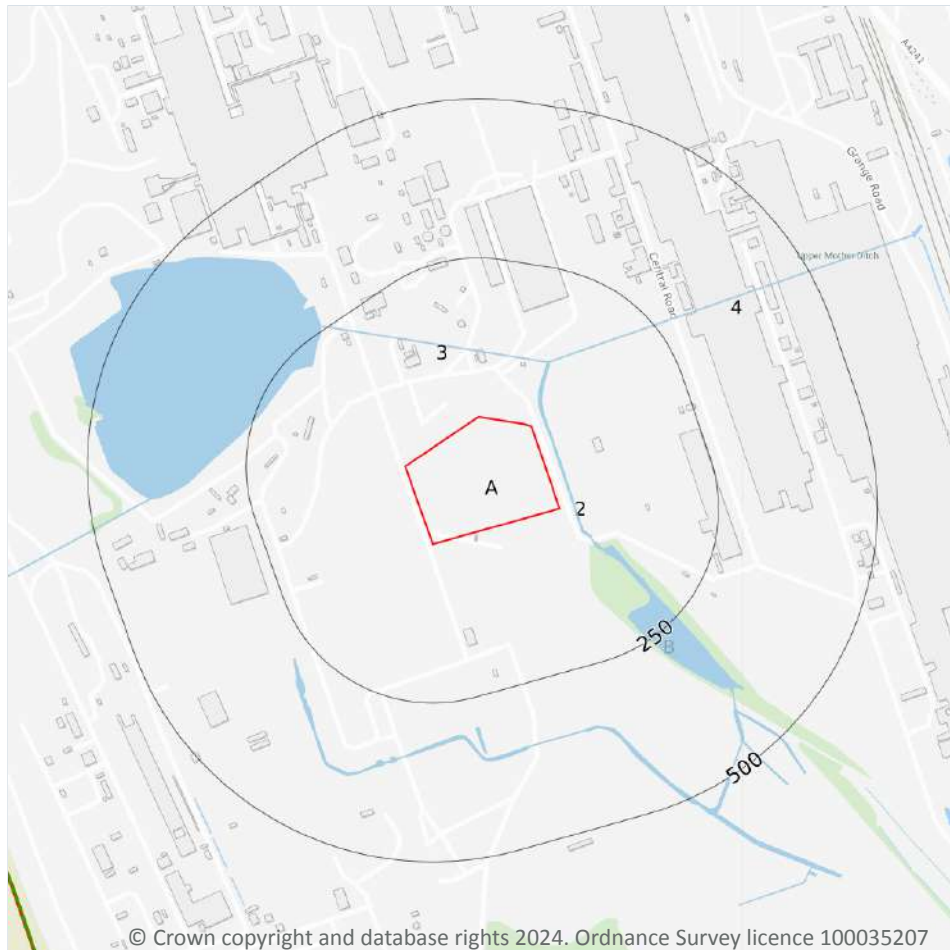
0

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 Carboniferous Coal 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.

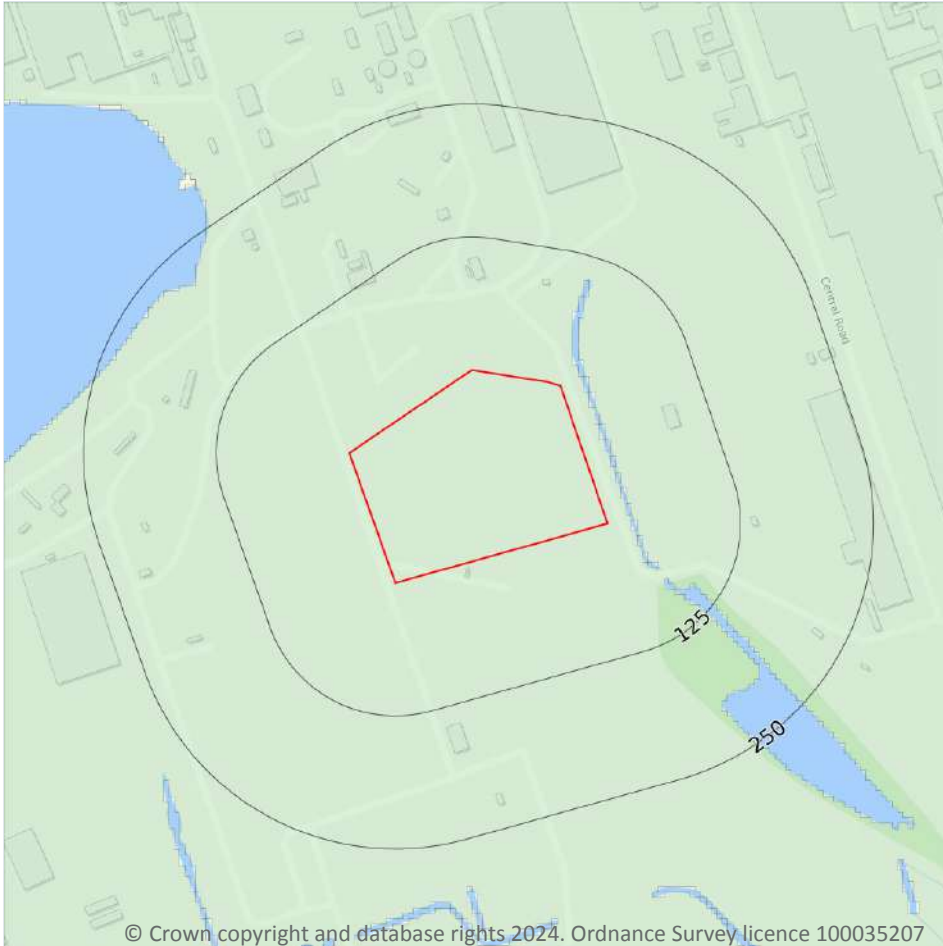
The table below shows the maximum flood depths for a range of return periods for the site.

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

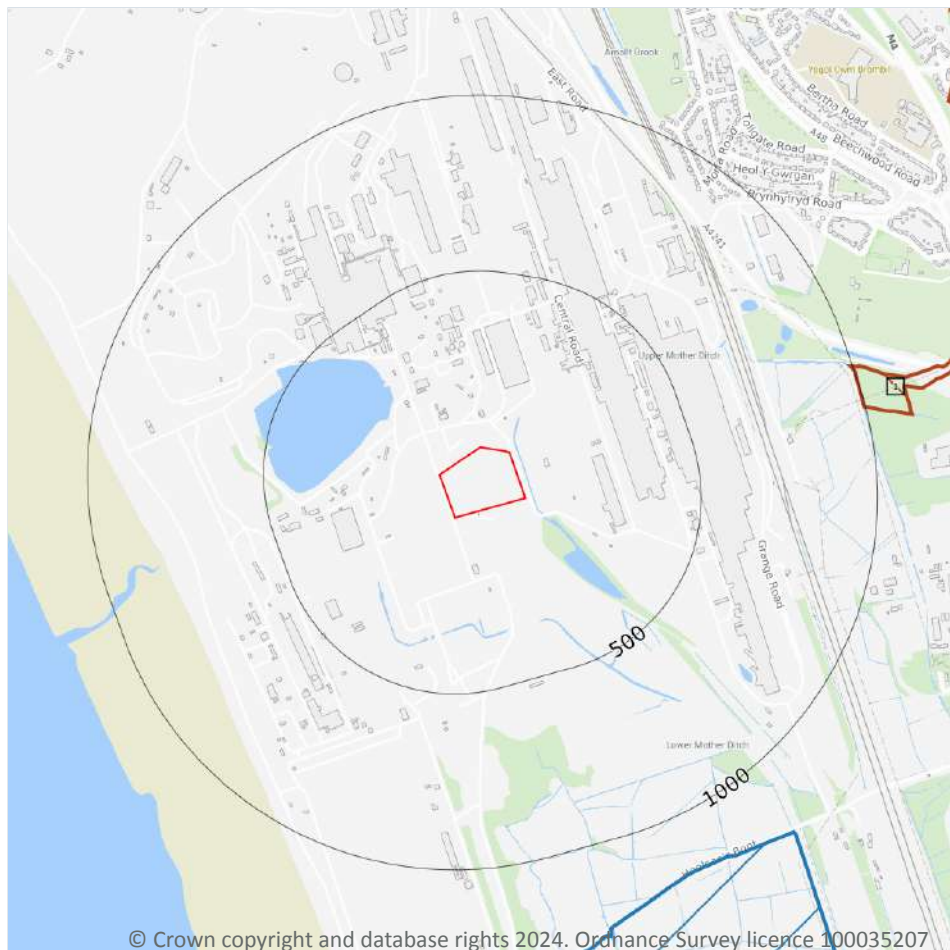
Low

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)

Records within 2000m	0
-----------------------------	----------

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)

Records within 2000m	0
-----------------------------	----------

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)

Records within 2000m	0
-----------------------------	----------

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)

