Report No	Date
25070/R1	**December 2025**
Project	**GROUNDHOG PHASE 2 – PHASE 1 DESK STUDY**
Client	**Groundhog**

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Project:
GROUNDHOG PHASE 2 – PHASE 1 DESK STUDY

Issue Number	Status	Description of Amendments
1	**Draft**	
2	**2nd Draft**	
3	**3rd Draft**	

Report prepared by:	
Signed 	December 2025

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1.0 INTRODUCTION

1.1 Introduction

Spectrum Geo Services (SGS) were requested by Groundhog to undertake a Phase 1 Investigation Study, of a site at Groundhog, Aberdulais.

This report includes a review of the available geological and historical information and develops a Preliminary Risk Assessment.

1.2 Scope of Works

The objectives of this assessment are to undertake a Phase 1 Desk Study and Preliminary Risk assessment (PRA) of the site, including a Mine Gas Risk Assessment (MGRA).

The assessment is undertaken in general accordance with the requirements of the Land Contamination Risk Assessment (LCRM) Guidance.

1.3 Proposed Development

From information provided by the client it is understood that the purpose of this desk study and ground investigation is to inform of site conditions for the proposed development which comprises a commercial building extension.

1.4 Limitations

Subsoils are inherently variable and by their very nature are hidden from view such that no investigation can be exhaustive to the extent that all soil conditions are revealed. Conditions may therefore be present beneath the site that were not apparent from the data available for review.

2.0 SOURCES OF INFORMATION

The following sources of information have been used in preparation of this report:

- *Extracts of available historical Ordnance Survey (OS) maps covering the period from 1876 to 2021*
- *A Groundsure Enviro + Geo Insight report. (DRL) The EnviroInsight report is compiled from the database of information maintained by various statutory bodies. It includes a series of maps showing the approximate position of the listed data together with details on geology, ground workings, mining and extraction, borehole records and estimated background soil chemistry.*
- *Mining Remediation Authority, CON29M, 51003533452001, Oct 2025.*
- *Desk Study and Site Investigation Report. 22124/R1, 2022, SGS*
- *The British Geological Survey (BGS) website (as viewed during November 2025).*

3.0 EXISTING SITE INFORMATION

3.1 Site Location

The site is situated on the northern side of the B4242 Ynysgerwn Avenue, south east of the A4109, north east of Aberdulais and may be located by approximate Grid Reference SS 781 999. The existing site comprised a tarmac area, adjacent to existing structures.

The area of the proposed extension was generally level and occupied by the southern end of the industrial unit and an access road around the site.

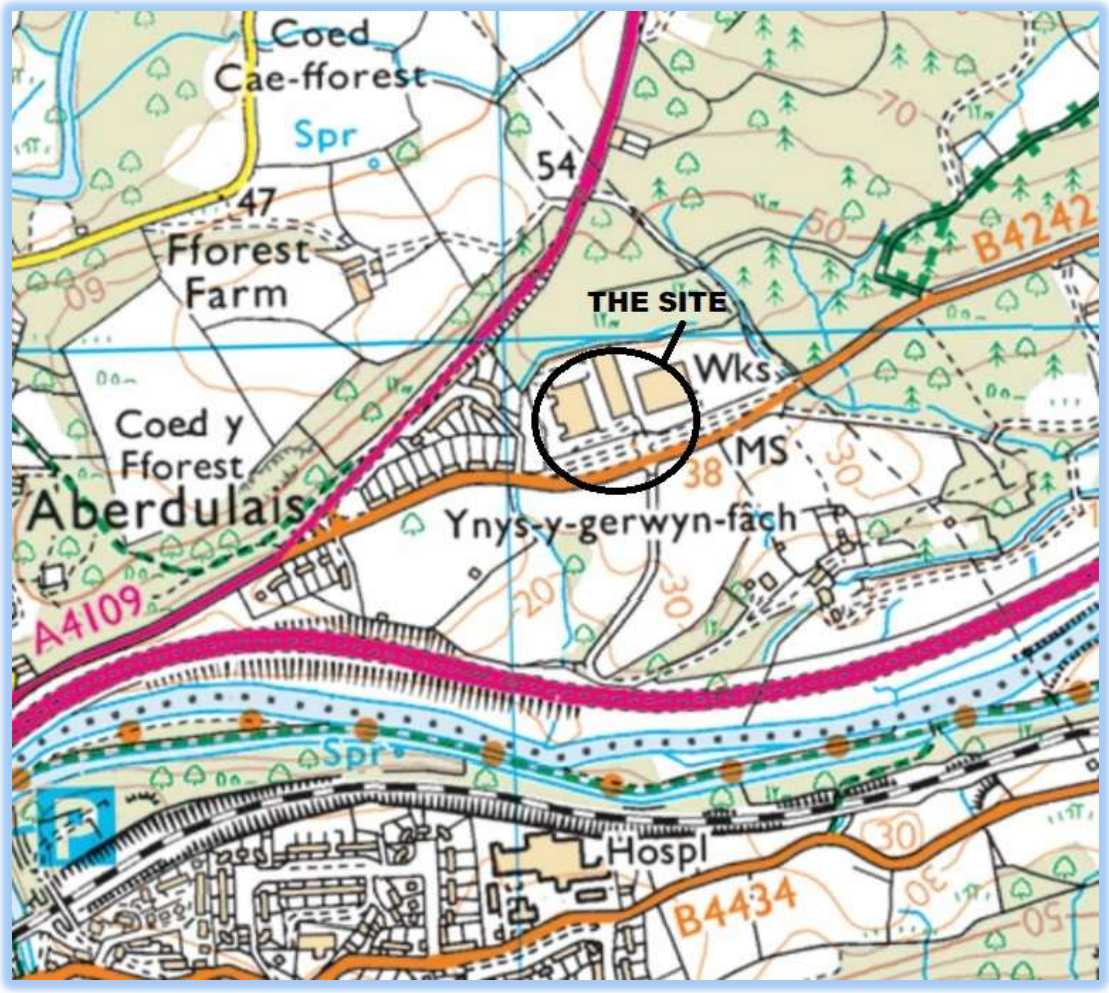


Figure 1: Site Location

3.2 Published Geology

Based on data available from the BGS webviewer, the following geological setting is anticipated.

The 1:50000 British Geological Map Sheet 247 indicates the site to be underlain by Glacial Sand and Gravel overlying Lower Pennant Coal Measures. Graig and Brithdir Coal Seams are indicated to the west of the site parallel with the Roman Road. The Lower Pennant Coal Measures generally consist of sandstone and mudstone.

The Coal Authority Report included in the 22124 Desk Study, indicated that the site is not within a surface area that could be affected by past underground mining and no mine entries were located within or within 20m of the site.

3.3 Hydrology and Hydrogeology

The OS Map shows the site to be north of the River Neath. Thus, groundwater flow is likely to be towards the south.

3.4 Groundwater

The EA confirms that the site does not situate within a groundwater source protection zone.

The superficial and bedrock deposits are classified as Secondary A aquifer.

3.5 Flooding

The Envirocheck report indicates that the site is at risk being in a 1 in 100year area from surface water flooding. Groundwater flooding is noted as moderate. It is recommended that advice is sought from an appropriate flood risk specialist.

3.6 Waste

There are no known waste landfills active or recent within 500m of the site.

3.7 Mining

The CON29M from the Mining Remediation Authority indicates in their professional opinion that no further works are necessary.

3.8 Radon

The site is not in a radon affected area, as less than 1% of properties are above the action level, therefore no radon protective measures will be necessary for any building development.

4.0 DESK STUDY

4.1 Introduction

This desk study has been prepared in accordance with British Standards BS 5930:2015+A1 (2020) and BS 10175:2011+A2 (2017) and all normative references, including the Environment Agency (2020) online guidance *Land contamination: risk management (LCRM)*.

The Desk Study which incorporates the records of a Field Reconnaissance presents and discusses the available data obtained for the site and surrounding area regarding its physical, historical and environmental setting. It identifies the potential issues at the site, develops an initial conceptual site model (CSM) for geoenvironmental considerations and provides an assessment of geotechnical aspects and other pertinent ground hazards that could affect the development.

The principal objective of this investigation and the context of the CSM developed within this report is to provide an assessment of potential significant risks in order to:

- *Assess the potential requirements for further mitigation or investigation of land contamination risks to ensure that the proposed development will be 'suitable for use'.*
- *Give an account of the anticipated ground conditions at the site based upon published geological and hydrogeological information.*
- *Provide an account of any past/historic mining activities on or near the site which may pose a geotechnical risk to the proposed works.*
- *Provide information for detailed scoping of intrusive investigations.*

4.2 Desk Study Site History

A summary of the historic map data is presented in Table 4.2.

Date and Scale	On Site	Nearby
Ordnance Survey (1876-1880) Scales: 1:2,500 and 1:10,560	Undeveloped site.	Fforest Farm is shown 300m to the north east.
Ordnance Survey (1899-1919) Scale: 1:2,500	A footpath has been constructed through the site.	Same as above.
Ordnance Survey (1935 - 1964) Scale: 1:2,500	No change.	A housing estate has been built 100m to the west.
Ordnance Survey (1978-1984) Scale 1:2,500	A building noted as Works has been constructed immediately to the west. This forms part of the existing Groundhog buildings.	As above
Ordnance Survey (1990 - 2003) Scale 1:2,500	A further Works building has been constructed to the east of the site.	As above

Table 4.2: Summary of Historic Map Data

A summary of the potential hydrological and hydrogeological hazards is presented in Table 4.2.1.

Hazard	Remarks
Surface Water Flood Risk	The site is at 1 in 100year risk
Groundwater	The site is at moderate risk

Table 4.2.1: Summary of Hydrological and Hydrogeological Hazards

4.3 Coal Measures Ground Gas

Coal measures are known to underlie the area, but no workings are present. The principal ground gasses associated with the Coal Measures are methane (CH_4) hydrogen sulphide (H_2S) and carbon dioxide (CO_2). All of these gases are considered detrimental to human health. Methane is potentially explosive in particular concentrations while H_2S and CO_2 are considered to be asphyxiants.

4.6 Site Walkover

A walkover was undertaken on 05 November 2025, as part of the Phase 1.

Access/Egress: Access is made to the site from the A465.

Boundaries: The entire site is bounded by secure fencing.

Topography: Most of the site area is covered by concrete and tarmac. There are several existing buildings at site, as part of the Groundhog operations.

Contamination: No evidence of contamination was visible, with the yard being dry and clean. It should be noted that a site of this nature might contain some form of contamination upon closer inspection / testing.

Fly-tipping: None present.

Knotweed / Balsam: None could be seen on site.

Arable/Industrial/Residential: The site is currently in use as an industrial yard

Water/Ponds etc: No standing water or water course present on site.

Landslips/Sinkholes etc: None present on site.

Hazards/Mine workings etc: Nothing was noted as being present

Wildlife: No badger sets etc was observed on the site.

Services: No overhead services were visible. Site manager reported that power came into site from a substation at the western boundary of the site. It is unknown if there are gas, water, oil or telecommunications accessing the site.

Schools/Public buildings etc: None present in the area.

4.7 Made Ground

Made Ground is anticipated across the site.

The 22124 investigation noted up to 3.00m of Made Ground, approximately 50m from our target site.

4.8 Landfill

NRW show no landfill at site.

4.9 Preliminary Mine Gas Risk Assessment (MGRA)

The key reference document which has been used to undertake the semi-quantitative land gas assessment presented in this report is CIRIA C665 (CIRIA, 2007). This provides a framework for assessment of land gas risk to buildings/structures with foundations (i.e. houses and/or commercial properties).

The risk assessment process is based on a Source-Pathway-Receptor Conceptual Site Model Methodology, with consideration given to the potential sources likely to be present on the site and the ground gas monitoring regime designed to reflect the scale of the source potential.

In accordance with CL:AIRE, 2021, Good practice for risk assessment for coal mine gas emissions, an assessment of the risk due to mining legacy is presented in Table 4.9. The site is within a Coal Mining Reporting area. The Consultancy Report notes no underground mining recorded at the site.

Thus, it is suggested that this does not infact pose a risk which we then propose places the site in Step 2.

A detailed ground and mine gas risk assessment is required for the site.

STEP	QUALIFIER	OUTCOME	COMMENT
1	Site within a coal authority defined coal mining reporting area?	Yes	Go to step 2
2	Are all these statements true? Mine entries >50m from site boundary. Workings >150m depth. No faults or other potential pathways connecting surface to deeper unflooded workings. Outside area of past or probable shallow workings on coal authority viewer	Yes	Low Risk
3	Are all these statements true? Workings between 30m and 150m but permanently flooded or covered by 10m+ of low permeable superficial deposits. Mine entries > 50m from site boundary. Low permeability superficial deposits of sufficient thickness – <1x10-4m/s hydraulic conductivity	No	
4	Are any of these statements true? Mine entries on site or <20m from site boundary. Workings below site <30m depth and unflooded or variable water level. Faults or other pathways connecting surface to deeper unflooded workings. Within area of past or probable shallow workings on Coal Authority Viewer.	No	

Table 4.9: Ground Gas Decision Tool

It is determined that the site is at low risk of mine gas thus not requiring a detailed mine gas risk assessment to establish whether suitable mitigation measures can be incorporated into the development.

5.0 ENVIRONMENTAL SETTING

5.1 Designated Environmentally Sensitive Sites

In the context of this report sensitive land usage covered by the Enviro Insight report includes the following:

- *Sites of Special Scientific Interest (SSSI) and Ramsar.*
- *Local and National Nature Reserves (LNR, NNR,).*
- *Special Protection Areas (SPA) and Special Areas of Conservation (SAC).*
- *World Heritage Sites and Ancient Woodlands.*
- *Areas of Outstanding Natural Beauty (AONB) and Environmentally Sensitive Areas (ESA).*
- *Forest and National Parks.*
- *Nitrate Sensitive Areas and Nitrate Vulnerable Zones (NSA, NVZ).*

There are ancient woodlands to the North of the site, the closest being 64m.

5.2 Environmental Permits, Incidents and Registers Map

5.2.1 Industrial Sites Holding Licences and/or Authorisations

No contemporary trades are listed.

5.2.2 Dangerous and Hazardous Sites

According to the information provided in the EnviroInsight report there are no Dangerous or Hazardous sites or substances within 2 km of the site.

5.3 Landfill and Waste Sites

5.3.1 Landfill Sites

According to the information provided in the Enviro Insight report there are no historic landfills within 500m of the site.

5.3.2 Waste Sites

The only waste exemptions are at the Fforest Farm, 300m northwest.

5.4 Current Land Uses

The Enviro Insight report covers other potential contamination sources close to the site including:

- *Current Industrial Data*
- *Petrol and Fuel Stations*
- *Underground High Pressure Oil and Gas Pipelines*
- *Hazardous substance storage/usage*
- *Licensed pollutant release (Part A(2)/B)*
- *Licenced discharges to controlled waters*

The data shows that there is a current unspecified wiorks at site, this being the Groundhog works.

Celtic Trailers, 26m W is noted to include container storage.

There are electricity pylons at 158 and 206m E.

There is a substation 241m W. There is T&T Welding 244m W.

6.0 INITIAL GEOENVIRONMENTAL CONCEPTUAL SITE MODEL

6.1 General

In line with existing legislation and the current regime for the management of contaminated land, assessments are undertaken using a risk based approach. It is necessary to define a Conceptual Site Model (CSM) for the site which identifies the potential sources of contamination, the receptors and the pathways that can connect them. In order for there to be a risk from contamination, one or more relevant pollutant linkages must exist, connecting a contamination source, a receptor (an entity which might be affected by the contamination) and a pathway (or mechanism) by which the receptor can be exposed to the contaminant.

A discussion of potential sources, pathways and receptors and a tabulated summary of the CSM indicating potential pollutant linkages follows. The criteria used for assessing the relevance of identified potential pollutant linkages are based on the objectives stated above.

It is assumed that the development will be for the use of workers and commercial industries. So for the purposes of risk assessment it may be considered a Commercial scenario.

6.2 Potential Sources of Contamination

Potential sources of contamination are usually associated with current and former industrial activities, where the processing, storage, use, transportation and disposal of raw materials, products and wastes often leads to the contamination of underlying ground and groundwater. In addition, natural processes can also give rise to contamination such as hazardous gases.

Based on the information presented above, potential sources of contamination from current and historical site uses and from potentially significant off site sources have been assessed. Potential sources of contamination and contaminants at and within the site boundary are summarised in the table below. These are based in the desk study data obtained and published guidance.

SITE USE ACTIVITY AND AREA	SOURCES	CONTAMINANTS
Industrial land use and known Made Ground.	Made Ground.	Unknown; possible hydrocarbons, metals, inorganic and organic contamination and asbestos

Table 6.2.1: Current on-site

SITE USE ACTIVITY AND AREA	SOURCES	CONTAMINANTS
NA		

Table 6.2.2: Historic on-site

6.3 Potential Migration Pathways

The following potential pathways have been identified as potential migration pathways:

- *Direct soil, soil dust and/or water ingestion.*
- *Inhalation and ingestion of soil dust, soil vapour and/or water vapour.*
- *Dermal contact with contaminated soil, soil dust and/or water.*
- *Lateral and vertical migration of gases and/or vapours through permeable strata.*
- *Permeable ground conditions/rainfall infiltration.*
- *Downward migration of soil pore water and shallow groundwater.*
- *Lateral groundwater flow.*
- *Preferential pathways including existing and proposed services trenches and foundations.*
- *Surface water runoff into drains.*

6.4 Potential Receptors

Potential receptors have been identified and categorised as follows:

6.4.1 Human Health

- *Construction workers (during construction phase)*
- *Future site users*
- *Neighbouring site occupants (residential and light commercial properties within close proximity to site).*
- *Maintenance workers*

6.4.2 Controlled Waters

- *Bedrock is a Secondary A Aquifer.*

6.4.3 Environmental Receptors

There are no known environmental receptors. The nearest is an ancient woodland but is considered sufficiently far from the site for there be no risk.

6.4.4 Property, Buildings, Structures and Services

Any on or near-site, property, buildings, structures or services, within a location which is unduly effected by pollution and suffers damage or increased deterioration as a consequence, these features are likely to include:

- *On-site underground infrastructure associated with the proposed development.*
- *On-site above-ground infrastructure associated with the proposed development.*
- *On-site infrastructure associated with the existing development.*
- *On-site foundations for buildings, both for permanent structures and temporary buildings.*
- *On-site damage to services which form part of the larger local and national infrastructure.*
- *Offsite damage to the foundations of nearby properties and roads.*
- *Offsite damage to any neighbouring services.*

6.5 Summary

The relevant pollutant linkages based on the potential sources, pathways and receptors outlined above are tabulated below:

SOURCE	PATHWAY	RECEPTOR
Current onsite: - Known Made Ground Site Contaminants: - Hydrocarbons - Possible metals - Inorganic and organic contaminants - Asbestos - Industrial Land Use	Ingestion, direct contact, inhalation of dust and vapours. Migration via permeable strata into groundwater. Direct contact with contaminated soils and waters. Lateral Groundwater Migration.	Workers at time of site development. Future maintenance workers for upkeep of site. Future site users. Aquifers underlying the site.
Historic onsite: None		

Table 6.5: Initial Conceptual Site Model

There are currently a series of uncertainties and assumptions in the CSM presented above as this is based on desk study information only:

- *Ground conditions have been conceptualised based on BGS geological maps and other primarily desk based information.*
- *The full presence and extent of any suspected contamination is currently unknown*
- *The presence and depth of any groundwater bodies at the site is currently unknown.*
- *The site has been developed previously*

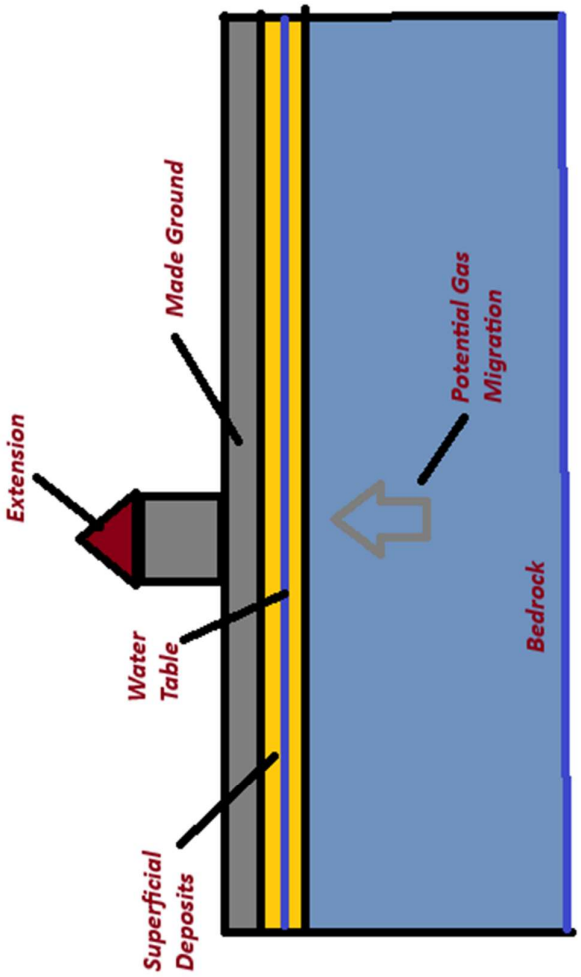


Figure 6.5: Pictorial Conceptual Site Model

7.0 PRELIMINARY RISK ASSESSMENT

7.1 Assessment of Environmental Risks Methodology

The identification of potential pollutant linkages is a key aspect of the evaluation of potentially contaminated land. An approach based on CIRIA report C552 has been adopted. For each of the pollutant linkages, an estimate is made of:

- The potential severity of the risk; and
- The likelihood of the risk occurring.

Table 6.1 below presents the classification of the severity of the risk:

RISK FACTOR	TYPICAL EXAMPLES
Severe	Acute risks to human health; Major pollution of controlled waters (<<the water environment>>).
Medium	Chronic (long-term) risk to human health; Pollution of controlled waters (<<the water environment>>).
Minor	Damage to non-sensitive species or ecosystems, buildings or services.

Table 7.1 Severity of Risk

The probability of the risk occurring is classified according to the criteria provided in Table 7.2 below:

PROBABILITY RATING	DESCRIPTION
High Likelihood	Pollutant linkage may be present, and risk is almost certain to occur in the long term, or there is evidence of harm to the receptor.
Likely	Pollutant linkage may be present, and it is probable that the risk will occur over the long term.
Low Likelihood	Pollutant linkage may be present and there is a possibility of the risk occurring, although there is no certainty that it will do so.
Unlikely	Pollutant linkage may be present but the circumstances under which harm would occur are improbable

Table 7.2: Probability of Risk

An overall qualitative evaluation of the level of risk is gained from a comparison of the severity and probability as presented in Table 7.3 below:

		SEVERITY		
		SEVERE	MEDIUM	MINOR
PROBABILITY	HIGH LIKELIHOOD	Very high risk	High Risk	Moderate / low risk
	LIKELY	High risk	Moderate risk	Low risk
	LOW LIKELIHOOD	Moderate risk	Moderate/ low risk	Very low risk
	UNLIKELY	Moderate / low risk	Low risk	Very low risk

Table 7.3 Risk Rating Evaluation

8.0 PRELIMINARY CONCEPTUAL MODEL AND QUALITATIVE RISK ASSESSMENT

Source Characterisation

All potential **on-site** and **off-site** sources of contamination identified are detailed in Table 8.1.1 below. The table also details any which have been discounted.

Table 8.1. 1: Identified Potential Sources of Contamination

Source		Distance (m)	Compass Direction	Identified by:	Comments
Made Ground	On-Site	0		Historic Data	Suite of contamination testing required to negate source.

It is not possible to discount all of the potential sources of contamination. Potential sources of contamination which cannot be discounted are carried forward to a preliminary qualitative risk assessment. The Contaminants of Concern (CoC) for the remaining potential sources of contamination are listed in Table 8.1.2.

Table 8.1. 2: Contaminants of Concern

CONTAMINANTS OF CONCERN									
Source	**Metals**	**Cadmium**	**PAH/ TPH**	**Soil Organic Matter**	**SO_4, SO_3**	**pH**	**Asbestos**	**Chromium IV**	**CO2, CH4, H2S**
ON-SITE									
Made Ground	X	X	X	X	X	X	X	X	
Mine Ground Gas									X

Testing in broad accordance with DOE Industrial Profile for Engineering Works

Pathway Characterisation

The potential pathways by which receptors might be exposed to contaminants (sources) at the site can vary depending on the proposed or current land use (e.g. residential properties, public open space, retail).
For humans, the three possible routes of exposure to contaminants are:

- Inhalation of dusts or vapours
- Ingestion of dusts or soil either by hand-to-mouth activity or by eating plants grown in contaminated soils
- Dermal (skin) contact with contaminated soils and waters and transfer of contaminants through the skin into the body

Buildings and service conduits can also be affected by contaminants in the following ways:

- Soil gas or vapour pooling in voids within or beneath structures
- By direct contact of building fabric with contaminated soils
- Service trenches acting as preferential migration pathways
- Ingress of contaminants into conduits, contaminating drinking water supplies

Finally, for the local water environment the following pathways may be present:

- Run-off from the site surface entering surface water courses near the site
- Leaching of contaminants from the soil to on-site groundwater
- Migration of contaminated on-site groundwater to off-site groundwater and/or surface water bodies

Receptor Characterisation

The receptors are the elements in the pollutant linkage that can potentially be harmed by the contaminants. These are as follows:

- Humans: site workers and residential users
- Buildings: building fabric and services; and
- The local water environment (surface water and groundwater)

Pollutant Linkages

The significance of potential pollutant linkages at the site is now qualitatively assessed by considering the magnitude of the hazard and the possibility of the linkages occurring based on the observations made, in Table 7.1.3 below.

Preliminary Qualitative Risk Assessment

The preliminary conceptual model outlined above has been used to undertake an initial qualitative risk assessment for the site to determine the possibility of significant risks that may exist following development of the site. The qualitative risk assessment will also investigate the risks to the wider environment as a result of contamination from on site sources.

Risk categories are presented in accordance with R&D66:2008 Volume 1.

Figure 8 shows a pictorial Conceptual Site model, based upon data recovered during the Desk Study process.

Table 8.1.3: Preliminary Qualitative Environmental Risk Assessment for Identified sources of Contamination

Source	Potential Pathway(s)	Potential receptor(s)	Severity	Probability	Risk Class	Comments	Investigation Required
Onsite: Soils and Waters beneath the development and hardstanding, Hydrocarbons, Metals, Inorganic and organic contamination, Asbestos	Ingestion, direct contact, inhalation of dust Leaching and downward migration	Construction site workers Future users Maintenance workers	Severe	Likely	High	The soils beneath the site have been in place for a prolonged period so any leaching is likely to have occurred though may increase if the new development affects the local groundwater regime. Though unlikely	Yes No
	Lateral Groundwater Migration	Water Bodies	Medium	Unlikely	Low	The soils beneath the site have been in place for a prolonged period	No

Source	Potential Pathway(s)	Potential receptor(s)	Severity	Probability	Risk Class	Comments	Investigation Required
	Leaching and downward migration	Groundwater in the River Terrace Deposits	Medium	Low Likelihood	Moderate/ low risk	The soils beneath the site have been in place for a prolonged period so any leaching is likely to have occurred.	No
Ground Gas	Through site soils	Site users	Severe	Low	Low Risk	Low risk, but requires monitoring	Yes
Offsite: Soils and waters Hydrocarbons, Metals, Inorganic and organic contamination,	Leaching and downward migration	Construction site workers Future users Maintenance workers	Medium	Low Likelihood	Low Risk	Nothing in proximity	No
	Lateral Groundwater Migration	Construction siteworkers Future users Maintenance workers	Medium	Low Likelihood	Low Risk	Nothing in proximity	No

Table 8.1.3 contd: Preliminary Qualitative Environmental Risk Assessment for Identified sources of Contamination

9.0 PHASE1 CONCLUSIONS AND RECOMMENDATIONS

9.1 Conclusions

Geoenvironmental and geotechnical hazards may both be encountered on this site – geotechnical hazards are likely to be low but potentially high if the coal seam outcropping beneath the site has been worked, while geoenvironmental hazards may pose moderate risk. A ground investigation should be carried out to confirm the ground conditions, groundwater levels and ground gas at the proposed development to provide information to allow for the assessment of geotechnical parameters to be used for preliminary design of foundations along with an assessment of potential contamination on and beneath the site.

The information available at this stage indicates there are potential current and historical sources of contamination on or beneath the site. The sources of these are potential made ground.

A ground investigation should be carried out to confirm the ground conditions and allow assessment of the contamination potentially present at the site. Based on these findings a full geoenvironmental assessment will be required to assess the risks posed to the development and its receptors.

A detailed Mine Gas Risk Assessment will not be required as part of the Phase 2 operations.

9.2 Recommendations

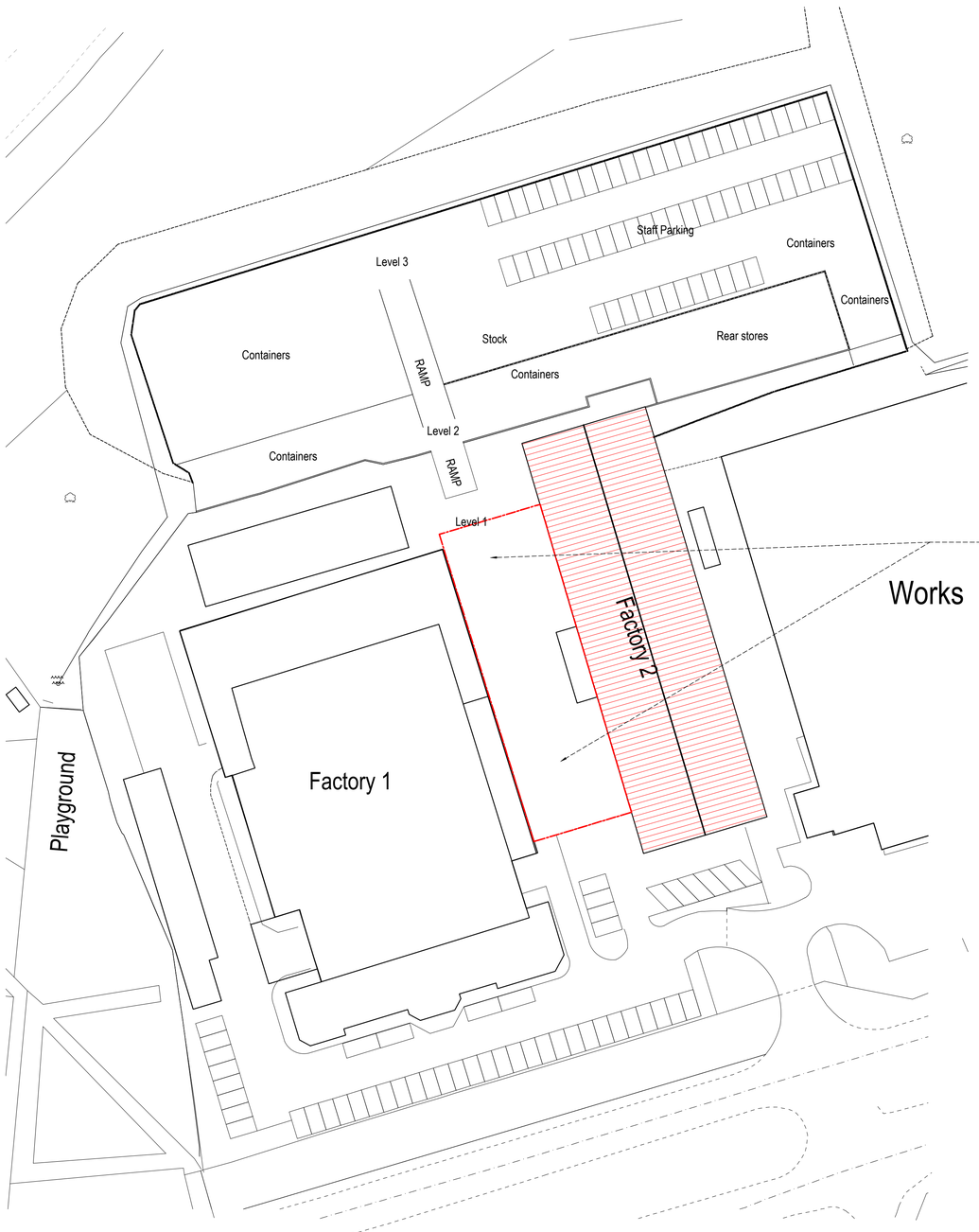
It should be appreciated that the desk study can only give indications of the likely geotechnical and geoenvironmental conditions and consequently an intrusive investigation is recommended to confirm or otherwise the findings.

- *Ground gas monitoring*
- *Trial pits and dynamic windowless sampling on the site to acquire suitable geotechnical and geoenvironmental samples across the site. In accordance with BS10175, a sampling strategy with approximately 20m spacing should be undertaken. Testing of a spread of any Made Ground and underlying superficial deposits.*
- *Depending on the nature of the proposed structures, dynamic sampling to aid foundation design. The requirement of these will depend on the final development.*
- *Geoenvironmental testing to include asbestos, metals, hydrocarbons, inorganic and organic compounds.*
- *Geoenvironmental assessment of the soils beneath the site for human health risk assessment*

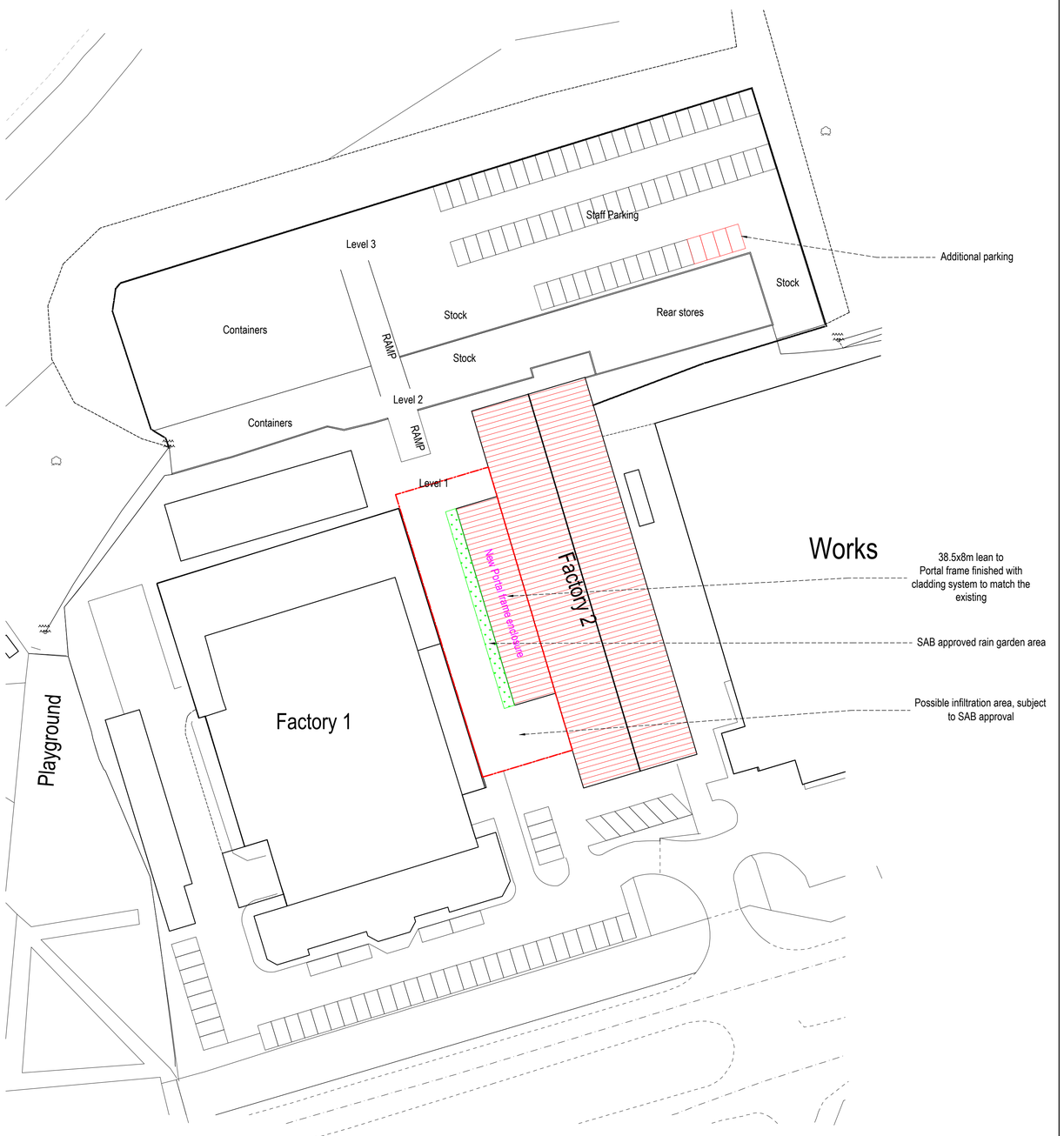
APPENDIX A

Drawings

Planning Application Red Line.



Existing Site plan @ 1:500



Proposed Site plan @ 1:500

1:500 0 25 50

Architectural Design & Visualisation Consultancy

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T: 01656 330 997

E: enquiries@360ad.co.uk
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REVISIONS DESCRIPTION:
-

JOB: Factory two Side extension		CLIENT: GroundHog UK
ADDRESS: Ynysygarwn Avenue, Aberdulais, Neath, SA10 8HH		
LAYOUT TITLE: Site plans		DRW-No.
SYSTEM No: DWG/25-008-OS	DRAWN BY:N.Davies	A104
JOB No: 25-005	Checked by: N.Davies	
SCALES:A1 @ 1:500	DATE: March/2025	Revision -

ALL DIMENSIONS TO BE CHECKED ON SITE. Contractor to check and verify all building and site dimensions. The contractor is to comply in all respects with the current Building Regulations whether specifically stated on this drawing or not. This drawing must be read and checked against any other specialist drawing provided.

