

FORMER CROWN & SCEPTRE INN, MAIN ROAD, CADOXTON, NEATH, SA10 8AP.

Phase 1: Preliminary Risk Assessment / Coal Mining Risk Assessment

Report No. Q1463/PRA-CMRA February 2024

DOCUMENT CONTROL

Contract Name: Former Crown & Sceptre Inn, Main Road, Cadoxton, SA10 8AP
Contract Reference: Q1463
Report Type: Preliminary Risk Assessment & Coal Mining Risk Assessment
Report Reference: Q1463/PRA-CMRA
Date of Report Production: February 2024
Client: First Choice Housing Association

Version:	Date:	Prepared by:	Checked by:	Approved by:
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0.0 FOREWORD

The following Conditions and Notes on Site Investigation Procedures should be read in conjunction with this report.

The recommendations made and opinions expressed in the report are based upon the study of historical Ordnance Survey maps of the area, GroundSure® Enviro+Geo Insight report, site-specific Coal Authority mining report and geological maps where available.

Where other plan sources, and published data are considered, these are specifically referred to in the text.

We regret that no responsibility can be held for conditions, which have not been revealed by the plan sources referred to. Whilst the report may suggest the likely configuration of strata below the site, this is only indicative, and no liability can be accepted for its accuracy.

1.0 INTRODUCTION

1.1 General

Upon the instructions of First Choice Housing Association (the Client), Spencer Quantum (SQL) has been commissioned to undertake a combined desk-based Phase I Preliminary Risk Assessment of Land Quality and Coal Mining Risk Assessment for a plot of land at the former Crown & Sceptre Inn, Main Road, Cadoxton, Neath, that the Client is considering purchasing and develop for residential needs.

The location of the site is presented within Appendix I for reference.

This report presents a desk-based assessment of both geotechnical and environmental ground conditions, along with a coal mining risk assessment, to provide information on any potential constraints or hazards that may be posed to the development of the site. The site has not been visited in compiling this Report.

General notes on the techniques employed by Quantum Geotechnic are described in the Foreword together with the limitations inherent in this type of work.

1.2 Purpose

The purpose of this desk study exercise is to provide a preliminary assessment of the land quality and assess the site's suitability for development in terms of its geotechnical, geo-environmental and historical mining setting. This report aims to achieve this by providing the following:

- An early indication of possible land quality issues that could impact on the site
- A conceptual model of the site detailing potential contamination source pathways and receptors
- A geotechnical and geo-environmental appraisal of any issues highlighted and their significance
- A coal mining risk assessment
- Advice on any further steps to assess the stability of the site

1.3 Scope

In order to achieve its objectives, this study compiles a range of information pertinent to the development site. This typically targets its locality and includes archival and current data from the following sources.

- Site-specific database searches provided by Groundsure: Enviro+Geo Insight;
- Site-specific Radon Report
- Historical and recent ordnance survey maps;
- Published Geological data for the area;
- Site-specific Coal Authority CON29M Mining Report;
- Environment Agency datasets.

2.0 SITE DETAIL

2.1 Site Setting

The site area under review lies covers an area of c.0.15ha and lies within the suburb of Cadoxton in Neath. The postcode for the site is SA10 8AP with an approximate National Grid Reference of the site centre of 275385E 198410N.

From online sources, the site appears flat with hardstanding surfacing. Existing residential properties surround the site which front onto Main Road (A4230).

The site extent and layout of the proposed development is indicated on the Client's site plan presented in Appendix I.

An aerial view of the site from current on-line mapping is presented below with the site boundary highlighted.



Figure 1: Current Aerial Mapping of the Site © 2024 Google Inc.

The series of historical Ordnance Survey maps included in Appendix II give detailed information of the site topography and previous land uses and are discussed in Section 3.2. Aerial photographs of the site are also included in the Groundsure report presented in Appendix III.

3.0 GEOLOGY AND SITE HISTORY

3.1 Published Geology

Details of the geology of the site are provided by British Geological Survey (BGS) Sheet SS79NE at 1:10,560 scale, and BGS's online resource Geology Viewer.

The mapping indicates superficial deposits comprising Glacial Sand & Gravel (Glaciofluvial deposits) mantling the site. The thickness of the soil cover is not indicated, although 'Gravel' is mapped in the railway cutting on the map some 200m south-east of the site.

The geological mapping indicates the site to be underlain by strata from the Pennant Measures of the Upper Coal Measures; typically, mudstones and sandstones which contain productive coal seams.

The conjectural outcrop of several coal seams is shown north-west of the site, with the Hughes coal seam conjectural outcrop mapped c.100m distant, with the Garlant seam farther north-west again. The strata are shown to be dipping towards the south at a shallow angle of 8°. The seams are indicated in the main by a dashed line indicating a conjectured outcrop position, although where proved are indicated by a solid black line.

No mine entries are shown within or close to the site boundary.

An extract of the geological sheet is presented below.