Records within 2000m	0
-----------------------------	----------

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

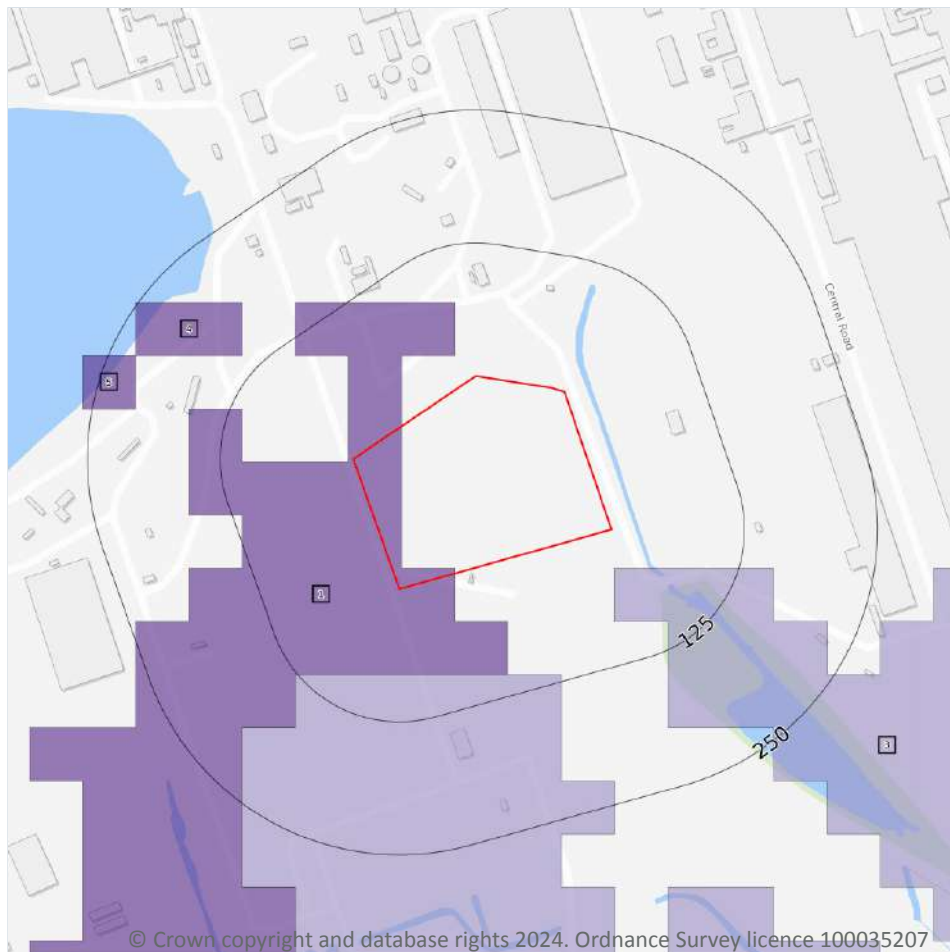
0

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

110

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.

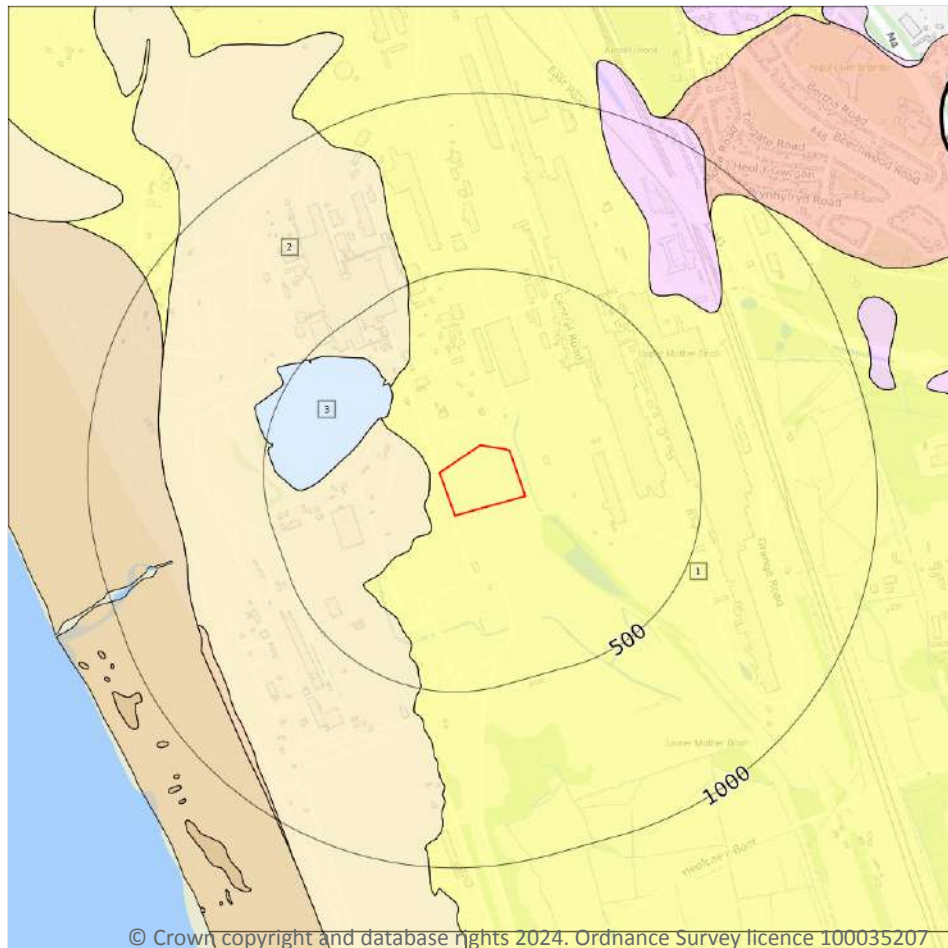
Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on [page 111](#) >

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

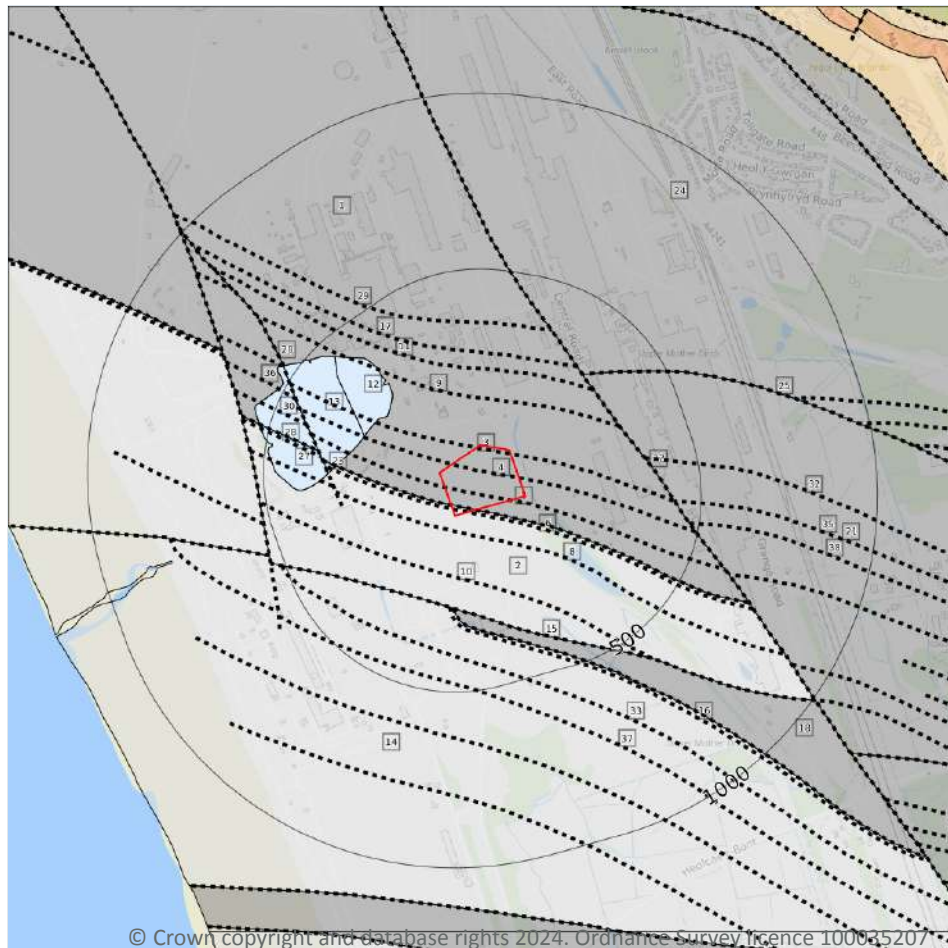
0

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	Bolsovia Sub-age - Duckmantian Sub-age
21	294m NE	SWMCM-MDSS	South Wales Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovia 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	Bolsovia 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

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

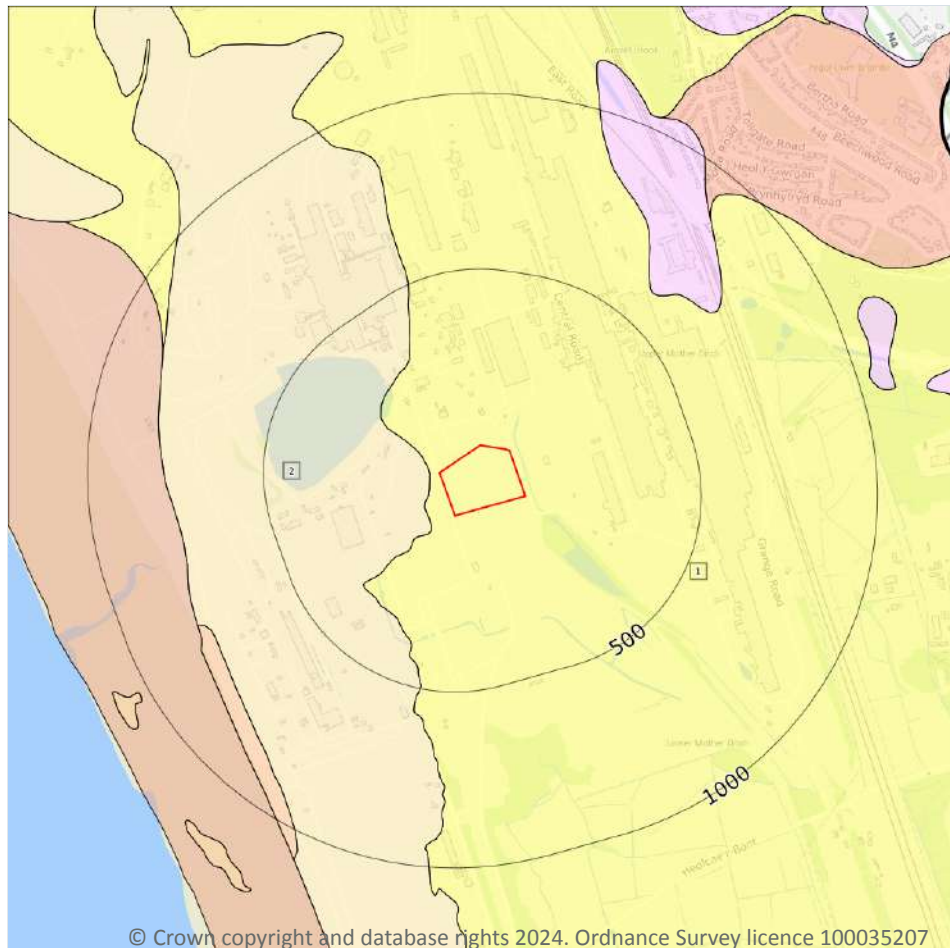
A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