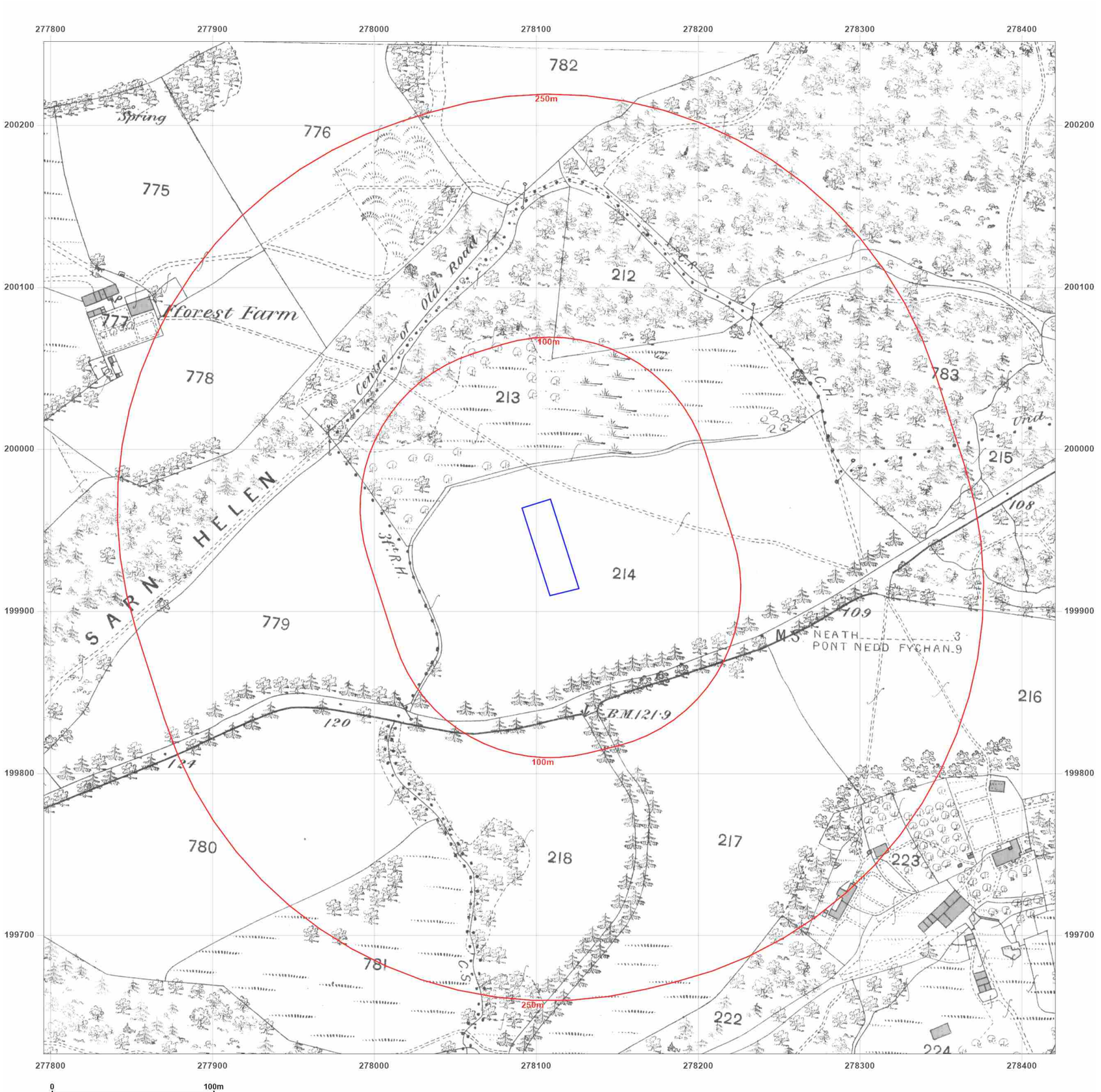
APPENDIX B

Phase 1 Data

Historic Maps

Enviroreport.

CON29M



Groundsure INSIGHTS

Site Details:

Groundhog, ABERDULAIS,
NEATH PORT TALBOT, SA10
8HH

Client Ref: 25070 Groundhog
Report Ref: GS-FAN-WVK-KKY-FWJ
Grid Ref: 278108, 199939

Map Name: County Series

Map date: **1876-1880**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1876
Revised 1876
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1880
Revised 1880
Edition N/A
Copyright N/A
Levelled N/A

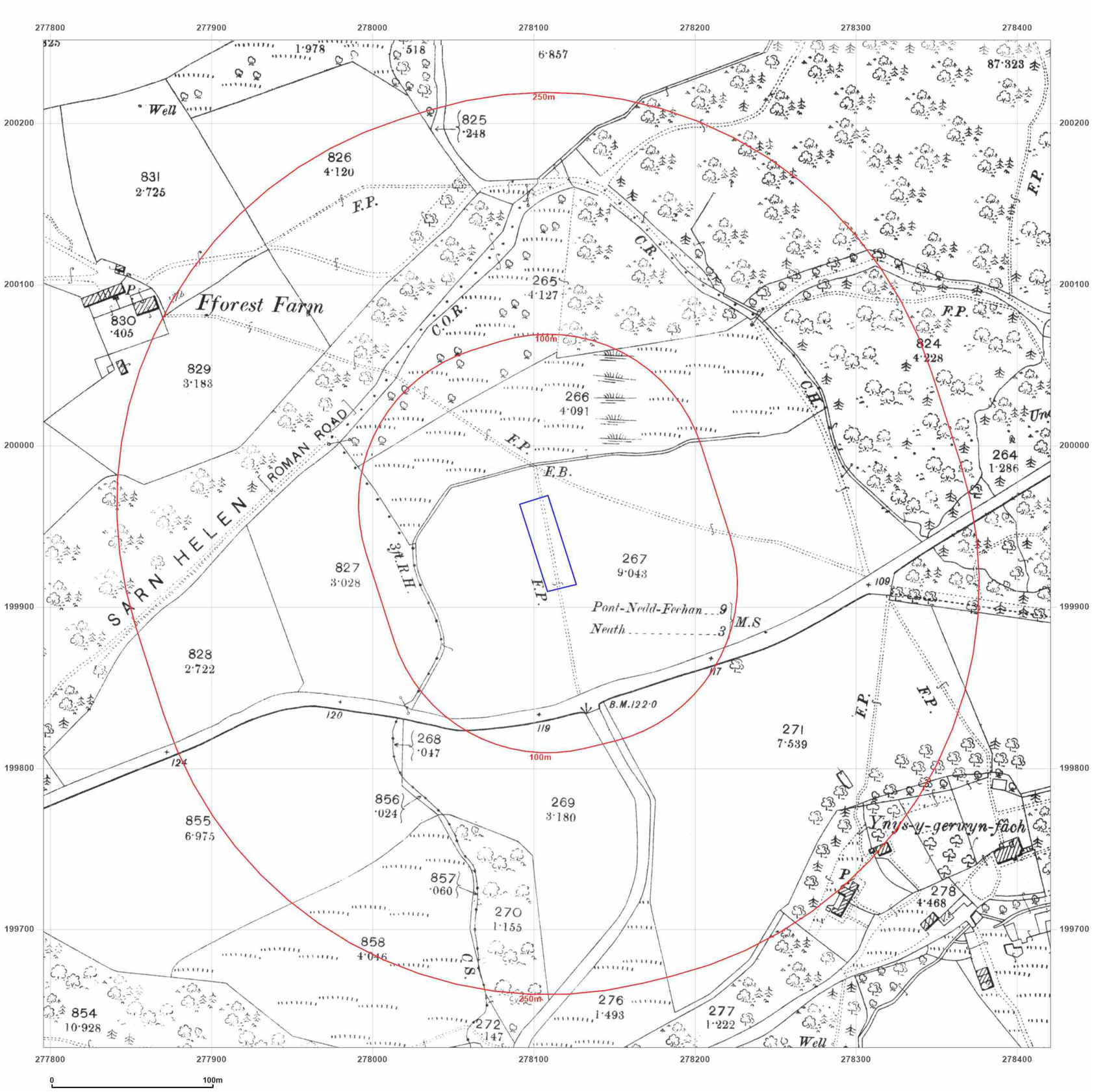
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Production date: 23 October 2025

Map legend available at:
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Groundsure INSIGHTS

Site Details:

Groundhog, ABERDULAIS,
NEATH PORT TALBOT, SA10
8HH

Client Ref: 25070 Groundhog
Report Ref: GS-FAN-WVK-KKY-FWJ
Grid Ref: 278108, 199939

Map Name: County Series

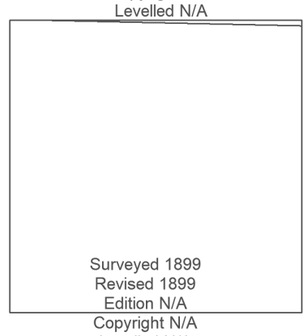
Map date: **1899**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1899
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1899
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A

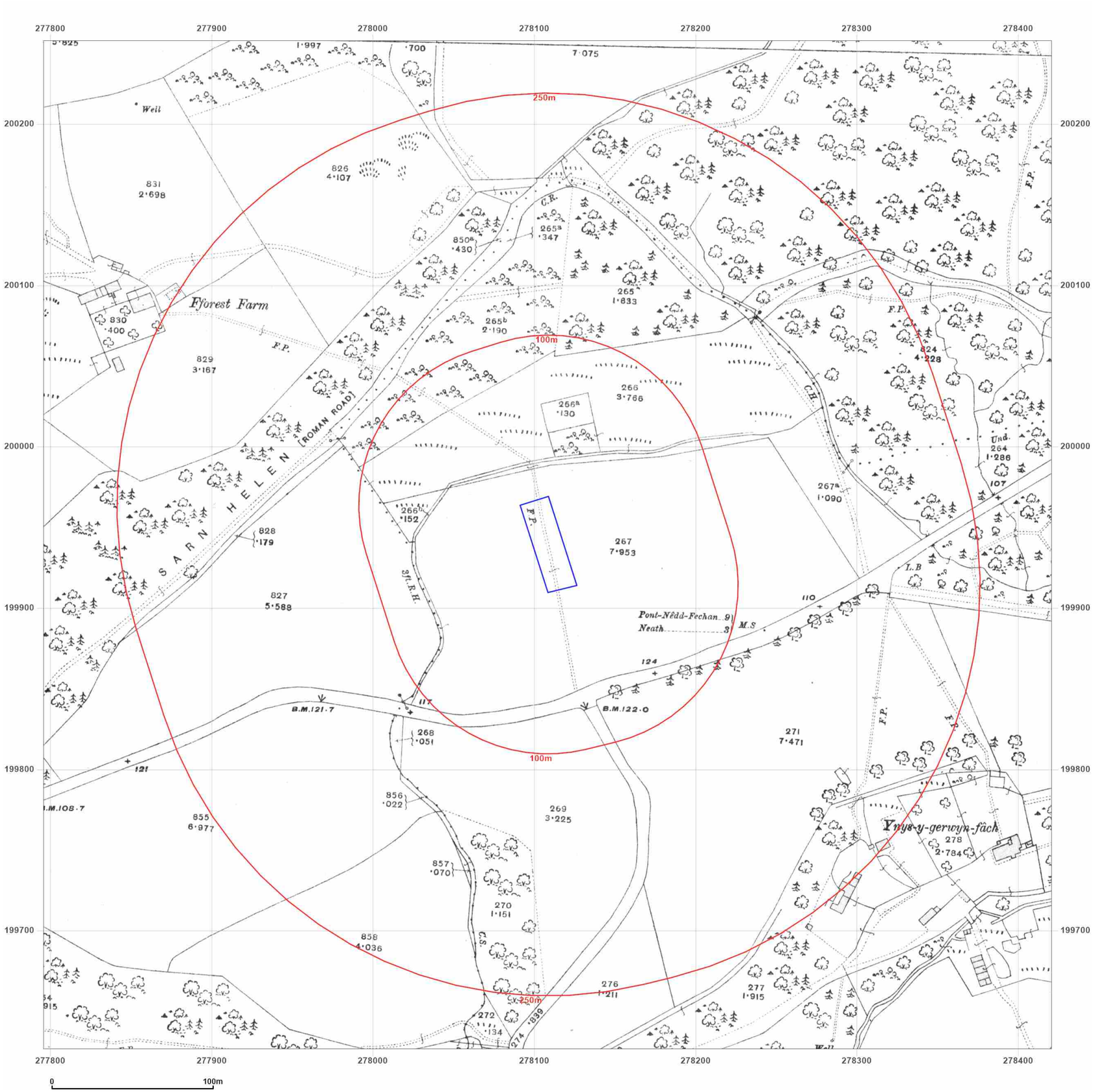
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Production date: 23 October 2025

Map legend available at:
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Groundsure INSIGHTS

Site Details:

Groundhog, ABERDULAIS,
NEATH PORT TALBOT, SA10
8HH

Client Ref: 25070 Groundhog
Report Ref: GS-FAN-WVK-KKY-FWJ
Grid Ref: 278108, 199939

Map Name: County Series

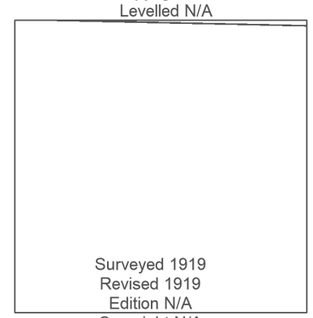
Map date: **1918-1919**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1918
Revised 1918
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1919
Revised 1919
Edition N/A
Copyright N/A
Levelled N/A

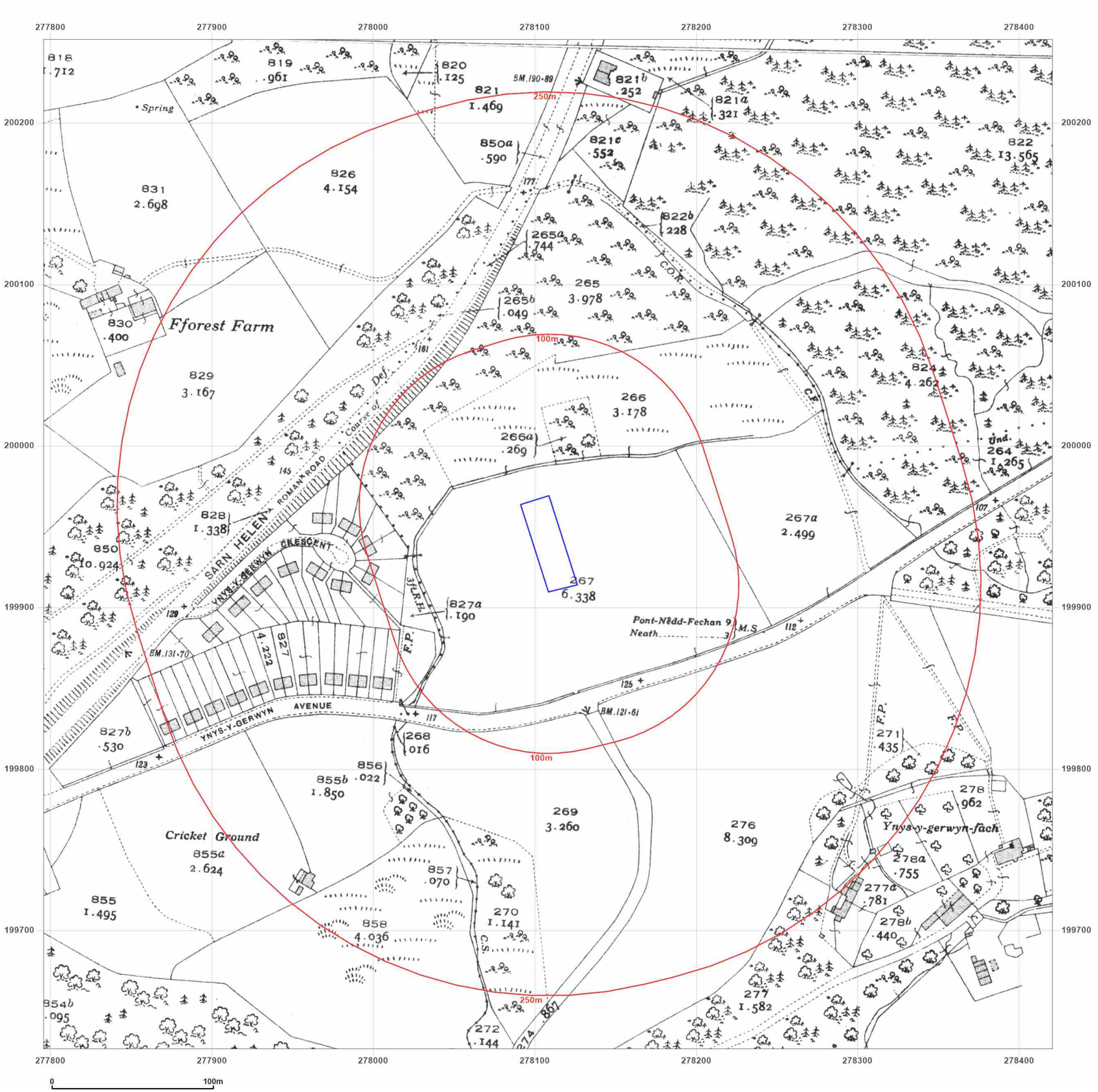
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Production date: 23 October 2025

Map legend available at:
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Groundsure INSIGHTS

Site Details:

Groundhog, ABERDULAIS,
NEATH PORT TALBOT, SA10
8HH

Client Ref: 25070 Groundhog
Report Ref: GS-FAN-WVK-KKY-FWJ
Grid Ref: 278108, 199939

Map Name: County Series

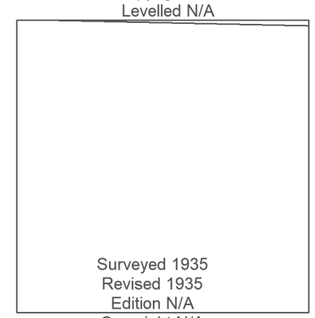
Map date: **1935**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1935
Revised 1935
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1935
Revised 1935
Edition N/A
Copyright N/A
Levelled N/A

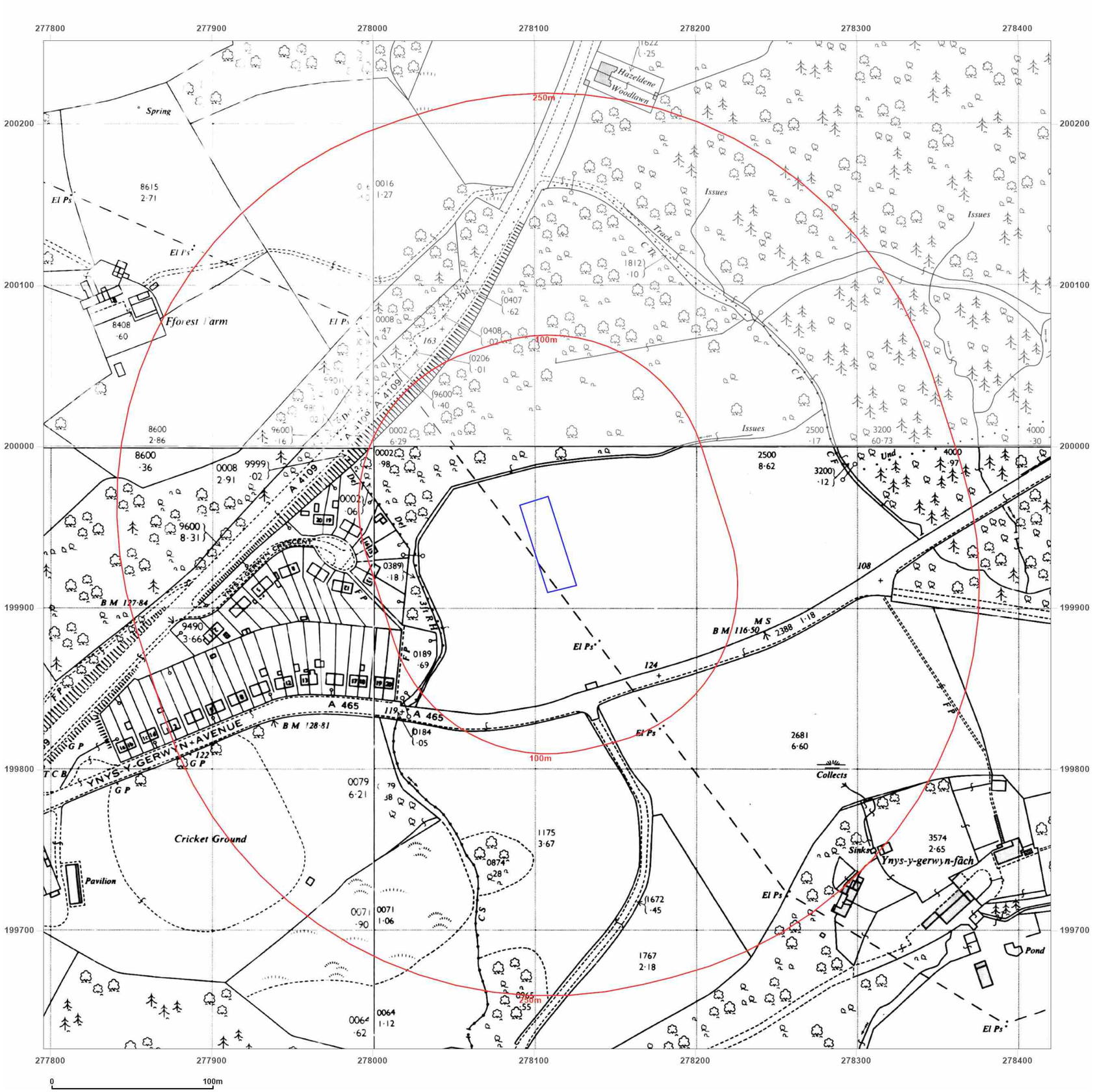
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Groundsure INSIGHTS

Site Details:

Groundhog, ABERDULAIS,
NEATH PORT TALBOT, SA10
8HH

Client Ref: 25070 Groundhog
Report Ref: GS-FAN-WVK-KKY-FWJ
Grid Ref: 278108, 199939

Map Name: National Grid

Map date: **1964**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed N/A Revised N/A Edition N/A Copyright N/A Levelled N/A	Surveyed 1962 Revised 1962 Edition N/A Copyright 1964 Levelled 1956
Surveyed N/A Revised N/A Edition N/A Copyright N/A Levelled N/A	Surveyed N/A Revised N/A Edition N/A Copyright N/A Levelled N/A

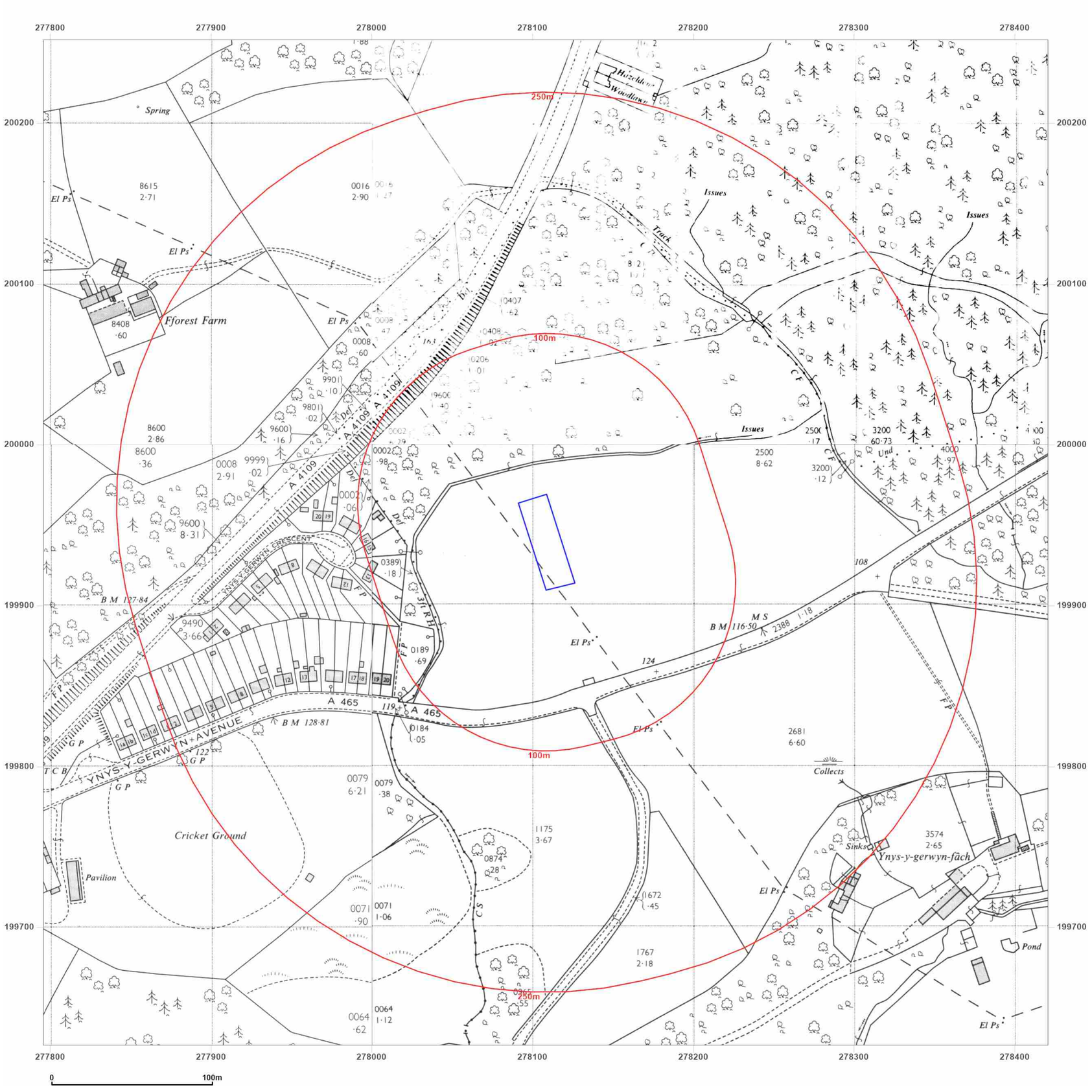
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Groundsure INSIGHTS

Site Details:

Groundhog, ABERDULAIS,
NEATH PORT TALBOT, SA10
8HH

Client Ref: 25070 Groundhog
Report Ref: GS-FAN-WVK-KKY-FWJ
Grid Ref: 278108, 199939

Map Name: National Grid

Map date: **1964**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S

Surveyed 1962
Revised 1962
Edition N/A
Copyright 1964
Levelled 1956

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

Surveyed 1962
Revised 1962
Edition N/A
Copyright 1964
Levelled 1956

Surveyed 1962
Revised 1962
Edition N/A
Copyright 1964
Levelled 1956

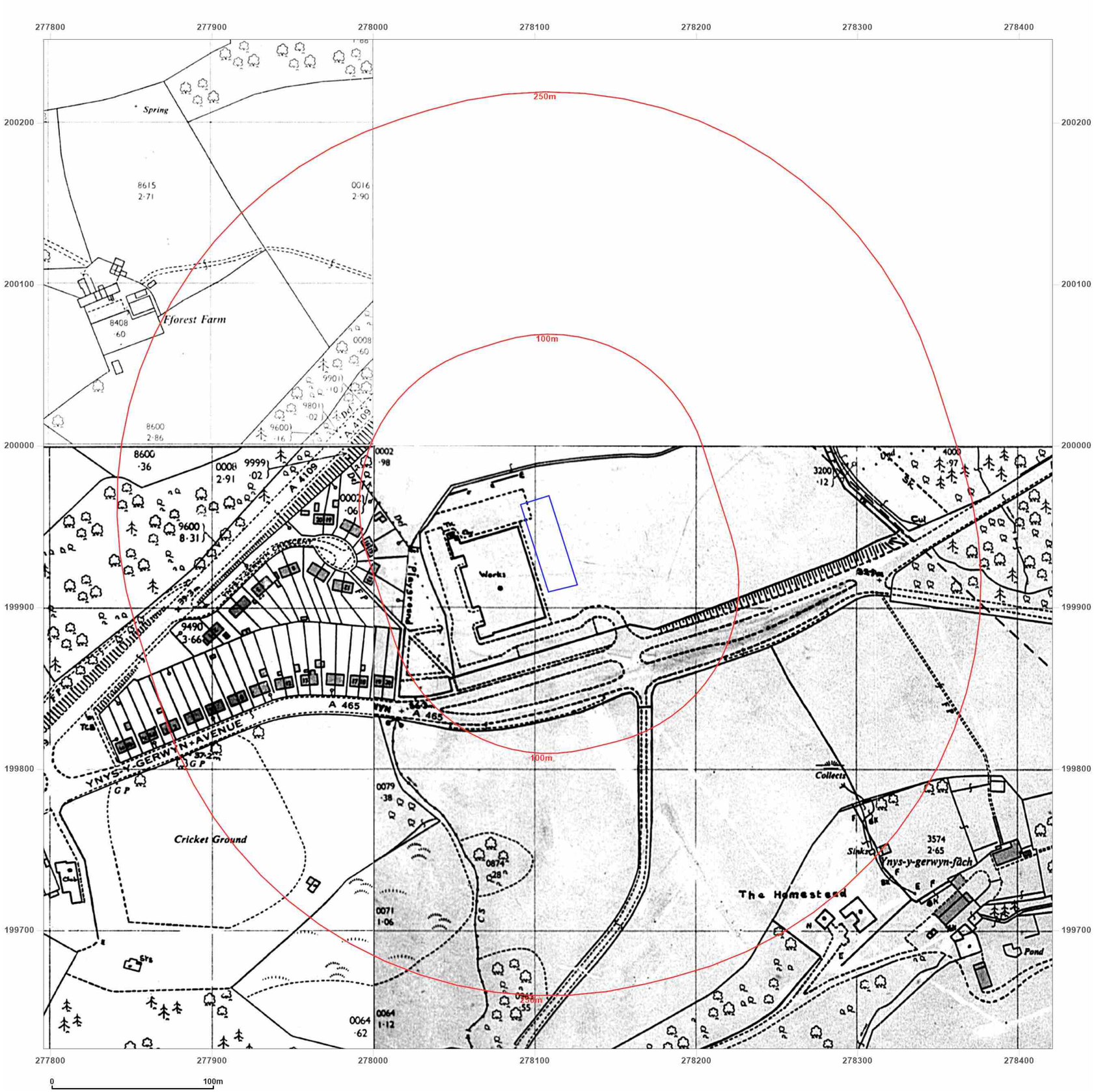
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Groundsure INSIGHTS

Site Details:

Groundhog, ABERDULAIS,
NEATH PORT TALBOT, SA10
8HH

Client Ref: 25070 Groundhog
Report Ref: GS-FAN-WVK-KKY-FWJ
Grid Ref: 278108, 199939

Map Name: National Grid

Map date: **1978-1979**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1979
Revised 1979
Edition N/A
Copyright N/A
Levelled 1963

Surveyed 1963
Revised 1978
Edition N/A
Copyright 1978
Levelled 1963

Surveyed 1963
Revised 1978
Edition N/A
Copyright 1978
Levelled 1963

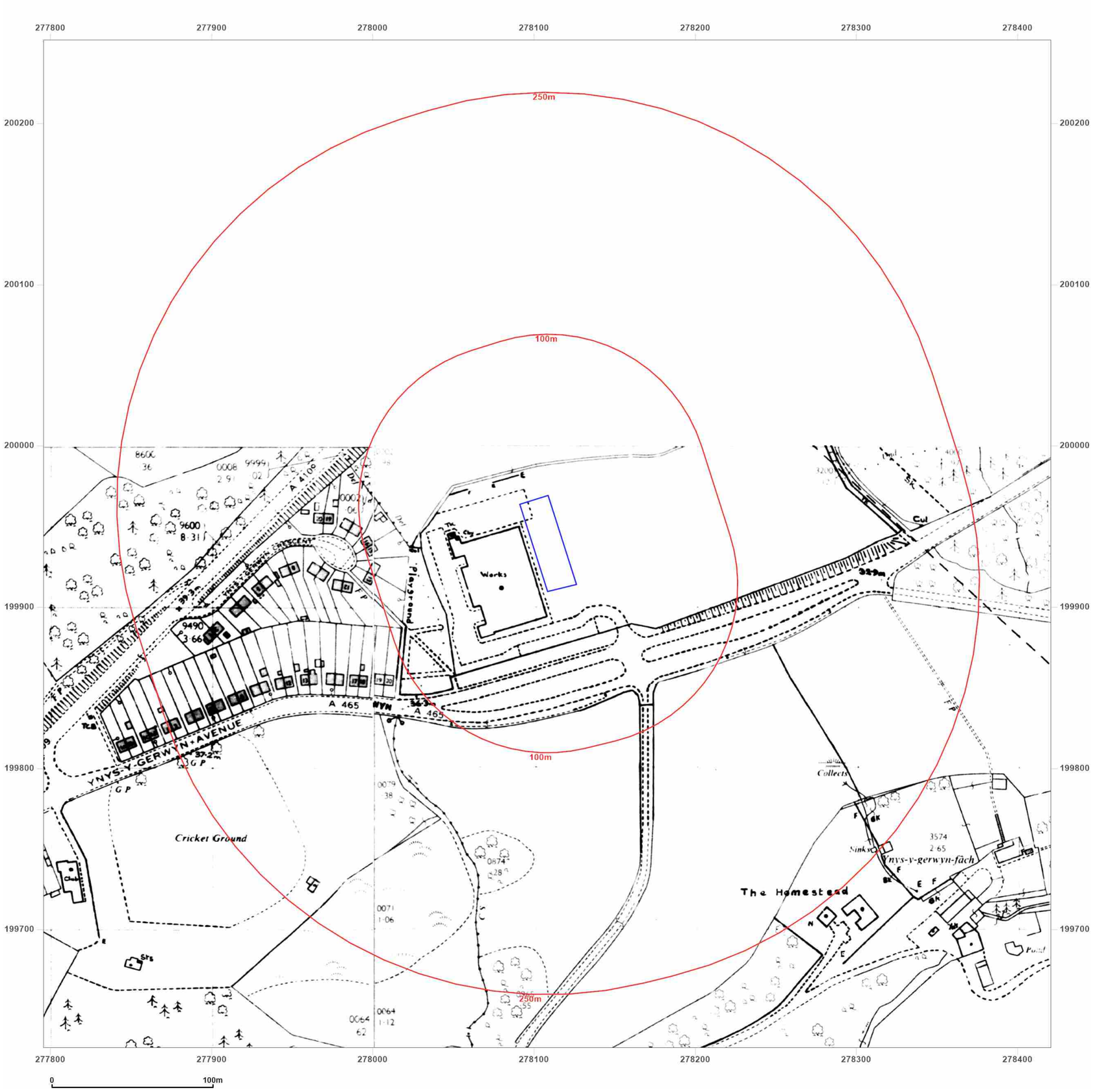
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Groundsure INSIGHTS

Site Details:

Groundhog, ABERDULAIS,
NEATH PORT TALBOT, SA10
8HH

Client Ref: 25070 Groundhog
Report Ref: GS-FAN-WVK-KKY-FWJ
Grid Ref: 278108, 199939

Map Name: National Grid

Map date: **1979**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

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

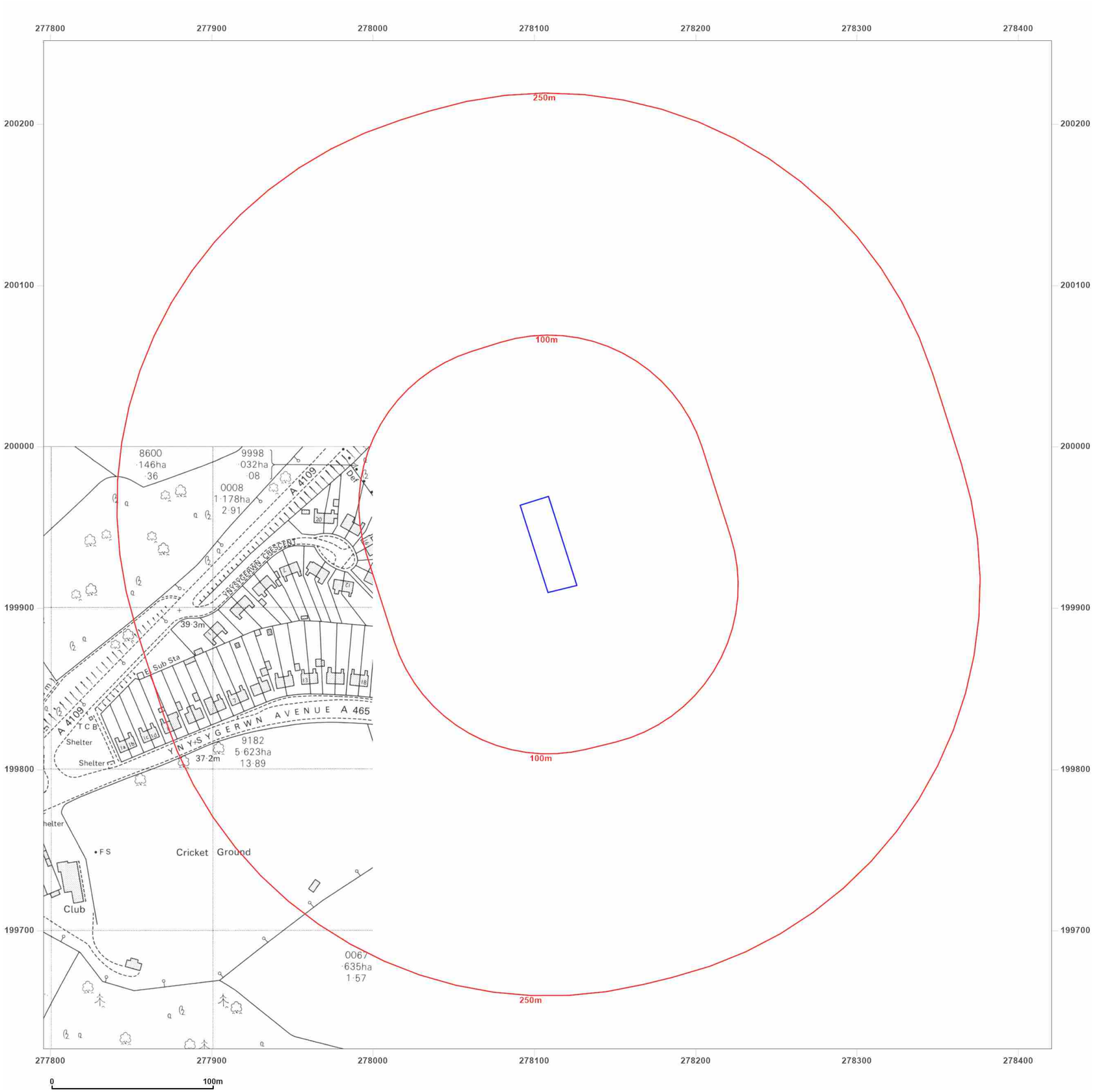
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Groundsure INSIGHTS

Site Details:

Groundhog, ABERDULAIS,
NEATH PORT TALBOT, SA10
8HH

Client Ref: 25070 Groundhog
Report Ref: GS-FAN-WVK-KKY-FWJ
Grid Ref: 278108, 199939