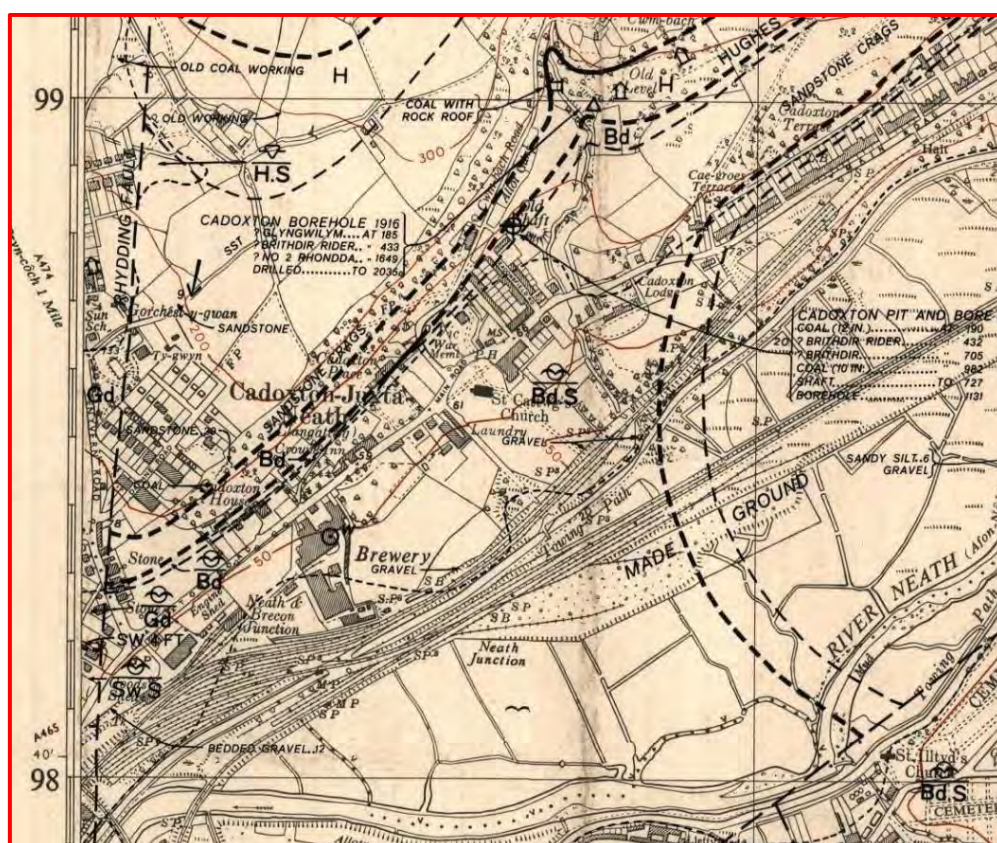


Figure 2: BGS Sheet SS79NE Extract. © NERC

A more detailed discussion of the mining legacy and how it may affect the site is presented in Section 4.

3.2 Site History

A review of the site history has been undertaken based on archive and recent maps provided by GroundSure and presented in Appendix II at scales of both 1:10,560/1:10,000 and at 1:2,500 in greater detail. A summary of the pertinent detail on the Ordnance Survey maps is provided as follows, based on the smaller scale 1:10,560 edition maps.

Table 1: Summary of Review of Historical Maps

Map Edition/Date	Observations
1877	The site is shown as being undeveloped on the 1 st Edition OS map, with an orchard or small wood occupying the site. Immediately to the south-west is the Vale of Neath Brewery. Part of the brewery buildings appear to encroach on the south-western boundary of the site. A Gasometer is mapped within the brewery site. Sidings associated with the Great Western and Neath & Brecon rail lines lie to the south-west of the site, with the Tennant canal running between the two railway lines, approximately 100m to the south-east.
1897	By the 2 nd edition map, some small unreferenced buildings occupy the south-western part of the site. The brewery is still operating at this date.
1914	The 1914 mapping shows no change to the site land use or the immediate environs.
1921	No changes to the site land use or the immediate environs are mapped.
1938	No changes to the site land use or the immediate environs are mapped.
1951	No changes to the site land use or the immediate environs are mapped.
1964	No changes to the site land use or the immediate environs are mapped.
1973	No changes to the site land use or the immediate environs are mapped.
1982	The brewery building has been demolished. No other changes to the site itself are mapped.
1992	No further changes to the site land use or the immediate environs are mapped.
2001	Residential development to the south-west and south has been constructed. No detail of the site is shown.
2010	Further residential development to the south has taken place.
2024	No further changes are mapped.

The larger scale mapping also included in Appendix II (at a scale of 1:2500 and 1:1,250) do not show any better detail of the land uses on the site itself.

4.0 COAL MINING RISK ASSESSMENT

4.1 Coal Authority Consultants Coal Mining Report

A CON29M Coal Mining Report has been obtained for the site from the Coal Authority. A copy of this is included in Appendix IV.

In summary, the relevant statements therein conclude the following:

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

Present Underground Coal Mining: The property is not within a surface area that could be affected by present underground mining.

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.

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.

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.