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
On site	Intergranular	Moderate	Very Low
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

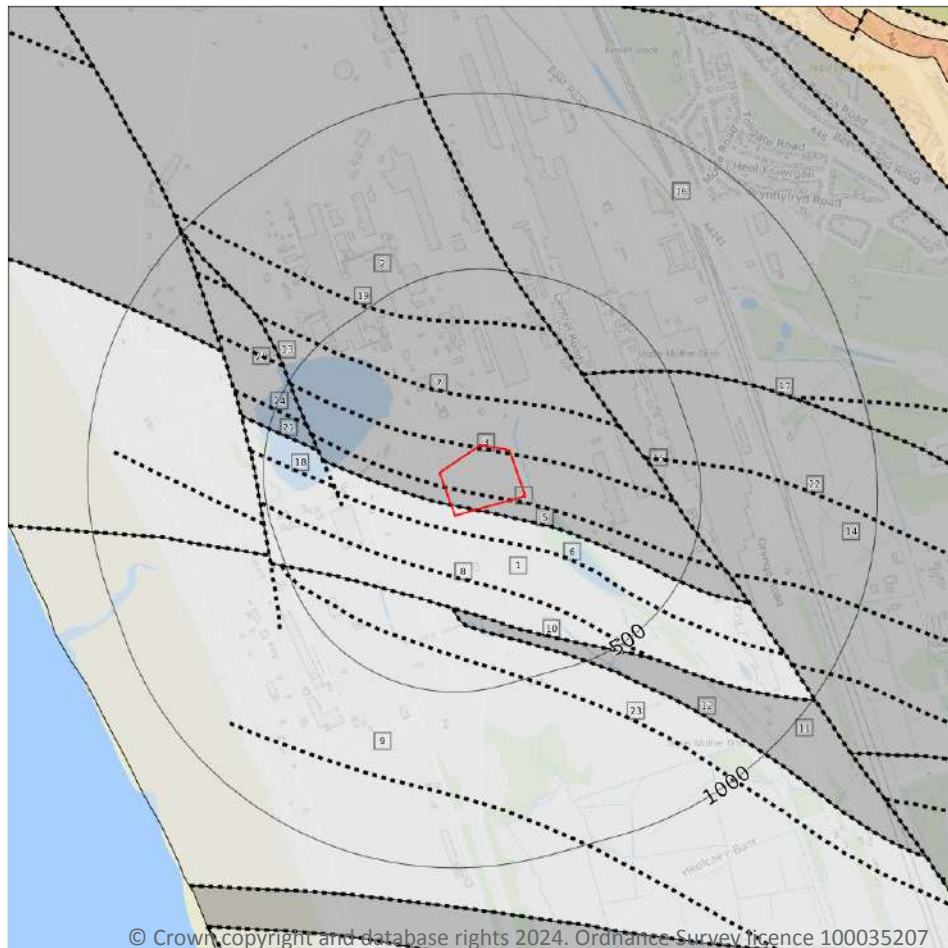
0

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)

Records within 50m	2
---------------------------	----------

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)

Records within 500m	17
----------------------------	-----------

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

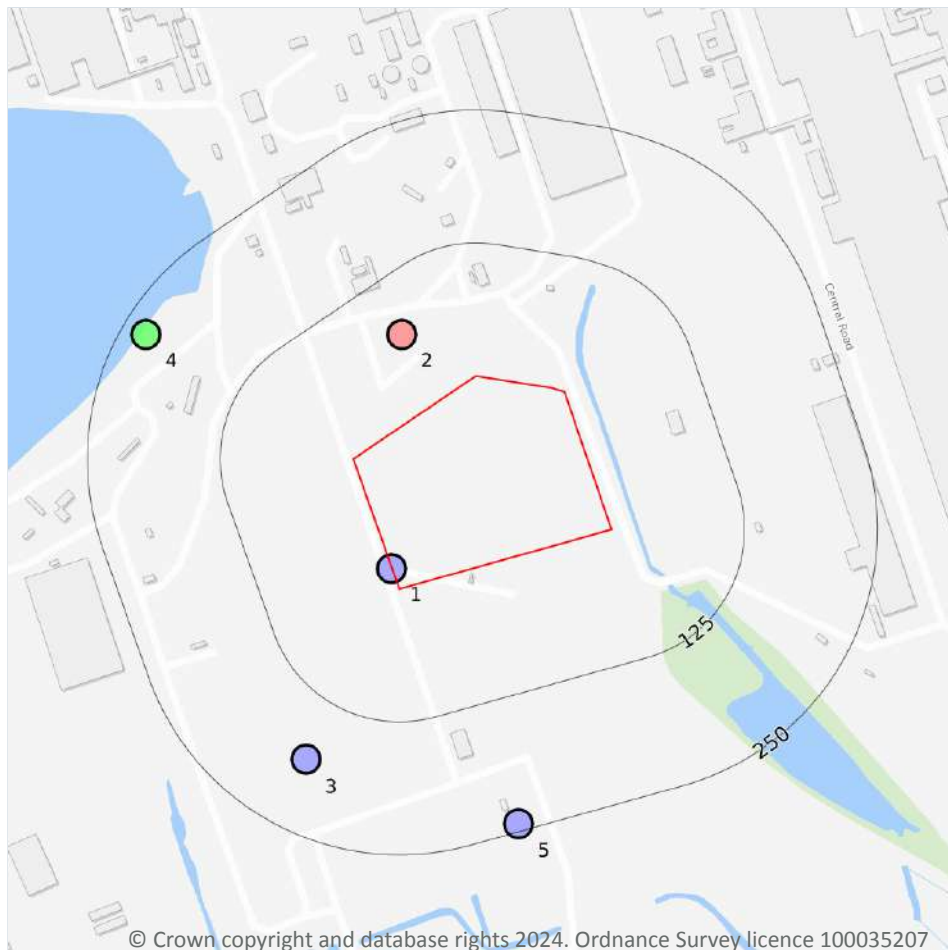


ID	Location	Category	Description
6	43m SW	ROCK	Coal seam, inferred
7	133m N	ROCK	Coal seam, inferred
8	167m SW	ROCK	Coal seam, inferred
10	253m SW	FAULT	Reverse or thrust fault, inferred
12	263m S	FOSSIL_HORIZON	Marine band
13	291m W	FAULT	Fault, observed, displacement unknown
15	294m NE	FAULT	Fault, 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	370792 ↗
2	72m NW	277550 186420	MORFA COLLIERY, GRANGE PIT, PORT TALBOT	371.94	N	370671 ↗
3	183m SW	277460 186020	MARGAM STEEL WORKS. NO.WR2	6.4	N	370791 ↗

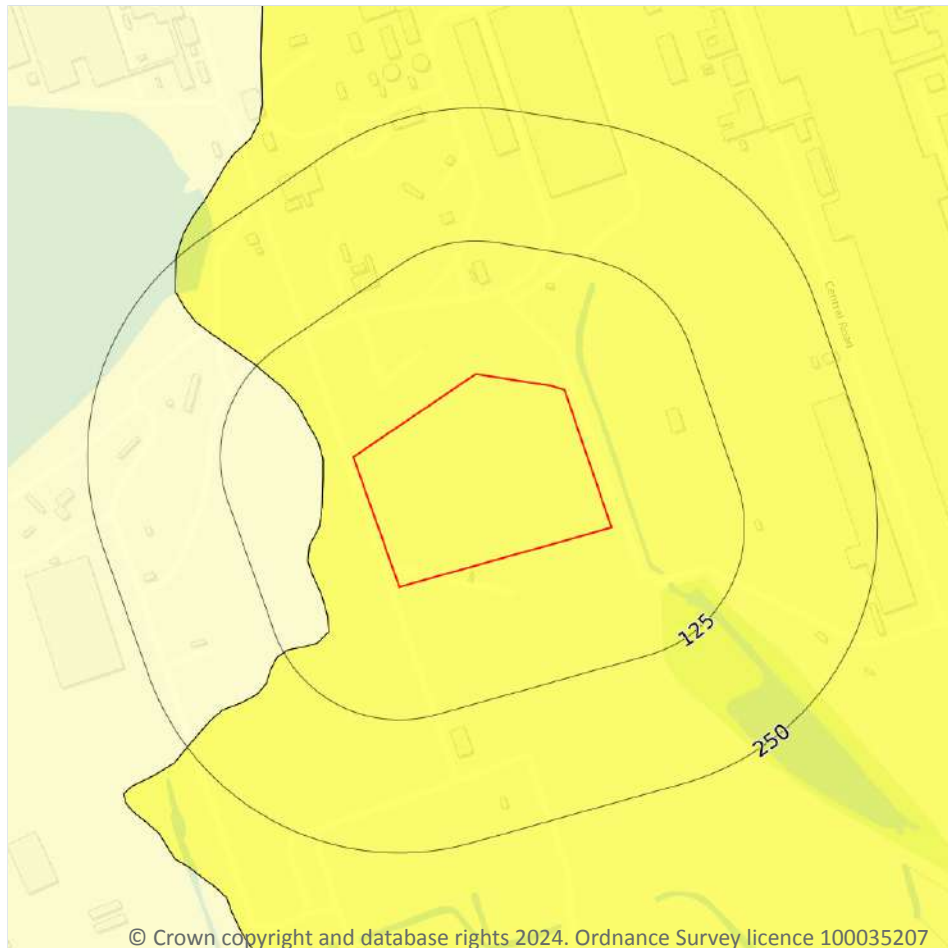


ID	Location	Grid reference	Name	Length	Confidential	Web link
4	227m NW	277310 186420	MARGAM STEEL WORKS. NO.R7	12.19	N	370770 ↗
5	243m S	277660 185960	MARGAM STEEL WORKS. NO.WR5	4.57	N	370794 ↗

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).