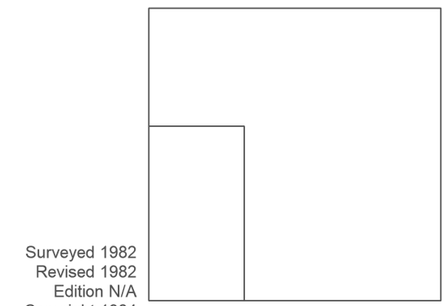
Map Name: National Grid

Map date: **1984**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1982
Revised 1982
Edition N/A
Copyright 1984
Levelled 1956

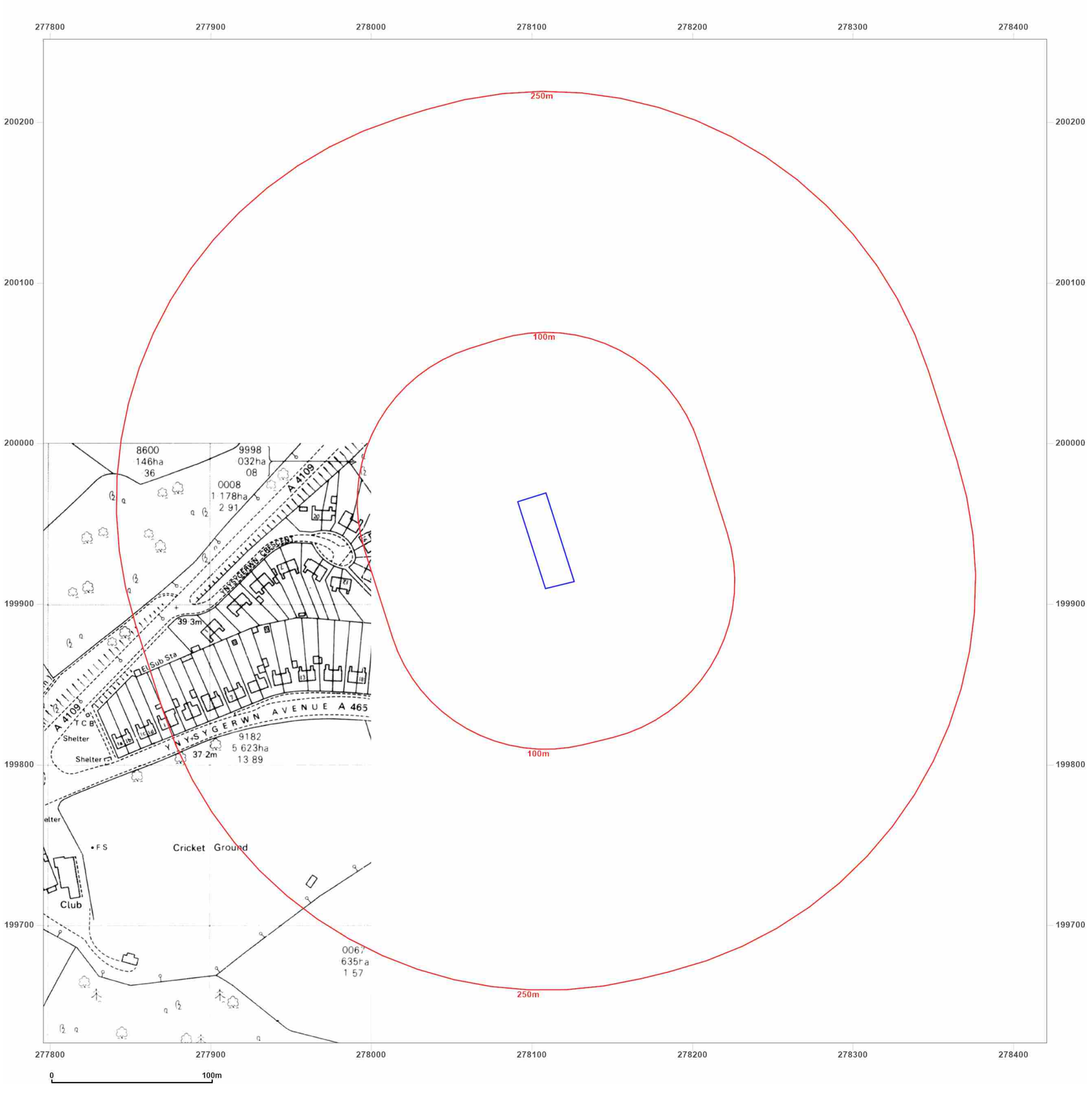
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Groundsure INSIGHTS

Site Details:

Groundhog, ABERDULAIS,
NEATH PORT TALBOT, SA10
8HH

Client Ref: 25070 Groundhog
Report Ref: GS-FAN-WVK-KKY-FWJ
Grid Ref: 278108, 199939

Map Name: National Grid

Map date: **1984**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1963
Revised 1982
Edition N/A
Copyright 1984
Levelled 1963

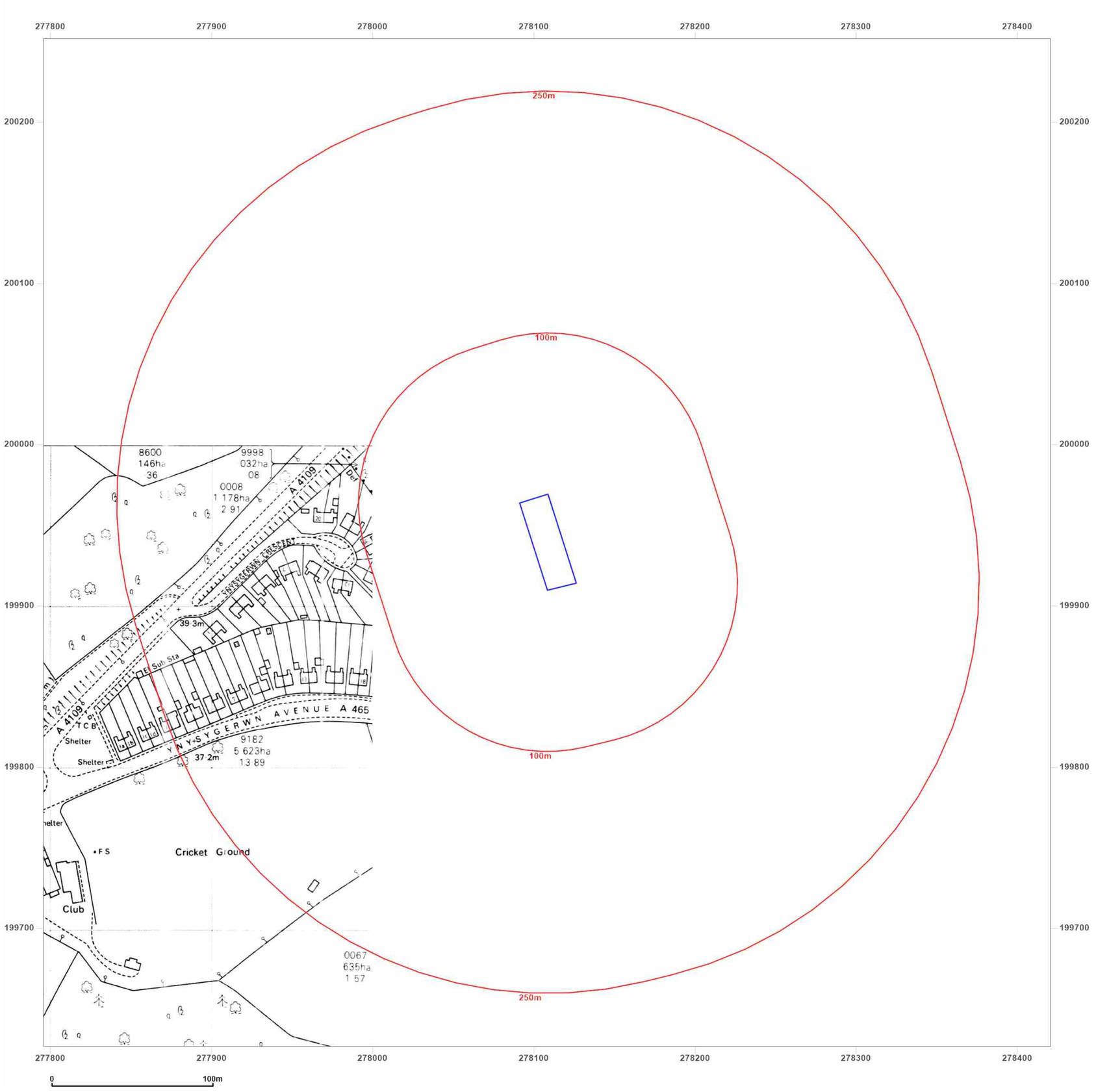
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Groundsure INSIGHTS

Site Details:

Groundhog, ABERDULAIS,
NEATH PORT TALBOT, SA10
8HH

Client Ref: 25070 Groundhog
Report Ref: GS-FAN-WVK-KKY-FWJ
Grid Ref: 278108, 199939

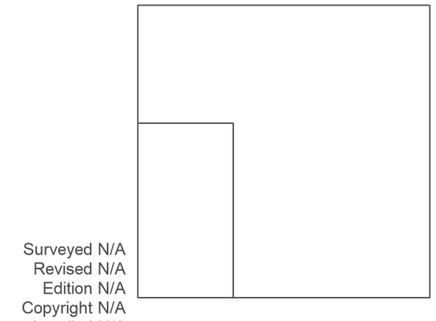
Map Name: National Grid

Map date: **1984**

Scale: 1:2,500

Printed at: 1:2,500

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

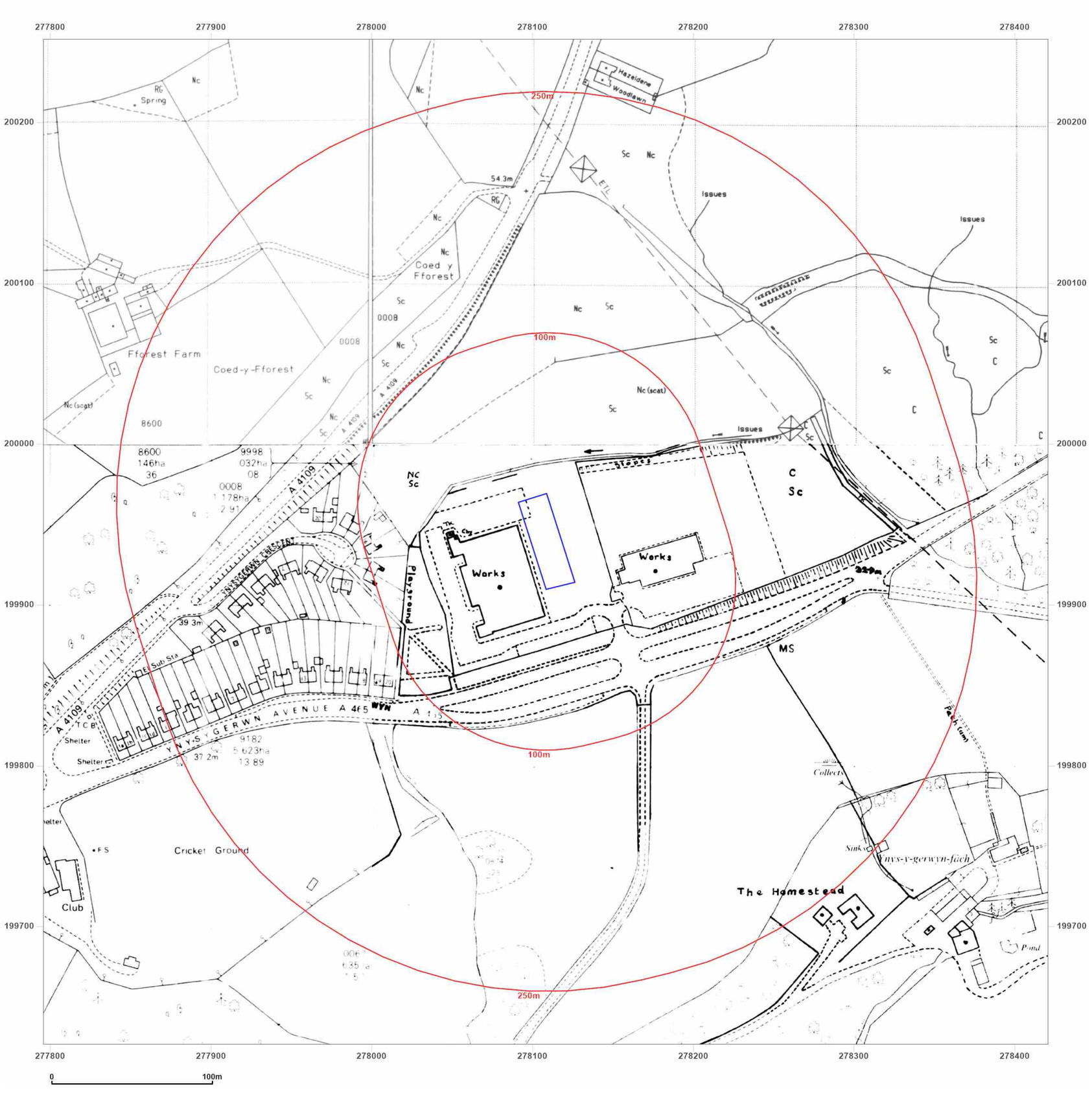
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Groundsure INSIGHTS

Site Details:

Groundhog, ABERDULAIS,
NEATH PORT TALBOT, SA10
8HH

Client Ref: 25070 Groundhog
Report Ref: GS-FAN-WVK-KKY-FWJ
Grid Ref: 278108, 199939

Map Name: National Grid

Map date: **1990-1993**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1993
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

Surveyed 1993
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

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

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

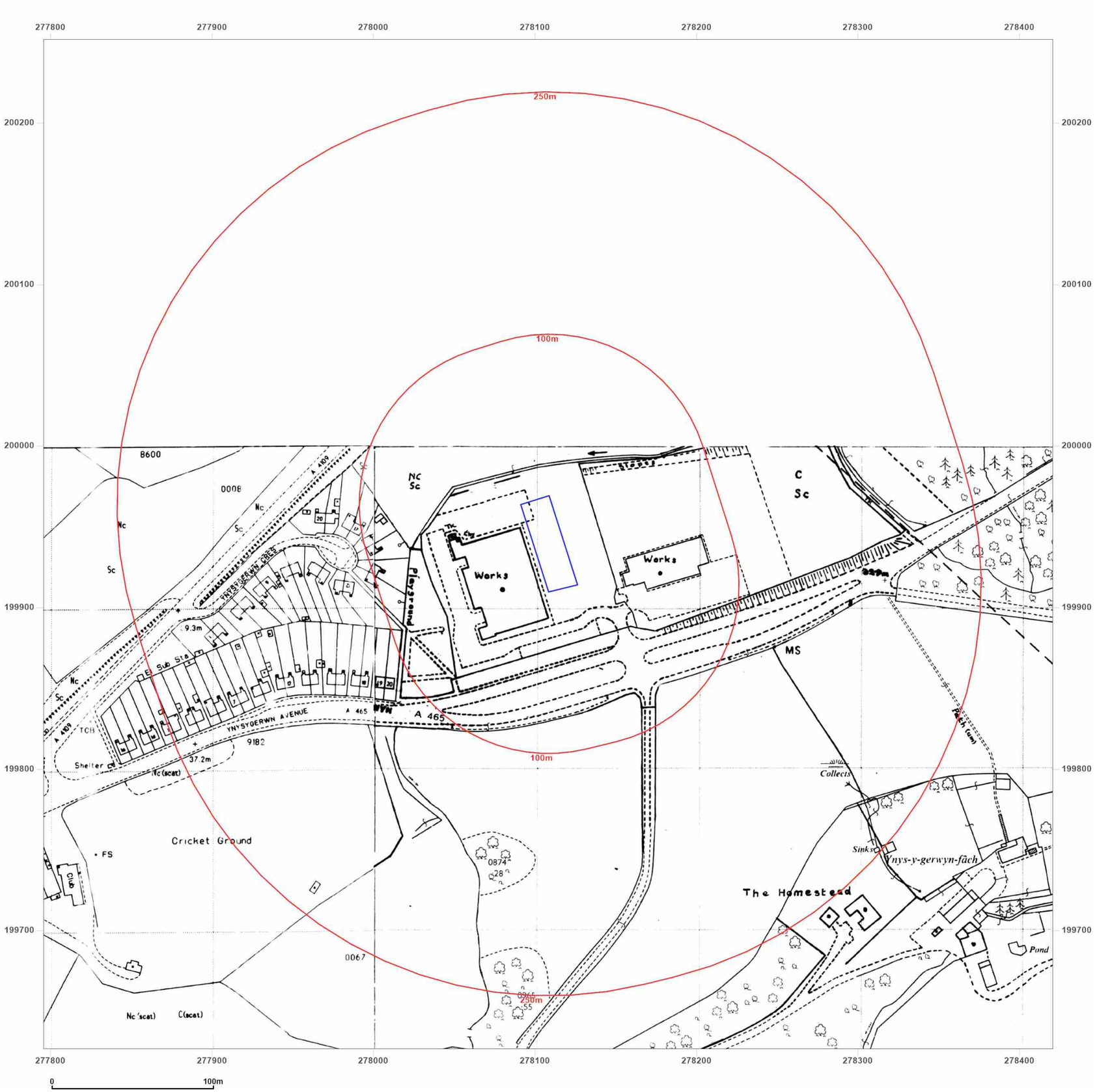
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Groundsure INSIGHTS

Site Details:

Groundhog, ABERDULAIS,
NEATH PORT TALBOT, SA10
8HH

Client Ref: 25070 Groundhog
Report Ref: GS-FAN-WVK-KKY-FWJ
Grid Ref: 278108, 199939

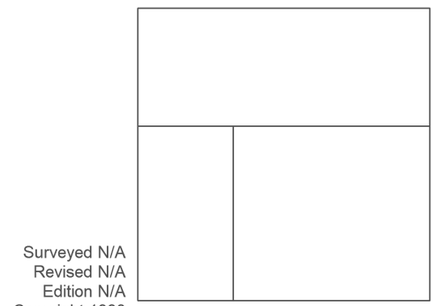
Map Name: National Grid

Map date: **1991-1993**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed N/A
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

Surveyed 1991
Revised 1991
Edition N/A
Copyright 1991
Levelled N/A

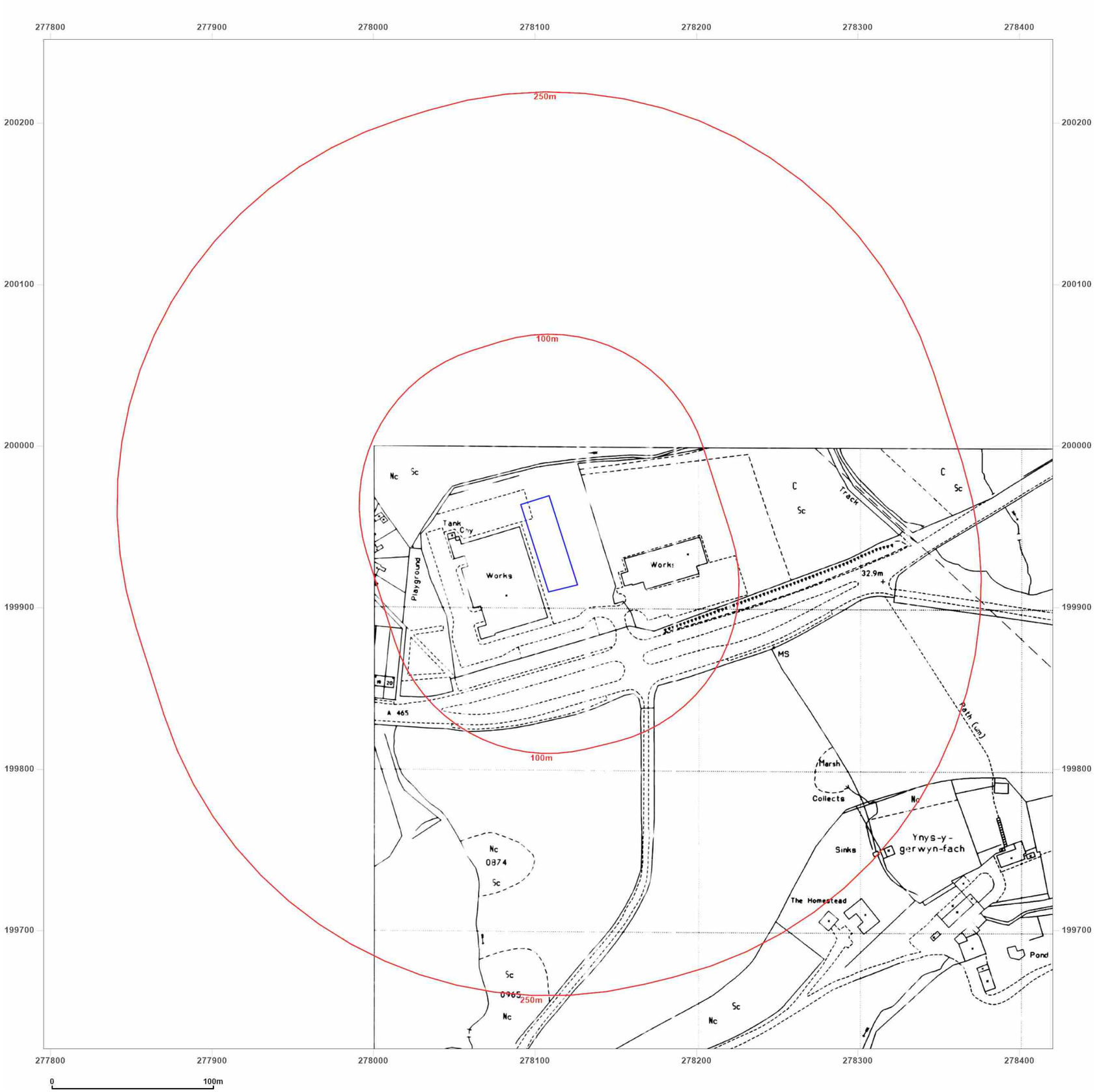
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Groundsure INSIGHTS

Site Details:

Groundhog, ABERDULAIS,
NEATH PORT TALBOT, SA10
8HH

Client Ref: 25070 Groundhog
Report Ref: GS-FAN-WVK-KKY-FWJ
Grid Ref: 278108, 199939

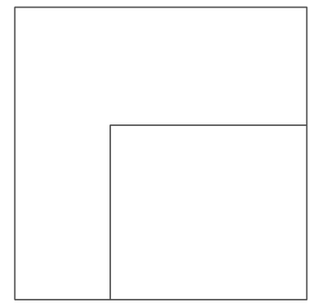
Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed N/A
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

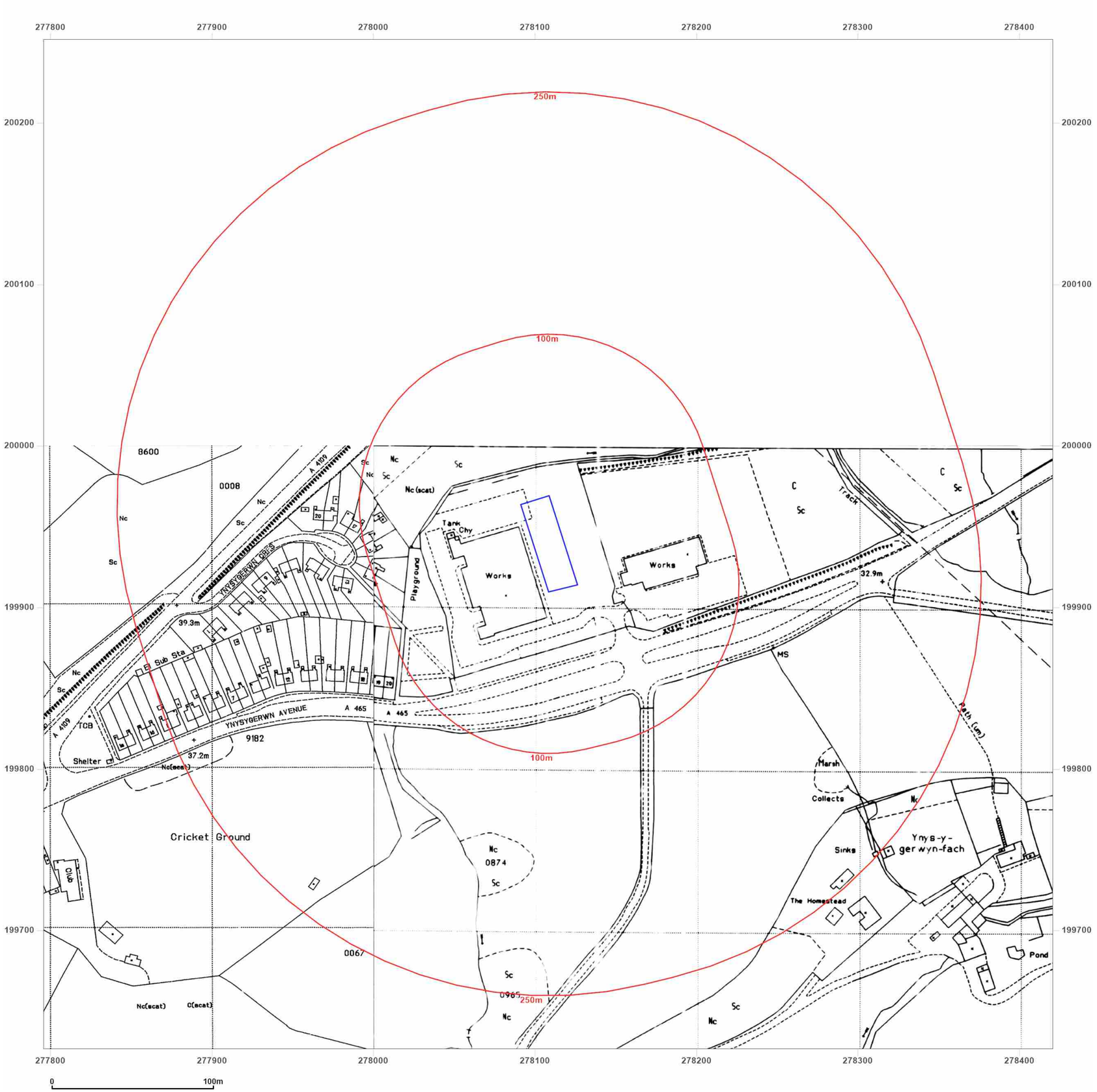
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Production date: 23 October 2025

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Groundsure INSIGHTS

Site Details:

Groundhog, ABERDULAIS,
NEATH PORT TALBOT, SA10
8HH

Client Ref: 25070 Groundhog
Report Ref: GS-FAN-WVK-KKY-FWJ
Grid Ref: 278108, 199939

Map Name: National Grid

Map date: **1993-1994**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

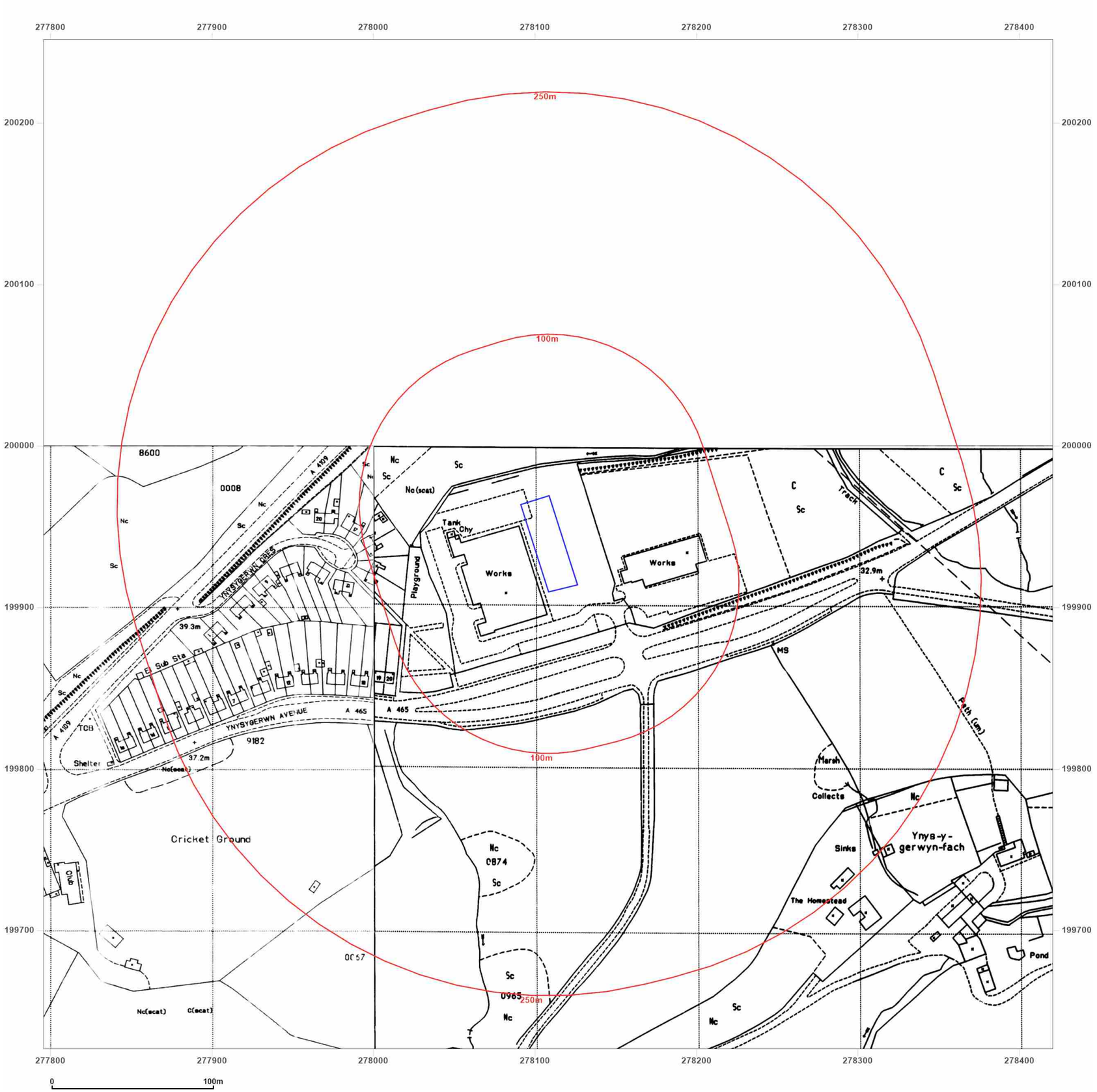
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Production date: 23 October 2025

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Groundsure INSIGHTS

Site Details:

Groundhog, ABERDULAIS,
NEATH PORT TALBOT, SA10
8HH

Client Ref: 25070 Groundhog
Report Ref: GS-FAN-WVK-KKY-FWJ
Grid Ref: 278108, 199939

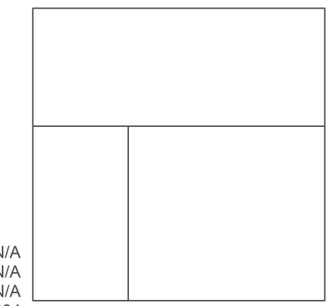
Map Name: National Grid

Map date: **1993-1994**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
S



Surveyed N/A
Revised N/A
Edition N/A
Copyright 1994
Levelled N/A

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

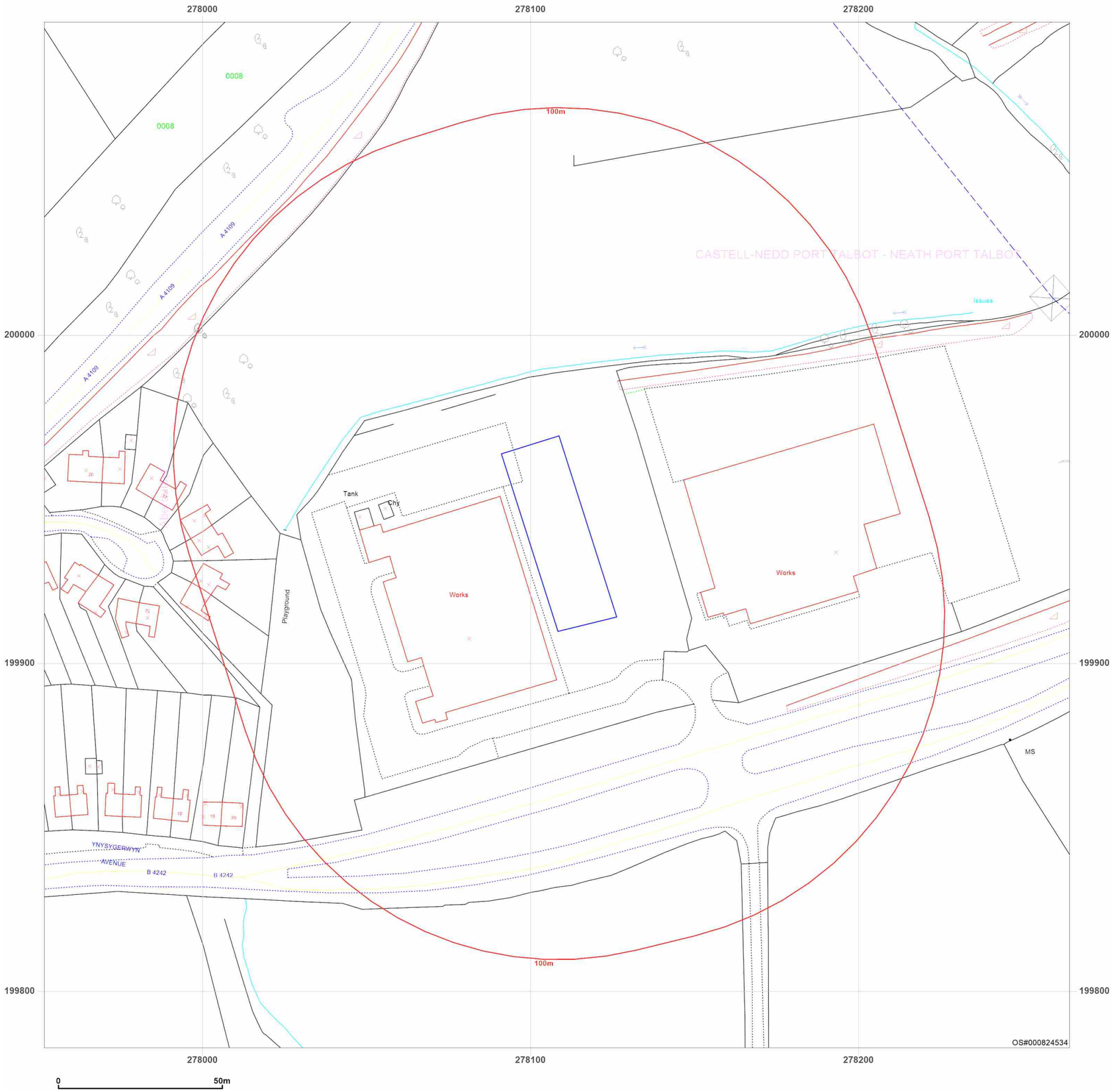
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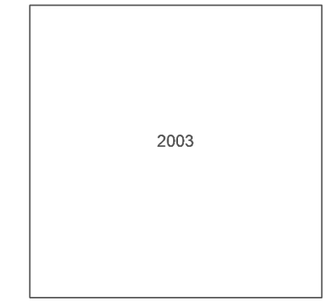
Site Details:

Groundhog, ABERDULAIS,
NEATH PORT TALBOT, SA10
8HH

Client Ref: 25070 Groundhog
Report Ref: GS-FAN-WVK-KKY-FWJ
Grid Ref: 278108, 199939

Map Name: LandLine
Map date: **2003**
Scale: 1:1,250
Printed at: 1:1,250

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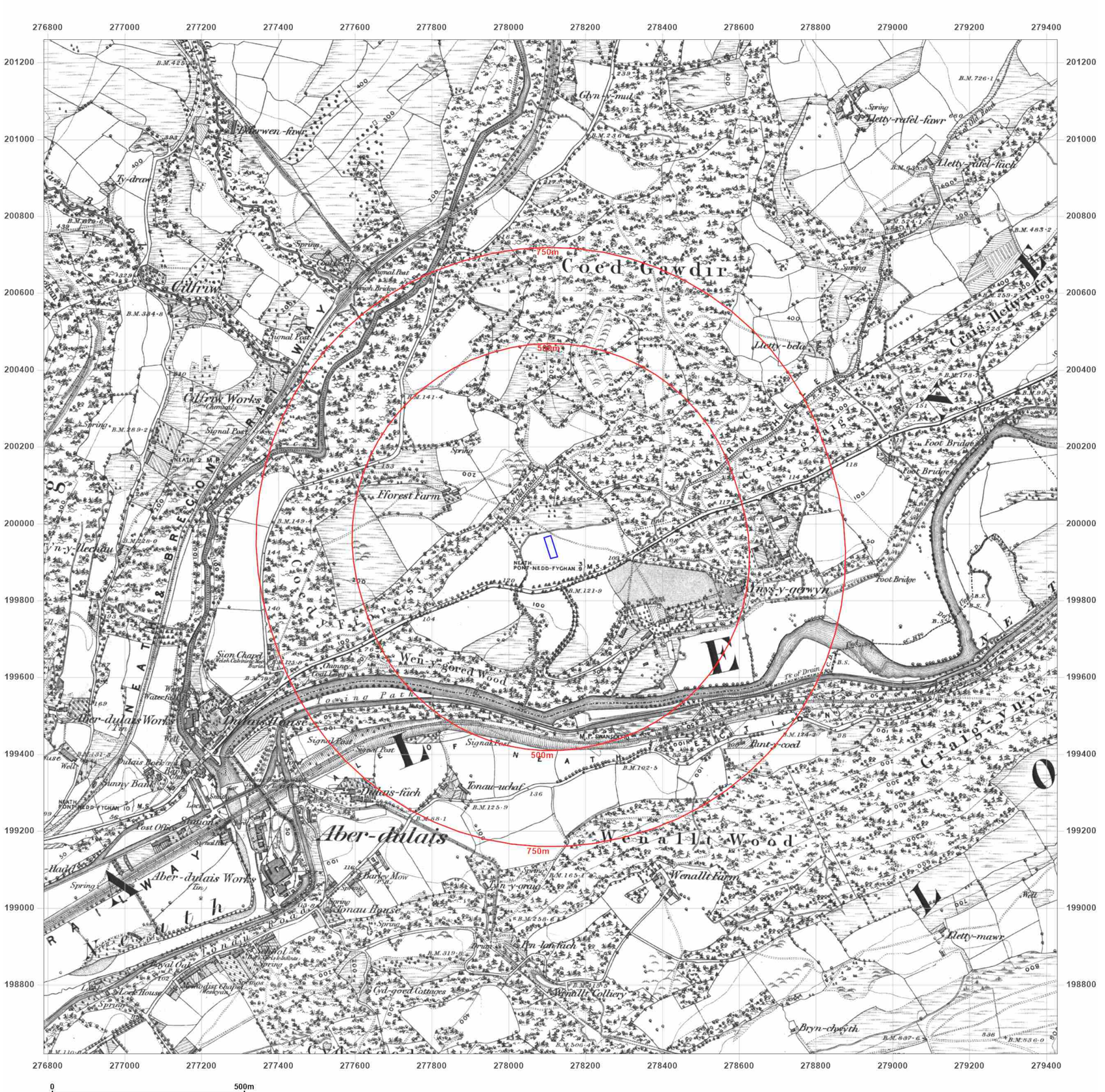
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Groundsure INSIGHTS