Opencast Coal Mining: The property is not within the boundary of an opencast site from which coal has been removed by opencast methods. The property does not lie within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods. 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.

Coal Mining Subsidence: The Coal Authority has not received any notices in respect of damage notices or subsidence claims for the site or any property within 50 of the site.

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

4.2 Mining History

The wider area of Neath has a long history of mining activity, particularly to the west and north of the site location.

The geological map of the area (see Figure 2, page 6) shows coal seam outcrops to the north-west of the site. These dip at a shallow angle towards the site, but the ground level at which they outcrop means that these seams will not underlie the site itself. The next lowest seam in the local sequence will be at a depth that should not affect the site.

Study of the Coal Authority interactive map viewer <http://mapapps2.bgs.ac.uk/coalauthority/home.html> provides some more detail on the mining legacy of the area.

The site does not lie within a *Development High Risk Area* as defined by the Coal Authority.

A screenshot from the interactive viewer of the incidence of coal seam outcrops, mine entries and recorded underground workings is presented over page as Figure 3.

No seams are located on the site, nor are any mine entries mapped nearby. The shaded areas indicating recorded mine workings are all to the west of the site.

This confirms the geological mapping of the site and the Coal Mining Report obtained.

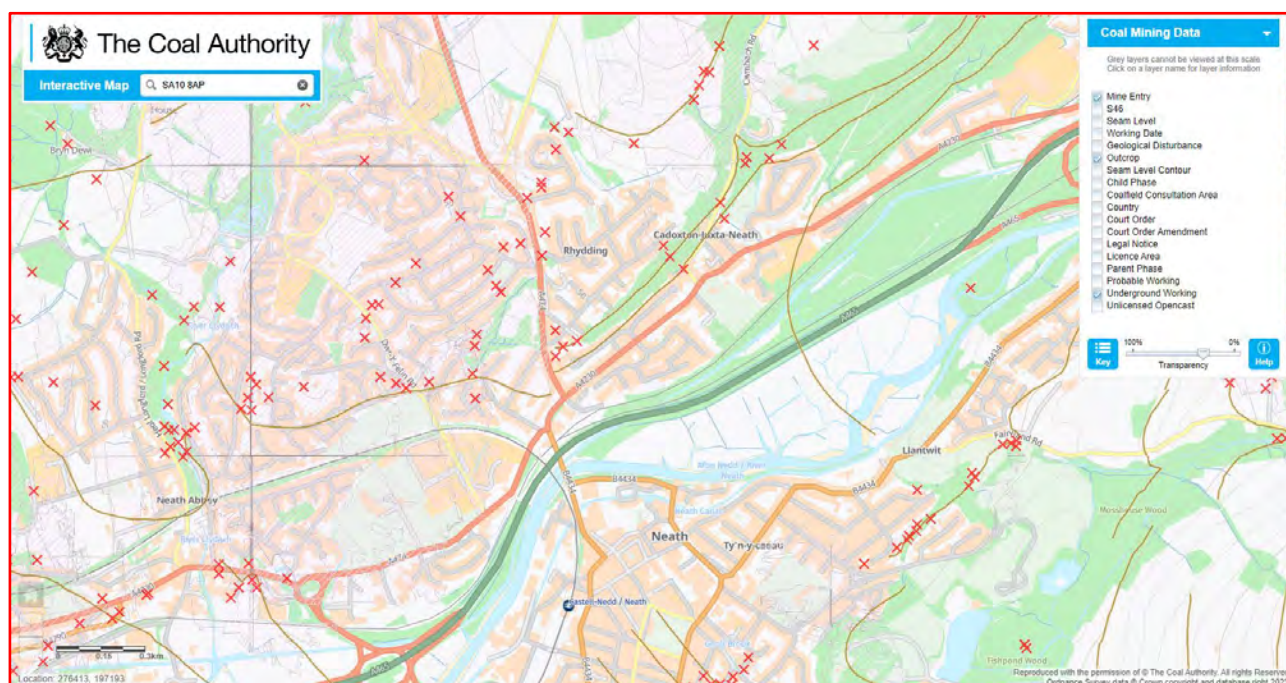


Figure 3: Coal Authority Interactive Mapping Viewer Screenshot – Coal Outcrops, Mine Entries & Workings (NTS). © Coal Authority

4.3 Conclusions

From the foregoing, the risk to the site from recorded coal workings is considered to be *Very Low*.

On the evidence available, the risk to the site from any unrecorded workings in the coal seams identified nearby across the site is considered to be *Low*.

No mine entries are located on or nearby. The risk from the nearest entries is *Negligible*.

The risk to the site from migration of mine gases is considered to be *Low*.

5.0 GROUNDSURE DATA REVIEW

5.1 General

As part of the desk study, environmental and geological/ ground stability reports have been obtained from GroundSure® which compile the results of current comprehensive on-line database searches using a range of national resources.

The combined Enviro+Geo Insight® report provides details on the geology of the site as well as information relating to ground workings in the area of the site, mining, extraction, natural cavities and natural ground subsidence, along with site specific environmental issues including pollution incidents, discharge consents, flooding issues and any areas of significant contamination potential as well the risk to any existing or planned properties from the underlying ground conditions.