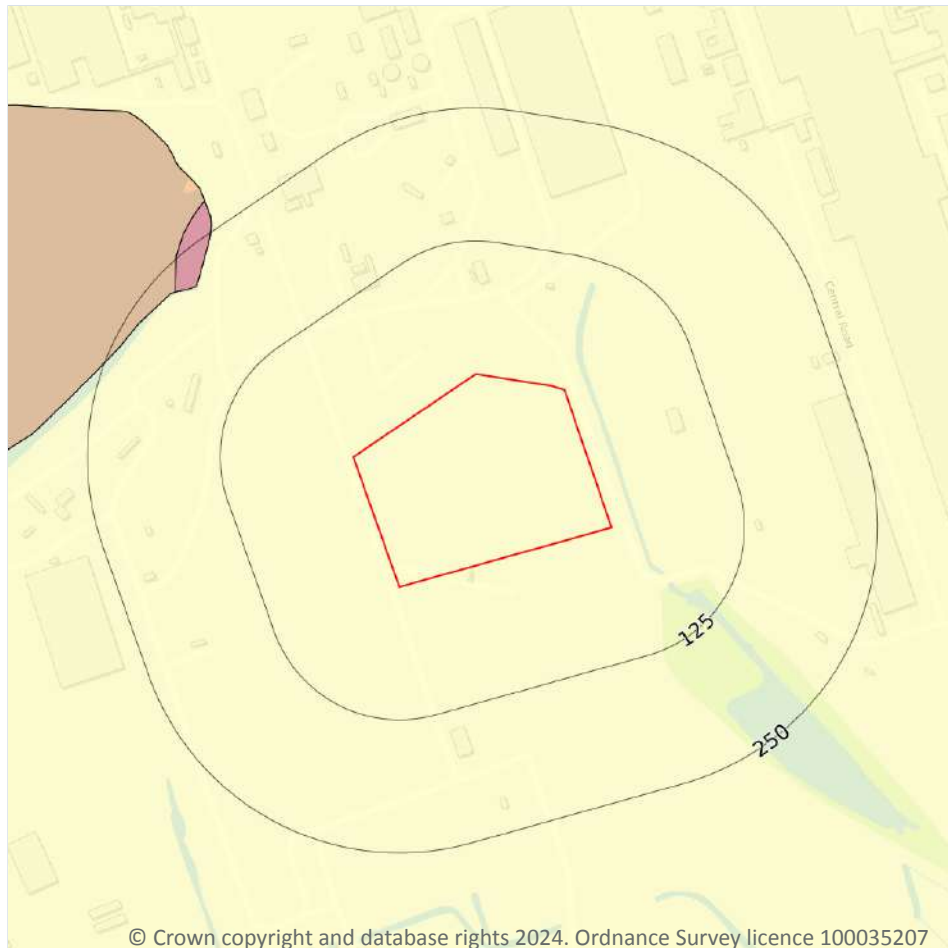
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 127 >](#)

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.

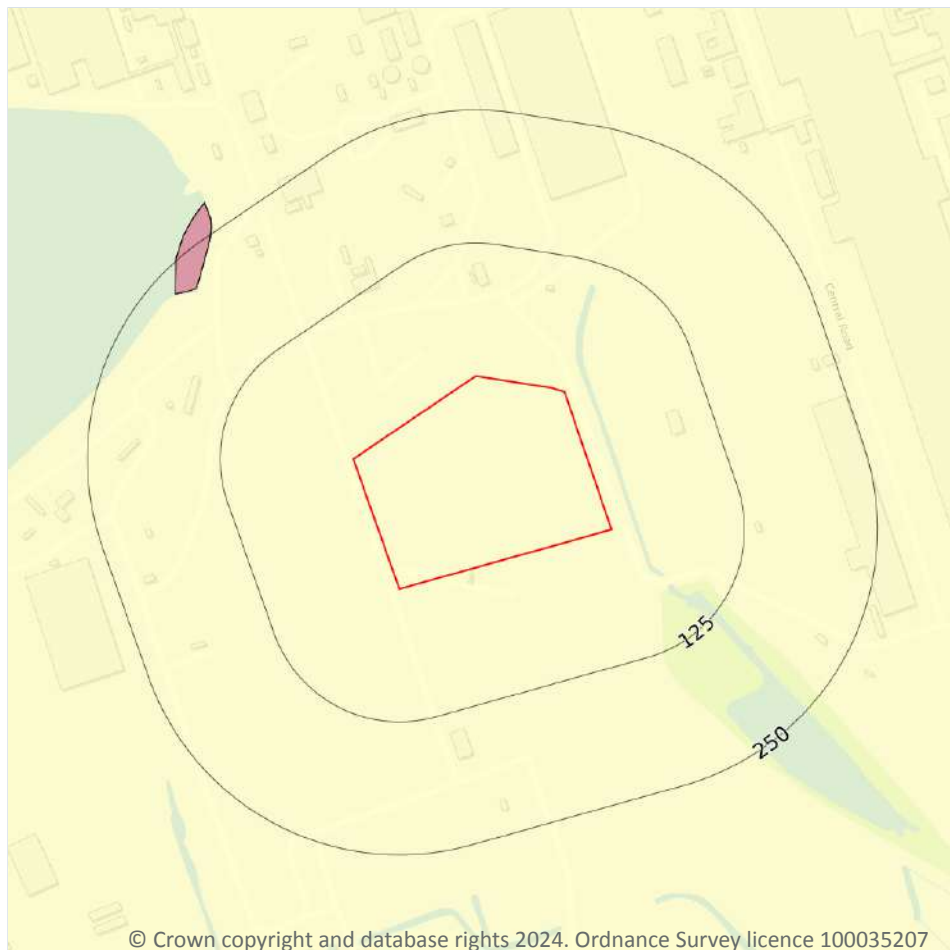
Features are displayed on the Natural ground subsidence - Running sands map on [page 128 >](#)

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

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.

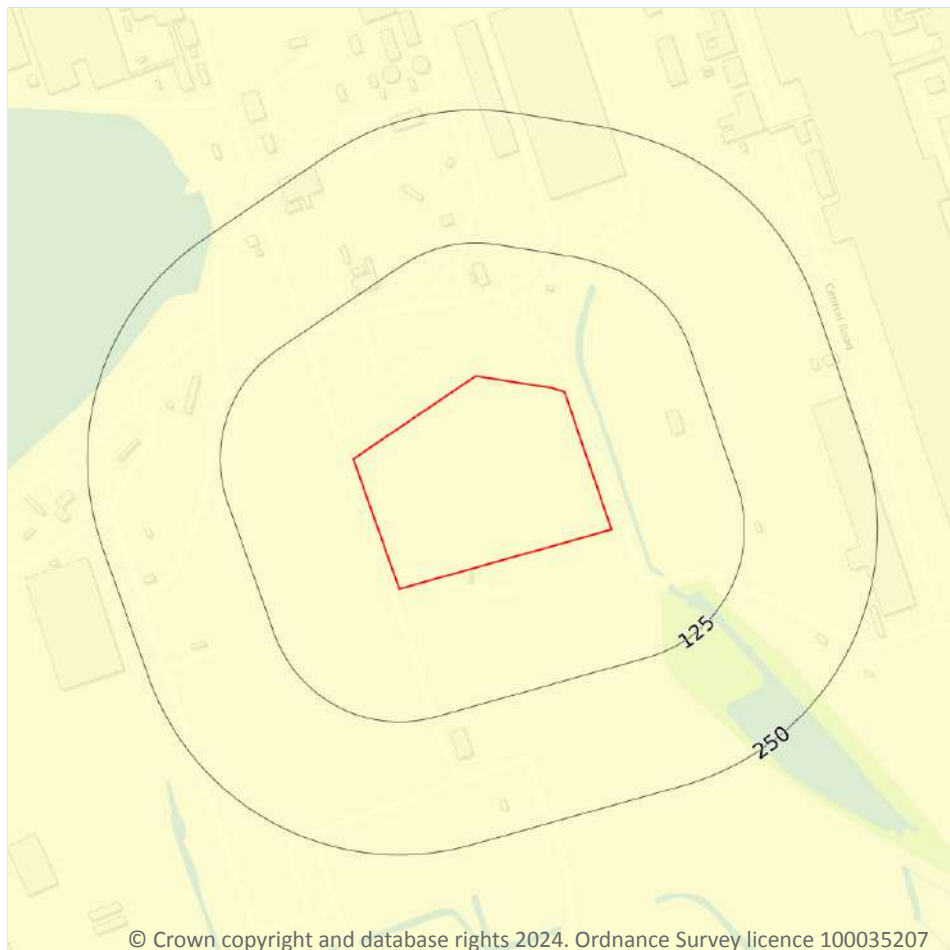
Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 129 >](#)

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.