Site Details:

Groundhog, ABERDULAIS,
NEATH PORT TALBOT, SA10
8HH

Client Ref: 25070 Groundhog
Report Ref: GS-FAN-WVK-KKY-FWJ
Grid Ref: 278108, 199939

Map Name: County Series

Map date: **1877**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1877
Revised 1877
Edition N/A
Copyright N/A
Levelled N/A

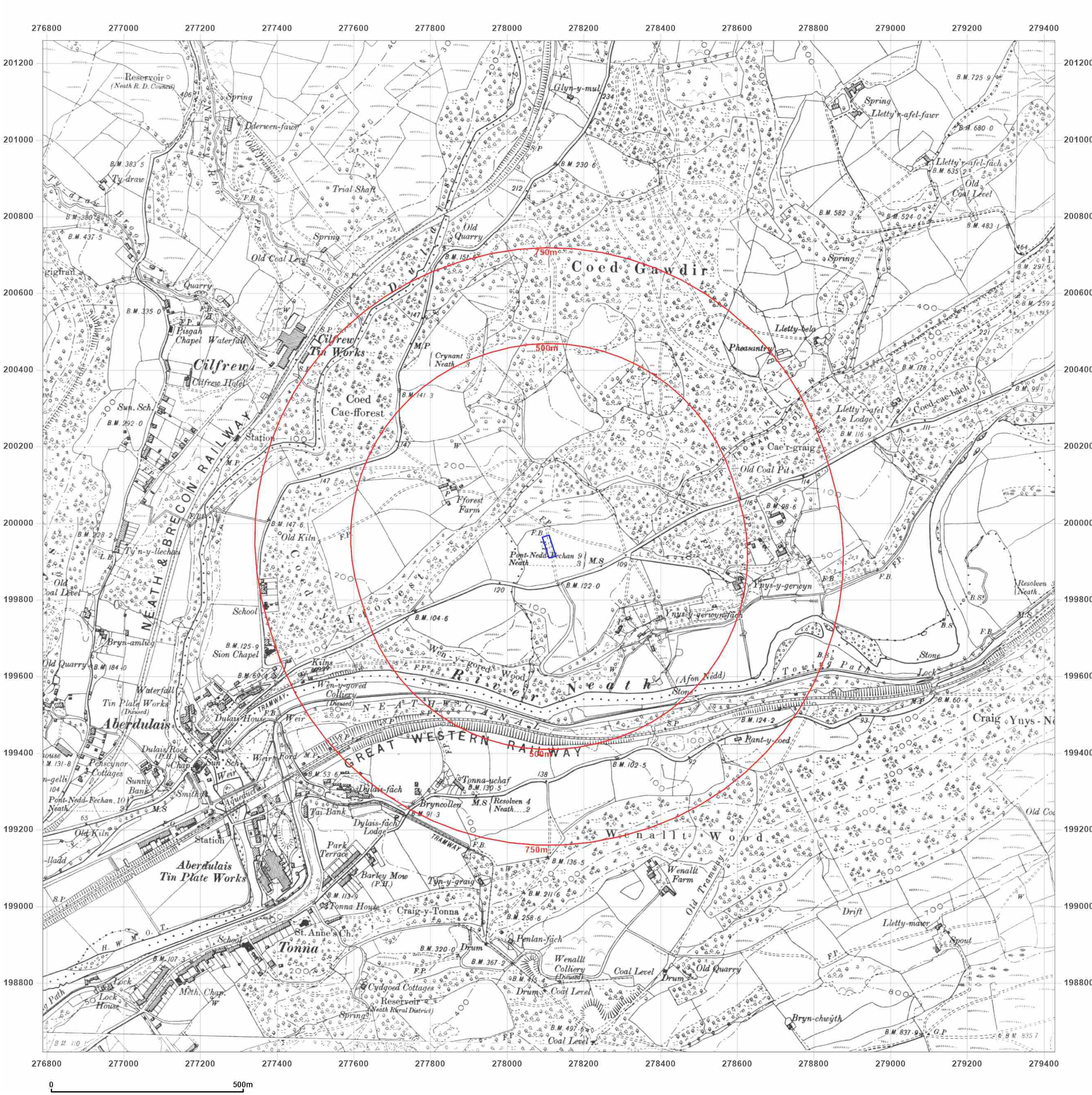
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Site Details:

Groundhog, ABERDULAIS, NEATH PORT TALBOT, SA10 8HH

Client Ref: 25070 Groundhog
Report Ref: GS-FAN-WVK-KKY-FWJ
Grid Ref: 278108, 199939

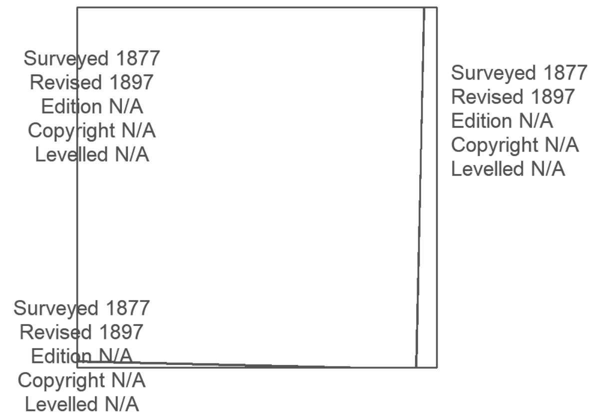
Map Name: County Series

Map date: **1897**

Scale: 1:10,560

Printed at: 1:10,560

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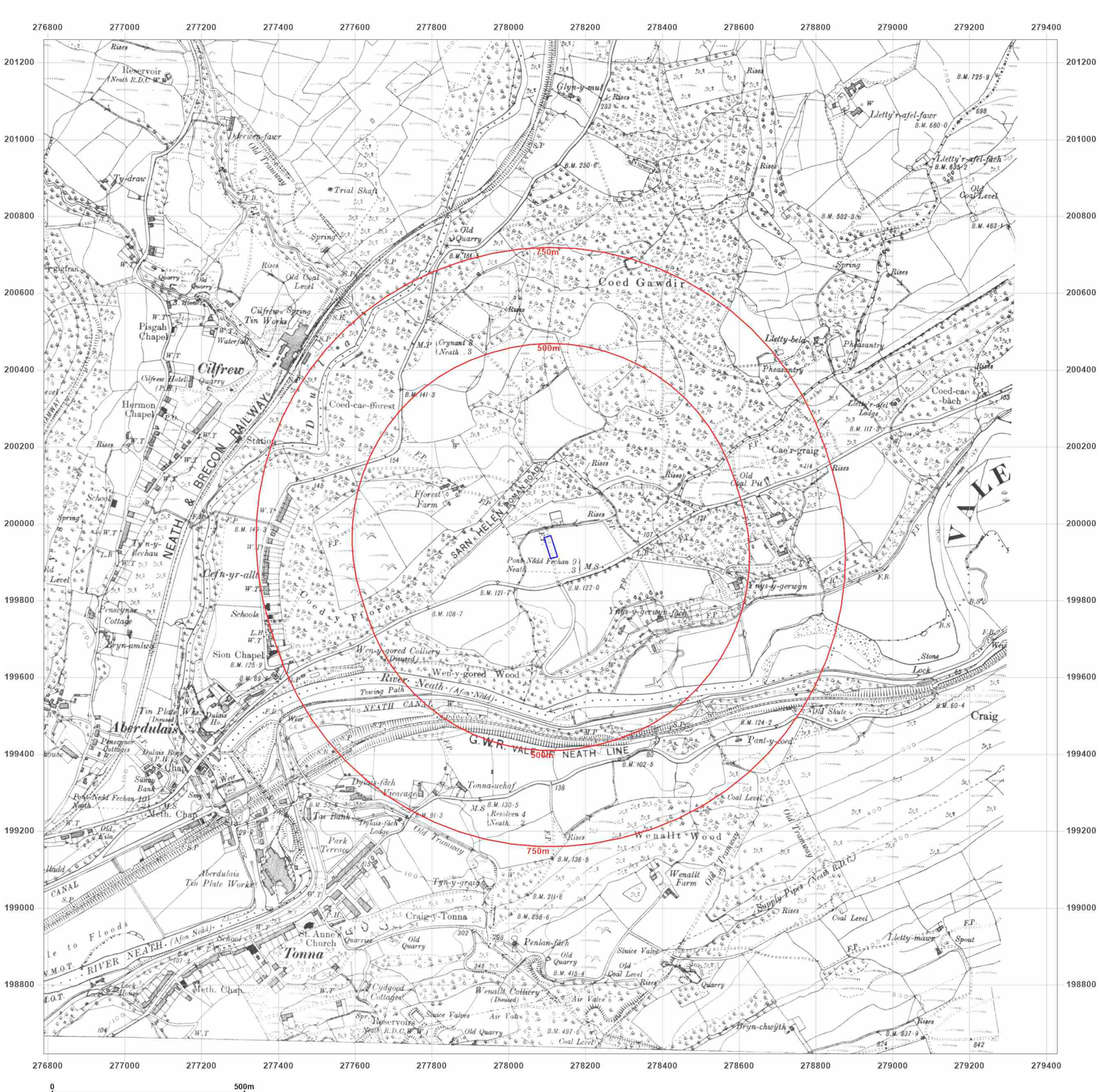
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Site Details:

Groundhog, ABERDULAIS,
NEATH PORT TALBOT, SA10
8HH

Client Ref: 25070 Groundhog
Report Ref: GS-FAN-WVK-KKY-FWJ
Grid Ref: 278108, 199939

Map Name: County Series

Map date: **1914**

Scale: 1:10,560

Printed at: 1:10,560

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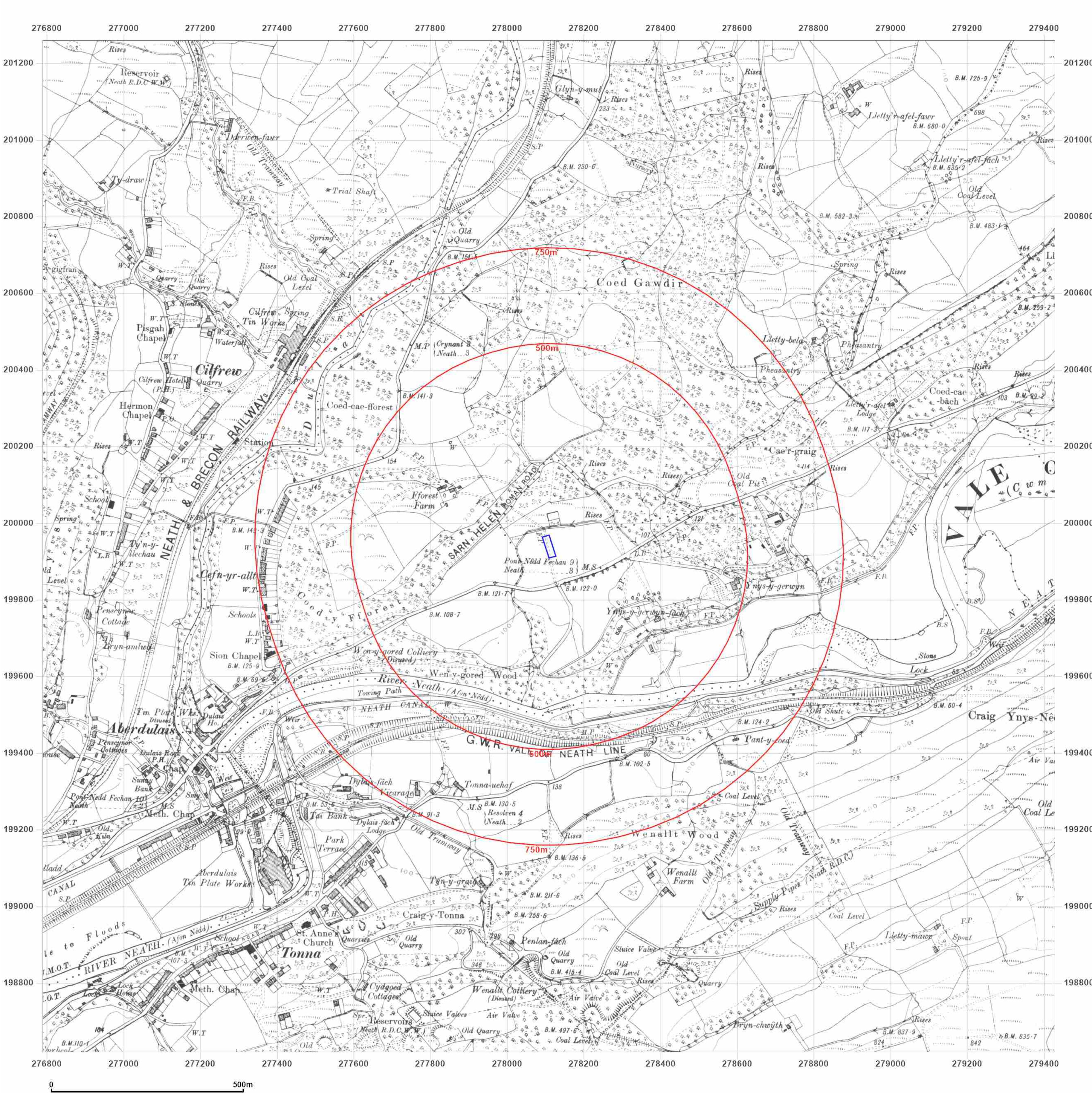
Surveyed 1875
Revised 1914
Edition N/A
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Site Details:

Groundhog, ABERDULAIS,
NEATH PORT TALBOT, SA10
8HH

Client Ref: 25070 Groundhog
Report Ref: GS-FAN-WVK-KKY-FWJ
Grid Ref: 278108, 199939

Map Name: County Series

Map date: **1921**

Scale: 1:10,560

Printed at: 1:10,560

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Surveyed 1876
Revised 1921
Edition 1921
Copyright N/A
Levelled N/A

Surveyed 1876
Revised 1921
Edition N/A
Copyright N/A
Levelled N/A

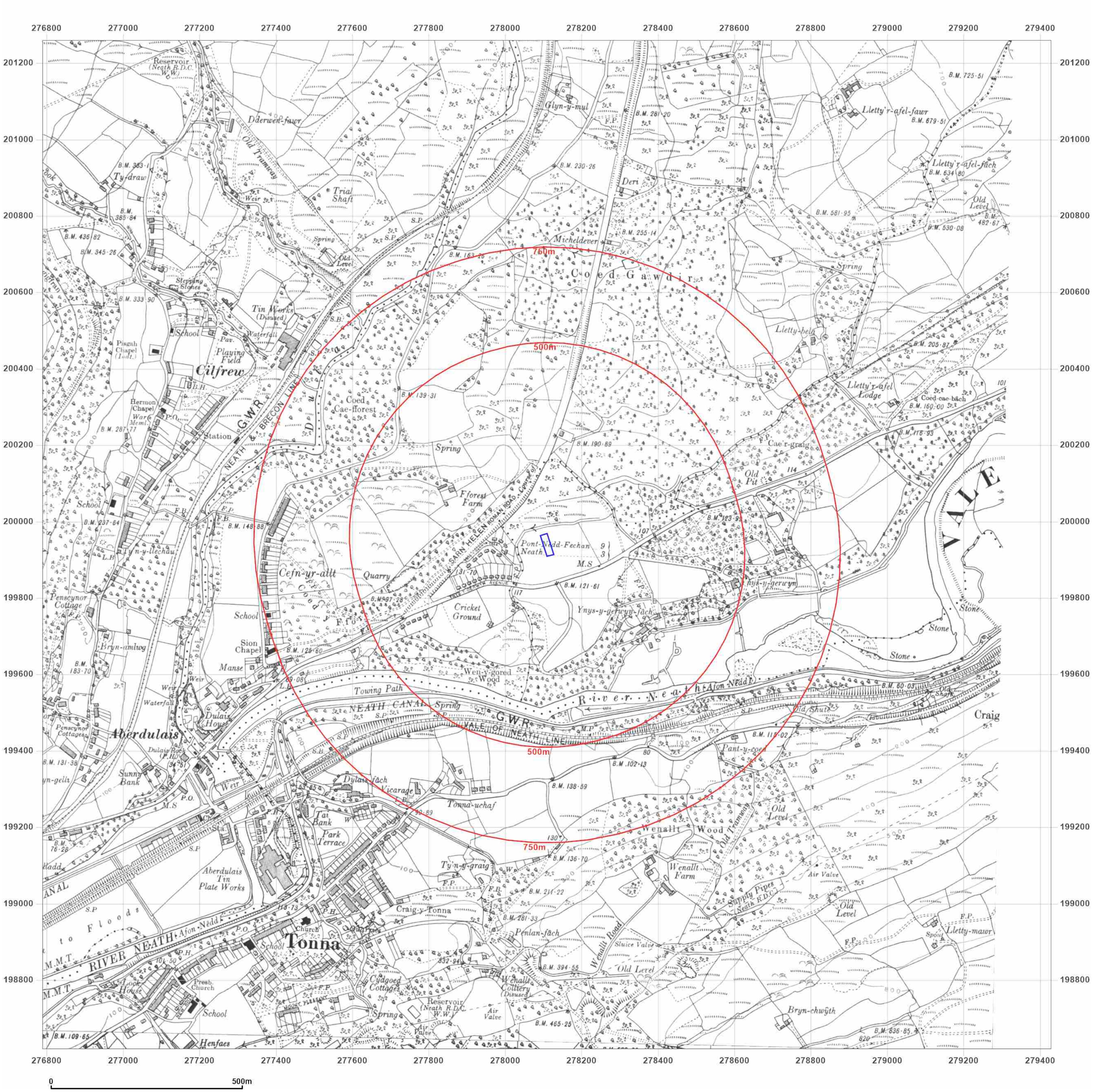
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Site Details:

Groundhog, ABERDULAIS,
NEATH PORT TALBOT, SA10
8HH

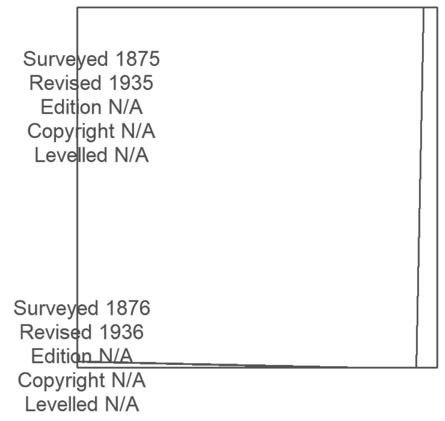
Client Ref: 25070 Groundhog
Report Ref: GS-FAN-WVK-KKY-FWJ
Grid Ref: 278108, 199939

Map Name: County Series

Map date: **1935-1936**

Scale: 1:10,560

Printed at: 1:10,560

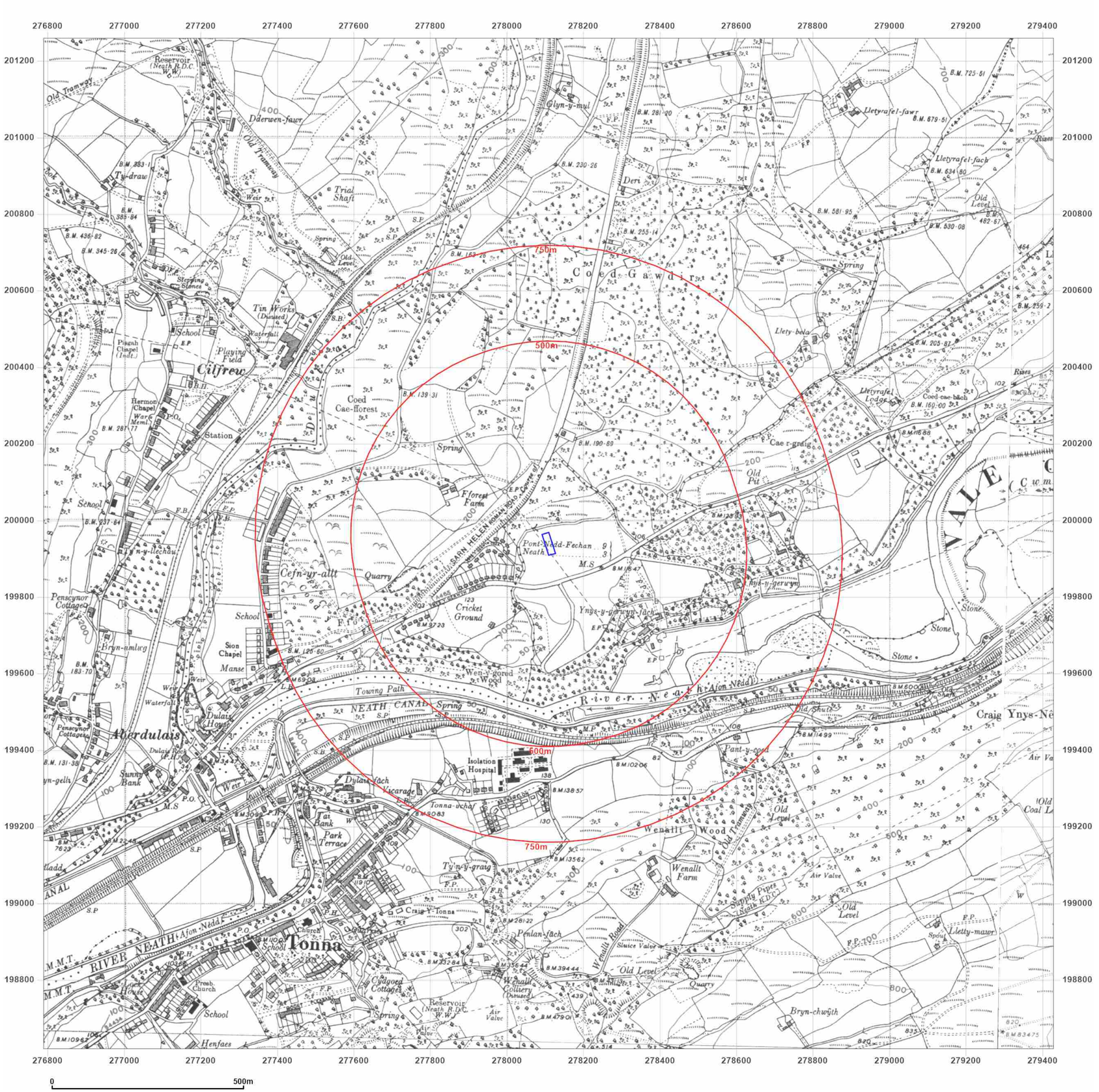


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Groundsure INSIGHTS

Site Details:

Groundhog, ABERDULAIS,
NEATH PORT TALBOT, SA10
8HH

Client Ref: 25070 Groundhog
Report Ref: GS-FAN-WVK-KKY-FWJ
Grid Ref: 278108, 199939

Map Name: County Series

Map date: **1948-1951**

Scale: 1:10,560

Printed at: 1:10,560

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Surveyed 1875
Revised 1948
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1876
Revised 1948
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1876
Revised 1948
Edition 1951
Copyright N/A
Levelled 1950

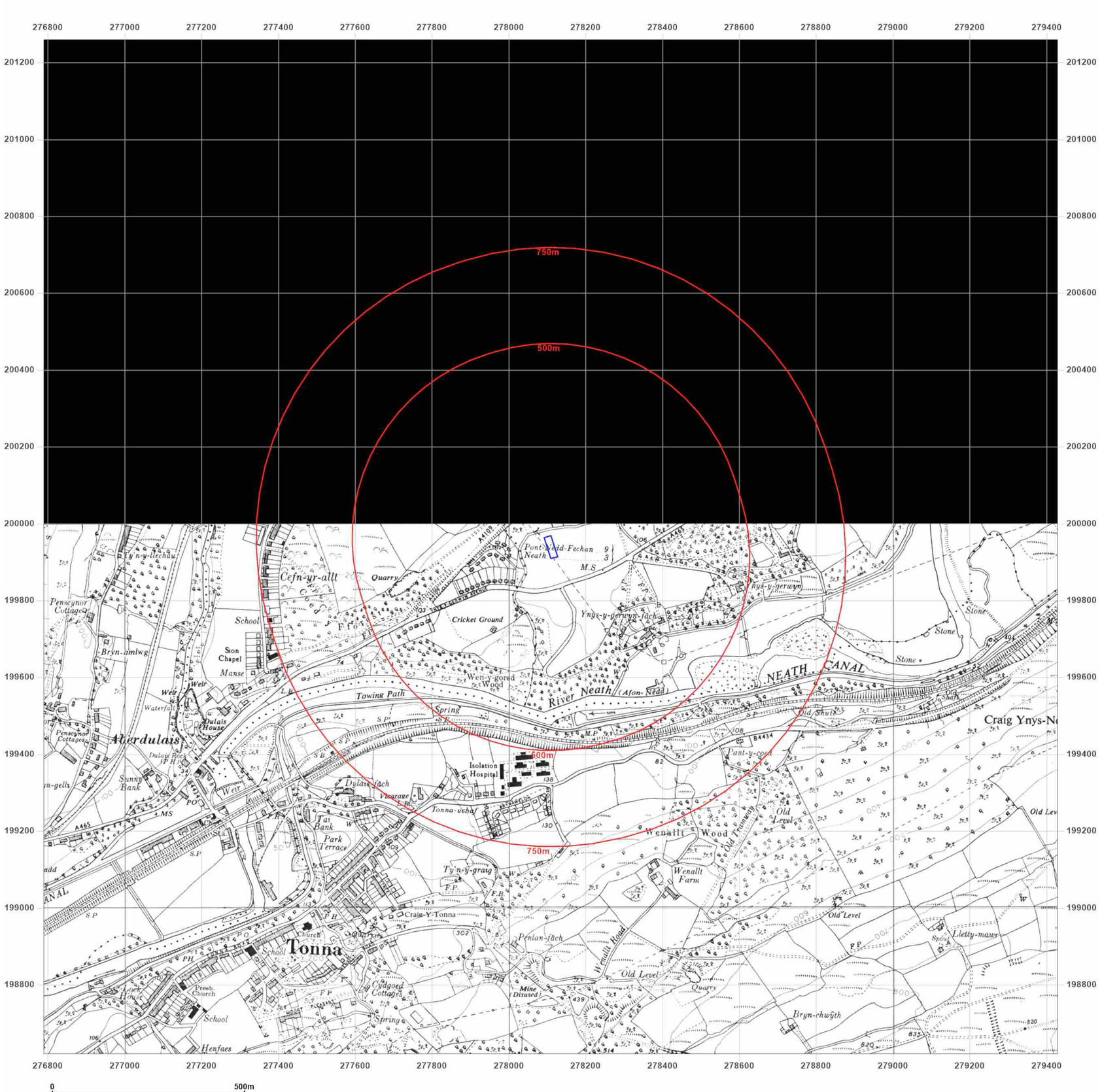
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Groundsure INSIGHTS

Site Details:

Groundhog, ABERDULAIS,
NEATH PORT TALBOT, SA10
8HH

Client Ref: 25070 Groundhog
Report Ref: GS-FAN-WVK-KKY-FWJ
Grid Ref: 278108, 199939

Map Name: Provisional

Map date: **1962-1964**

Scale: 1:10,560

Printed at: 1:10,560

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Surveyed 1964
Revised 1964
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1962
Revised 1962
Edition N/A
Copyright N/A
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Groundsure INSIGHTS

Site Details:

Groundhog, ABERDULAIS,
NEATH PORT TALBOT, SA10
8HH

Client Ref: 25070 Groundhog
Report Ref: GS-FAN-WVK-KKY-FWJ
Grid Ref: 278108, 199939

Map Name: National Grid

Map date: **1973**

Scale: 1:10,000

Printed at: 1:10,000

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Surveyed 1970
Revised 1973
Edition N/A
Copyright 1973
Levelled 1964

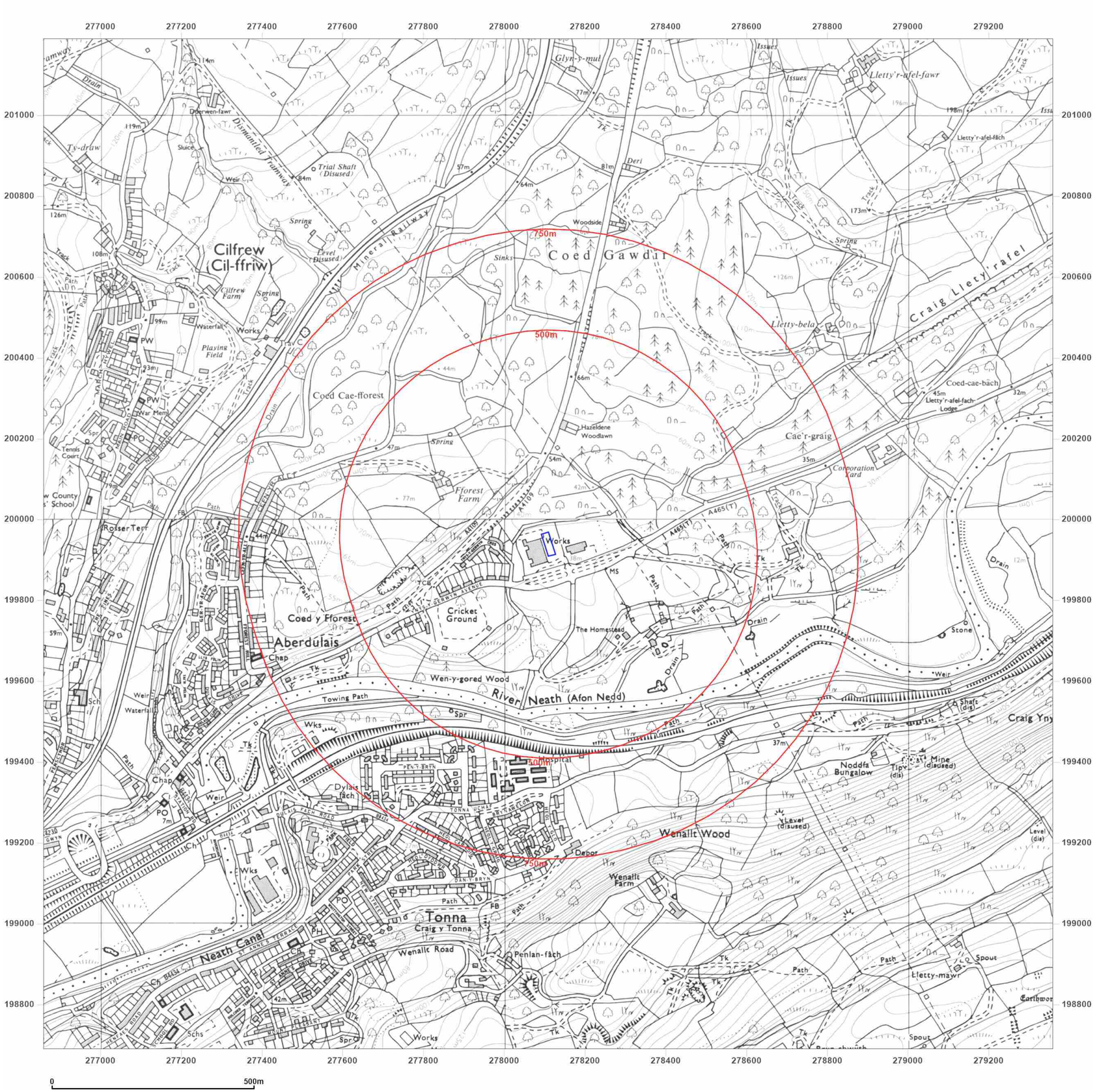
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Groundsure INSIGHTS

Site Details:

Groundhog, ABERDULAIS,
NEATH PORT TALBOT, SA10
8HH

Client Ref: 25070 Groundhog
Report Ref: GS-FAN-WVK-KKY-FWJ
Grid Ref: 278108, 199939

Map Name: National Grid

Map date: **1982-1987**

Scale: 1:10,000

Printed at: 1:10,000

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Surveyed 1977
Revised 1987
Edition N/A
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Levelled N/A

Surveyed 1976
Revised 1982
Edition N/A
Copyright N/A
Levelled N/A

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Groundsure INSIGHTS

Site Details:

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NEATH PORT TALBOT, SA10
8HH

Client Ref: 25070 Groundhog
Report Ref: GS-FAN-WVK-KKY-FWJ
Grid Ref: 278108, 199939

Map Name: National Grid

Map date: **1991**

Scale: 1:10,000

Printed at: 1:10,000

N
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Surveyed 1989
Revised 1991
Edition N/A
Copyright N/A
Levelled N/A

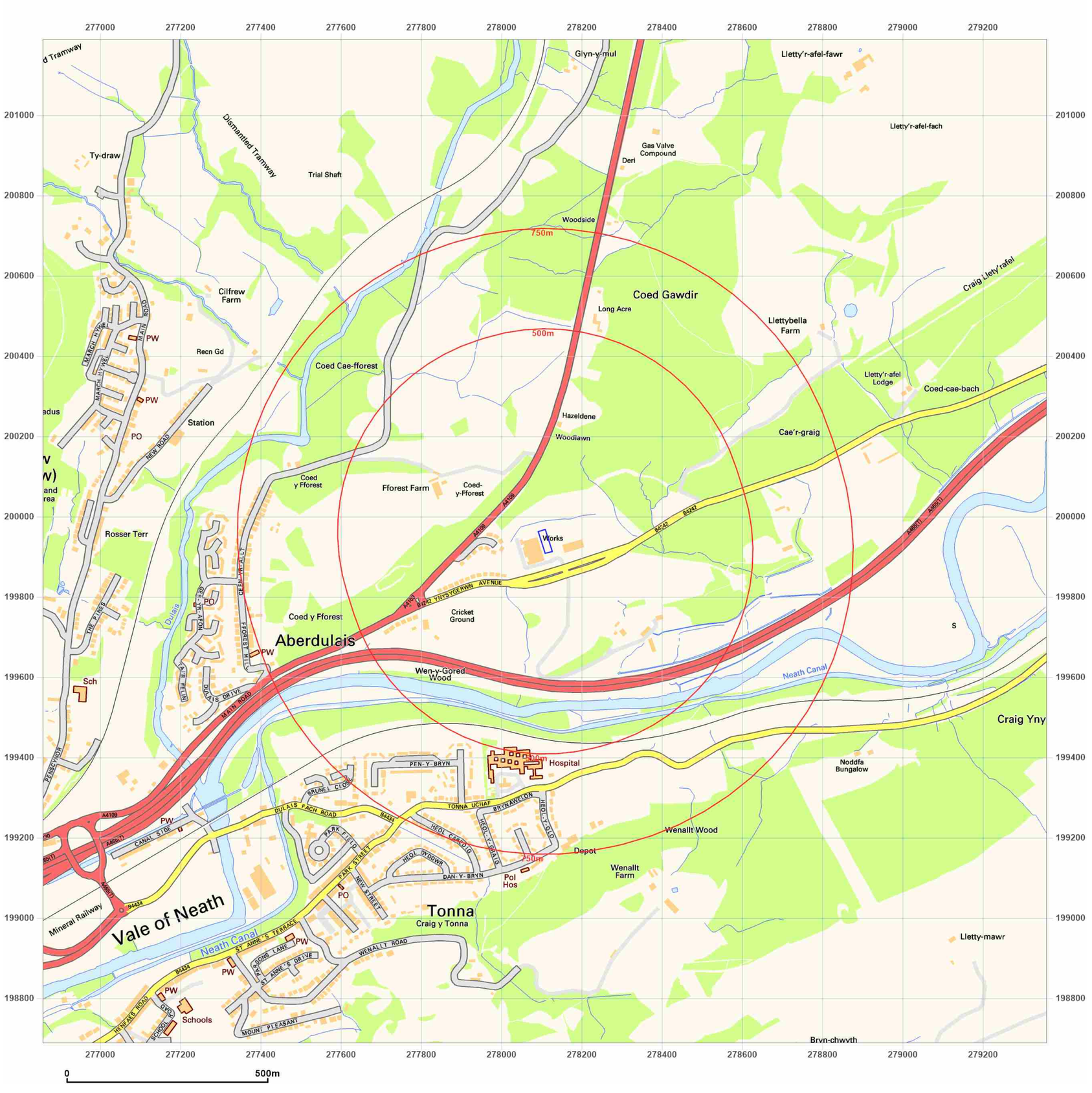
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Groundsure INSIGHTS

Site Details:

Groundhog, ABERDULAIS,
NEATH PORT TALBOT, SA10
8HH

Client Ref: 25070 Groundhog
Report Ref: GS-FAN-WVK-KKY-FWJ
Grid Ref: 278108, 199939