The overall site covers a very large area and as such the dataset returns are very extensive and comprehensive. This data has been reviewed and the following summary of the data collected from within these reports provides a precis of the relevant information. Full copies of the document provided by GroundSure® is included in Appendix III.

5.2 Enviro+Geo Insight® Report – Data Review

Past Land Use

The searches record ten past *Historical Industrial Land Use* entries on the site, with a further three within 50m of the site boundary. Of the entries on the site, these all relate the Brewery building encroaching within the western site boundary. These entries all reference the same feature but on different edition OS maps. The entries within 50m of the site boundary refer to the railway sidings identified on the historical maps.

Only one record of an unspecified *Historical Tank* is noted 7m south of the site. No records are detailed of any *Energy Features, Petrol Stations, Garages or Military Land* on or within 50m of the site.

Waste and Landfill

There are no *Active, Historical Landfills* or *Licensed Waste Sites* recorded within 250m of the site.

Current Industrial Land Use

The report identifies none of the listed categories within the current industrial land use category on the site itself. An electricity sub-station is located 5m south-east of the site. One entry relating to a *Licensed Pollutant Release* is a fuel spill when filling fuel tanks at a filling station is noted, but some 490m distant from the site.

Hydrogeology

Superficial soil cover is mapped as being Glacial Sands and Gravels. These are designated as a 'Secondary A' classification Aquifer. This is defined as being 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 layers are generally aquifers formerly classed as minor aquifers.

Bedrock on site has been identified as a 'Secondary A' aquifer which is described as 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.

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 is presented. 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.

The characterisation of vulnerability to groundwater by a pollutant discharged at ground level is recorded in the Groundsure report as ranging between 'medium' vulnerability to the superficial geology, and 'high' vulnerability from soil/surface leaching and the bedrock.

Groundwater and Surface Water Abstractions are noted but all at least 500m from the site.

Hydrology

The searches record no *Water Network* features mapped on the site.

The site lies within the *Surface Water Body Catchment* of the River Neath as defined by the Water Framework Directive (WFD). No WFD *Surface Water Body* is present on the site. The underlying Coal Measures strata is defined as a *WFD Groundwater Body*.

River and Coastal Flooding

The site does not lie in an area at risk of flooding from rivers and/or the sea (RoFRaS).

One *Historical Flood* event is recorded within 250m of the site; where the channel capacity of the River Neath was exceeded in an event in 1979, but over 200m from the site.

The site does not benefit from any *Flood Defences*, *Areas benefiting from Flood Defences*, or *Flood Storage Areas*.

The site does not lie in either *Flood Zone 2* or *Flood Zone 3*.

Surface Water Flooding

The site is modelled to be at *Negligible* risk from surface water flooding, with only a *Negligible* risk within 50m of the site.

Groundwater Flooding

The potential for groundwater flooding, caused by unusually high groundwater levels, is classed as *Moderate*.

Environmental Designations

Of the schedule of Environmental Designations listed, the closest feature is an *Ancient Woodland* 85m north-west of the site. No other designations listed lie within 500m of the site.

Visual and Cultural Designations

Of the schedule of Visual and Cultural Designations listed, four entries for a *Listed Building* are recorded, the closest being a monument in the churchyard of St. Cattwg Church, 210m to the north-east.

Agricultural Designations

The site is not classified as agricultural, although 'Moderate' quality agricultural land; Grade 3b is recorded 130m south of the site.

Habitat Designations

There are no records in relation to Habitat Designations within 250m of the site.

Geology

Records of the geology on site are listed from mapping at a scale of 1:10,000., as discussed in Section 3.1 of this Report. The British Geological Survey mapping at a scale of 1:50,000 is also presented.

Artificial and Made Ground (landscaped ground) is mapped on the site. Superficial deposits are recorded as Glaciofluvial Sheet Deposits (sand and gravel). The *Artificial Ground* is noted to be a mixed flow deposit with a *Low* to *Very High* permeability, with the natural soils likely to be *High* to *Very High* permeability.

There are no records of *Landslip* on the site.

The bedrock on the site is recorded as the *South Wales Lower Coal Measures Formation*, comprising mudstones, siltstones and sandstones from the Brithdir Member. The bedrock permeability is noted as ranging between *Moderate* and *High* by *Fracture Flow*.

The 1:10k scale mapping entry records the coal seams previously discussed some 60m north-west of the site. The closest faulting is recorded some 315m to the west of the site.

Boreholes

British Geological Survey records one borehole on the site itself within their archive in the south-eastern corner of the site. A copy of this is presented in Appendix V. Further borehole records are shown outside the site boundary to the south-west.

Natural Ground Subsidence

The Groundsure report identifies a range of *Natural Ground Subsidence* datasets supplied by the BGS. Each hazard has a 'hazard rating' and corresponding description which are summarised in Table 2 over page.