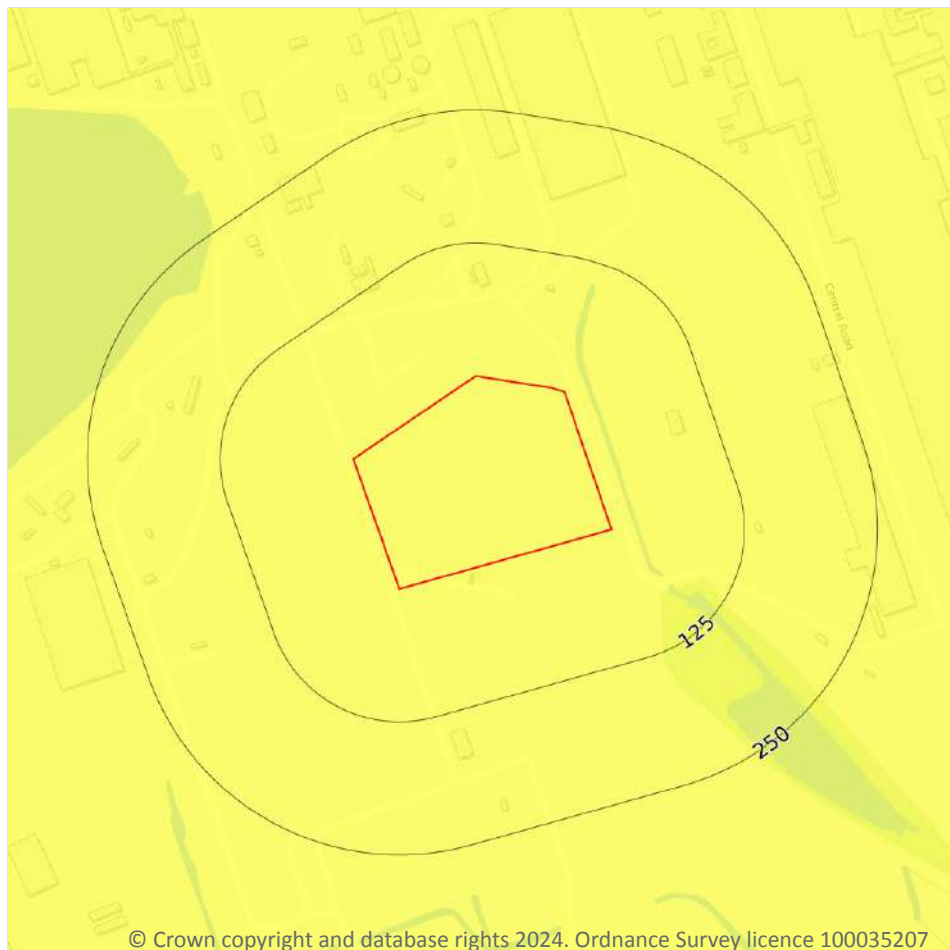
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 130 >](#)

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

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.

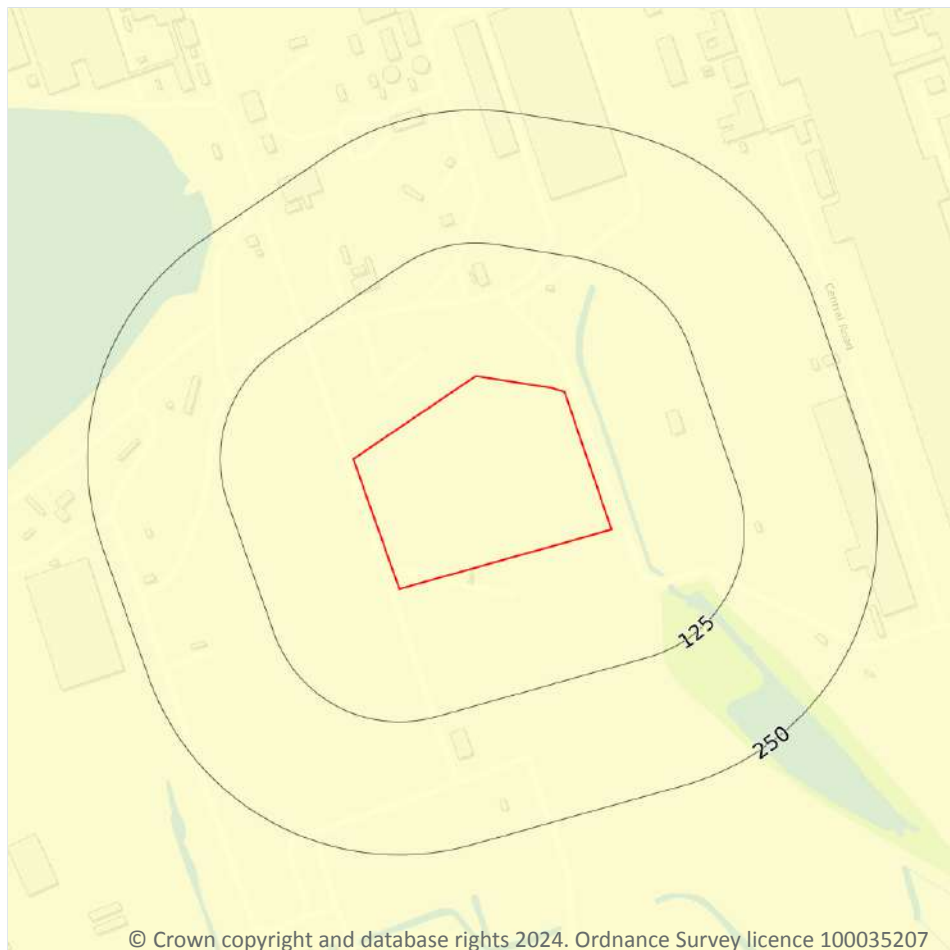
Features are displayed on the Natural ground subsidence - Landslides map on [page 131](#) >

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



- 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](#) >

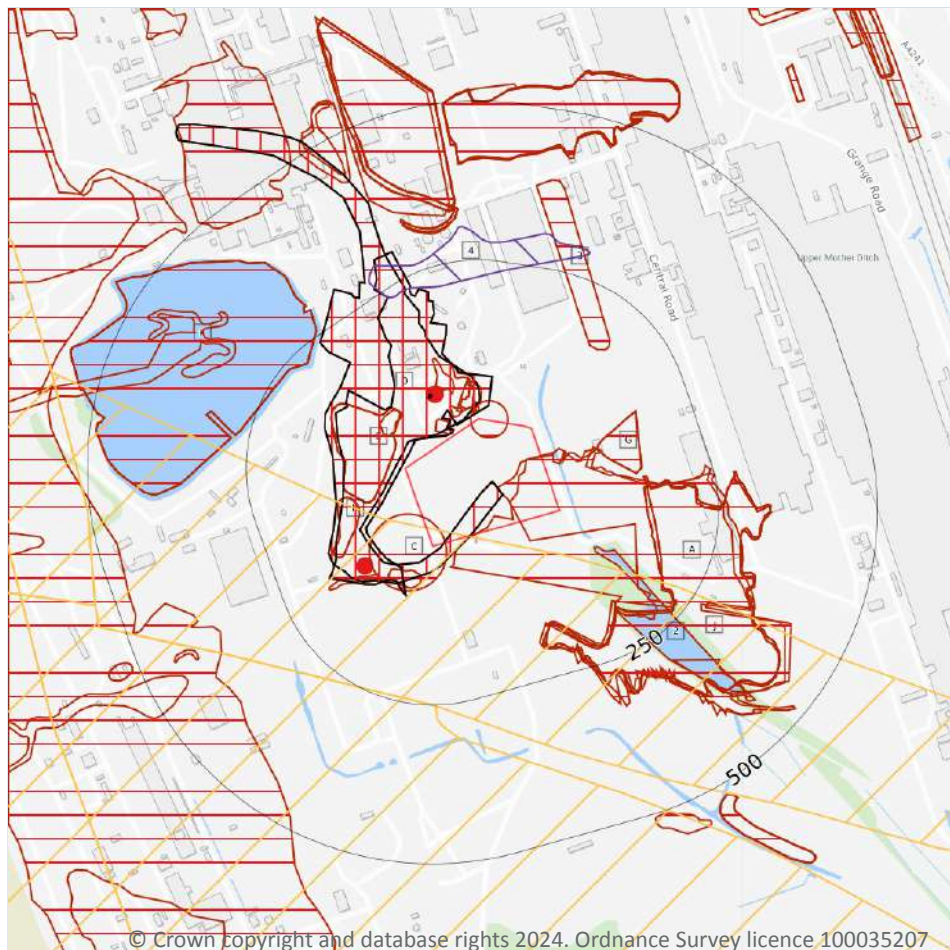
Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.



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 Address: Margam, PORT TALBOT, West Glamorgan Commodity: Coal, Deep 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) 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 Address: Margam, PORT TALBOT, West Glamorgan Commodity: Coal, Deep 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) 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

Records within 250m	34
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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.