Map Name: National Grid

Map date: **2001**

Scale: 1:10,000

Printed at: 1:10,000

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2001

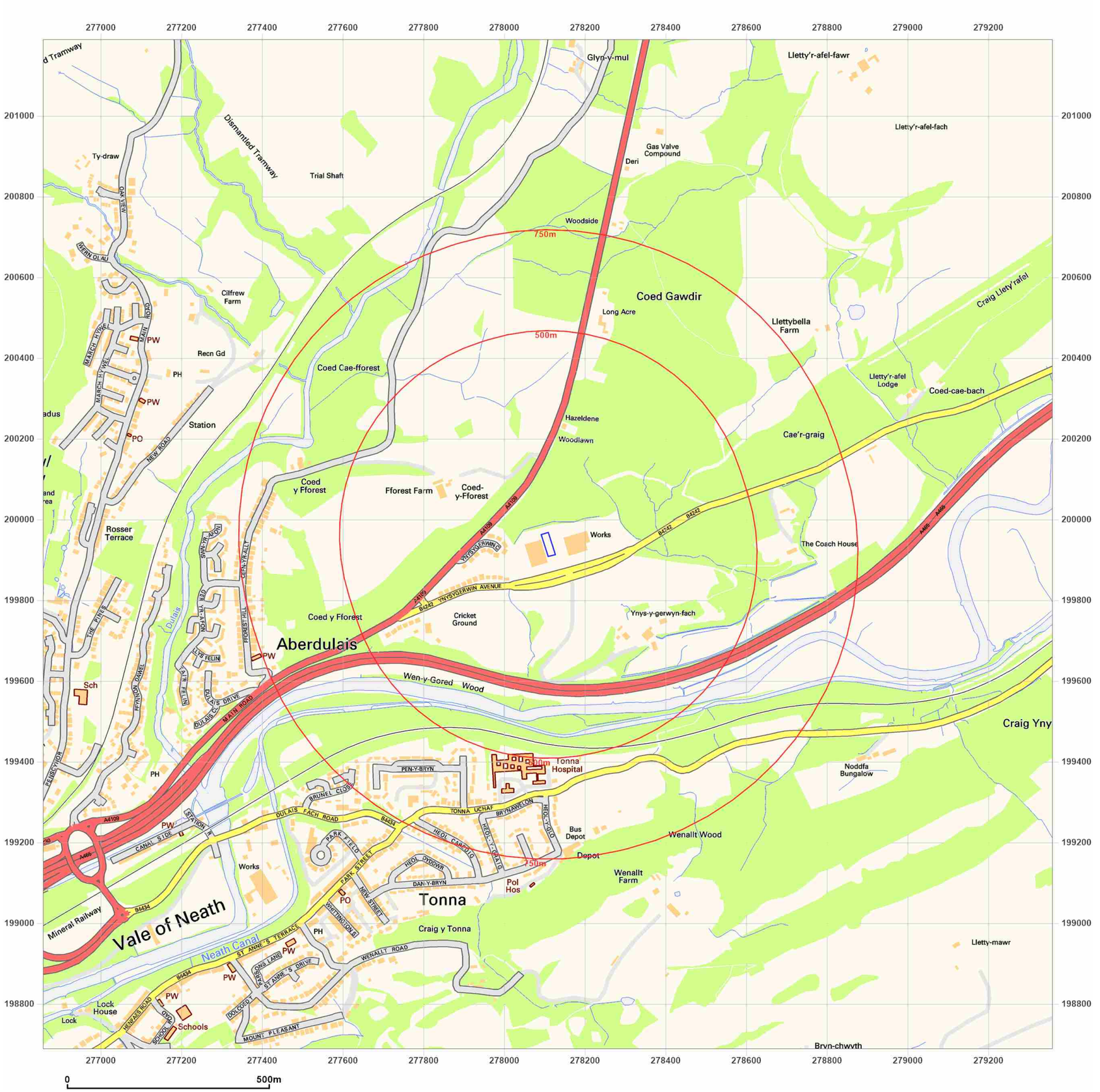
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Groundsure INSIGHTS

Site Details:

Groundhog, ABERDULAIS,
NEATH PORT TALBOT, SA10
8HH

Client Ref: 25070 Groundhog
Report Ref: GS-FAN-WVK-KKY-FWJ
Grid Ref: 278108, 199939

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

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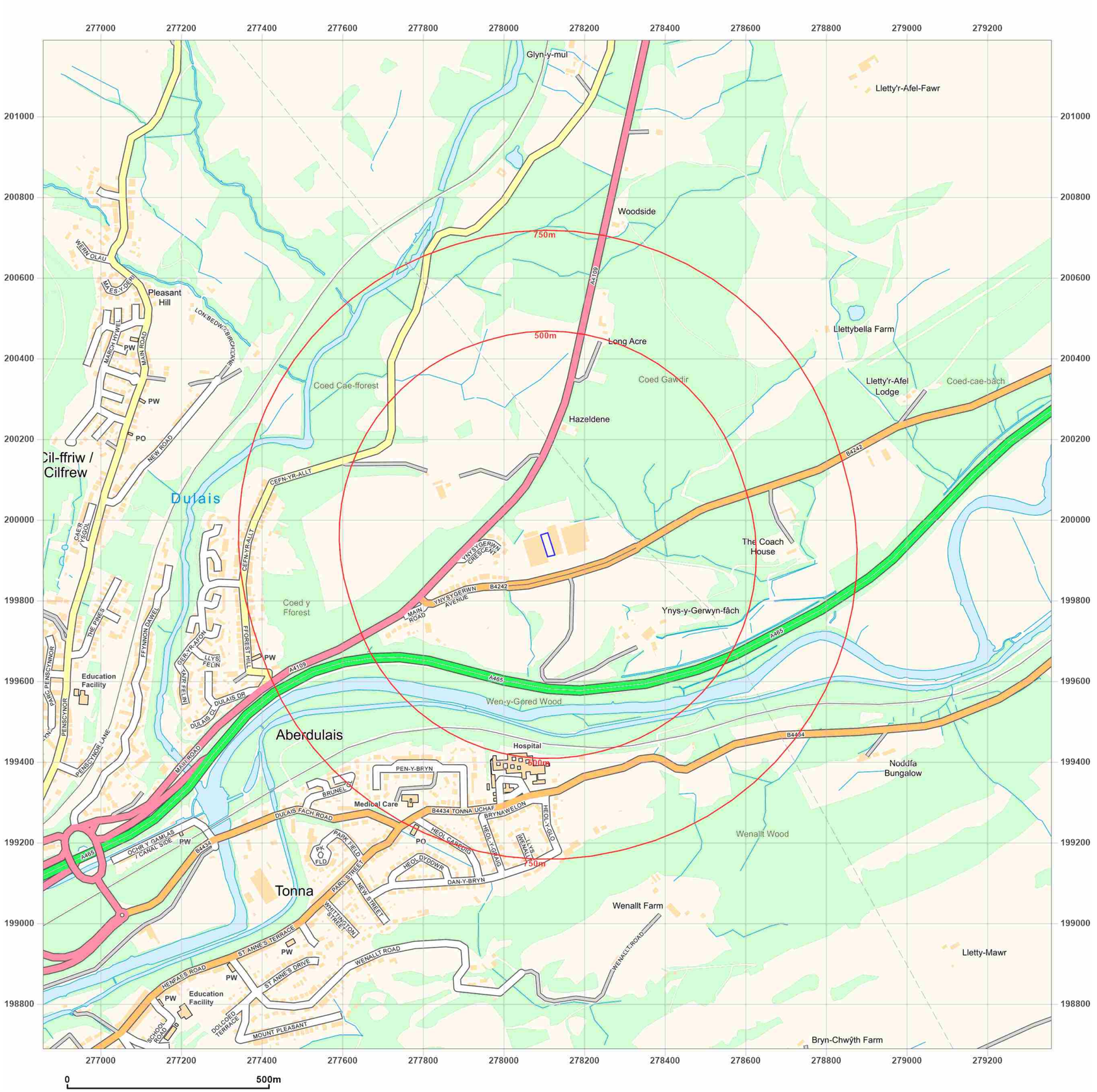
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Groundsure INSIGHTS

Site Details:

Groundhog, ABERDULAIS,
NEATH PORT TALBOT, SA10
8HH

Client Ref: 25070 Groundhog
Report Ref: GS-FAN-WVK-KKY-FWJ
Grid Ref: 278108, 199939

Map Name: National Grid

Map date: **2025**

Scale: 1:10,000

Printed at: 1:10,000

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Groundsure LOCATION INTELLIGENCE

Enviro+Geo Insight

Groundhog, ABERDULAIS, NEATH PORT TALBOT, SA10 8HH

Order Details

Date: 23/10/2025

Your ref: 25070 Groundhog

Our Ref: GS-HYT-8F5-G4G-PL8

Site Details

Location: 278108 199939

Area: 0.11 ha

Authority: Castell-nedd Port Talbot - Neath Port Talbot County Borough ↗



Summary of findings p. 2 >

Aerial image p. 9 >

OS MasterMap site plan p.14 >

Insight User Guide ↗

Contact us with any questions at:
info@groundsure.com ↗
01273 257 755

Certified B Corporation

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 >	1	0	1	24	-
17 >	1.2 >	Historical tanks >	0	1	0	0	-
17 >	1.3 >	Historical energy features >	0	0	0	1	-
17	1.4	Historical petrol stations	0	0	0	0	-
18	1.5	Historical garages	0	0	0	0	-
18	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
19 >	2.1 >	Historical industrial land uses >	3	0	1	35	-
21 >	2.2 >	Historical tanks >	0	4	0	0	-
21 >	2.3 >	Historical energy features >	0	0	0	2	-
22	2.4	Historical petrol stations	0	0	0	0	-
22	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
23	3.1	Active or recent landfill	0	0	0	0	-
23	3.2	Historical landfill (BGS records)	0	0	0	0	-
24	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
24	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
24	3.5	Historical waste sites	0	0	0	0	-
24	3.6	Licensed waste sites	0	0	0	0	-
24 >	3.7 >	Waste exemptions >	0	0	0	35	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
28 >	4.1 >	Recent industrial land uses >	0	2	5	-	-
29	4.2	National Geographic Database (NGD) - Current or recent tanks	0	0	0	-	-
29	4.3	Current or recent petrol stations	0	0	0	0	-
29	4.4	Electricity cables	0	0	0	0	-
29	4.5	Gas pipelines	0	0	0	0	-

30	4.6	Sites determined as Contaminated Land	0	0	0	0	-
30	4.7	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
30	4.8	Regulated explosive sites	0	0	0	0	-
30	4.9	Hazardous substance storage/usage	0	0	0	0	-
30	4.10	Historical licensed industrial activities (IPC)	0	0	0	0	-
31	4.11	Licensed industrial activities (Part A(1))	0	0	0	0	-
31	4.12	Licensed pollutant release (Part A(2)/B)	0	0	0	0	-
31	4.13	Radioactive Substance Authorisations	0	0	0	0	-
31	4.14	Licensed Discharges to controlled waters	0	0	0	0	-
31	4.15	Pollutant release to surface waters (Red List)	0	0	0	0	-
32	4.16	Pollutant release to public sewer	0	0	0	0	-
32	4.17	List 1 Dangerous Substances	0	0	0	0	-
32	4.18	List 2 Dangerous Substances	0	0	0	0	-
32 >	**4.19 >**	**Pollution Incidents (EA/NRW) >**	0	0	1	2	-
33	4.20	Pollution inventory substances	0	0	0	0	-
33	4.21	Pollution inventory waste transfers	0	0	0	0	-
33	4.22	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	**Hydrogeology >**	On site	0-50m	50-250m	250-500m	500-2000m
34 >	**5.1 >**	**Superficial aquifer >**	Identified (within 500m)				
36 >	**5.2 >**	**Bedrock aquifer >**	Identified (within 500m)				
38 >	**5.3 >**	**Groundwater vulnerability >**	Identified (within 50m)				
39	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
39	5.5	Groundwater vulnerability- local information	None (within 0m)				
40	5.6	Groundwater abstractions	0	0	0	0	0
41 >	**5.7 >**	**Surface water abstractions >**	0	0	0	0	20
45	5.8	Potable abstractions	0	0	0	0	0
45	5.9	Source Protection Zones	0	0	0	0	-
46	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	**Hydrology >**	On site	0-50m	50-250m	250-500m	500-2000m

47 >	6.1 >	Water Network (OS MasterMap) >	0	2	8	-	-
48 >	6.2 >	Surface water features >	0	1	5	-	-
49 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
49 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
49 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-

Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
51	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
51	7.2	Historical Flood Events	0	0	0	-	-
51	7.3	Flood Defences	0	0	0	-	-
52	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
52	7.5	Flood Storage Areas	0	0	0	-	-
53	7.6	Flood Zone 2	None (within 50m)				
53	7.7	Flood Zone 3	None (within 50m)				

Page	Section	Surface water flooding >	
54 >	8.1 >	Surface water flooding >	1 in 100 year, 0.1m - 0.3m (within 50m)

Page	Section	Groundwater flooding >	
56 >	9.1 >	Groundwater flooding >	Moderate (within 50m)

Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
57	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
58	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
58	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
58	10.4	Special Protection Areas (SPA)	0	0	0	0	0
58	10.5	National Nature Reserves (NNR)	0	0	0	0	0
59	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
59 >	10.7 >	Designated Ancient Woodland >	0	0	10	15	113
64	10.8	Biosphere Reserves	0	0	0	0	0
64	10.9	Forest Parks	0	0	0	0	0
65	10.10	Marine Conservation Zones	0	0	0	0	0
65	10.11	Green Belt	0	0	0	0	0

65	10.12	Proposed Ramsar sites	0	0	0	0	0
65	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
65	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
66	10.15	Nitrate Sensitive Areas	0	0	0	0	0
66	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
67	10.17	SSSI Impact Risk Zones	0	-	-	-	-
67	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
68	11.1	World Heritage Sites	0	0	0	-	-
68	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
68	11.3	National Parks	0	0	0	-	-
68	11.4	Listed Buildings	0	0	0	-	-
69	11.5	Conservation Areas	0	0	0	-	-
69	11.6	Scheduled Ancient Monuments	0	0	0	-	-
69	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	**Agricultural designations >**	On site	0-50m	50-250m	250-500m	500-2000m
70 >	**12.1 >**	**Agricultural Land Classification >**	Grade 4 (within 250m)				
71	12.2	Open Access Land	0	0	0	-	-
71	12.3	Tree Felling Licences	0	0	0	-	-
72	12.4	Environmental Stewardship Schemes	0	0	0	-	-
72	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
73	13.1	Priority Habitat Inventory	0	0	0	-	-
73	13.2	Habitat Networks	0	0	0	-	-
73	13.3	Open Mosaic Habitat	0	0	0	-	-
73	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
74 >	**14.1 >**	**10k Availability >**	Identified (within 500m)				
75 >	**14.2 >**	**Artificial and made ground (10k) >**	1	0	2	6	-

77 >	14.3 >	Superficial geology (10k) >	1	1	1	4	-
78	14.4	Landslip (10k)	0	0	0	0	-
79 >	14.5 >	Bedrock geology (10k) >	1	1	10	5	-
80 >	14.6 >	Bedrock faults and other linear features (10k) >	0	0	6	5	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
82 >	15.1 >	50k Availability >	Identified (within 500m)				
83 >	15.2 >	Artificial and made ground (50k) >	1	0	1	0	-
84 >	15.3 >	Artificial ground permeability (50k) >	1	0	-	-	-
85 >	15.4 >	Superficial geology (50k) >	1	0	1	2	-
86 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
86	15.6	Landslip (50k)	0	0	0	0	-
86	15.7	Landslip permeability (50k)	None (within 50m)				
87 >	15.8 >	Bedrock geology (50k) >	1	1	2	3	-
88 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
88 >	15.10 >	Bedrock faults and other linear features (50k) >	0	0	3	4	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
90 >	16.1 >	BGS Boreholes >	0	0	6	-	-
Page	Section	Natural ground subsidence >					
92 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
94 >	17.2 >	Running sands >	Very low (within 50m)				
96 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
97 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
98 >	17.5 >	Landslides >	Very low (within 50m)				
100 >	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
102 >	18.1 >	BritPits >	0	0	0	1	-
103 >	18.2 >	Surface ground workings >	0	0	1	-	-
103 >	18.3 >	Underground workings >	0	0	0	1	21
104	18.4	Underground mining extents	0	0	0	0	-

105	18.5	Historical Mineral Planning Areas	0	0	0	0	-
105	18.6	Non-coal mining	0	0	0	0	0
105	18.7	JPB mining areas	None (within 0m)				
105	18.8	The Coal Authority non-coal mining	0	0	0	0	-
106	18.9	Researched mining	0	0	0	0	-
106	18.10	Mining record office plans	0	0	0	0	-
106	18.11	BGS mine plans	0	0	0	0	-
106 >	**18.12 >**	**Coal mining >**	Identified (within 0m)				
107	18.13	Brine areas	None (within 0m)				
107	18.14	Gypsum areas	None (within 0m)				
107	18.15	Tin mining	None (within 0m)				
107	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
108	19.1	Natural cavities	0	0	0	0	-
108	19.2	Mining cavities	0	0	0	0	0
108	19.3	Reported recent incidents	0	0	0	0	-
108	19.4	Historical incidents	0	0	0	0	-
Page	Section	**Radon >**					
110 >	**20.1 >**	**Radon >**	Less than 1% (within 0m)				
Page	Section	**Soil chemistry >**	On site	0-50m	50-250m	250-500m	500-2000m
112 >	**21.1 >**	**BGS Estimated Background Soil Chemistry >**	1	2	-	-	-
112	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
112	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
113	22.1	Underground railways (London)	0	0	0	-	-
113	22.2	Underground railways (Non-London)	0	0	0	-	-
113	22.3	Railway tunnels	0	0	0	-	-
113	22.4	Historical railway and tunnel features	0	0	0	-	-
113	22.5	Royal Mail tunnels	0	0	0	-	-

114	22.6	Historical railways	0	0	0	-	-
114	22.7	Railways	0	0	0	-	-
114	22.8	Crossrail 2	0	0	0	0	-
114	22.9	HS2	0	0	0	0	-

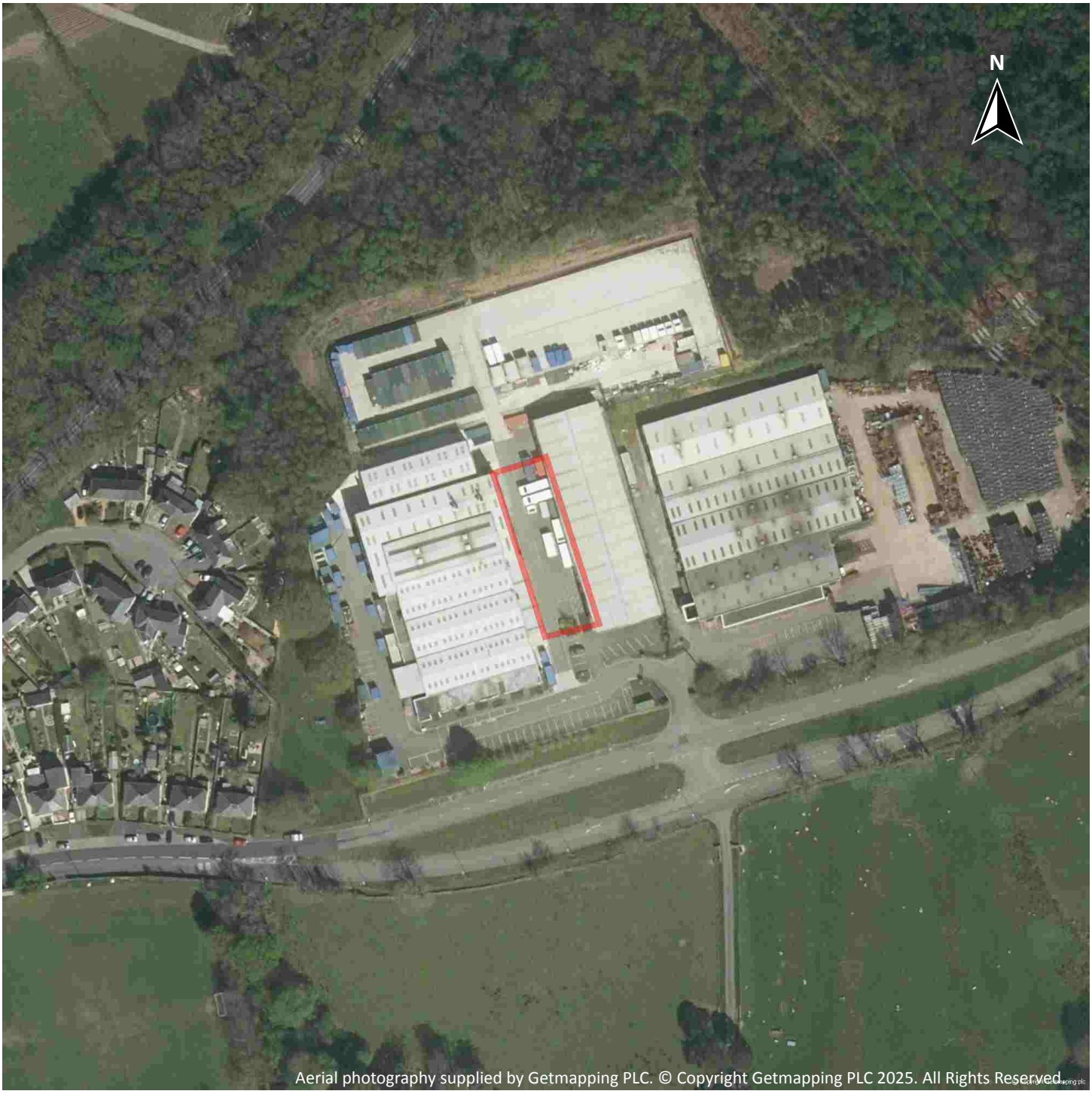
Recent aerial photograph



Capture Date: 08/04/2023

Site Area: 0.11ha

Recent site history - 2020 aerial photograph



Capture Date: 14/04/2020

Site Area: 0.11ha

Recent site history - 2014 aerial photograph



Capture Date: 23/07/2014

Site Area: 0.11ha

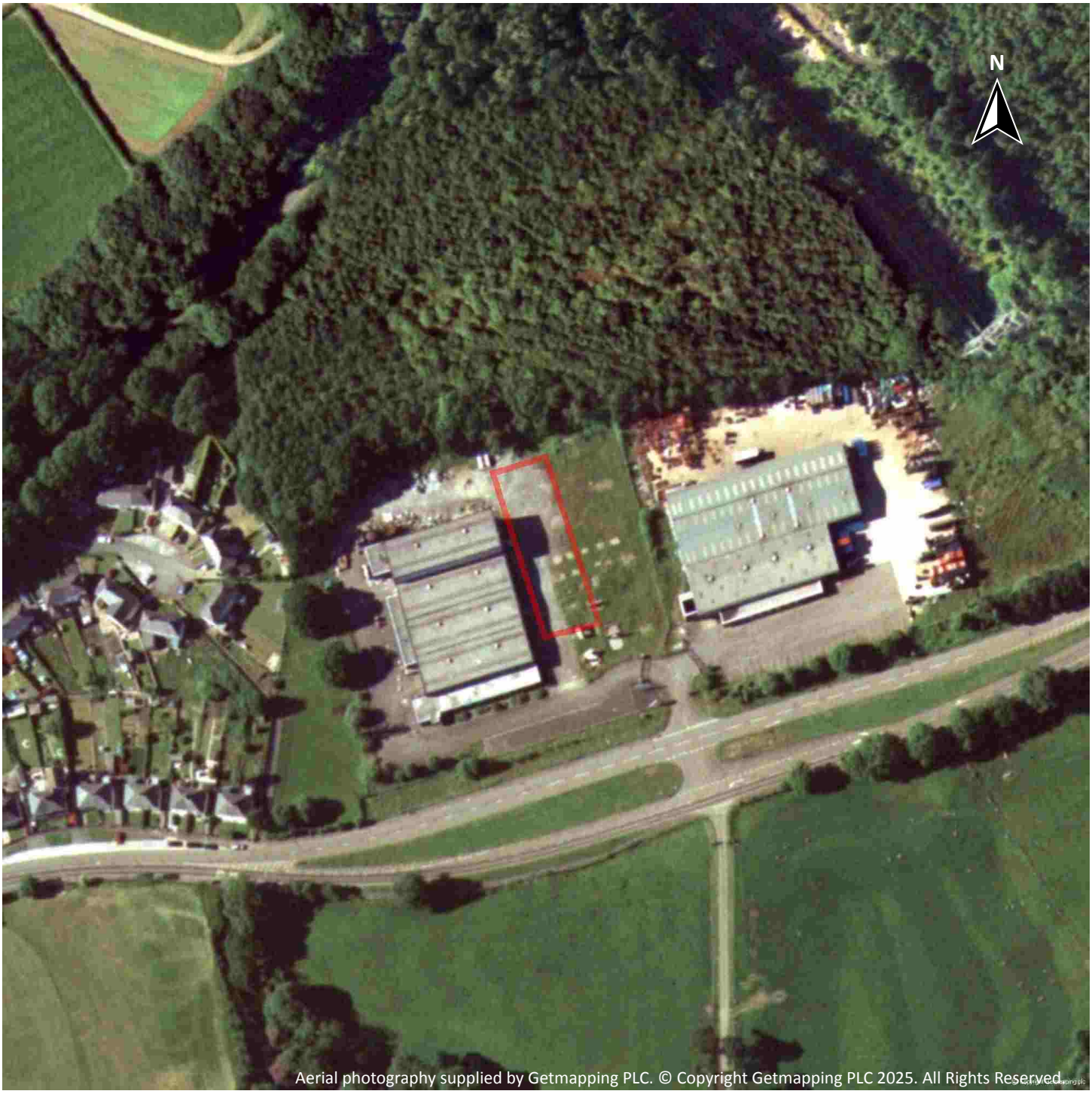
Recent site history - 2009 aerial photograph



Capture Date: 12/10/2009

Site Area: 0.11ha

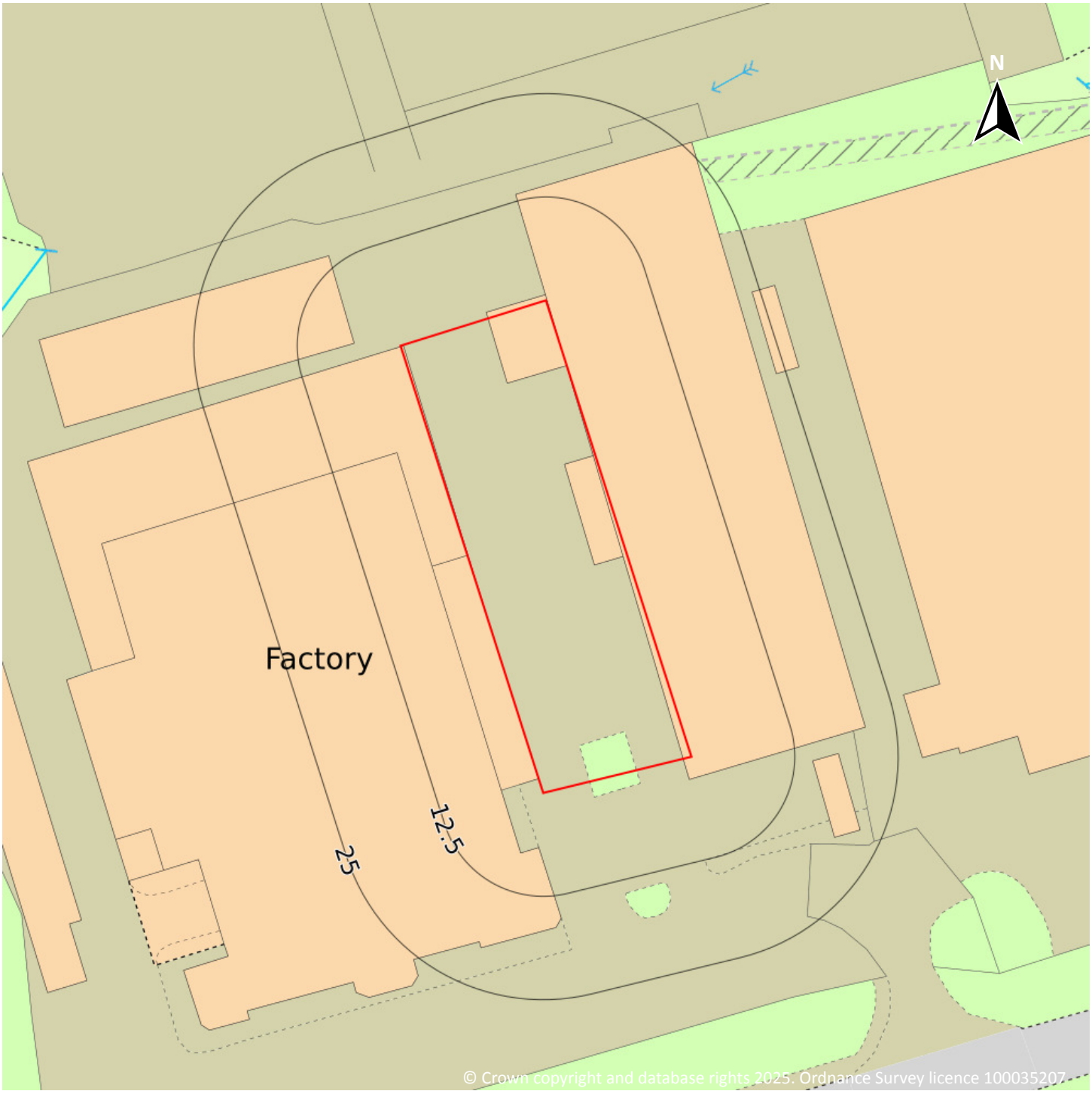
Recent site history - 2000 aerial photograph



Capture Date: 18/06/2000

Site Area: 0.11ha

OS MasterMap site plan



Site Area: 0.11ha

1 Past land use



1.1 Historical industrial land uses

Records within 500m	26

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**	**Unspecified Works**	**1973 - 1991**	**2404255**

ID	Location	Land use	Dates present	Group ID
A	250m W	Cuttings	1935	374776
A	255m W	Cuttings	1962	371491
3	309m S	Disused Colliery	1921	342252
B	313m W	Unspecified Quarry	1935	384017
B	321m W	Unspecified Quarry	1982 - 1991	386824
B	321m W	Unspecified Quarry	1962 - 1973	387846
B	337m W	Unspecified Quarry	1948	368991
C	389m E	Unspecified Ground Workings	1914 - 1921	350677
4	403m N	Cuttings	1935 - 1948	321134
D	451m S	Cuttings	1914	381596
D	451m S	Cuttings	1935	389983
C	455m E	Unspecified Heap	1914 - 1921	351013
D	457m SW	Cuttings	1877	358258
D	457m SW	Cuttings	1921	374741
D	457m SW	Cuttings	1948	382965
5	461m SW	Cuttings	1962 - 1973	368120
E	466m S	Cuttings	1914 - 1948	389051
E	473m S	Cuttings	1973	369674
E	473m S	Cuttings	1982 - 1991	375916
E	474m S	Cuttings	1962	380268
F	479m S	Hospital	1973	371998
F	479m S	Hospital	1982 - 1991	372056
F	488m S	Isolation Hospital	1948 - 1962	383985
G	491m SW	Unspecified Works	1973	354698
G	491m SW	Unspecified Works	1982	375702

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	1

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 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
2	45m W	Unspecified Tank	1978 - 1998	41766

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	1

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 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
A	255m W	Electricity Substation	1984	24248

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 un-grouped 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 un-grouped 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



2.1 Historical industrial land uses

Records within 500m	39

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 19 >**

ID	Location	Land Use	Date	Group ID
A	**On site**	**Unspecified Works**	**1991**	**2404255**
A	**On site**	**Unspecified Works**	**1982**	**2404255**
A	**On site**	**Unspecified Works**	**1973**	**2404255**

ID	Location	Land Use	Date	Group ID
C	250m W	Cuttings	1935	374776
C	255m W	Cuttings	1962	371491
1	309m S	Disused Colliery	1921	342252
D	313m W	Unspecified Quarry	1935	384017
D	321m W	Unspecified Quarry	1991	386824
D	321m W	Unspecified Quarry	1982	386824
D	321m W	Unspecified Quarry	1973	387846
D	321m W	Unspecified Quarry	1962	387846
D	337m W	Unspecified Quarry	1948	368991
E	389m E	Unspecified Ground Workings	1914	350677
F	403m N	Cuttings	1935	321134
F	403m N	Cuttings	1948	321134
E	412m E	Unspecified Ground Workings	1921	350677
G	451m S	Cuttings	1935	389983
G	451m S	Cuttings	1914	381596
E	455m E	Unspecified Heap	1914	351013
E	455m E	Unspecified Heap	1921	351013
G	457m SW	Cuttings	1921	374741
G	457m SW	Cuttings	1877	358258
G	457m SW	Cuttings	1948	382965
2	461m SW	Cuttings	1962	368120
H	466m S	Cuttings	1935	389051
H	466m S	Cuttings	1914	389051
H	473m S	Cuttings	1991	375916
H	473m S	Cuttings	1982	375916
H	473m S	Cuttings	1973	369674
H	474m S	Cuttings	1962	380268
H	477m S	Cuttings	1921	389051

ID	Location	Land Use	Date	Group ID
H	477m S	Cuttings	1948	389051
I	479m S	Hospital	1991	372056
I	479m S	Hospital	1982	372056
I	479m S	Hospital	1973	371998
I	488m S	Isolation Hospital	1948	383985
I	489m S	Isolation Hospital	1962	383985
J	491m SW	Unspecified Works	1982	375702
J	491m SW	Unspecified Works	1973	354698

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	**4**

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 19 >**

ID	Location	Land Use	Date	Group ID
B	45m W	Unspecified Tank	1993	41766
B	45m W	Unspecified Tank	1998	41766
B	45m W	Unspecified Tank	1978	41766
B	45m W	Unspecified Tank	1991	41766

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	**2**

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 19 >**

ID	Location	Land Use	Date	Group ID
C	255m W	Electricity Substation	1984	24248
C	256m W	Electricity Substation	1984	24248

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.

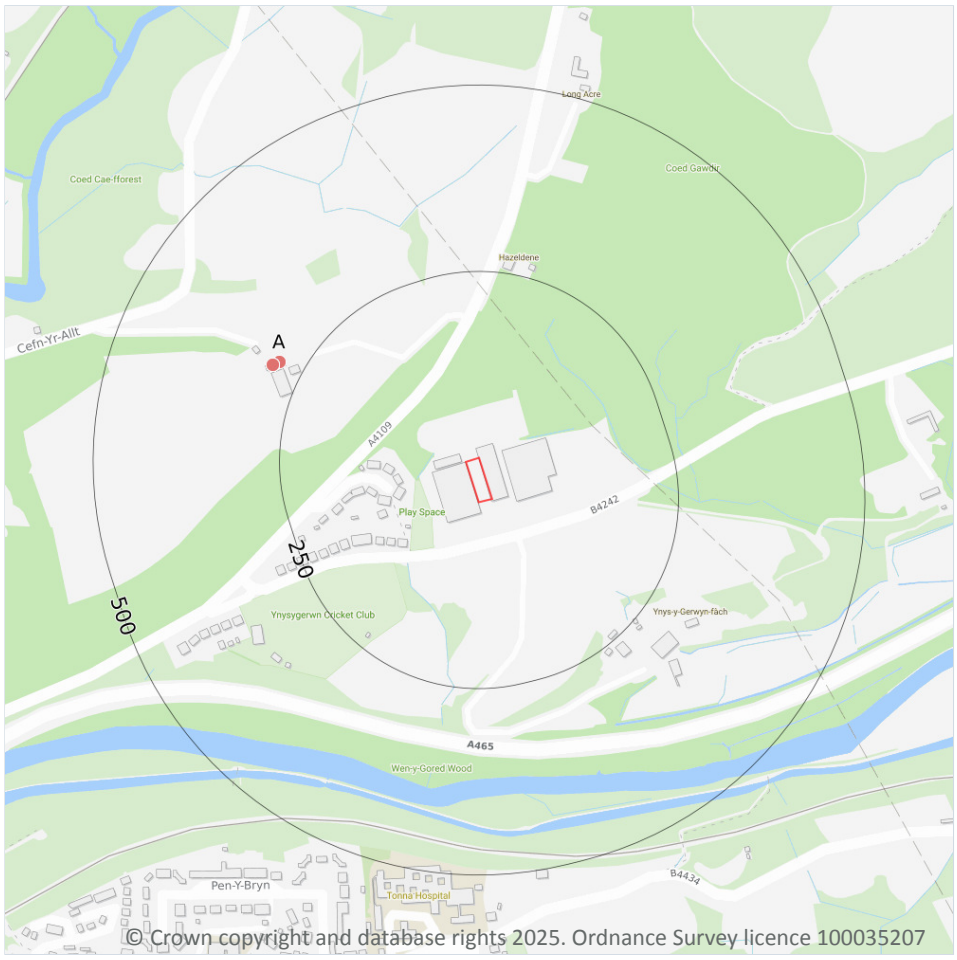
2.5 Historical garages

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



Site Outline

Search buffers in metres (m)

Waste exemptions

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	35

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.