Table 2: On Site Natural Ground Hazard Summary

Hazard	Hazard Rating	Details
Shrink - Swell Clays	Very Low to negligible	Ground conditions predominantly low plasticity to non-plastic.
Running Sands	Negligible to Very Low	Running sand conditions are not thought to occur or unlikely whatever the position of the water table. No identified constraints on land use due to running conditions unless water table rises rapidly.
Compressible deposits	Negligible	Compressible strata are not thought to occur.
Collapse deposits	Very Low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.
Landslides	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.
Soluble Rocks	Negligible	Soluble rocks either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.

Mining, Ground Workings and Natural Cavities

No natural cavities are recorded to be present on site.

No entries for *Pits* are recorded in the Groundsure searches on the site or in the immediate influencing area.

The closest *Surface Ground Workings* reported are over 130m from the site; as a *pond* and *unspecified quarry*.

Underground Workings are reported at their closest some 280m from the site as an *Air Shaft*. No *Historical Mineral Planning Areas* are identified with no *non-coal mining* or *mining cavity* records listed.

No non-coal mining is recorded for the site. The site is unaffected by other types of mining.

Radon Data

The report states that part of the site is in area where less than 1% of properties are above Radon Affected Action Level. This indicates that no Radon Protection Measures would be required in new-build properties. A site-specific Radon Report is included with the Groundsure Report in Appendix III which confirms this classification.

Estimated Background Soil Chemistry

The report identifies records of the estimated background soil chemistry on the overall site. A summary of these records is presented in Table 3.

Table 3: Estimated Geometric Mean Soil Concentrations (all figures in mg/kg)

Location	Arsenic (As)	Bio accessible Arsenic	Cadmium (Cd)	Chromium (Cr)	Nickel (Ni)	Lead (Pb)	Bio accessible Lead
On site	15 - 25	No Data	2.2 – 3.0	60 – 90	15 - 30	100	60

The Groundsure Report lists information from the BGS in relation to the estimated background chemistry in urban centres. The concentrations quoted vary and for some heavy metals are elevated. No measured urban soil chemistry records are presented.

Railways Infrastructure and Projects

Historical Rail features are recorded near the site, with *Railway Sidings* close to the south/south-western boundary of the site from OS mapping that pre-dates 1967.

5.3 Data Review Summary

Upon review of the geotechnical and geo-environmental data collected from all sources (including geology, site history and the Groundsure report), no significant features regarding historical/current land use have been identified that may have the potential to influence the development.

A summary of the features that could constitute a potential risk should any development of the site be considered are:

- Possible Made Ground on site from the former brewery building demolition, with potentially elevated soil contamination
- Possible ground gases within made ground

6.0 GEO ENVIRONMENTAL CONCEPTUAL SITE MODEL

6.1 Legal Framework for Contaminated Land

Under Part 2A of the Environmental Protection Act 1990, contaminated land is defined as the presence of substances in, on, or under the land in which significant harm or pollution to controlled waters is being caused, or there is significant possibility of such harm or pollution to controlled waters being caused.

Under the Planning regime, land contamination is therefore a material consideration. A Local Authority has the duty to consider potential implications of contamination when it is considering applications for planning permission. A planning authority may require investigations to be undertaken where there is potential contamination or contamination is known to exist at a site before granting planning permission. Alternatively, planning permission may be conditional requiring appropriate investigation and, if necessary, remediation.

The potential risks to this development have been assessed by consideration of the potential contaminant linkages (PCLs) in accordance with DEFRA 2020 Land Contamination Risk Management (LCRM) guidance <https://www.gov.uk/government/publications/land-contamination-risk-management-lcrm>. LCRM enables the application of a risk management process for identifying and remediating contamination through a technical framework.

For a risk to exist there must be a source of contamination, a receptor that may be harmed, and a pathway by which the receptor could be exposed to the contaminant. Only when all three factors are present can a contamination linkage, and consequently an unacceptable risk, exist. A conceptual site model (CSM) considers all three elements and the potential for contaminant linkages that may exist for the site, including:

- Potential sources of contamination on-site and off-site;
- Potential pathways between sources and receptors, natural or man-made;
- Receptors such as humans, controlled water, ecological systems, and property.

The following assessment hierarchy, as provided in the LCRM, is followed to assess the risks to human health and controlled water:

- Tier 1: Preliminary Risk Assessment, including preliminary CSM;
- Tier 2: Generic Quantitative Risk Assessment, using appropriate Generic Assessment Criteria (GAC);
- Tier 3: Detailed Quantitative Risk Assessment, using derived Site-Specific Assessment Criteria (SSACs).

This PRA presents the Tier 1 preliminary CSM.

6.2 Conceptual Site Model

The Conceptual Site Model (CSM) is a representation of the current understanding of the site and its surrounding environment with regards to geology, groundwater, surface waters, and potential contamination on-site and adjacent off-site and any migration pathways.