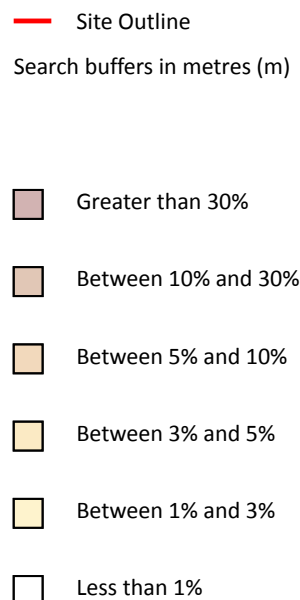
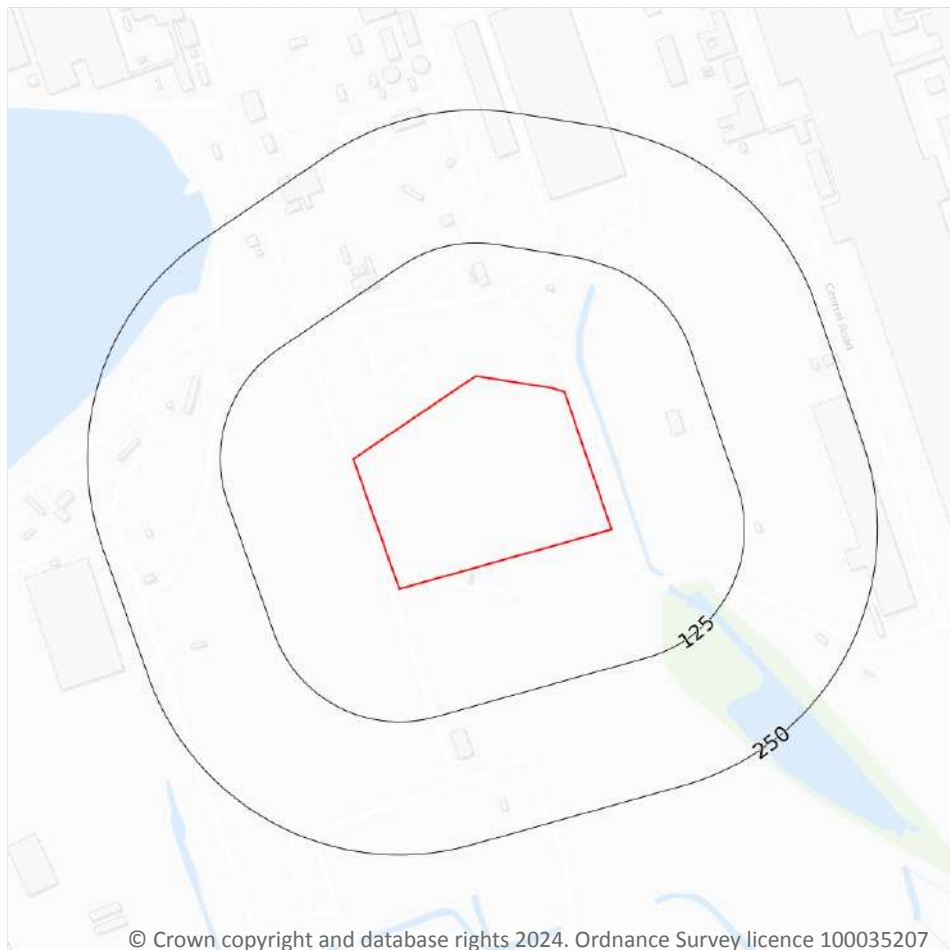
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over 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 km². 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 km²; 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 km²).

This data is sourced from the British Geological Survey.



21.3 BGS Measured Urban Soil Chemistry

Records within 50m

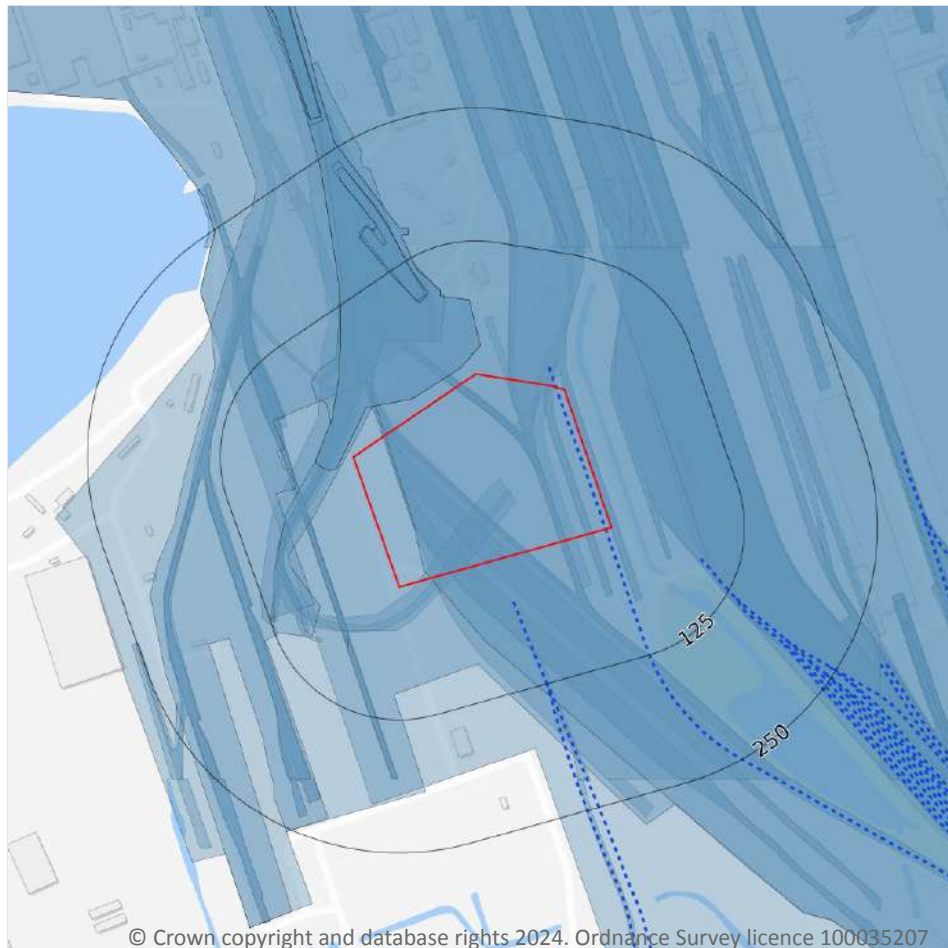
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The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km².

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
On site		rail
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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P Fields, Tata Steel, Port Talbot

Client Ref: P02151174
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



Surveyed 1878
 Revised 1878
 Edition N/A
 Copyright N/A
 Levelled N/A

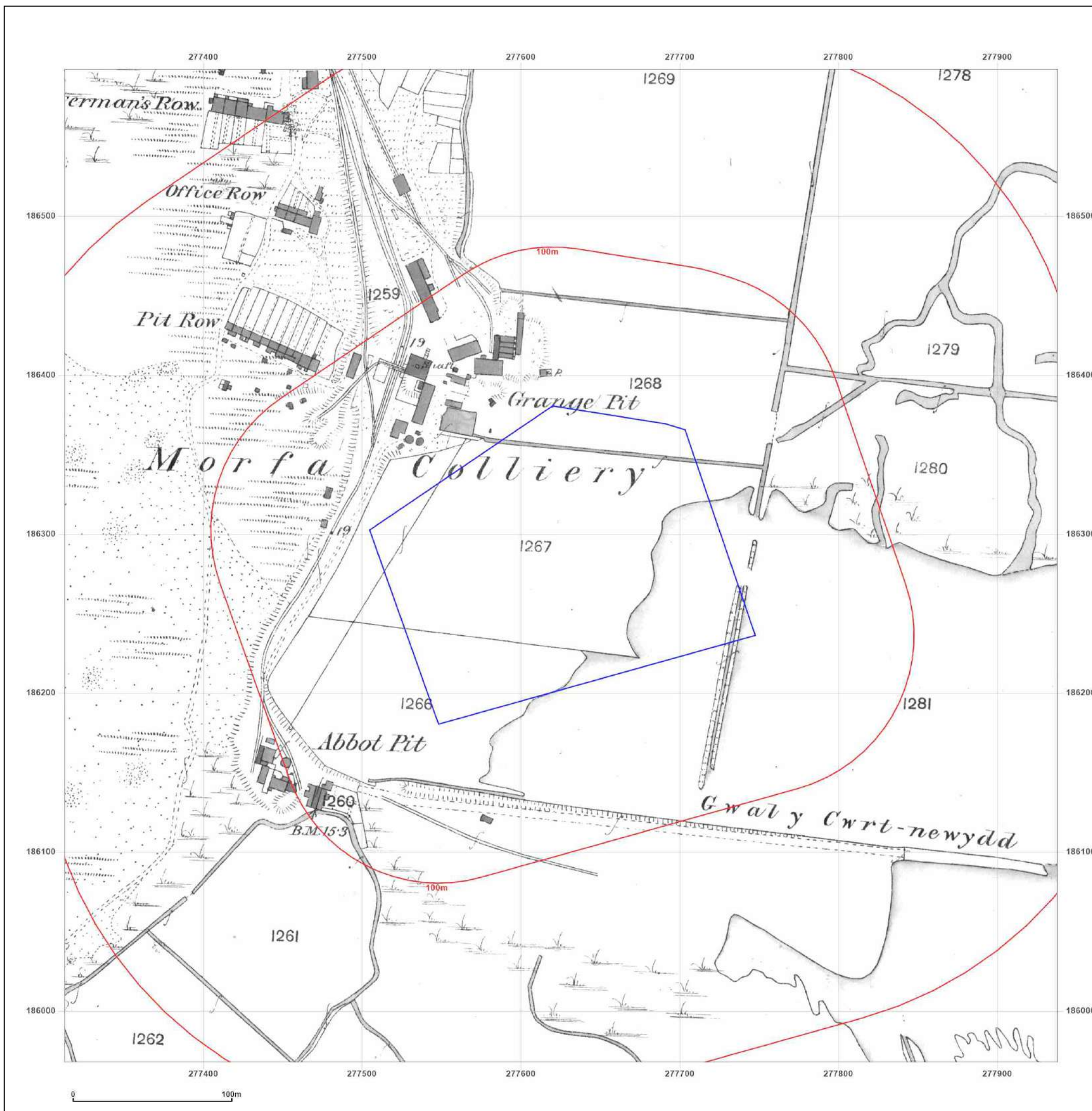


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Client Ref: P02151174
Report Ref: GS-ACA-TGQ-1ZW-N7U
Grid Ref: 277625, 186280

Map Name: County Series

Map date: 1899

Scale: 1:2,500

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Client Ref: P02151174
Report Ref: GS-ACA-TGQ-1ZW-N7U
Grid Ref: 277625, 186280