Features are displayed on the Waste and landfill map on **page 23 >**

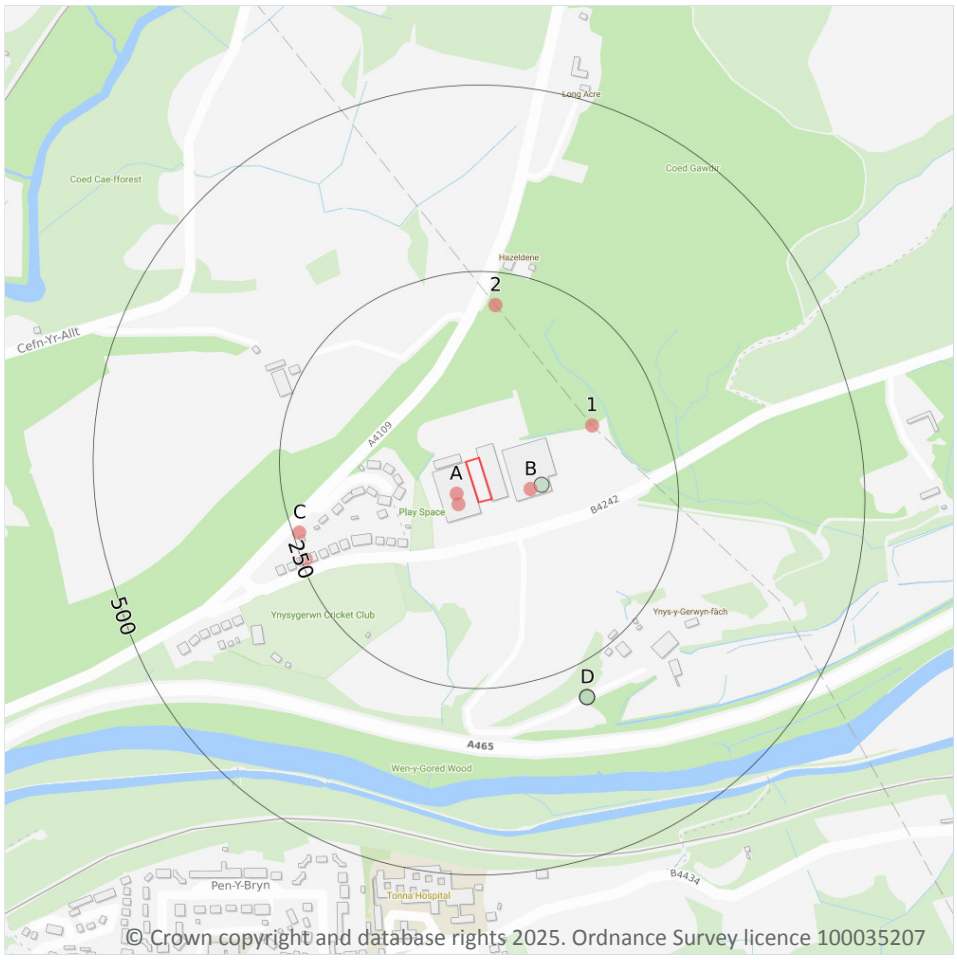
ID	Location	Site	Reference	Category	Sub-Category	Description
A	284m NW	Fforest Farm, Aberdulais, Neath, Castell-Nedd Port Talbot, Sa10 8hs	NRW-WME084212	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
A	284m NW	Fforest Farm, Aberdulais, Neath, Castell-Nedd Port Talbot, Sa10 8hs	NRW-WME084212	Using waste exemption	On a farm	Use of waste in construction
A	284m NW	Fforest Farm, Aberdulais, Neath, Castell-Nedd Port Talbot, Sa10 8hs	NRW-WME084212	Using waste exemption	On a farm	Use of baled end-of-life tyres in construction
A	284m NW	Fforest Farm, Aberdulais, Neath, Castell-Nedd Port Talbot, Sa10 8hs	NRW-WME084212	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
A	284m NW	Fforest Farm, Aberdulais, Neath, Castell-Nedd Port Talbot, Sa10 8hs	NRW-WME084212	Storing waste exemption	On a farm	Storage of waste in secure containers
A	284m NW	Fforest Farm, Aberdulais, Neath, Castell-Nedd Port Talbot, Sa10 8hs	NRW-WME084212	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
A	284m NW	Fforest Farm, Aberdulais, Neath, Castell-Nedd Port Talbot, Sa10 8hs	NRW-WME084212	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
A	284m NW	Fforest Farm, Aberdulais, Neath, Castell-Nedd Port Talbot, Sa10 8hs	NRW-WME084212	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	284m NW	Fforest Farm, Aberdulais, Neath, Castell-Nedd Port Talbot, Sa10 8hs	NRW-WME084212	Using waste exemption	On a farm	Use of waste for a specified purpose
A	284m NW	Fforest Farm, Aberdulais, Neath, Castell-Nedd Port Talbot, Sa10 8hs	NRW-WME084212	Disposing of waste exemption	On a farm	Disposal by incineration
A	284m NW	Fforest Farm, Aberdulais, Neath, Castell-Nedd Port Talbot, Sa10 8hs	NRW-WME084212	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
A	284m NW	Fforest Farm, Aberdulais, Neath, Castell-Nedd Port Talbot, Sa10 8hs	NRW-WME084212	Disposing of waste exemption	On a farm	Burning waste in the open
A	291m NW	Fforest Farm, Aberdulais, Neath, Castell-Nedd Port Talbot, Sa10 8hs	NRW-WME000043	Using waste exemption	Waste exemption - agricultural	Use of waste in construction

ID	Location	Site	Reference	Category	Sub-Category	Description
A	291m NW	Fforest Farm, Aberdulais, Neath, Castell-Nedd Port Talbot, Sa10 8hs	NRW-WME000043	Using waste exemption	Waste exemption - agricultural	Use of baled end-of-life tyres in construction
A	291m NW	Fforest Farm, Aberdulais, Neath, Castell-Nedd Port Talbot, Sa10 8hs	NRW-WME000043	Using waste exemption	Waste exemption - agricultural	Burning of waste as a fuel in a small appliance
A	291m NW	Fforest Farm Aberdulais Neath Castell-Nedd Port Talbot Sa108hs	NRW-WME026468	Disposing of waste exemption	On a farm	Disposal by incineration
A	291m NW	Fforest Farm, Aberdulais, Neath, Castell-Nedd Port Talbot, Sa10 8hs	NRW-WME000043	Using waste exemption	Waste exemption - agricultural	Use of waste for a specified purpose
A	291m NW	Fforest Farm, Aberdulais, Neath, Castell-Nedd Port Talbot, Sa10 8hs	NRW-WME000043	Treating waste exemption	Waste exemption - agricultural	Cleaning, washing, spraying or coating relevant waste
A	291m NW	Fforest Farm, Aberdulais, Neath, Castell-Nedd Port Talbot, Sa10 8hs	NRW-WME000043	Treating waste exemption	Waste exemption - agricultural	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	291m NW	Fforest Farm, Aberdulais, Neath, Castell-Nedd Port Talbot, Sa10 8hs	NRW-WME000043	Treating waste exemption	Waste exemption - agricultural	Aerobic composting and associated prior treatment
A	291m NW	Fforest Farm Aberdulais Neath Castell-Nedd Port Talbot Sa108hs	NRW-WME026468	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
A	291m NW	Fforest Farm Aberdulais Neath Castell-Nedd Port Talbot Sa108hs	NRW-WME026468	Using waste exemption	On a farm	Use of baled end-of-life tyres in construction
A	291m NW	Fforest Farm Aberdulais Neath Castell-Nedd Port Talbot Sa108hs	NRW-WME026468	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	291m NW	Fforest Farm Aberdulais Neath Castell-Nedd Port Talbot Sa108hs	NRW-WME026468	Using waste exemption	On a farm	Use of waste for a specified purpose
A	291m NW	Fforest Farm Aberdulais Neath Castell-Nedd Port Talbot Sa108hs	NRW-WME026468	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
A	291m NW	Fforest Farm Aberdulais Neath Castell-Nedd Port Talbot Sa108hs	NRW-WME026468	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste

ID	Location	Site	Reference	Category	Sub-Category	Description
A	291m NW	Fforest Farm Aberdulais Neath Castell-Nedd Port Talbot Sa108hs	NRW-WME026468	Storing waste exemption	On a farm	Storage of waste in secure containers
A	291m NW	Fforest Farm Aberdulais Neath Castell-Nedd Port Talbot Sa108hs	NRW-WME026468	Using waste exemption	On a farm	Use of waste in construction
A	291m NW	Fforest Farm Aberdulais Neath Castell-Nedd Port Talbot Sa108hs	NRW-WME026468	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
A	291m NW	Fforest Farm Aberdulais Neath Castell-Nedd Port Talbot Sa108hs	NRW-WME026468	Disposing of waste exemption	On a farm	Burning waste in the open
A	291m NW	Fforest Farm Aberdulais Neath Castell-Nedd Port Talbot Sa108hs	NRW-WME026468	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
A	291m NW	Fforest Farm, Aberdulais, Neath, Castell-Nedd Port Talbot, Sa10 8hs	NRW-WME000043	Using waste exemption	Waste exemption - agricultural	Spreading waste on agricultural land to confer benefit
A	291m NW	Fforest Farm, Aberdulais, Neath, Castell-Nedd Port Talbot, Sa10 8hs	NRW-WME000043	Treating waste exemption	Waste exemption - agricultural	Screening and blending of waste
A	291m NW	Fforest Farm, Aberdulais, Neath, Castell-Nedd Port Talbot, Sa10 8hs	NRW-WME000043	Disposing of waste exemption	Waste exemption - agricultural	Burning waste in the open
A	291m NW	Fforest Farm, Aberdulais, Neath, Castell-Nedd Port Talbot, Sa10 8hs	NRW-WME000043	Disposing of waste exemption	Waste exemption - agricultural	Deposit of waste from dredging of inland waters

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

Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m	7

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 28 >**

ID	Location	Company	Address	Activity	Category
A	25m W	Works	West Glamorgan, SA10	Unspecified Works Or Factories	Industrial Features
A	26m W	Celtic Trailers Ltd	Unit 1, Ynysygerwn Avenue, Aberdulais, West Glamorgan, SA10 8HH	Container and Storage	Transport, Storage and Delivery
B	53m E	Works	West Glamorgan, SA10	Unspecified Works Or Factories	Industrial Features

ID	Location	Company	Address	Activity	Category
1	158m E	Pylon	West Glamorgan, SA10	Electrical Features	Infrastructure and Facilities
2	206m N	Pylon	West Glamorgan, SA10	Electrical Features	Infrastructure and Facilities
C	241m W	Electricity Sub Station	West Glamorgan, SA10	Electrical Features	Infrastructure and Facilities
C	244m W	T R T Welding Services	2, Ynysygerwn Avenue, Aberdulais, West Glamorgan, SA10 8HH	Cutting, Drilling and Welding Services	Construction Services

This data is sourced from Ordnance Survey.

4.2 National Geographic Database (NGD) - Current or recent tanks

Records within 250m	0

Current or recent tanks identified from the Ordnance Survey NGD.

This data is sourced from Ordnance Survey.

4.3 Current or recent petrol stations

Records within 500m	0

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.4 Electricity cables

Records within 500m	0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.5 Gas pipelines

Records within 500m	0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.6 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.

4.7 Control of Major Accident Hazards (COMAH)

Records within 500m	0

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.

This data is sourced from the Health and Safety Executive.

4.8 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.

4.9 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.

4.10 Historical licensed industrial activities (IPC)

Records within 500m	0

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.

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

4.11 Licensed industrial activities (Part A(1))

Records within 500m	0

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

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

4.12 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.

4.13 Radioactive Substance Authorisations

Records within 500m	0

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

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

4.14 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.

4.15 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.

4.16 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.

4.17 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.

4.18 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.

4.19 Pollution Incidents (EA/NRW)

Records within 500m	3

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 28 >**

ID	Location	Details	
B	70m E	Incident Date: 24/02/2014 Incident Identification: 1211644 Pollutant: Organic Chemicals/Products Pollutant Description: Paints and Varnishes	Water Impact: - Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
D	295m SE	Incident Date: 18/07/2016 Incident Identification: 1603960 Pollutant: Specific Waste Material Pollutant Description: Household Waste	Water Impact: Other Land Impact: Category 3 (Minor) Air Impact: Other

ID	Location	Details	
D	295m SE	Incident Date: 18/07/2016 Incident Identification: 1603960 Pollutant: - Pollutant Description: -	Water Impact: Other Land Impact: Category 3 (Minor) Air Impact: Other

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

4.20 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.

4.21 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.

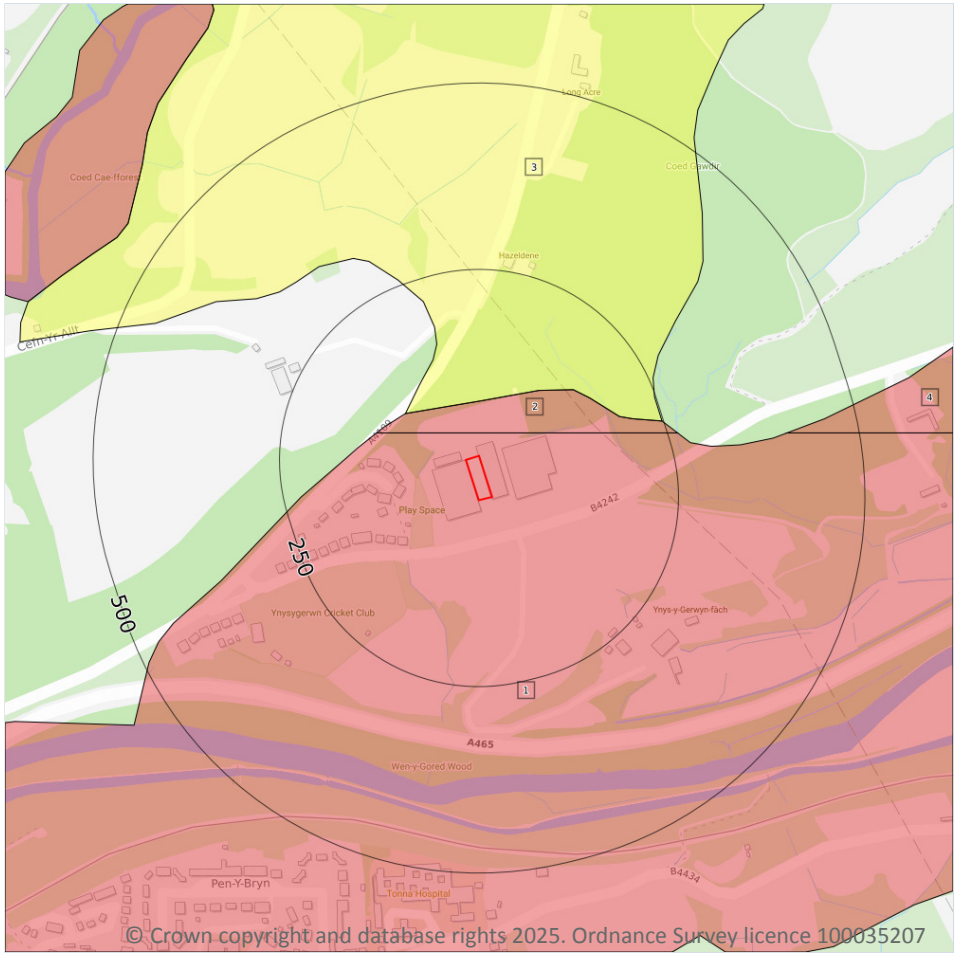
4.22 Pollution inventory radioactive waste

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



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5.1 Superficial aquifer

Records within 500m	4

Aquifer status of groundwater held within superficial geology.

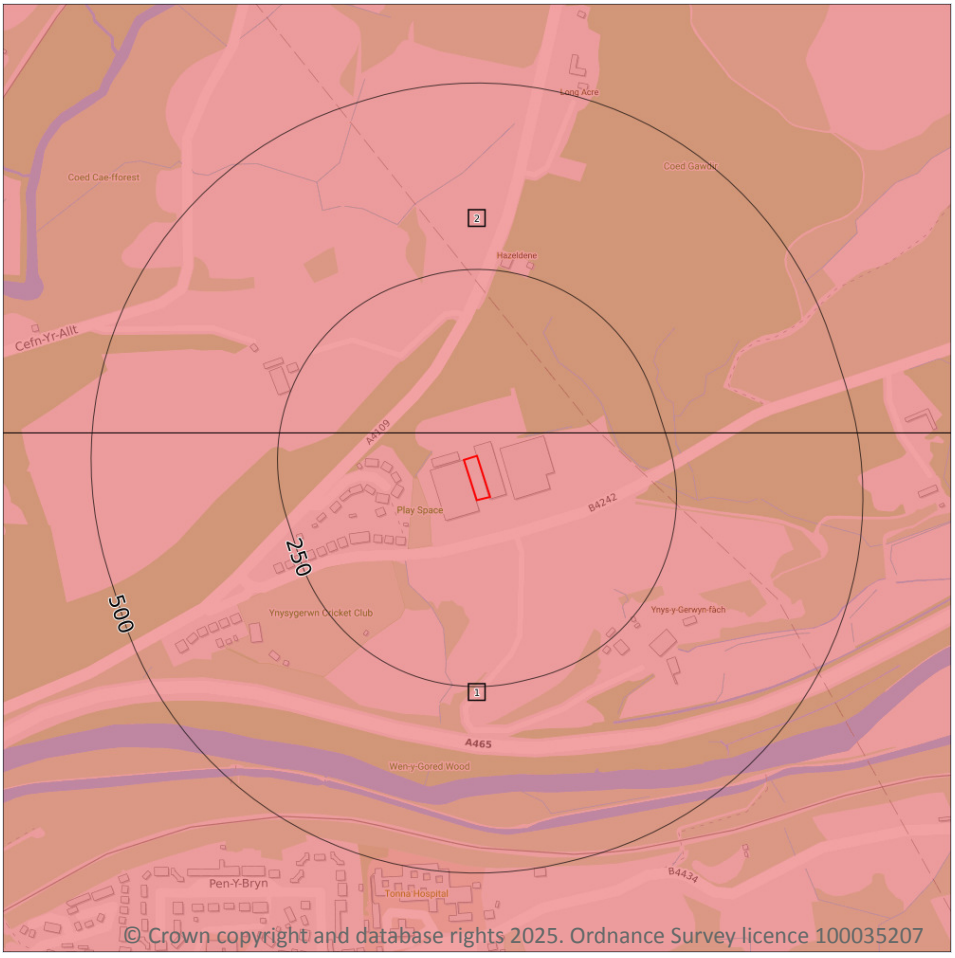
Features are displayed on the Hydrogeology map on **page 34 >**

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**
2	31m N	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

ID	Location	Designation	Description
3	72m N	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
4	405m E	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

5.2 Bedrock aquifer

Records within 500m	2

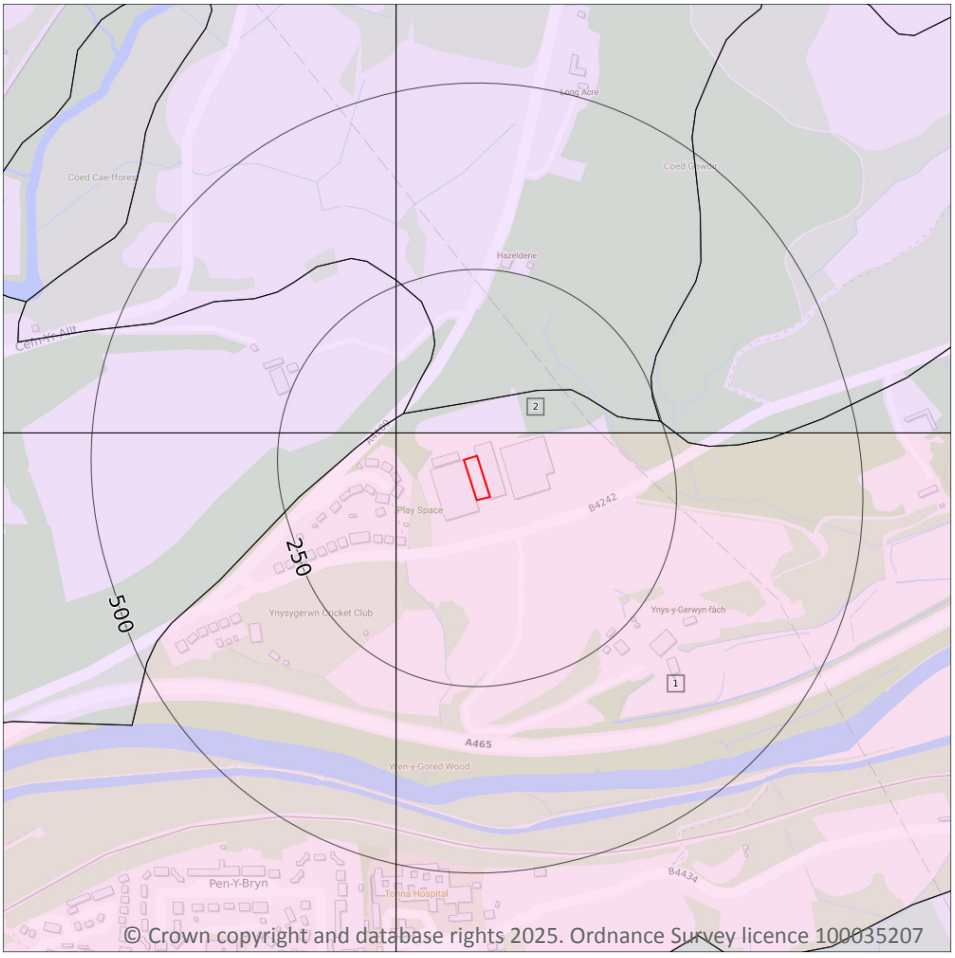
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 36 >**

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**
2	31m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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

Groundwater vulnerability



Site Outline

Search buffers in metres (m)

Superficial vulnerability
- Principal superficial aquifer, high vulnerability
- Secondary superficial aquifer, high vulnerability
- Principal superficial aquifer, medium vulnerability
- Secondary superficial aquifer, medium vulnerability
- Principal superficial aquifer, low vulnerability
- Secondary superficial aquifer, low vulnerability

Bedrock vulnerability
- Principal bedrock aquifer, high vulnerability
- Secondary bedrock aquifer, high vulnerability
- Principal bedrock aquifer, medium vulnerability
- Secondary bedrock aquifer, medium vulnerability
- Principal bedrock aquifer, low vulnerability
- Secondary bedrock aquifer, low vulnerability

Other information
- Unproductive aquifer
- Soluble rock risk
- Local information

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 38 >**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	**On site**	**Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer**	**Leaching class: High Infiltration value: 40-70% Dilution value: >550mm/year**	**Vulnerability: Medium Aquifer type: Secondary Thickness: >10m Patchiness value: <90% Recharge potential: High**	**Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures**
2	31m N	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: >550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Medium 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**

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.

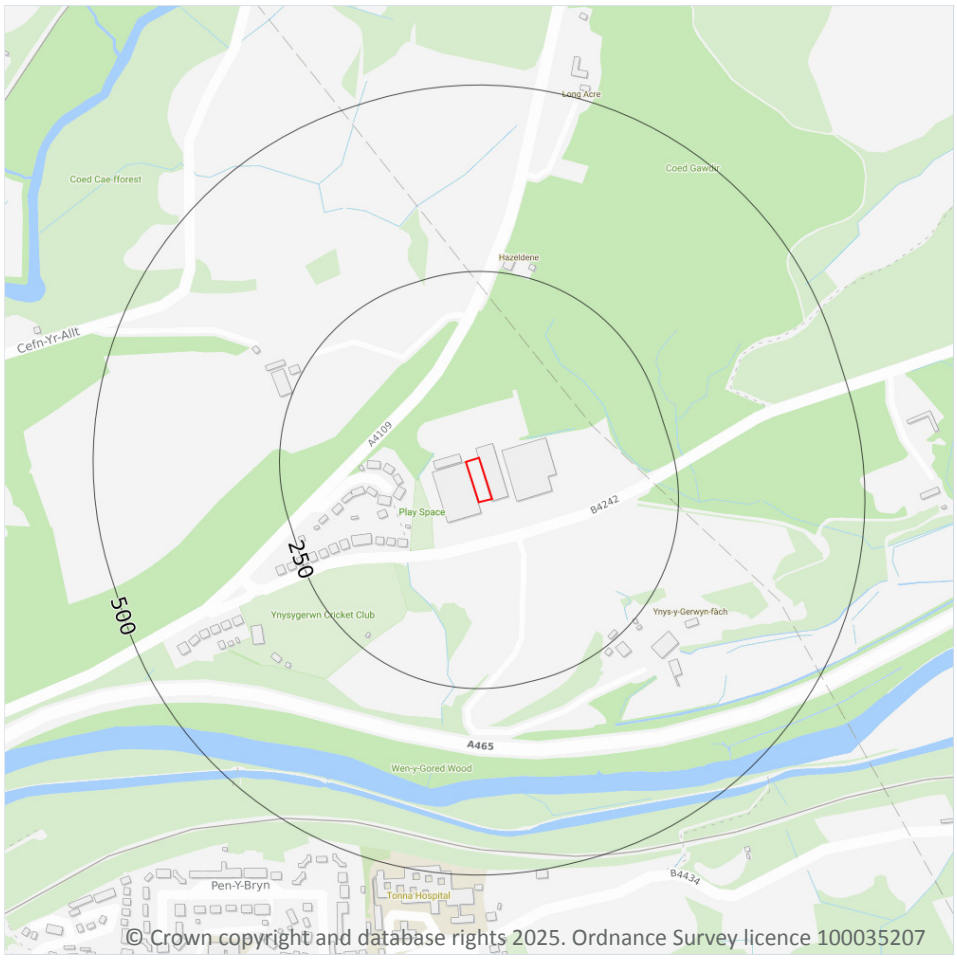
5.5 Groundwater vulnerability- local information

Records on site	**0**

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
- 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	0

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.

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

5.7 Surface water abstractions

Records within 2000m	20

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 40 >**

ID	Location	Details	
-	824m N	Status: Active Licence No: WA/058/0074/008 Details: Hydro-electric Power Generation - Very Low Direct Source: - Point: - Data Type: Point Name: - Easting: 277815 Northing: 200740	Annual Volume (m^3): 59918400 Max Daily Volume (m^3): 164160 Original Application No: - Original Start Date: 06/03/2015 Expiry Date: 31/03/2029 Issue No: - Version Start Date: - Version End Date: -
-	824m N	Status: Active Licence No: WA/058/0074/009 Details: Hydro-electric Power Generation - Very Low Direct Source: - Point: - Data Type: Point Name: - Easting: 277815 Northing: 200740	Annual Volume (m^3): 0 Max Daily Volume (m^3): - Original Application No: - Original Start Date: 06/03/2015 Expiry Date: - Issue No: - Version Start Date: - Version End Date: -
-	824m N	Status: Historical Licence No: WA/058/0074/008 Details: Hydroelectric Power Generation Direct Source: EAW Surface Water Point: TAN Y RHIW FARM Data Type: Point Name: Jones and Jones Renewables Ltd Easting: 277815 Northing: 200740	Annual Volume (m^3): 59918400 Max Daily Volume (m^3): 164160 Original Application No: - Original Start Date: 05/11/2013 Expiry Date: 31/03/2029 Issue No: 2 Version Start Date: 06/03/2015 Version End Date: -
-	824m N	Status: Historical Licence No: WA/058/0074/008 Details: Hydro-electric Power Generation - Very Low Direct Source: - Point: - Data Type: Point Name: - Easting: 277815 Northing: 200740	Annual Volume (m^3): 59918400 Max Daily Volume (m^3): - Original Application No: - Original Start Date: 06/03/2015 Expiry Date: 31/03/2029 Issue No: - Version Start Date: - Version End Date: -

ID	Location	Details	
-	989m W	Status: Historical Licence No: WA/058/0073/001 Details: Hydroelectric Power Generation Direct Source: EAW Surface Water Point: AFON DULAIS AT ABERDULAIS FALLS Data Type: Point Name: The National Trust Easting: 277159 Northing: 199630	Annual Volume (m^3): 58000000 Max Daily Volume (m^3): 300000 Original Application No: - Original Start Date: 01/06/2011 Expiry Date: 31/03/2017 Issue No: 1 Version Start Date: 01/06/2011 Version End Date: -
-	1005m SW	Status: Historical Licence No: 21/58/74/0001 Details: Raw Water Supply Direct Source: EAW Surface Water Point: RIVER NEATH TO TENNANT CANAL AT ABERDULAIS Data Type: Point Name: Port Tennant Co Ltd Easting: 277280 Northing: 199340	Annual Volume (m^3): 7300000 Max Daily Volume (m^3): 30000 Original Application No: - Original Start Date: 28/03/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2006 Version End Date: -
-	1017m W	Status: Active Licence No: WA/058/0073/001 Details: Hydro-electric Power Generation - Very Low Direct Source: Abderdulais Falls Point: - Data Type: Point Name: - Easting: 277152 Northing: 199564	Annual Volume (m^3): 58000000 Max Daily Volume (m^3): 319680 Original Application No: - Original Start Date: 11/01/2018 Expiry Date: 31/03/2029 Issue No: - Version Start Date: - Version End Date: -
-	1017m W	Status: Historical Licence No: WA/058/0073/001 Details: Hydroelectric Power Generation Direct Source: EAW Surface Water Point: AFON DULAIS Data Type: Point Name: The National Trust Easting: 277152 Northing: 199564	Annual Volume (m^3): 58000000 Max Daily Volume (m^3): 319680 Original Application No: - Original Start Date: 01/06/2011 Expiry Date: 31/03/2017 Issue No: 2 Version Start Date: 28/03/2014 Version End Date: -
-	1024m W	Status: Historical Licence No: 21/58/73/0014 Details: Hydroelectric Power Generation Direct Source: EAW Surface Water Point: AFON DULAIS AT ABERDULAIS FALLS Data Type: Point Name: National Trust Easting: 277150 Northing: 199550	Annual Volume (m^3): 45000000 Max Daily Volume (m^3): 300000 Original Application No: - Original Start Date: 27/11/1991 Expiry Date: 31/05/2011 Issue No: 100 Version Start Date: 01/04/2004 Version End Date: -

ID	Location	Details	
-	1053m SW	Status: Historical Licence No: 21/58/74/0001 Details: Raw Water Supply - Medium Direct Source: River Neath Point: - Data Type: Point Name: - Easting: 277239 Northing: 199316	Annual Volume (m^3): 7300000 Max Daily Volume (m^3): 60000 Original Application No: - Original Start Date: Sep 24 2014 12:00AM Expiry Date: - Issue No: - Version Start Date: - Version End Date: -
-	1053m SW	Status: Historical Licence No: 21/58/74/0001 Details: Raw Water Supply Direct Source: EAW Surface Water Point: RIVER NEATH TO TENNANT CANAL AT ABERDULAIS Data Type: Point Name: Port Tennant Co Ltd Easting: 277239 Northing: 199316	Annual Volume (m^3): 7300000 Max Daily Volume (m^3): 30000 Original Application No: - Original Start Date: 28/03/1966 Expiry Date: - Issue No: 103 Version Start Date: 24/09/2014 Version End Date: -
-	1569m SW	Status: Historical Licence No: 21/58/72/0035 Details: Transfer Between Sources (Post Water Act 2003) Direct Source: EAW Surface Water Point: RIVER NEATH AT TONNA LOCK Data Type: Point Name: Neath Canal Navigation Easting: 276970 Northing: 198830	Annual Volume (m^3): 15000 Max Daily Volume (m^3): 18170 Original Application No: - Original Start Date: 26/03/2008 Expiry Date: 31/03/2017 Issue No: 2 Version Start Date: 06/02/2009 Version End Date: -
-	1627m SW	Status: Historical Licence No: 21/58/72/0007 Details: General use relating to Secondary Category (High Loss) Direct Source: EAW Surface Water Point: INLAND WATER RIVER NEATH IN THE COMMUNITY OF TONNA Data Type: Point Name: Neath Canal Navigation Easting: 276900 Northing: 198820	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 11/09/2002 Expiry Date: - Issue No: 101 Version Start Date: 11/09/2002 Version End Date: 31/03/2005

ID	Location	Details	
-	1627m SW	Status: Historical Licence No: 21/58/72/0007 Details: General use relating to Secondary Category (Medium Loss) Direct Source: EAW Surface Water Point: INLAND WATER RIVER NEATH IN THE COMMUNITY OF TONNA Data Type: Point Name: Neath Canal Navigation Easting: 276900 Northing: 198820	Annual Volume (m^3): 1659323 Max Daily Volume (m^3): 4546 Original Application No: - Original Start Date: 11/09/2002 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2005 Version End Date: -
-	1663m NW	Status: Active Licence No: WA/058/0074/004 Details: Hydro-electric Power Generation - Very Low Direct Source: - Point: - Data Type: Point Name: - Easting: 277155 Northing: 201338	Annual Volume (m^3): 0 Max Daily Volume (m^3): - Original Application No: - Original Start Date: 22/06/2011 Expiry Date: - Issue No: - Version Start Date: - Version End Date: -
-	1663m NW	Status: Active Licence No: WA/058/0074/002 Details: Hydro-electric Power Generation - Very Low Direct Source: - Point: - Data Type: Point Name: - Easting: 277155 Northing: 201338	Annual Volume (m^3): 1491401 Max Daily Volume (m^3): 7344 Original Application No: - Original Start Date: 22/06/2011 Expiry Date: 31/03/2029 Issue No: - Version Start Date: - Version End Date: -
-	1663m NW	Status: Historical Licence No: WA/058/0074/002 Details: Hydroelectric Power Generation Direct Source: EAW Surface Water Point: NANT Y RHOS Data Type: Point Name: Tan y Rhiw Hydroelectric Limited Easting: 277155 Northing: 201338	Annual Volume (m^3): 1491401 Max Daily Volume (m^3): 7344 Original Application No: - Original Start Date: 22/06/2011 Expiry Date: 31/03/2029 Issue No: 1 Version Start Date: 22/06/2011 Version End Date: -
-	1841m W	Status: Historical Licence No: 21/58/74/0018 Details: Spray Irrigation - Direct Direct Source: EAW Surface Water Point: SPRING 2 Data Type: Point Name: Neath Golf Club Easting: 276320 Northing: 199460	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 01/04/2000 Version End Date: -

ID	Location	Details	
-	1956m W	Status: Active Licence No: 21/58/74/0025 Details: Unknown (Impounding) - Direct Source: - Point: - Data Type: Point Name: - Easting: 276210 Northing: 200500	Annual Volume (m^3): 0 Max Daily Volume (m^3): - Original Application No: - Original Start Date: 25/07/1996 Expiry Date: - Issue No: - Version Start Date: - Version End Date: -
-	1956m W	Status: Historical Licence No: 21/58/74/0026 Details: Spray Irrigation - Storage Direct Source: EAW Surface Water Point: LAND DRAINS IN THE CATCHMENT OF THE RIVER NEATH Data Type: Point Name: Neath Golf Club Easting: 276210 Northing: 200500	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 25/07/1996 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.

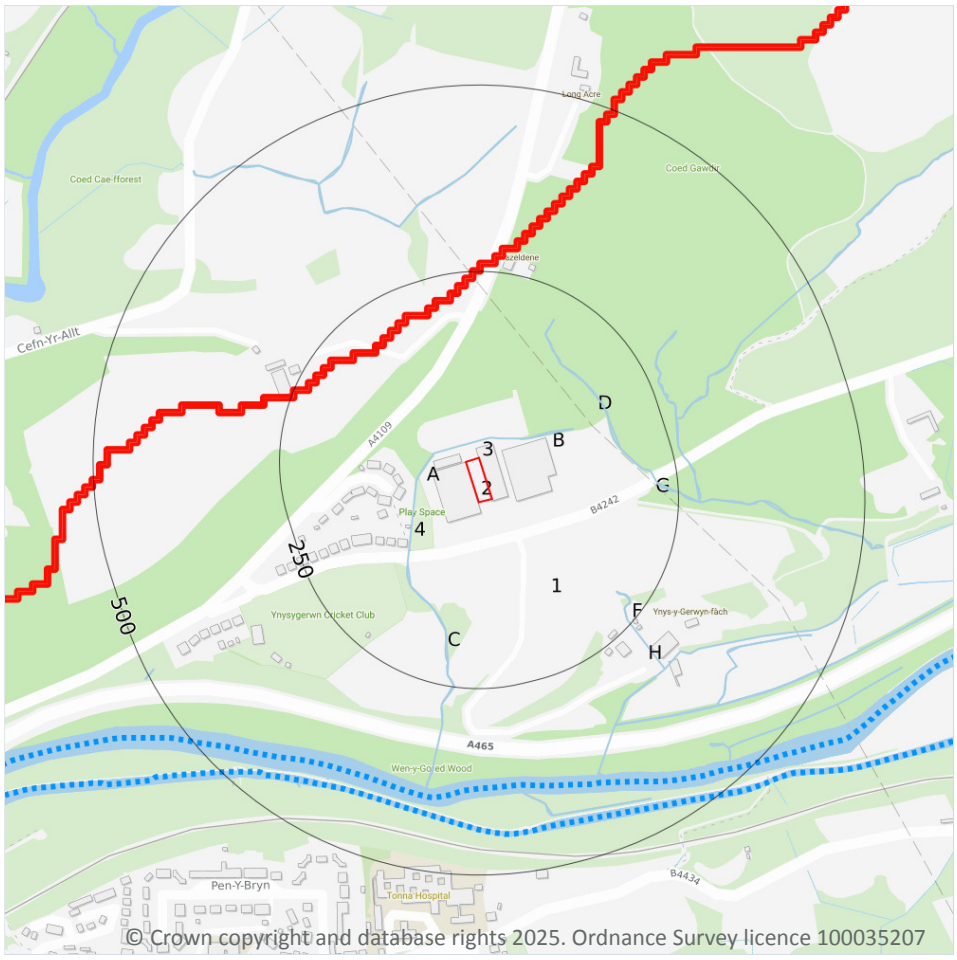
5.10 Source Protection Zones (confined aquifer)

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	10

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 47 >**

ID	Location	Type of water feature	Ground level	Permanence	Name
3	22m N	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
A	44m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
4	70m W	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
B	70m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	126m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	167m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	208m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	216m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
G	222m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
H	243m SE	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	**6**

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 47 >**

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 47 >**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	**On site**	**River WB catchment**	**Neath - conf with Nedd Fechan and Mellte to TL**	**GB110058032430**	**Neath**	**Tawe to Cadoxton**

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

6.4 WFD Surface water bodies

Records identified	1

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.