The potential risks to the proposed development and adjacent land have been assessed by consideration of the potential pollution linkages. For a risk to exist there must be a source of contamination, a receptor that may be harmed, and a pathway by which the receptor could be exposed to the contaminant. Only when all three factors are present (i.e., source, pathway, and receptor) can a pollution linkage, and consequently an unacceptable risk, exist. The CSM considers all three elements and the potential for pollution linkages that may exist. If no linkage is identified then there is considered to be no or negligible risk.

The CSM has been developed considering a residential end use.

Sources

No potential harmful sources of contamination have been identified on or near to the site boundary (off-site). The BGS borehole recorded on the site identifies some 1.2m of 'Fill'. There is therefore a risk of there being made ground present on the site from former land use as a brewery both on and the immediate surrounding area the site. Chemicals may have been used in the brewing process, although the length of time since this was carried out may have led to attenuation of any residues in the ground.

Pathways

Any sources identified have to be able to affect the receptors in some way and typically fall into the following categories assessed for this site:

- Direct contact – including dermal contact and ingestion
- Leaching of contaminants into groundwater and controlled waters
- Consumption by / effect on planting

Receptors

Considering the case of a residential end use, a number of receptors have been identified at risk during and subsequent to the proposed development on-site: Buildings, site workers, end users/residents, groundwater; and in the surrounding areas off-site: Controlled waters.

These can be summarised in tabular form:

Table 4: Summary Source-Pathway-Receptor Model

Source		Pathway		Receptor	
S1	Made Ground	P1	Direct Contact	R1	Property: New structures
		P2	Groundwater/Leaching	R2	Site Workers
		P3	Ground Gases	R3	End Users
				R4	Groundwater/Controlled Waters

The Conceptual Site Model can therefore be developed as tabulated over page.

Table 5: Conceptual Site Model Summary

Sources		
S1	Soils on Site	Made Ground could be present on site that could be potentially contaminated. Ground gases could be generated from any made ground depending on its constituent parts and any organic or contaminated soils present.
Pathways		
P1	Direct Contact	Direct contact with soils will possibly occur during any development of the site by Groundworkers.
P2	Groundwater	Percolation of surface water and run-off may permeate into the ground and mobilise any leachable contaminants, if present.
P3	Ground Gases	Migration of potentially harmful ground gases affecting any new buildings should be determined by a gas risk assessment
Receptors		
R1	Property	Any buildings should be designed such that any concentrations of any contaminants found that may affect building materials are accommodated for in the design.
R2	Site Workers	Workers may come into contact with the soils on site. Therefore, good practice and correct handling protocols should be established as part of any Construction Phase Plan use of the correct PPE and welfare arrangements provided to reduce and minimise any potential contact with the soils.
R3	End Users	Post development, there should be no pathways present to allow direct contact of pre-existing soils on site by residents.
R4	Controlled Waters	No controlled waters are expected to be impacted by any development of the site. Any drainage strategy should ensure measures are in place to mitigate percolation of waters through any made ground revealed into the ground or water courses.

The summary conclusion of the Conceptual Site Model in relation to any development of the site is that site-specific investigation should be required to develop the CSM and if necessary a remedial strategy pertinent to the development proposed.

7.0 CONCLUSIONS AND RECOMMENDATIONS

Following the desk-based Preliminary Risk Assessment and Coal Mining Risk Assessment, the following elements have been identified:

7.1 Geotechnical Summary:

- The geological map for the area indicates the site is underlain by Coal Measures bedrock.
- Superficial deposits comprising Glaciofluvial sands and gravels mantle the site.
- The site has a negligible/very low and low risk of geological hazards such as from landslides, shrink-swell clays, collapsible deposits and running sands, compressible ground and ground dissolution of soluble rocks.
- No recorded or potential unrecorded shallow workings are concluded to affect the site, according to Coal Authority records.
- Coal seams outcrop outside the site so the risk of unrecorded surface workings at outcrop is negligible.
- No mine entries affect the site.

7.2 Environmental Issues:

- One former industrial land use has been identified as a brewery that only encroaches partially on the site.
- Ground gas emissions from potential Made Ground on site sources that contain organic or putrescible material could be a risk to future site end users.
- The GroundSure® Enviro+Geo Insight® report states that No Radon protective measures would be necessary for the development.
- The South Wales Middle Coal Measures Formation is classified as a 'Secondary A' aquifer.
- The Enviro+Geo Insight® report indicates a very low risk of flooding for the site.

7.3 Evaluation and Recommendations

Some potential geotechnical and environmental issues have been identified within this study. The following evaluations and subsequent recommendations are made:

- In relation to any environmental/contaminated land issues, the desk study has identified the possibility of Made Ground to be present on-site and therefore a potential source of land contamination that may pose a risk to future development of the site. This could be mitigated by site-specific investigation and assessment.
- It is recommended that any ground investigation should include a baseline screening of potential contamination as regards human health risks and potential leachable elements, and to identify suitable founding strata determine a suitable founding option.
- Owing to the potential of made ground being present, and depending on the composition of the soils, a ground gas risk assessment may be required.
- The risk to the site from former mining activity is concluded to be Low with no special precautions considered necessary.