Map Name: County Series

Map date: 1918

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1918
Revised 1918
Edition N/A
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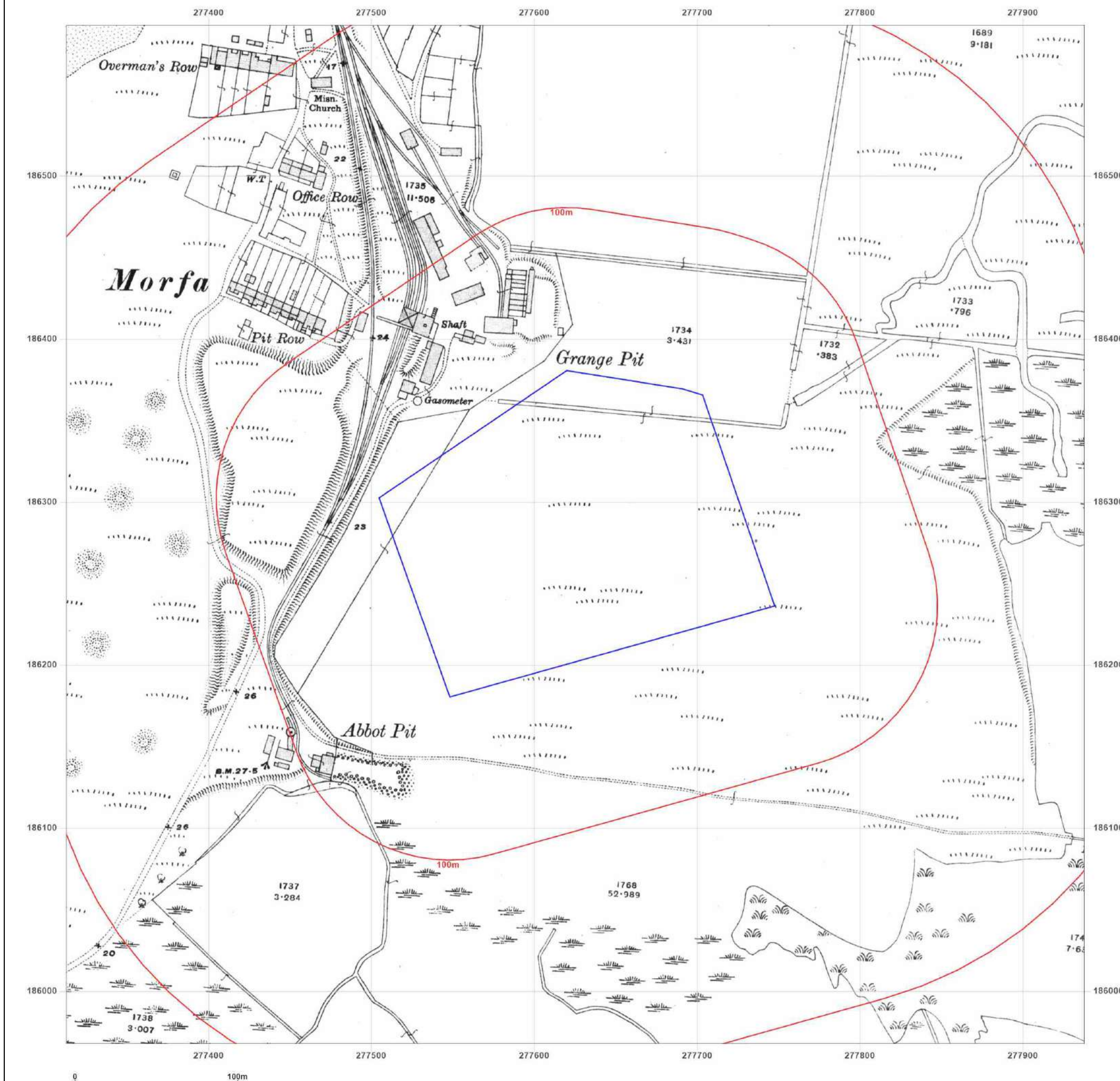


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Client Ref: P02151174
Report Ref: GS-ACA-TGQ-1ZW-N7U
Grid Ref: 277625, 186280

Map Name: County Series

Map date: 1940

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1940
 Revised 1940
 Edition N/A
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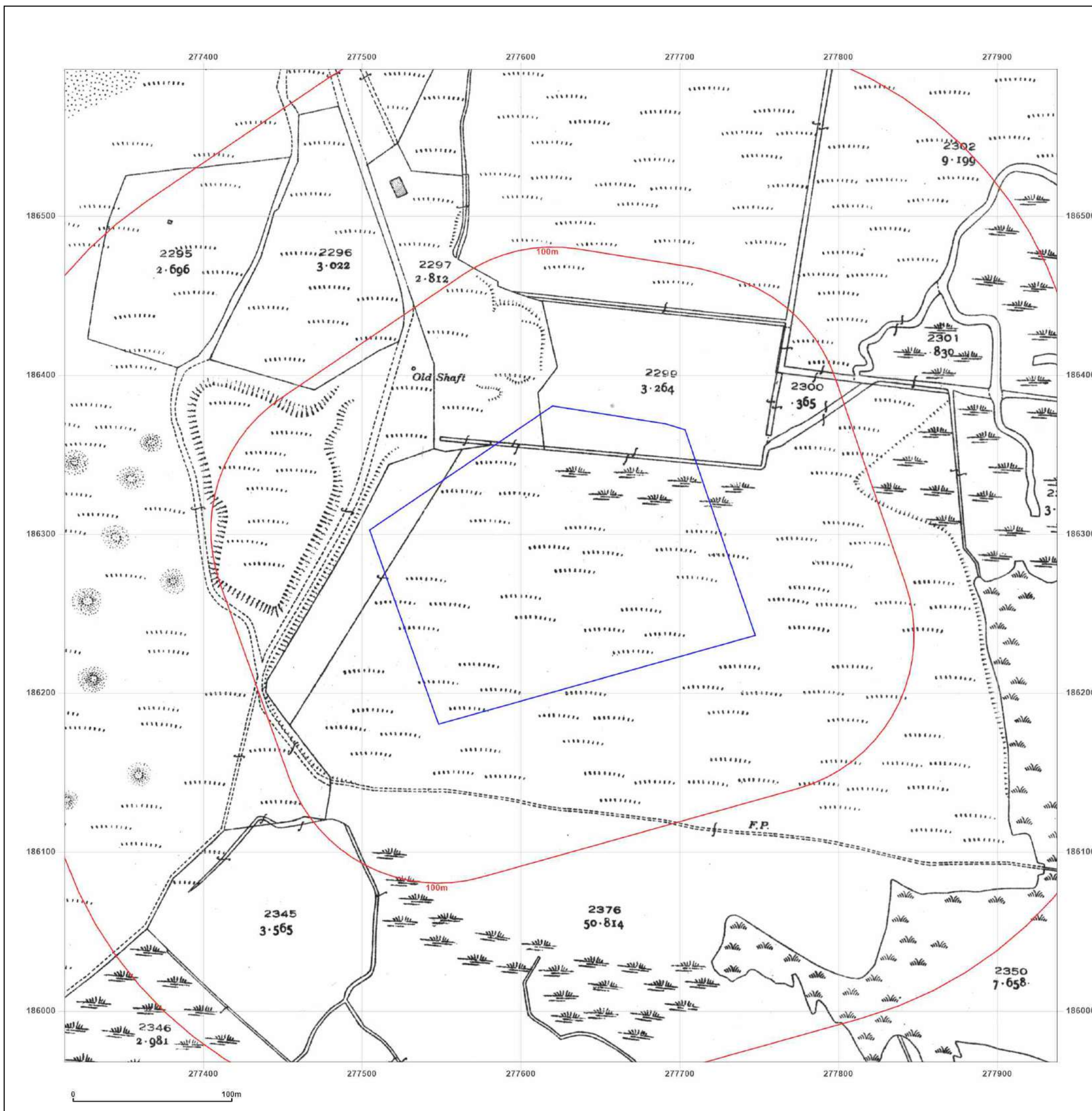


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Client Ref: P02151174
Report Ref: GS-ACA-TGQ-1ZW-N7U
Grid Ref: 277625, 186280

Map Name: National Grid

Map date: 1952

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1952
Revised 1952
Edition N/A
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Surveyed 1952
Revised 1952
Edition N/A
Copyright N/A
Levelled 1949

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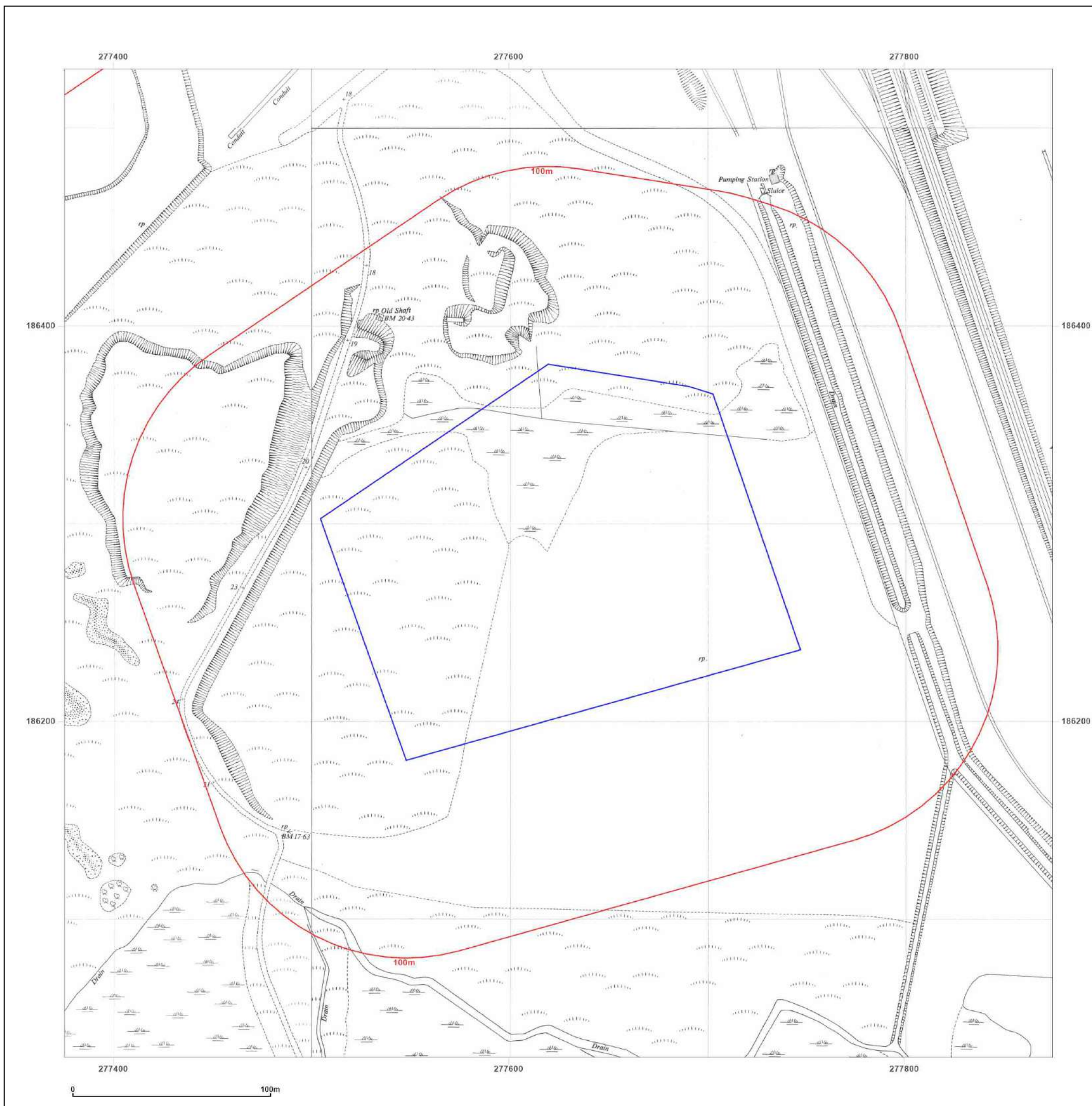