Features are displayed on the Hydrology map on **page 47 >**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
6	383m S	River	Neath - conf with Nedd Fechan and Mellte to TL	GB110058032430	Good	Good	Good	2016

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 47 >**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
2	**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 100 year, 0.1m - 0.3m**
Highest risk within 50m	**1 in 100 year, 0.1m - 0.3m**

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 54 >**

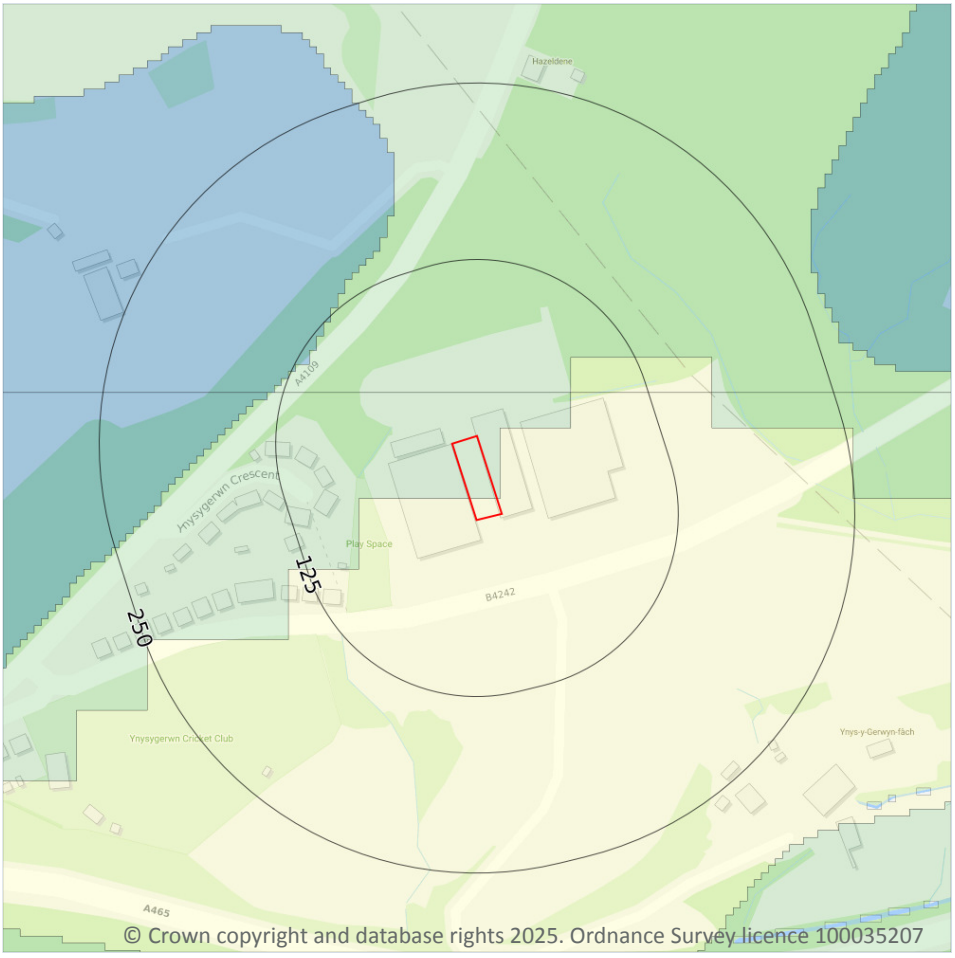
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

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 0.1m and 0.3m
1 in 250 year	Between 0.1m and 0.3m
1 in 100 year	Between 0.1m and 0.3m
1 in 30 year	Negligible

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



Site Outline

Search buffers in metres (m)

High

Moderate - High

Moderate

Low

Negligible

9.1 Groundwater flooding

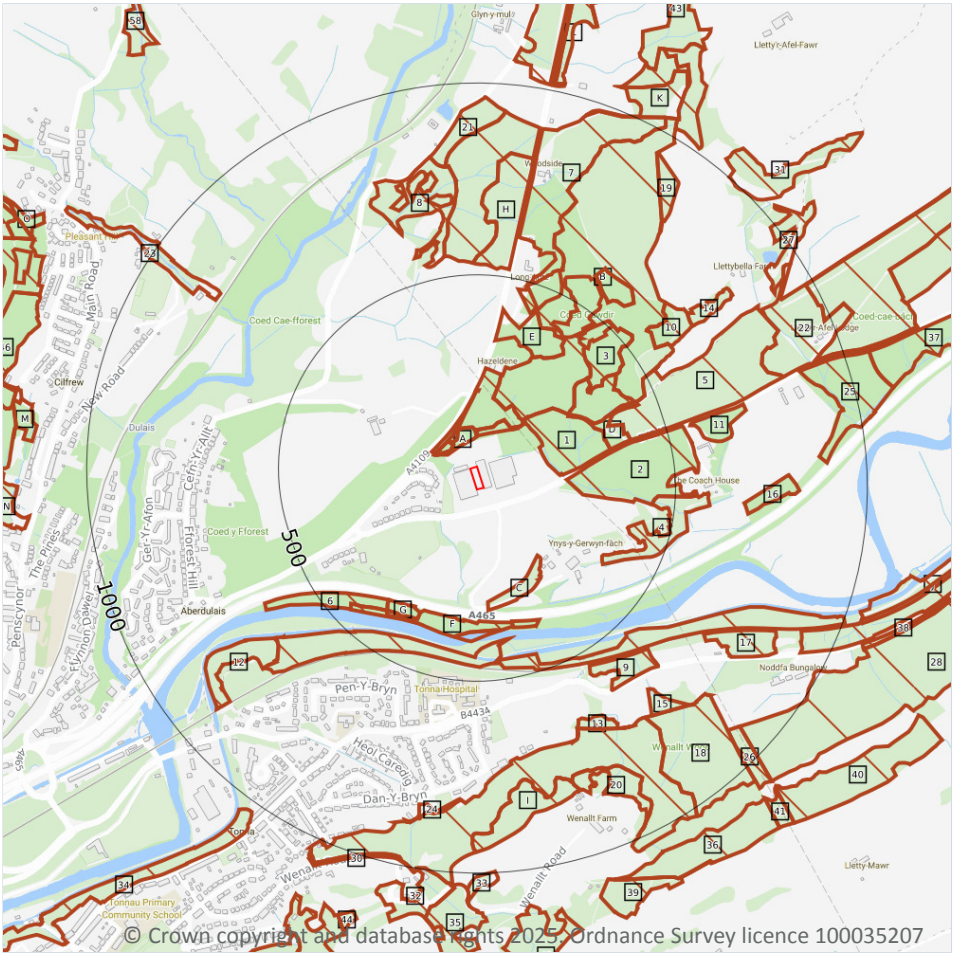
Highest risk on site	**Moderate**
Highest risk within 50m	**Moderate**

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 56 >**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



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10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	0

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.

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	138

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 57 >**

ID	Location	Name	Woodland Type
A	64m NW	Unknown	Ancient Semi Natural Woodland
A	70m NW	Unknown	Restored Ancient Woodland Site
A	79m N	Unknown	Plantation on Ancient Woodland Site
A	92m NW	Unknown	Restored Ancient Woodland Site
A	133m NE	Unknown	Ancient Semi Natural Woodland
A	162m NE	Unknown	Restored Ancient Woodland Site
B	166m NE	Unknown	Plantation on Ancient Woodland Site
1	169m NE	Unknown	Plantation on Ancient Woodland Site
2	217m E	Unknown	Restored Ancient Woodland Site
C	225m SE	Unknown	Restored Ancient Woodland Site
D	271m NE	Unknown	Restored Ancient Woodland Site
D	275m NE	Unknown	Restored Ancient Woodland Site
E	318m NE	Unknown	Ancient Semi Natural Woodland
F	339m S	Unknown	Restored Ancient Woodland Site
G	345m SW	Unknown	Plantation on Ancient Woodland Site
3	348m NE	Unknown	Ancient Semi Natural Woodland

ID	Location	Name	Woodland Type
C	355m S	Unknown	Ancient Woodland Site of Unknown Category
4	356m SE	Unknown	Ancient Semi Natural Woodland
5	358m E	Unknown	Plantation on Ancient Woodland Site
6	368m SW	Unknown	Plantation on Ancient Woodland Site
F	369m S	Unknown	Restored Ancient Woodland Site
G	382m SW	Unknown	Ancient Semi Natural Woodland
C	398m S	Unknown	Restored Ancient Woodland Site
E	423m N	Unknown	Ancient Semi Natural Woodland
7	491m N	Unknown	Ancient Semi Natural Woodland
H	518m N	Unknown	Ancient Semi Natural Woodland
H	531m N	Unknown	Plantation on Ancient Woodland Site
8	534m N	Unknown	Ancient Semi Natural Woodland
9	540m SE	Unknown	Restored Ancient Woodland Site
B	547m NE	Unknown	Ancient Semi Natural Woodland
10	559m NE	Unknown	Restored Ancient Woodland Site
11	562m E	Unknown	Ancient Semi Natural Woodland
12	650m SW	Unknown	Ancient Semi Natural Woodland
13	653m SE	Unknown	Restored Ancient Woodland Site
14	671m NE	Unknown	Ancient Semi Natural Woodland
I	673m S	Unknown	Restored Ancient Woodland Site
15	678m SE	Unknown	Plantation on Ancient Woodland Site
16	680m E	Unknown	Restored Ancient Woodland Site
17	689m SE	Unknown	Restored Ancient Woodland Site
18	732m SE	Unknown	Ancient Semi Natural Woodland
I	766m S	Unknown	Plantation on Ancient Woodland Site
19	775m NE	Unknown	Plantation on Ancient Woodland Site
20	784m S	Unknown	Restored Ancient Woodland Site
21	786m N	Unknown	Ancient Semi Natural Woodland

ID	Location	Name	Woodland Type
22	789m E	Unknown	Restored Ancient Woodland Site
23	795m NW	Unknown	Ancient Semi Natural Woodland
24	808m S	Unknown	Restored Ancient Woodland Site
25	877m E	Unknown	Plantation on Ancient Woodland Site
26	896m SE	Unknown	Ancient Semi Natural Woodland
27	896m NE	Unknown	Ancient Semi Natural Woodland
J	908m SE	Unknown	Restored Ancient Woodland Site
28	912m SE	Unknown	Restored Ancient Woodland Site
29	922m E	Unknown	Restored Ancient Woodland Site
K	959m N	Unknown	Restored Ancient Woodland Site
30	977m S	Unknown	Restored Ancient Woodland Site
31	994m NE	Unknown	Ancient Semi Natural Woodland
32	996m S	Unknown	Restored Ancient Woodland Site
33	997m S	Unknown	Restored Ancient Woodland Site
K	1011m NE	Unknown	Restored Ancient Woodland Site
L	1013m N	Unknown	Restored Ancient Woodland Site
L	1014m N	Unknown	Restored Ancient Woodland Site
L	1019m N	Unknown	Restored Ancient Woodland Site
34	1025m SW	Unknown	Ancient Semi Natural Woodland
35	1030m S	Unknown	Restored Ancient Woodland Site
J	1034m E	Unknown	Ancient Semi Natural Woodland
36	1056m SE	Unknown	Ancient Semi Natural Woodland
K	1058m N	Unknown	Ancient Semi Natural Woodland
37	1065m E	Unknown	Restored Ancient Woodland Site
38	1068m E	Unknown	Restored Ancient Woodland Site
39	1071m S	Unknown	Restored Ancient Woodland Site
40	1088m SE	Unknown	Restored Ancient Woodland Site
41	1091m SE	Unknown	Ancient Semi Natural Woodland

ID	Location	Name	Woodland Type
42	1093m S	Unknown	Plantation on Ancient Woodland Site
43	1132m NE	Unknown	Restored Ancient Woodland Site
M	1135m W	Unknown	Plantation on Ancient Woodland Site
44	1145m S	Unknown	Ancient Semi Natural Woodland
45	1151m S	Unknown	Restored Ancient Woodland Site
N	1156m W	Unknown	Ancient Woodland Site of Unknown Category
M	1183m W	Unknown	Ancient Semi Natural Woodland
46	1184m W	Unknown	Restored Ancient Woodland Site
47	1189m W	Unknown	Plantation on Ancient Woodland Site
48	1191m E	Unknown	Plantation on Ancient Woodland Site
N	1217m W	Unknown	Plantation on Ancient Woodland Site
-	1228m S	Unknown	Plantation on Ancient Woodland Site
-	1231m W	Unknown	Ancient Woodland Site of Unknown Category
-	1237m W	Unknown	Plantation on Ancient Woodland Site
-	1244m S	Unknown	Plantation on Ancient Woodland Site
51	1252m SW	Unknown	Restored Ancient Woodland Site
-	1252m S	Unknown	Restored Ancient Woodland Site
-	1261m W	Unknown	Plantation on Ancient Woodland Site
O	1282m NW	Unknown	Ancient Semi Natural Woodland
-	1284m S	Unknown	Ancient Semi Natural Woodland
-	1287m W	Unknown	Plantation on Ancient Woodland Site
O	1287m NW	Unknown	Ancient Semi Natural Woodland
-	1296m E	Unknown	Restored Ancient Woodland Site
-	1304m S	Unknown	Restored Ancient Woodland Site
55	1309m W	Unknown	Ancient Semi Natural Woodland
-	1349m S	Unknown	Plantation on Ancient Woodland Site
O	1357m NW	Unknown	Ancient Semi Natural Woodland
-	1361m W	Unknown	Restored Ancient Woodland Site

ID	Location	Name	Woodland Type
58	1376m NW	Unknown	Ancient Semi Natural Woodland
-	1387m W	Unknown	Ancient Woodland Site of Unknown Category
-	1418m W	Unknown	Restored Ancient Woodland Site
-	1426m W	Unknown	Restored Ancient Woodland Site
-	1436m W	Unknown	Ancient Woodland Site of Unknown Category
60	1449m NW	Unknown	Ancient Semi Natural Woodland
-	1449m N	Unknown	Ancient Semi Natural Woodland
-	1455m E	Unknown	Plantation on Ancient Woodland Site
-	1485m S	Unknown	Ancient Semi Natural Woodland
-	1490m NW	Unknown	Ancient Semi Natural Woodland
-	1500m E	Unknown	Plantation on Ancient Woodland Site
-	1535m SW	Unknown	Ancient Semi Natural Woodland
-	1595m E	Unknown	Plantation on Ancient Woodland Site
-	1595m W	Unknown	Restored Ancient Woodland Site
-	1604m S	Unknown	Restored Ancient Woodland Site
-	1609m S	Unknown	Restored Ancient Woodland Site
-	1610m S	Unknown	Plantation on Ancient Woodland Site
-	1620m W	Unknown	Restored Ancient Woodland Site
-	1634m E	Unknown	Ancient Semi Natural Woodland
-	1656m S	Unknown	Restored Ancient Woodland Site
-	1659m E	Unknown	Ancient Semi Natural Woodland
-	1662m NW	Unknown	Ancient Semi Natural Woodland
-	1711m E	Unknown	Ancient Semi Natural Woodland
-	1733m W	Unknown	Restored Ancient Woodland Site
-	1755m E	Unknown	Plantation on Ancient Woodland Site
-	1785m SW	Unknown	Restored Ancient Woodland Site
-	1832m E	Unknown	Ancient Semi Natural Woodland
-	1842m NE	Unknown	Ancient Woodland Site of Unknown Category

ID	Location	Name	Woodland Type
-	1891m NW	Unknown	Ancient Semi Natural Woodland
-	1900m S	Unknown	Plantation on Ancient Woodland Site
-	1936m E	Unknown	Ancient Semi Natural Woodland
-	1943m E	Unknown	Ancient Semi Natural Woodland
-	1946m NE	Unknown	Restored Ancient Woodland Site
-	1950m SW	Unknown	Restored Ancient Woodland Site
-	1954m E	Unknown	Ancient Semi Natural Woodland
-	1960m W	Unknown	Plantation on Ancient Woodland Site
-	1967m S	Unknown	Restored Ancient Woodland Site
-	1990m E	Unknown	Ancient Semi Natural Woodland

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.

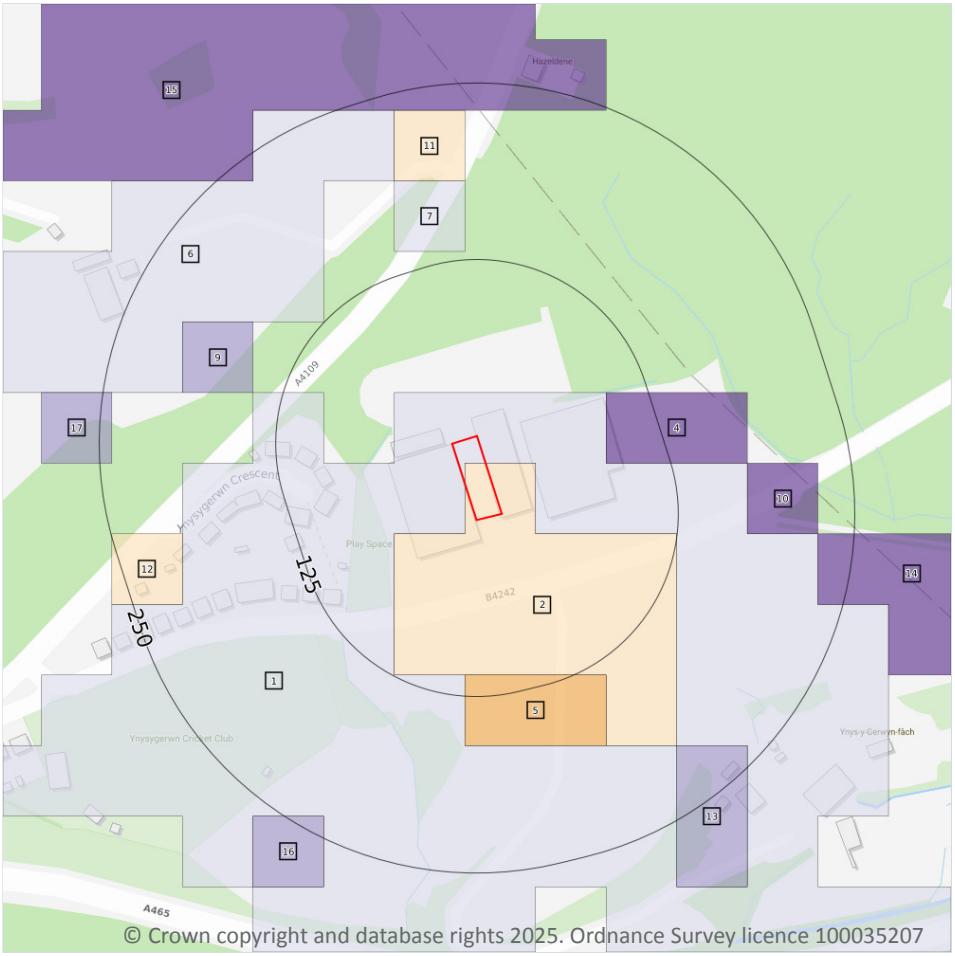
11.7 Registered Parks and Gardens

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	15

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 70 >**

ID	Location	Classification	Description
1	**On site**	**Grade 3b**	**Moderate quality agricultural land**
2	**On site**	**Grade 3a**	**Good to moderate quality agricultural land**
4	81m E	Grade 5	Very poor quality agricultural land

ID	Location	Classification	Description
5	110m S	Grade 2	Good quality agricultural land
6	125m NW	Grade 3b	Moderate quality agricultural land
7	131m N	Grade 3b	Moderate quality agricultural land
9	146m W	Grade 4	Poor quality agricultural land
10	174m E	Grade 5	Very poor quality agricultural land
11	181m N	Grade 3a	Good to moderate quality agricultural land
12	201m W	Grade 3a	Good to moderate quality agricultural land
13	206m SE	Grade 4	Poor quality agricultural land
14	224m E	Grade 5	Very poor quality agricultural land
15	231m N	Grade 5	Very poor quality agricultural land
16	236m SW	Grade 4	Poor quality agricultural land
17	241m W	Grade 4	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.

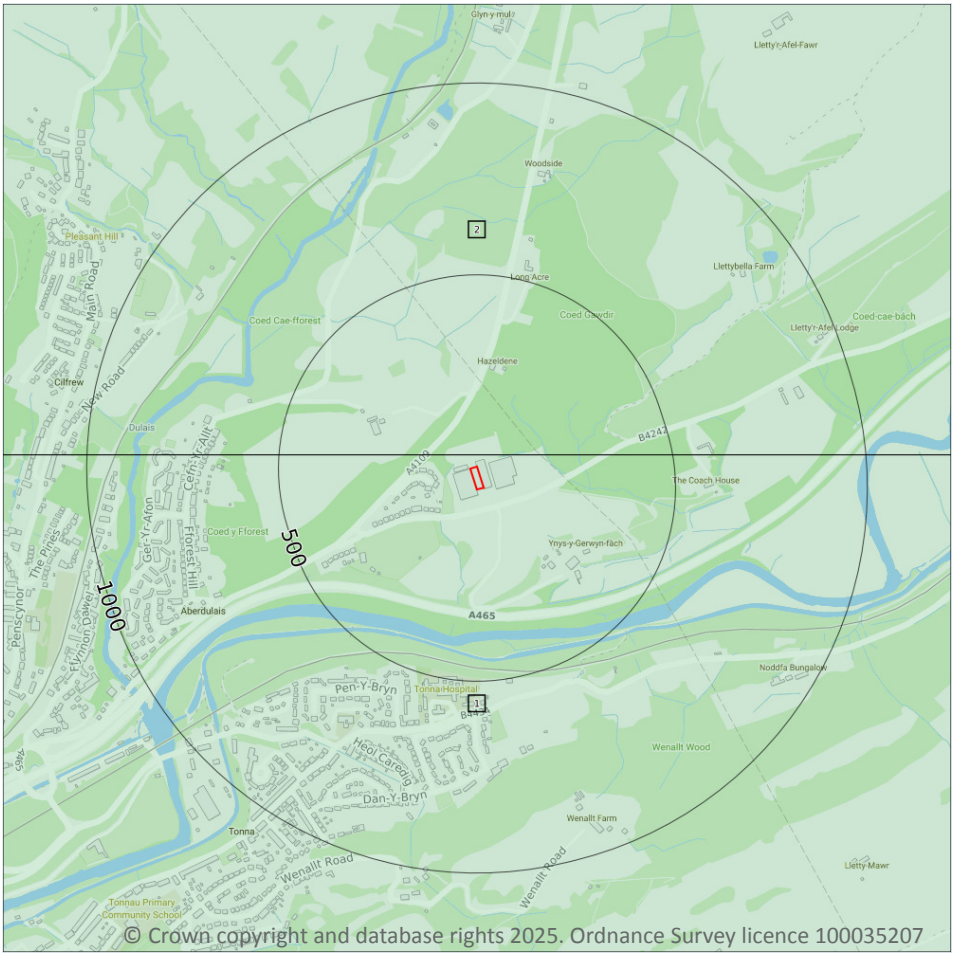
13.4 Limestone Pavement Orders

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.

14 Geology 1:10,000 scale - Availability



Site Outline

Search buffers in metres (m)

Full coverage

Partial coverage

No coverage

14.1 10k Availability

Records within 500m	2

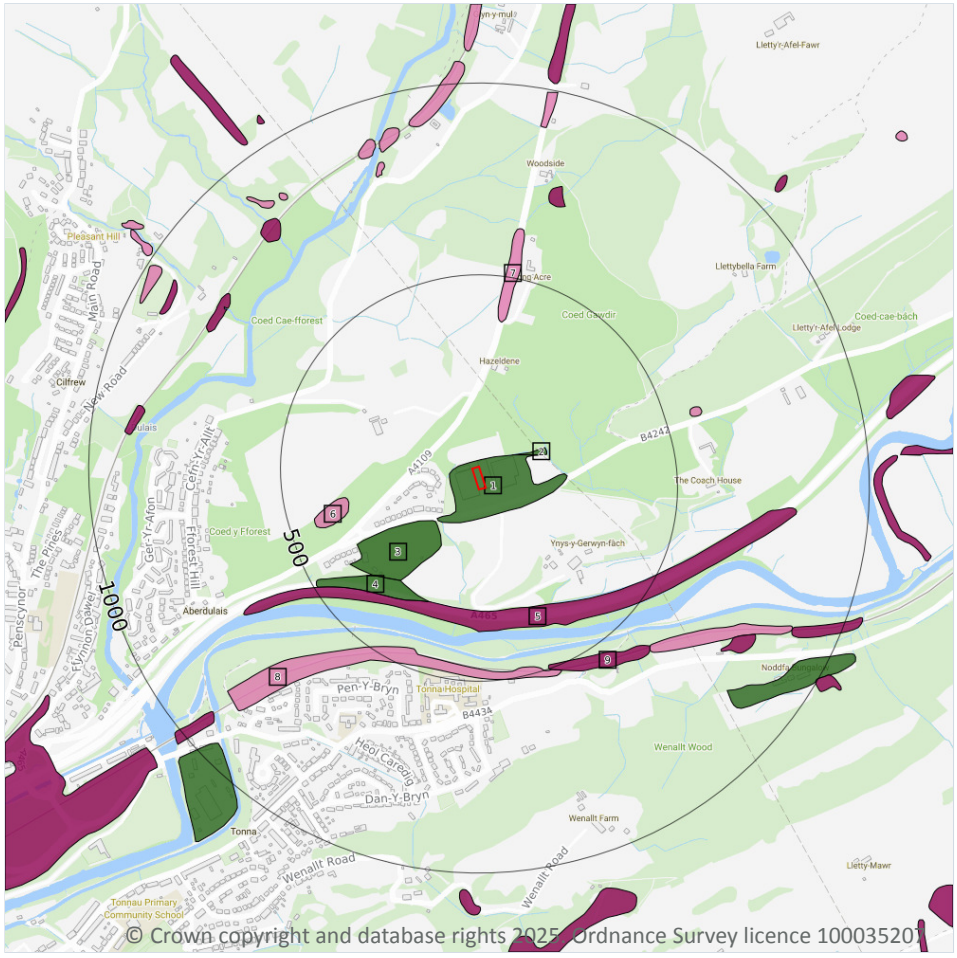
An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 74 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**Full**	**SS79NE**
2	31m N	Full	Full	Full	Full	SN70SE

This data is sourced from the British Geological Survey.

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	9

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.

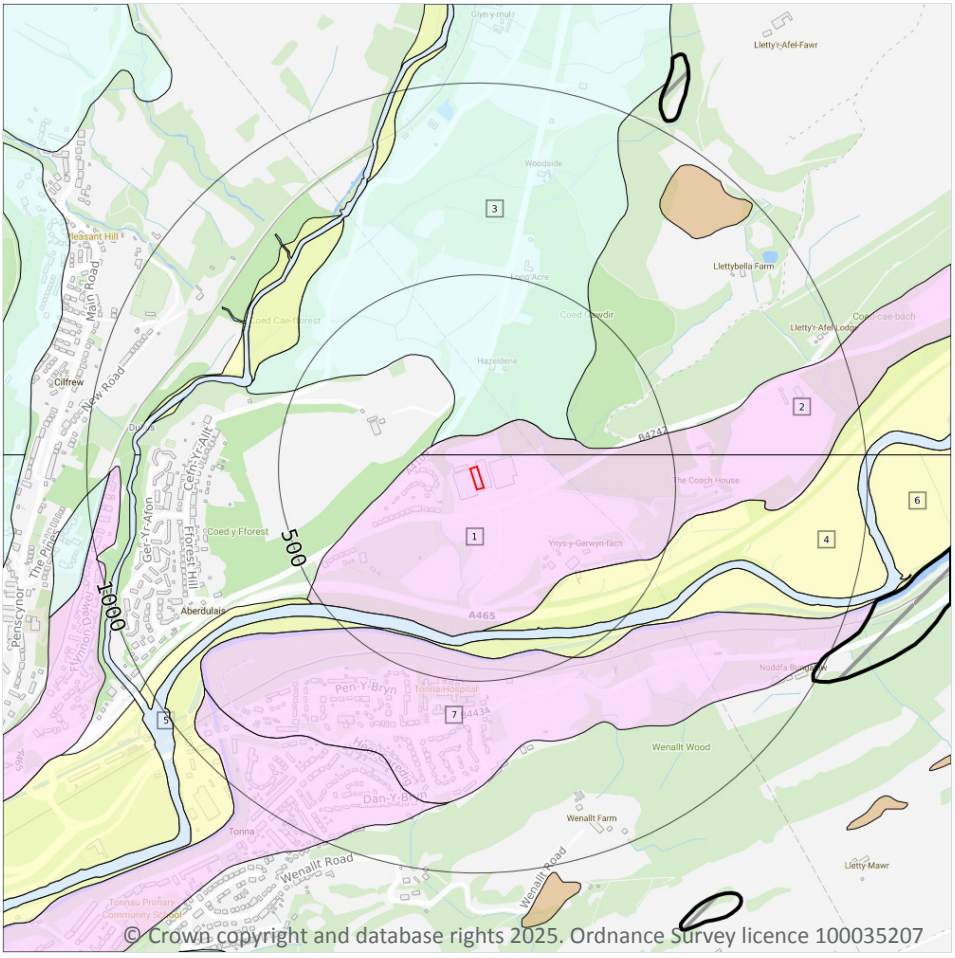
Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 75 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**LSGR-UKNOWN**	**Landscaped Ground (Undivided)**	**Unknown/unclassified Entry**
2	96m E	LSGR-UKNOWN	Landscaped Ground (Undivided)	Unknown/unclassified Entry
3	140m SW	LSGR-UKNOWN	Landscaped Ground (Undivided)	Unknown/unclassified Entry
4	313m SW	LSGR-UKNOWN	Landscaped Ground (Undivided)	Unknown/unclassified Entry

ID	Location	LEX Code	Description	Rock description
5	314m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
6	334m W	WGR-VOID	Worked Ground (Undivided)	Void
7	381m N	WGR-VOID	Worked Ground (Undivided)	Void
8	449m S	WGR-VOID	Worked Ground (Undivided)	Void
9	490m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial



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 **7**

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 77 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**GFDUD-XSV**	**Glaciofluvial Deposits, Devensian - Sand And Gravel**	**Sand And Gravel**
2	31m N	GFDUD-XSV	Glaciofluvial Deposits, Devensian - Sand And Gravel	Sand And Gravel
3	81m N	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton
4	313m SE	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel

ID	Location	LEX Code	Description	Rock description
5	370m S	SUPNM-UKNOWN	Superficial Theme Not Mapped [for Digital Map Use Only] - Unknown/unclassified Entry	Unknown/unclassified Entry
6	393m S	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
7	416m S	GFDUD-XSV	Glaciofluvial Deposits, Devensian - Sand And Gravel	Sand And Gravel

This data is sourced from the British Geological Survey.

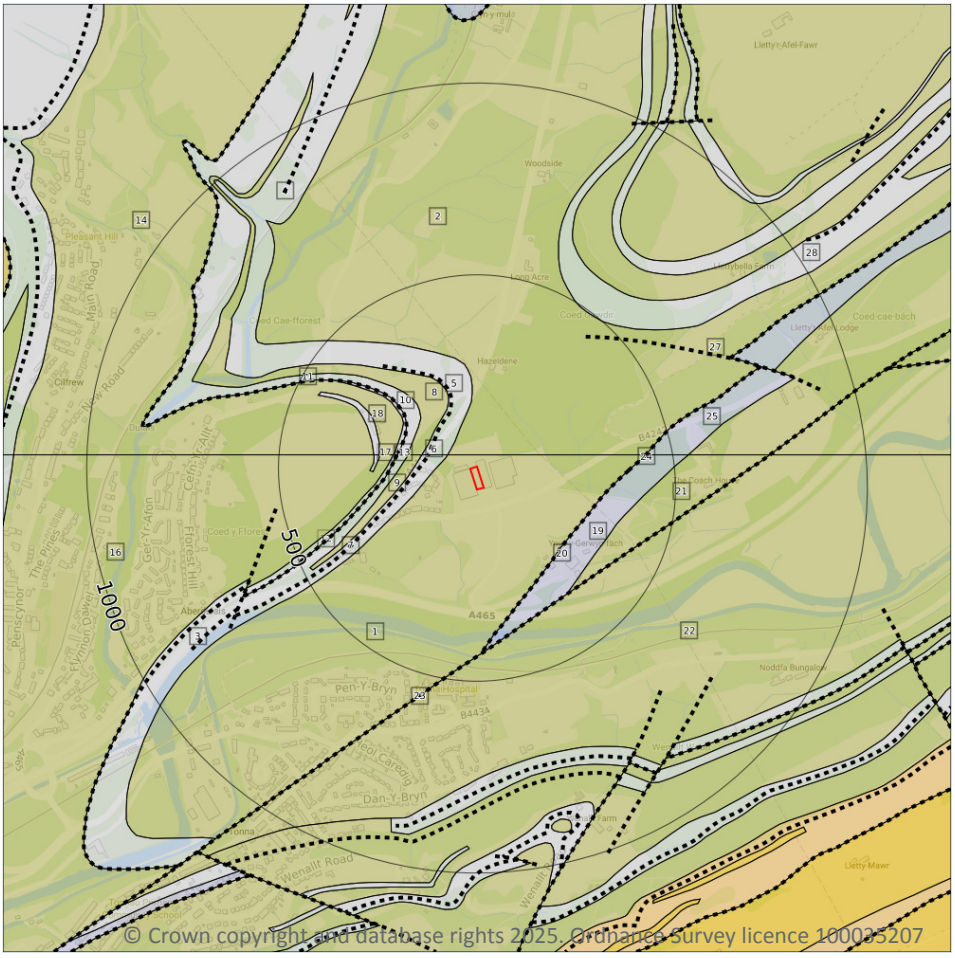
14.4 Landslip (10k)

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



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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 **17**

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 79 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**BD-SDST**	**Brithdir Member - Sandstone**	**Westphalian D Sub-age**
2	31m N	BD-SDST	Brithdir Member - Sandstone	Westphalian D Sub-age
3	69m NW	BD-MDSS	Brithdir Member - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age
4	69m NW	BD-MDSS	Brithdir Member - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age

ID	Location	LEX Code	Description	Rock age
8	127m NW	BD-SDST	Brithdir Member - Sandstone	Westphalian D Sub-age
9	131m W	BD-SDST	Brithdir Member - Sandstone	Westphalian D Sub-age
10	189m W	BD-MDSS	Brithdir Member - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age
12	194m W	BD-MDSS	Brithdir Member - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age
14	200m W	BD-SDST	Brithdir Member - Sandstone	Westphalian D Sub-age
16	204m W	BD-SDST	Brithdir Member - Sandstone	Westphalian D Sub-age
17	239m W	BD-MDSS	Brithdir Member - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age
18	240m W	BD-MDSS	Brithdir Member - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age
19	254m SE	RA-MDSS	Rhondda Member - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age - Bolsovian Sub-age
21	337m SE	RA-SDST	Rhondda Member - Sandstone	Westphalian D Sub-age - Bolsovian Sub-age
22	351m SE	BD-SDST	Brithdir Member - Sandstone	Westphalian D Sub-age
25	432m E	RA-MDSS	Rhondda Member - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age - Bolsovian Sub-age
28	495m NE	BD-MDSS	Brithdir Member - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m	**11**

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.

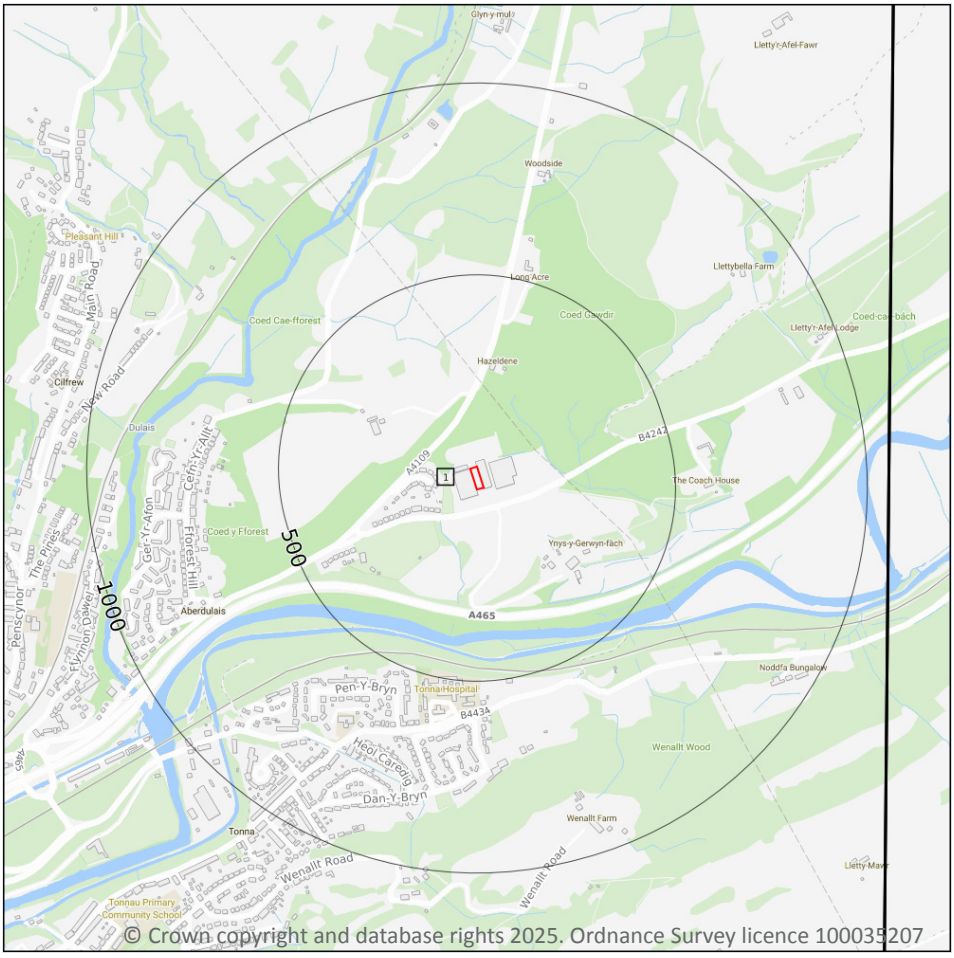
Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 79 >**

ID	Location	Category	Description
5	115m NW	ROCK	Coal seam, inferred ()
6	115m W	ROCK	Coal seam, inferred ()
7	116m W	ROCK	Coal seam, inferred (THIN COAL)
11	189m W	ROCK	Coal seam, inferred (SUPPOSED BRITHDIR RIDER)
13	194m W	ROCK	Coal seam, inferred (SUPPOSED BRITHDIR RIDER)

ID	Location	Category	Description
15	201m W	ROCK	Coal seam, inferred ()
20	254m SE	ROCK	Coal seam, inferred (BRITHDIR)
23	351m SE	FAULT	Normal fault, inferred
24	381m E	ROCK	Coal seam, inferred (BRITHDIR)
26	432m E	ROCK	Coal seam, inferred (BRITHDIR)
27	442m NE	FAULT	Normal fault, inferred

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 82 >**

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



15.2 Artificial and made ground (50k)

Records within 500m	2

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 83 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**LSGR-ARTGR**	**LANDSCAPED GROUND (UNDIVIDED)**	**ARTIFICIALLY MODIFIED GROUND**
2	140m SW	LSGR-ARTGR	LANDSCAPED GROUND (UNDIVIDED)	ARTIFICIALLY MODIFIED GROUND

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

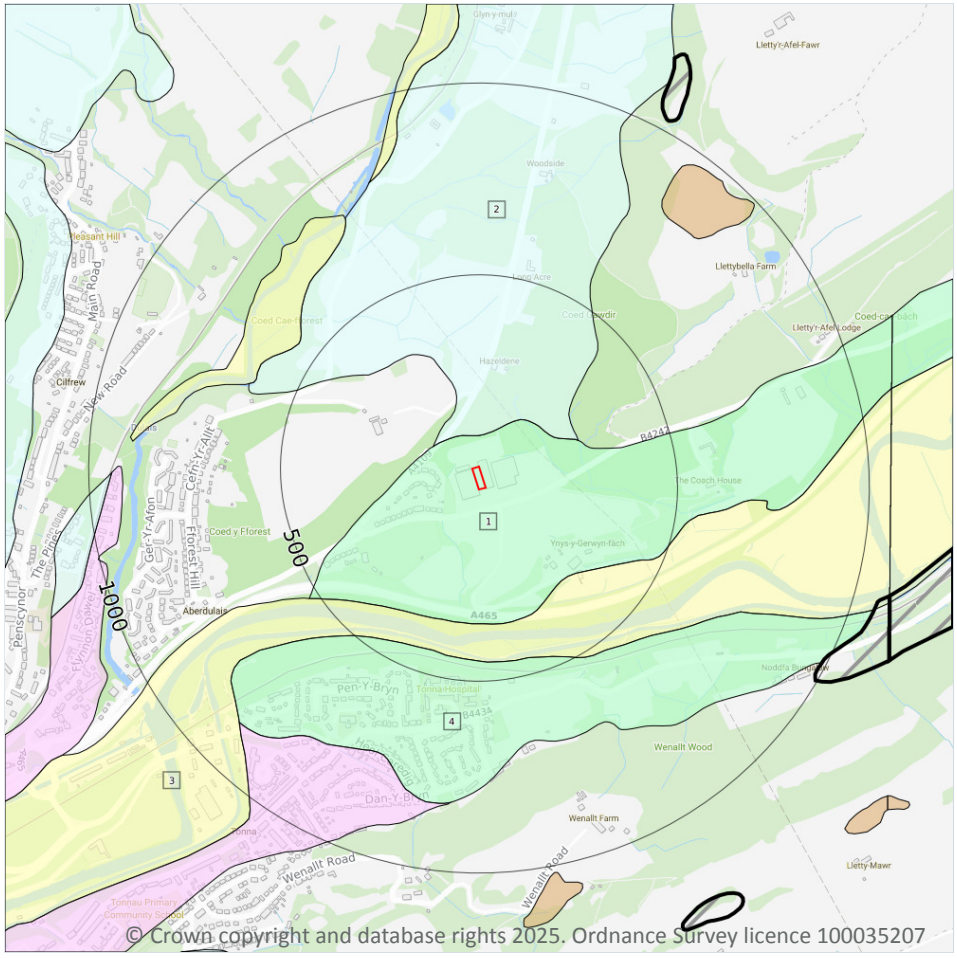
Records within 50m	1

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



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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 **4**

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 85 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**HMGDD-XSV**	**HUMMOCKY (MOUNDY) GLACIAL DEPOSITS, DEVENSIAN**	**SAND AND GRAVEL**
2	81m N	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON
3	313m SE	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL

ID	Location	LEX Code	Description	Rock description
4	436m S	HMGDD-XSV	HUMMOCKY (MOUNDY) GLACIAL DEPOSITS, DEVENSIAN	SAND AND GRAVEL

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**	**Very High**	**High**
31m N	Intergranular	Very 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.