8.0 REFERENCES

British Geological Survey:

- Geological Survey Sheet SS79NE, 1:10,560 (1970)
- BGS Geology of Britain Viewer: <http://mapapps.bgs.ac.uk/geologyofbritain/home.html>

Environmental and Ground Stability:

- GroundSure® Enviro+Geo-Insight® Report (Ref: HMD-213- NIJ-I22-7R5-6RH)
- GroundSure® Radon Check (Ref. HMD-213- KN9-T24-7HB-AOP)

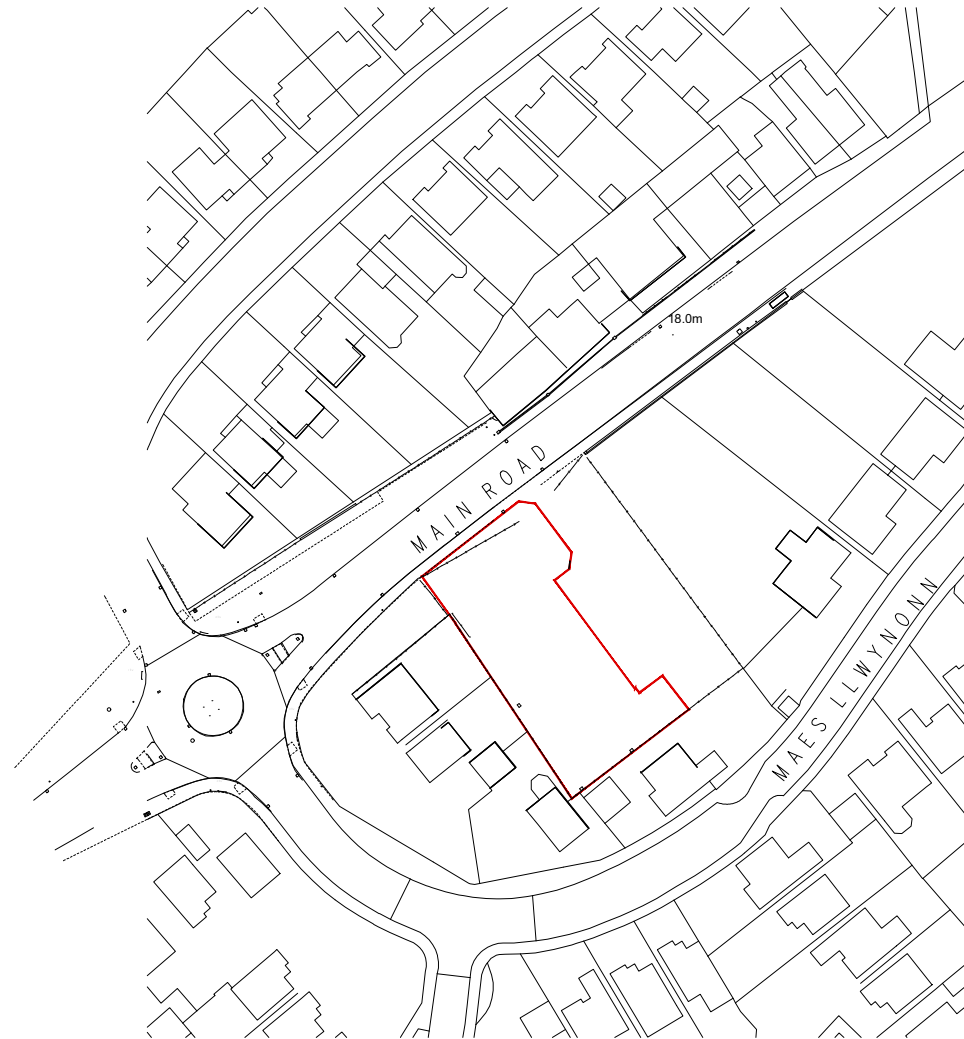
Coal Authority

- Coal Mining Report (Ref: MR-51003402049001)
- Interactive Mapping Portal: <http://mapapps2.bgs.ac.uk/coalauthority/home.html>

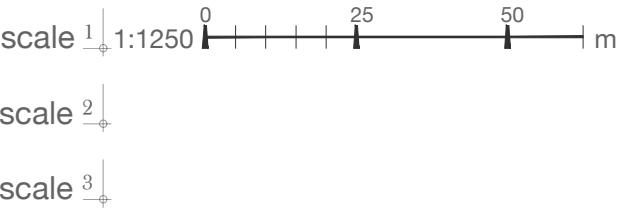
Ordnance Survey Plans:

- Collection of Historical Plans from 1878 to 2024, at 1:1,250, 1:2,500, 1:10,560 and 1:10,000 scale. GroundSure® Map Insight® Report (Ref: HMD-213-WW7-88W-KYZ-BHO_smallScale & HMD-213-WW7-88W-KYZ-BHO_largeScale)