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Map Name: National Grid

Map date: 1952

Scale: 1:2,500

Printed at: 1:2,500



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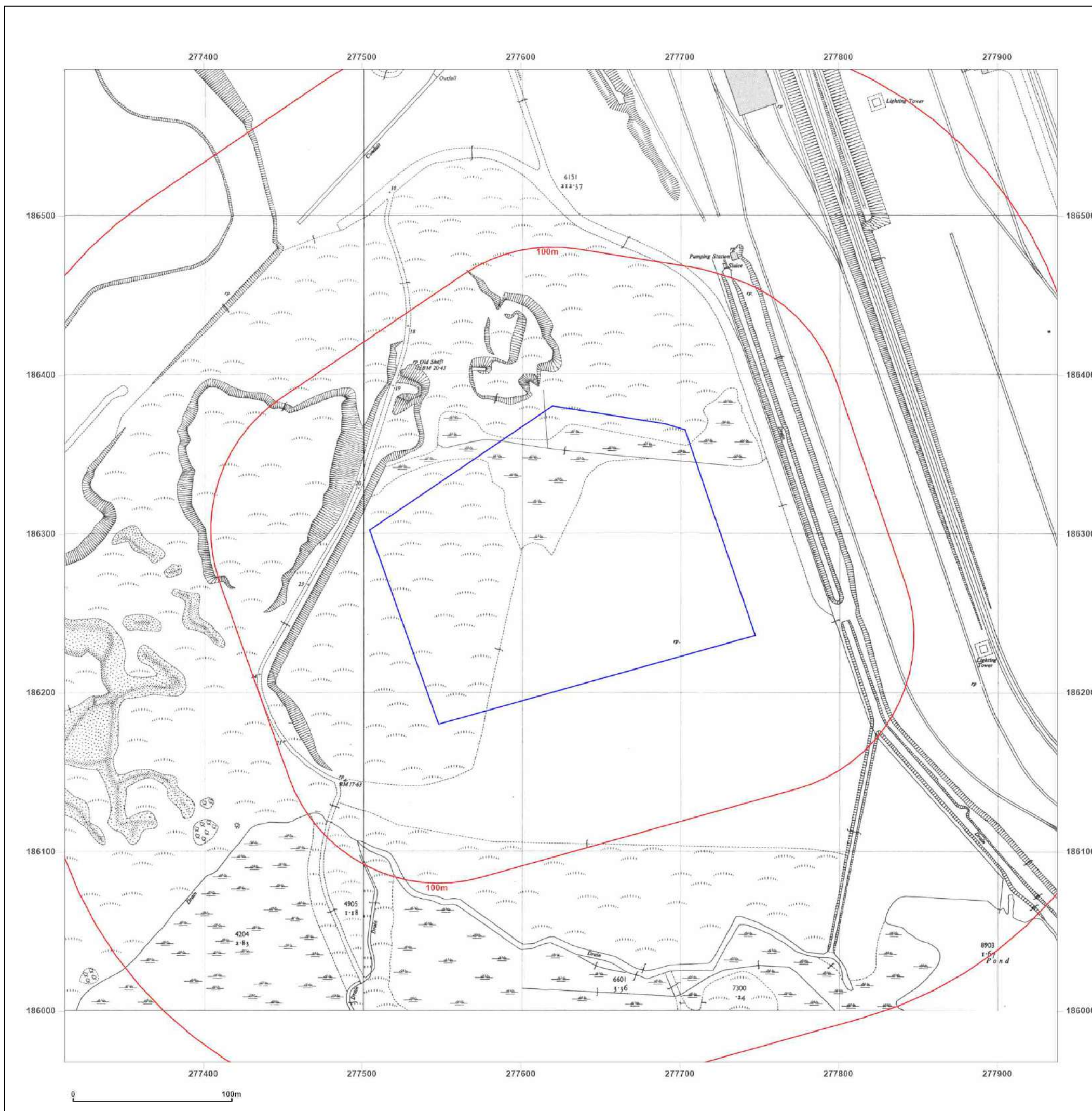


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Map date: 1953

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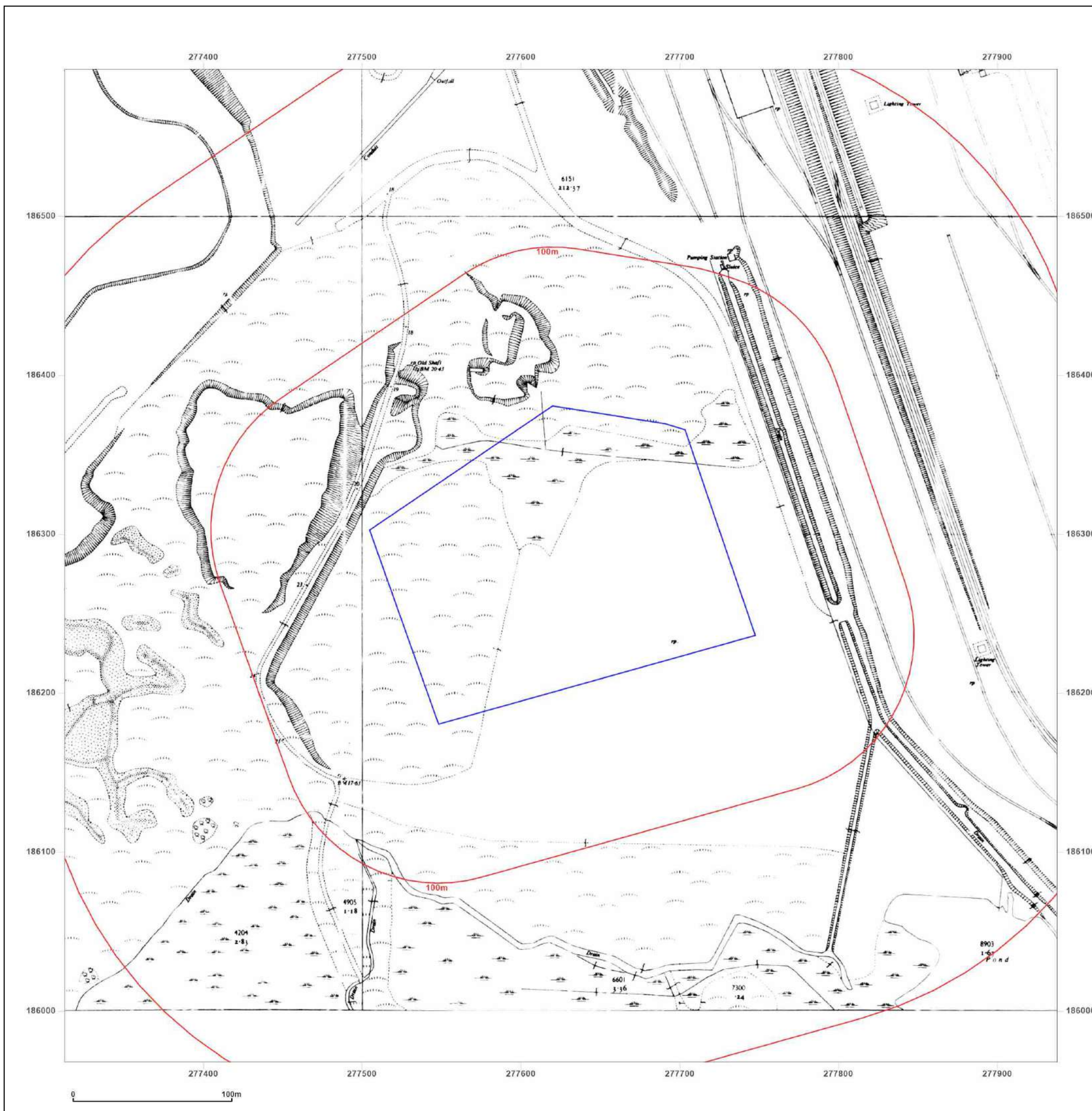


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Site Details:

P Fields, Tata Steel, Port Talbot

Client Ref: P02151174
Report Ref: GS-ACA-TGQ-1ZW-N7U
Grid Ref: 277625, 186280

Map Name: National Grid

Map date: 1962

Scale: 1:1,250

Printed at: 1:2,000



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