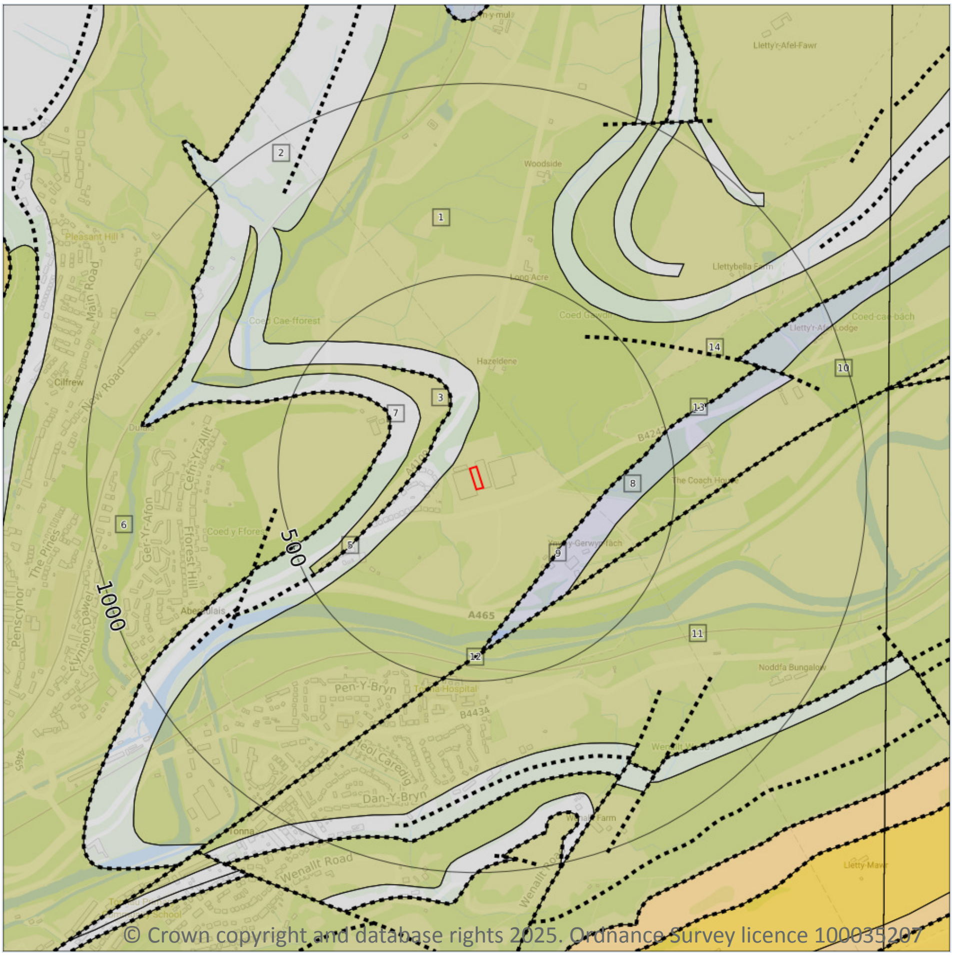
15.7 Landslip permeability (50k)

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 87 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**BD-SDST**	**BRITHDIR MEMBER - SANDSTONE**	**WESTPHALIAN**
2	43m NW	BD-MDSS	BRITHDIR MEMBER - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
3	115m NW	BD-SDST	BRITHDIR MEMBER - SANDSTONE	WESTPHALIAN

ID	Location	LEX Code	Description	Rock age
6	227m W	BD-SDST	BRITHDIR MEMBER - SANDSTONE	WESTPHALIAN
8	254m SE	RA-MDSS	RHONDDA MEMBER - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
10	337m SE	RA-SDST	RHONDDA MEMBER - SANDSTONE	WESTPHALIAN
11	351m SE	BD-SDST	BRITHDIR MEMBER - SANDSTONE	WESTPHALIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m **4**

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**	**High**	**Moderate**
31m N	Fracture	High	Moderate
43m NW	Fracture	Moderate	Low
46m NW	Fracture	Moderate	Low

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m **7**

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.

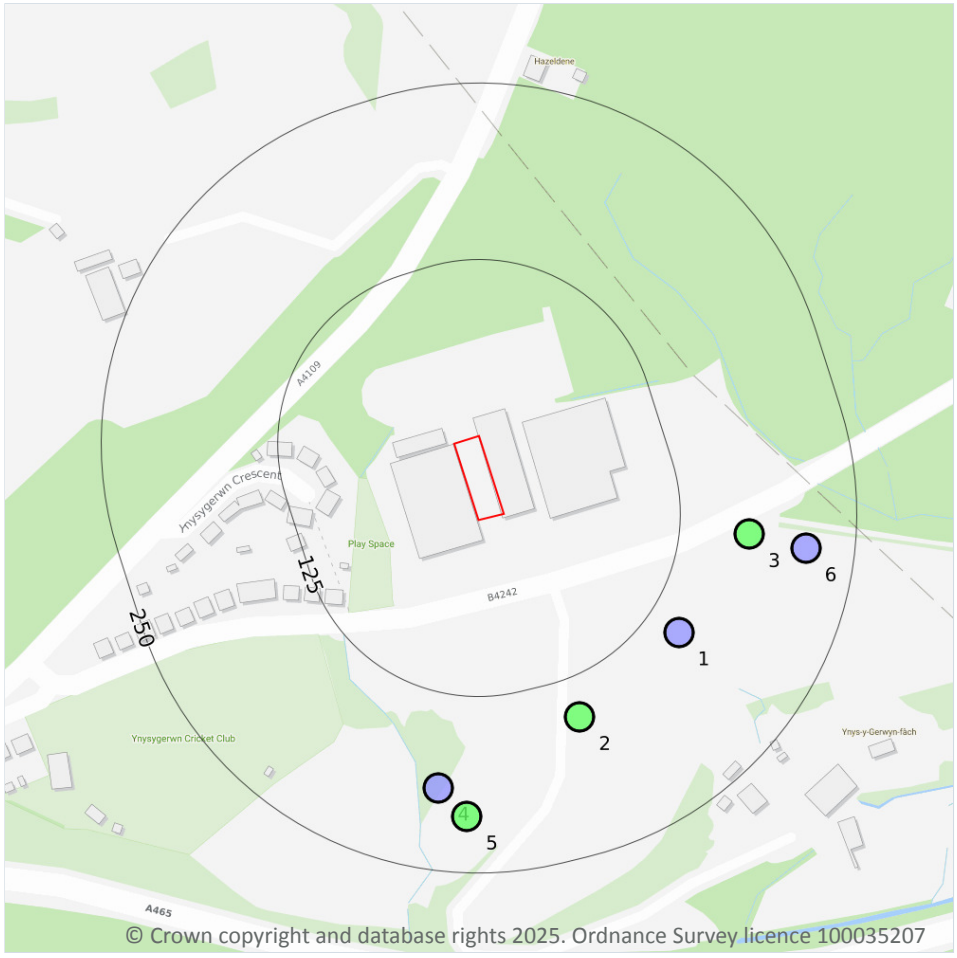
Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 87 >**

ID	Location	Category	Description
4	115m NW	ROCK	Coal seam, inferred
5	116m W	ROCK	Coal seam, inferred
7	227m W	ROCK	Coal seam, inferred
9	254m SE	ROCK	Coal seam, inferred

ID	Location	Category	Description
12	351m SE	FAULT	Fault, inferred, displacement unknown
13	381m E	ROCK	Coal seam, inferred
14	442m NE	FAULT	Fault, inferred, displacement unknown

This data is sourced from the British Geological Survey.

16 Boreholes



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Site Outline

Search buffers in metres (m)

Confidential

0 - 10m

10 - 30m

30m+

Unknown

16.1 BGS Boreholes

Records within 250m **6**

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.

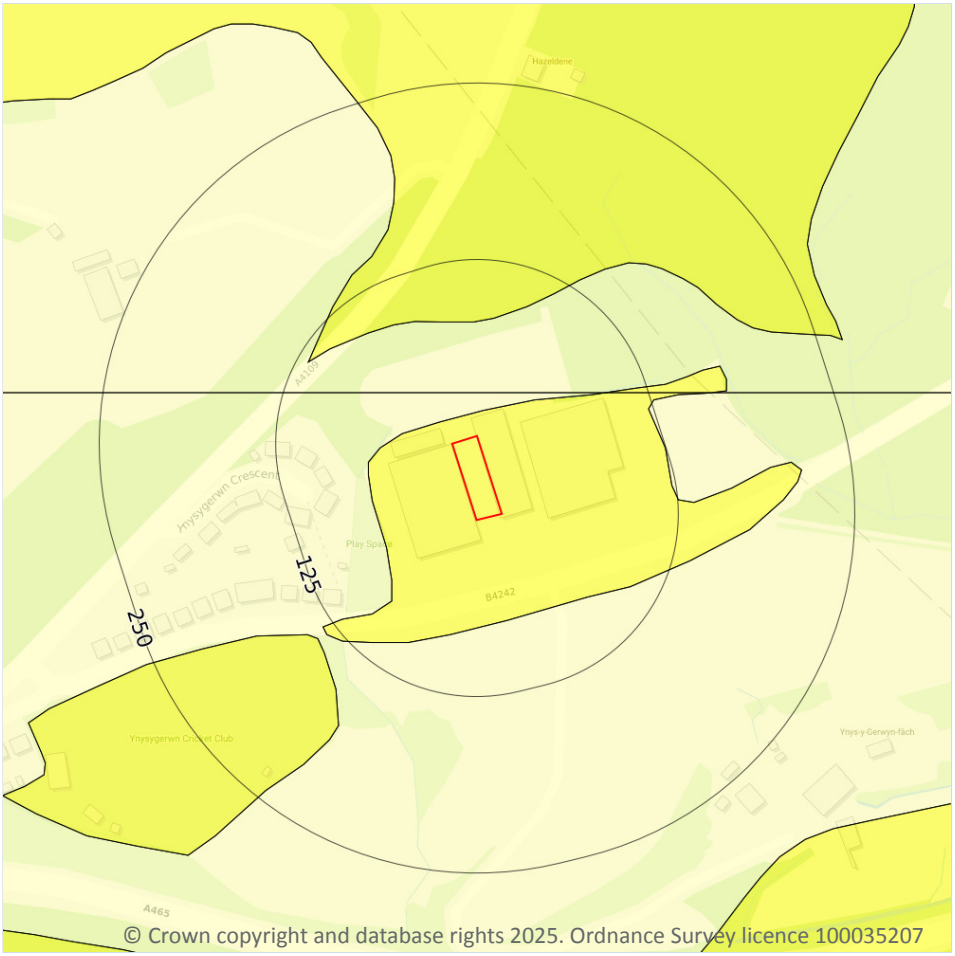
Features are displayed on the Boreholes map on **page 90 >**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	150m SE	278250 199830	ABERDULAIS-HIRWAUN TRUNK ROAD. 258	9.6	N	371049 ↗
2	154m S	278180 199770	ABERDULAIS-HIRWAUN TRUNK ROAD. 259	13.72	N	371050 ↗
3	174m E	278300 199900	ABERDULAIS-HIRWAUN TRUNK ROAD. 256,256A	12.95	N	371047 ↗

ID	Location	Grid reference	Name	Length	Confidential	Web link
4	192m S	278080 199720	ABERDULAIS-HIRWAUN TRUNK ROAD. 261	9.14	N	371052 ↗
5	210m S	278100 199700	ABERDULAIS-HIRWAUN TRUNK ROAD. 260,260A	27.43	N	371051 ↗
6	215m E	278340 199890	ABERDULAIS-HIRWAUN TRUNK ROAD. 257	9.14	N	371048 ↗

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



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Site Outline

Search buffers in metres (m)

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

17.1 Shrink swell clays

Records within 50m	3

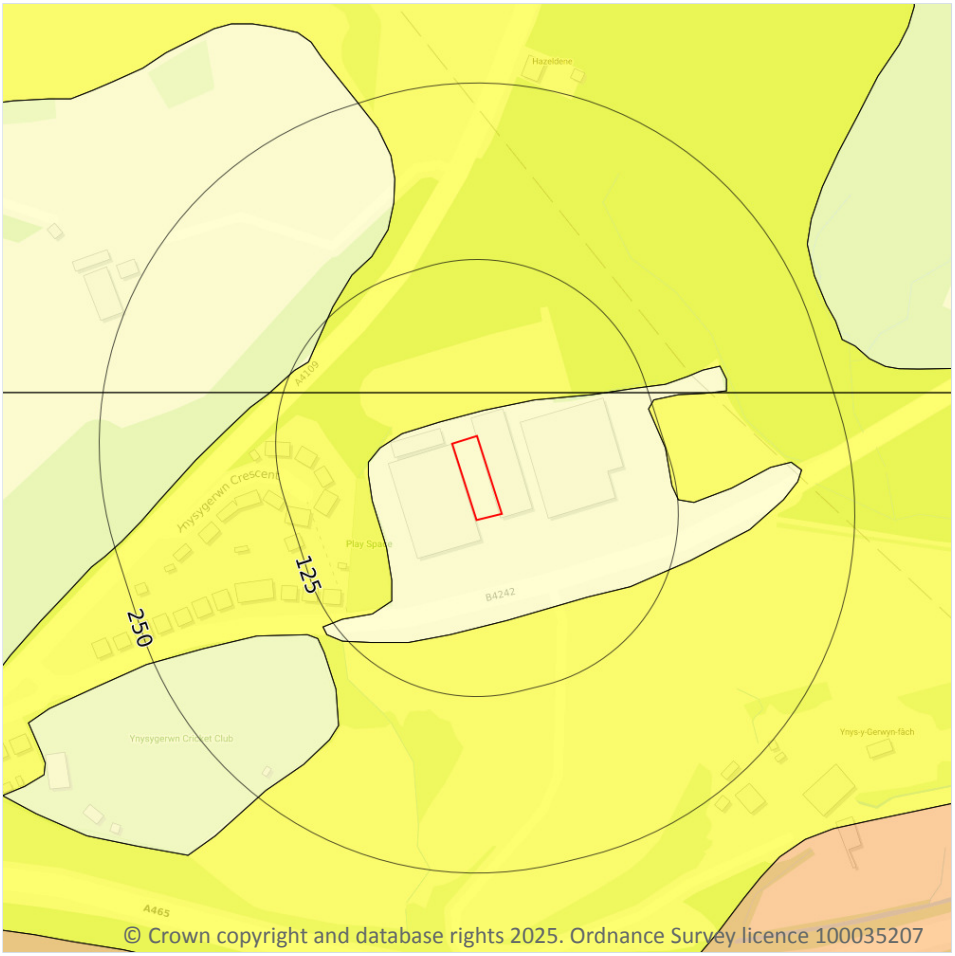
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 92 >**

Location	Hazard rating	Details
On site	**Very low**	**Ground conditions predominantly low plasticity.**
16m N	Negligible	Ground conditions predominantly non-plastic.
31m N	Negligible	Ground conditions predominantly non-plastic.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



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Site Outline

Search buffers in metres (m)

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

17.2 Running sands

Records within 50m	3

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.

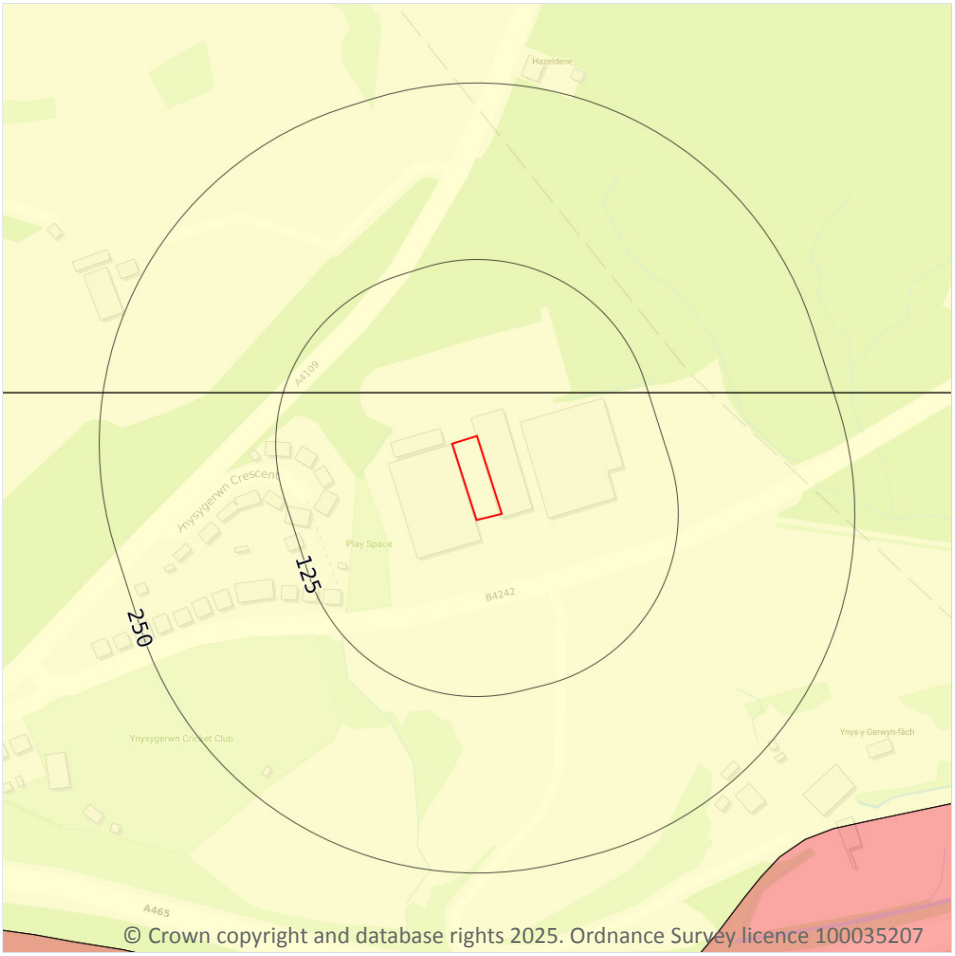
Features are displayed on the Natural ground subsidence - Running sands map on **page 94 >**

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.**

Location	Hazard rating	Details
16m N	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.
31m N	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

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	2

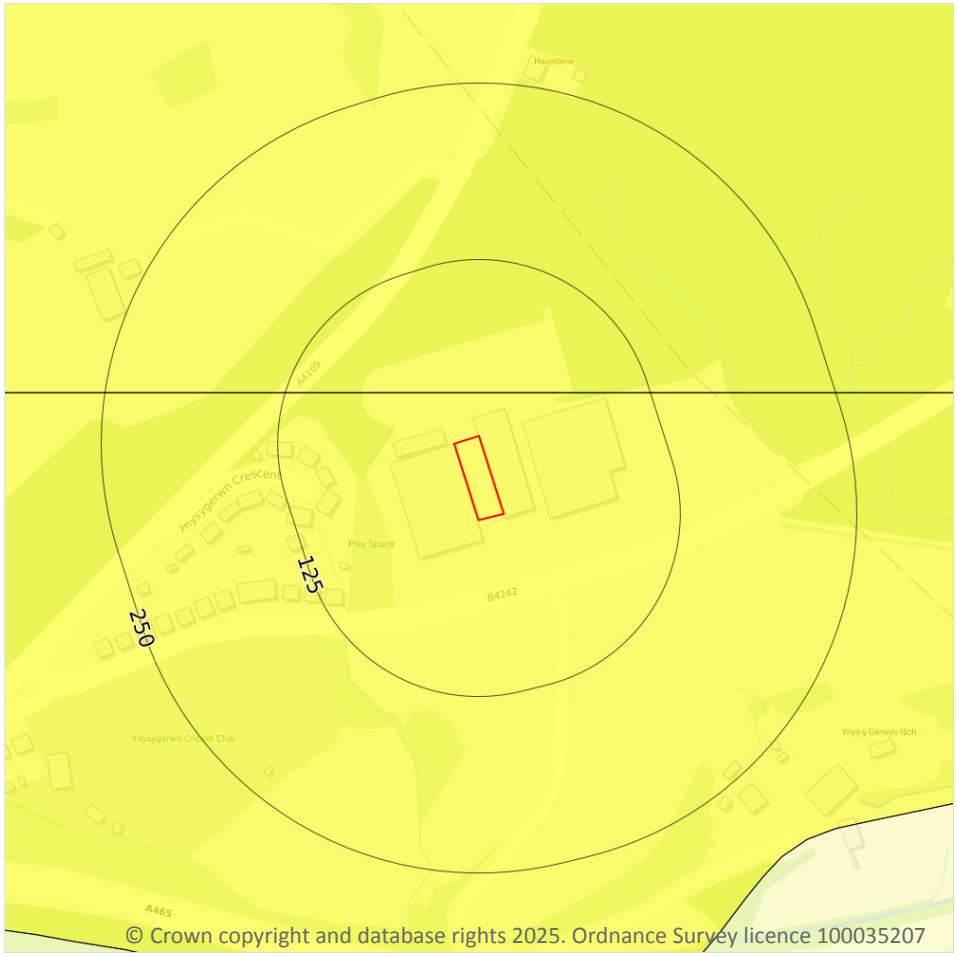
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 96 >**

Location	Hazard rating	Details
On site	**Negligible**	**Compressible strata are not thought to occur.**
31m N	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

17.4 Collapsible deposits

Records within 50m	2

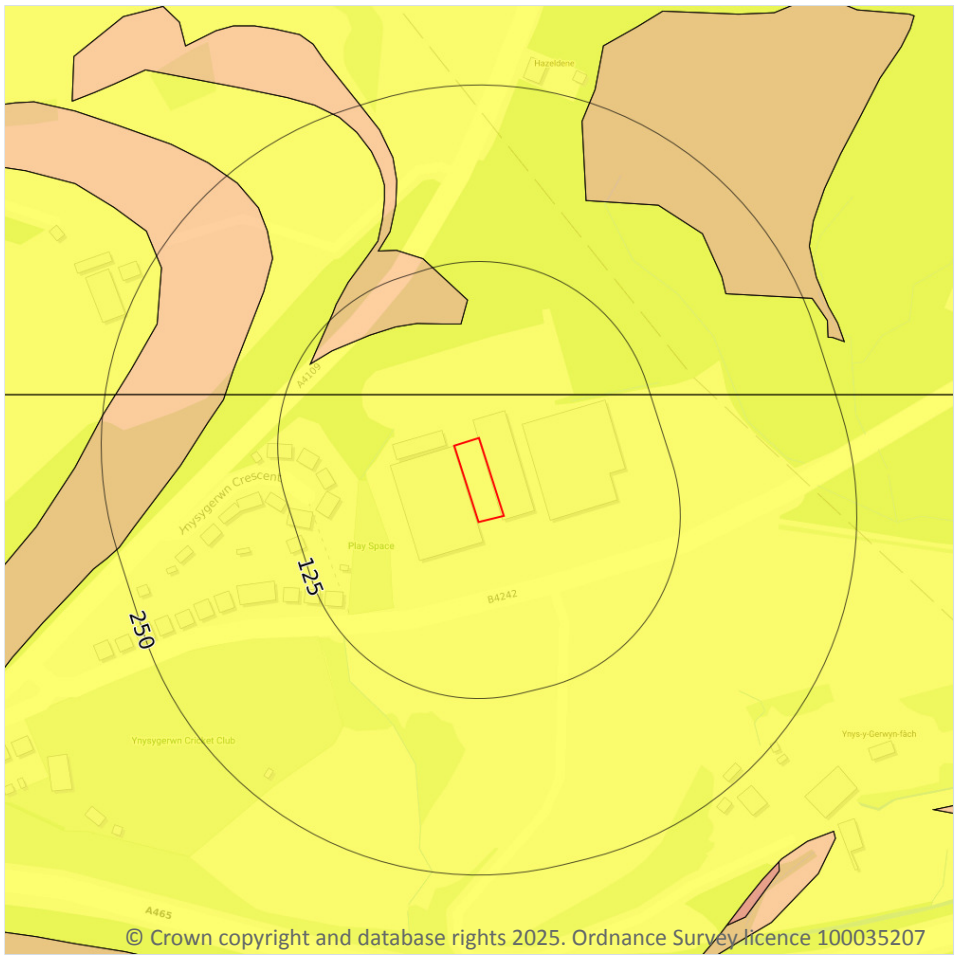
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 97 >**

Location	Hazard rating	Details
On site	**Very low**	**Deposits with potential to collapse when loaded and saturated are unlikely to be present.**
31m N	Very low	Deposits with potential to collapse when loaded and saturated are unlikely 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	2

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 98 >**

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.**

Location	Hazard rating	Details
31m N	Very low	Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Ground dissolution of soluble rocks



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Site Outline

Search buffers in metres (m)

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

17.6 Ground dissolution of soluble rocks

Records within 50m	2

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 100 >**

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.**

Location	Hazard rating	Details
31m N	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



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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	1

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 102 >**

ID	Location	Details	Description
C	374m W	Name: Cefn-yr-alt Address: Aberdulais, NEATH, West Glamorgan Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m **1**

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 102 >**

ID	Location	Land Use	Year of mapping	Mapping scale
A	250m W	Cuttings	1935	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m **22**

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 102 >**

ID	Location	Land Use	Year of mapping	Mapping scale
B	309m S	Disused Colliery	1921	1:10560
N	557m SW	Disused Colliery	1914	1:10560
N	557m SW	Disused Colliery	1897	1:10560
O	570m E	Old Coal Pit	1914	1:10560
O	573m E	Old Coal Pit	1897	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
O	575m E	Old Coal Pit	1921	1:10560
N	626m SW	Coal Level	1877	1:10560
R	790m NW	Unspecified Disused Level	1987	1:10000
-	828m SE	Coal Level	1921	1:10560
-	831m SE	Coal Level	1914	1:10560
-	835m SE	Unspecified Disused Level	1991	1:10000
-	835m SE	Unspecified Disused Level	1982	1:10000
-	835m SE	Unspecified Disused Level	1973	1:10000
-	840m SE	Unspecified Old Level	1935	1:10560
-	840m SE	Unspecified Old Level	1962	1:10560
-	841m SE	Unspecified Old Level	1948	1:10560
-	845m NW	Unspecified Old Level	1935	1:10560
-	848m NW	Unspecified Old Level	1935	1:10560
-	862m NW	Unspecified Old Level	1948	1:10560
-	865m NW	Old Coal Level	1921	1:10560
-	928m NW	Coal Level	1877	1:10560
-	931m NW	Old Coal Level	1914	1:10560

This is 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	0

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.

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m	0

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).

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

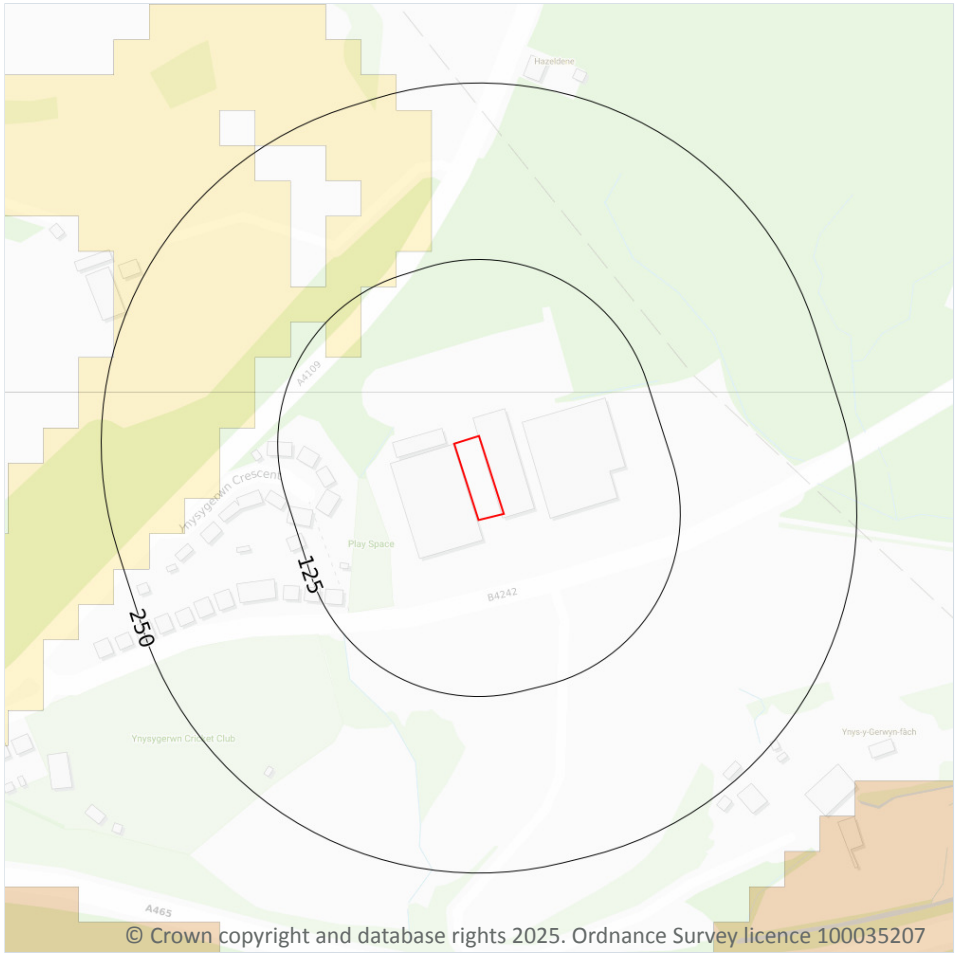
Records within 500m	0

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.

20 Radon



Site Outline

Search buffers in metres (m)

- Greater than 30%
- Between 10% and 30%
- Between 5% and 10%
- Between 3% and 5%
- Between 1% and 3%
- Less than 1%

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 110 >**

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	3

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km^2. In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km^2; 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**	**15 - 30 mg/kg**
31m N	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
31m N	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m	0

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

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m	0

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

This data is sourced from the British Geological Survey.

22 Railway infrastructure and projects

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	0

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.

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	0

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

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 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.

22.9 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 ↗.

Terms and conditions

Groundsure's Terms and Conditions can be accessed at this link: www.groundsure.com/terms-and-conditions-april-2023/ ↗.

The Coal Authority

CON29M
coal mining report

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Known or potential coal mining risks

Future underground coal mining Page 4

Further action

No further reports from the Coal Authority are required. Further information on any next steps can be found in our Professional opinion.

For more information on our reports please visit www.groundstability.com

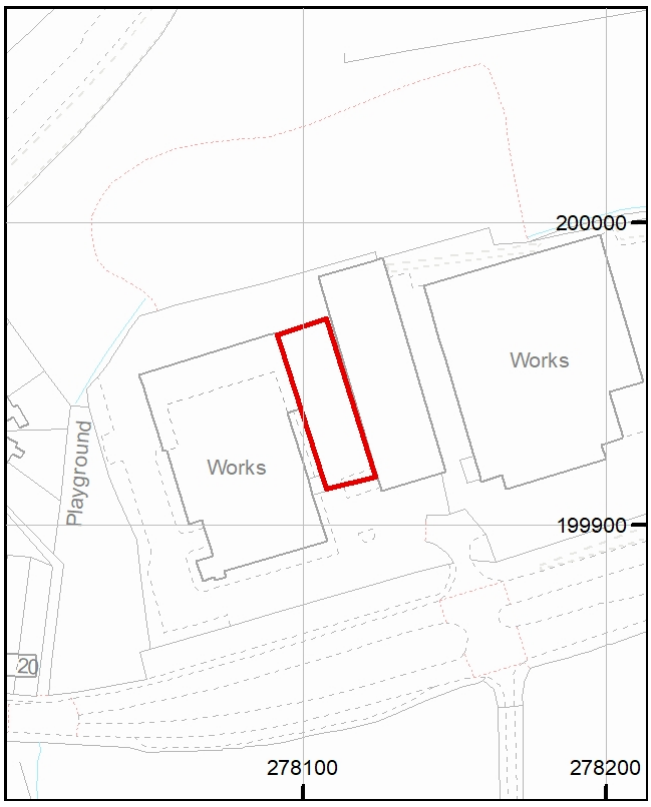
Professional opinion

According to the official mining information records held by the Coal Authority at the time of this search, evidence of, or the potential for, coal mining related features have been identified. It is unlikely that these features will impact on the stability of the enquiry boundary.

Enquiry boundary

Key

Approximate position of enquiry boundary shown



We can confirm that the location is **on the coalfield**

Map data

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This report is prepared in accordance with the latest Law Society's Guidance Notes 2018, the User Guide 2018 and the Coal Authority's Terms and Conditions applicable at the time the report was produced.

Accessibility

If you would like this information in an alternative format, please contact our communications team on 0345 762 6848 or email communications@coal.gov.uk.

Professional opinion

Future development

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

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

If you are looking to develop, or undertake works, within a coal mining development high risk area your Local Authority planning department may require a Coal Mining Risk Assessment to be undertaken by a qualified mining geologist or engineer. Should you require any additional information then please contact the Coal Authority on 0345 762 6848 or email cmra@coal.gov.uk.

Detailed findings

Information provided by the Coal Authority in this report is compiled in response to the Law Society's CON29M Coal Mining enquiries. The said enquiries are protected by copyright owned by the Law Society of 113 Chancery Lane, London WC2A 1PL.

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1 Past underground coal mining

The property is not within a surface area that could be affected by any past recorded underground coal mining.

2 Present underground coal mining

The property is not within a surface area that could be affected by present underground mining.

3 Future underground coal mining

The property is not in an area where the Coal Authority has received an application for, and is currently considering whether to grant a licence to remove or work coal by underground methods.

The property is not in an area where a licence has been granted to remove or otherwise work coal using underground methods.

The property is not in an area likely to be affected from any planned future underground coal mining.

However, reserves of coal exist in the local area which could be worked at some time in the future.

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

4 Mine entries

There are no recorded coal mine entries known to the Coal Authority within, or within 20 metres, of the boundary of the property.

5 Coal mining geology

The Coal Authority is not aware of any damage due to geological faults or other lines of weakness that have been affected by coal mining.

6 Past opencast coal mining

The property is not within the boundary of an opencast site from which coal has been removed by opencast methods.

7 Present opencast coal mining

The property does not lie within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods.

8 Future opencast coal mining

There are no licence requests outstanding to remove coal by opencast methods within 800 metres of the boundary.

The property is not within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted.

9 Coal mining subsidence

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

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

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

10 Mine gas

The Coal Authority has no record of a mine gas emission requiring action.

11 Hazards related to coal mining

The property has not been subject to remedial works, by or on behalf of the Coal Authority, under its Emergency Surface Hazard Call Out procedures.

12 Withdrawal of support

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

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

13 Working facilities order

The property is not in an area where an order has been made, under the provisions of the Mines (Working Facilities and Support) Acts 1923 and 1966 or any statutory modification or amendment thereof.

14 Payments to owners of former copyhold land

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

Statutory cover



Coal mining subsidence

In the unlikely event of any coal mining related subsidence damage, the Coal Authority or the mine operator has a duty to take remedial action in respect of subsidence caused by the withdrawal of support from land or property in connection with lawful coal mining operations.

When the works are the responsibility of the Coal Authority, our dedicated public safety and subsidence team will manage the claim. The house or land owner ("the owner") is covered for these works under the terms of the Coal Mining Subsidence Act 1991 (as amended by the Coal Industry Act 1994). Please note, this Act does not apply where coal was worked or gotten by virtue of the grant of a gale in the Forest of Dean, or any other part of the Hundred of St. Briavels in the county of Gloucester.

If you believe your land or property is suffering from coal mining subsidence damage and you need more information on what to do next, please use the following link to our website which sets out what your rights are and what you need to consider before making a claim.
www.gov.uk/government/publications/coal-mining-subsidence-damage-notice-form



Coal mining hazards

Our public safety and subsidence team provide a 24 hour a day, 7 days a week hazard reporting service, to help protect the public from hazards caused by past coal workings, such as a mine shaft or shallow working collapse. To report any hazards please call 0800 288 4242. Further information can be found on our website: www.gov.uk/coalauthority.

Glossary

Key terms

adit - horizontal or sloped entrance to a mine

coal mining subsidence - ground movement caused by the removal of coal by underground mining

Coal Mining Subsidence Act 1991 - the Act setting out the duties of the Coal Authority to repair damage caused by coal mining subsidence

coal mining subsidence damage - damage to land, buildings or structures caused by the removal of coal by underground mining

coal seams - bed of coal of varying thickness

future opencast coal mining - a licence granted, or licence application received, by the Coal Authority to excavate coal from the surface

future underground coal mining - a licence granted, or licence application received, by the Coal Authority to excavate coal underground. Although it is unlikely, remaining coal reserves could create a possibility for future mining, which would be licensed by the Coal Authority

mine entries - collective name for shafts and adits

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

payments to owners of former copyhold land - historically, copyhold land gave rights to coal to the copyholder. Legislation was set up to allow others to work this coal, but they had to issue a notice and pay compensation if a copyholder came forward

shaft - vertical entry into a mine

site investigation - investigations of coal mining risks carried out with the Coal Authority's permission

stop notice - a delay to repairs because further coal mining subsidence damage may occur and it would be unwise to carry out permanent repairs

subsidence claim - a formal notice of subsidence damage to the Coal Authority since it was established on 31 October 1994

withdrawal of support - a historic notice informing landowners that the coal beneath their property was going to be worked

working facilities orders - a court order which gave permission, restricted or prevented coal mine workings