APPENDIX I – CLIENT SITE PLANS



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c v 3 2 4 a e
+44 (0)1926 291010

dwg no	Ra	3369	s3	006
client	EI Group			
project	Crown and Sceptre Cadoxton Neath			
title	land registry plan			
date	04.23	scale	1:1250	
drawn	dr	check	dr	size A3
studio@rickett.co.uk				

spatial

n o r t h

3

stage



- PUB PARKING
- RESIDENTIAL PARKING
- HARD LANDSCAPING
- SOFT LANDSCAPING

TABLE OF UNIT DIMENSIONS

UNIT 1 FOOTPRINT	HEIGHT
MAX: 12.0M (depth) X 5.0M (frontage)	9M
MIN: 5.0M (depth) X 5.0M (frontage)	7M
UNIT 2 FOOTPRINT	HEIGHT
MAX: 12.0M (depth) X 5.0M (frontage)	9M
MIN: 5.0M (depth) X 5.0M (frontage)	7M

f	07.11.23	parking amended
e	15.09.23	parking amended
d	29.06.23	scale parameters amended
c	27.06.23	scale parameters amended
b	06.06.23	scale parameters and parking amended
a	17.04.23	general amendments

dwg no	Ra	3369	s3	002	f
client	El Group				
project	Crown and Sceptre Cadoxton Neath				
title	general siteplan				
date	04.23	scale	1:200		
drawn	dr	check	dr	size	A2

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APPENDIX II – HISTORICAL ORDNANCE SURVEY MAPS



Groundsure

INSIGHTS

HISTORICAL MAP PACK LEGEND

COUNTY SERIES & NATIONAL GRID 1:10,560 & 1:10,000

Information present on these legends is sourced from the same Ordnance Survey mapping as the maps used in this product.

If you have a query regarding any of the maps provided please contact Groundsure's technical helpline. We will endeavour to answer any queries you may have.

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COUNTY SERIES 1:10,560

VEGETATION



Fir Wood



Mixed Wood



Orchard



Rough Pasture



Marsh



Deciduous Wood



Brushwood



Reeds

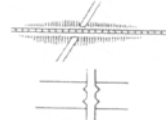


Furze

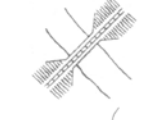


Osiers

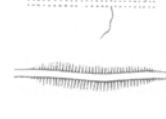
ROADS



Railway over Road



Road over River or Canal



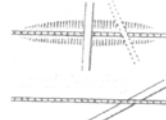
Railway over River



Road over Stream



Raised Road



Road over Railway



Level Crossing



Road over Stream



Sunken Road

RAILWAYS



Double Lines of Railway



Single Lines of Railway and Tramway

GENERAL FEATURES



Gravel Pit



Quarry



Other Pits



Sand Pit



Shingle



Antiquities, Site of

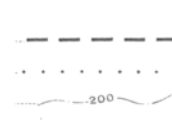


Arrow, showing direction of flow of water



Trigonometrical Station

BOUNDARIES



County Boundary



Parish Boundary



Contours



Parliamentary Division Boundary



Union Boundary



Rural District Boundary

NATIONAL GRID 1:10,000 & 1:10,560

HEIGHTS (METRES)

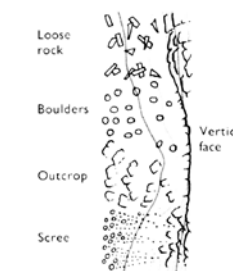
Values are given in metres above mean sea level at Newlyn.

Surface heights determined by ground survey 163m

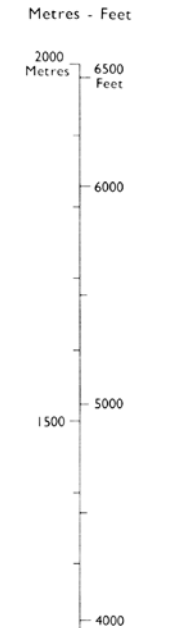
Bench marks and their values are shown on large scale maps, and bench mark lists containing fuller and possibly later levelling information are obtainable from the Director General, Ordnance Survey.

Contours are at 5 metres vertical interval.

ROCK FEATURES



CONVERSION SCALE



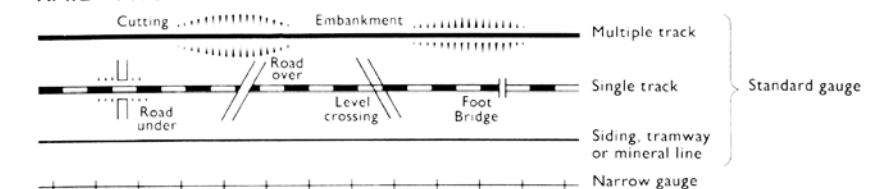
ABBREVIATIONS

BP,BS	Boundary Post or Stone	PO	Post Office
Ch	Church	PC	Public Convenience
CH	Club House	PH	Public House
F Sta	Fire Station	S	Stone
FB	Foot Bridge	Spr	Spring
Fn	Fountain	TCB	Telephone Call Box
GP	Guide Post	TCP	Telephone Call Post
MP,MS	Mile Post or Stone	TH	Town Hall
P	Pole or Post	W	Well
Pol Sta	Police Station	Y	Youth hostel

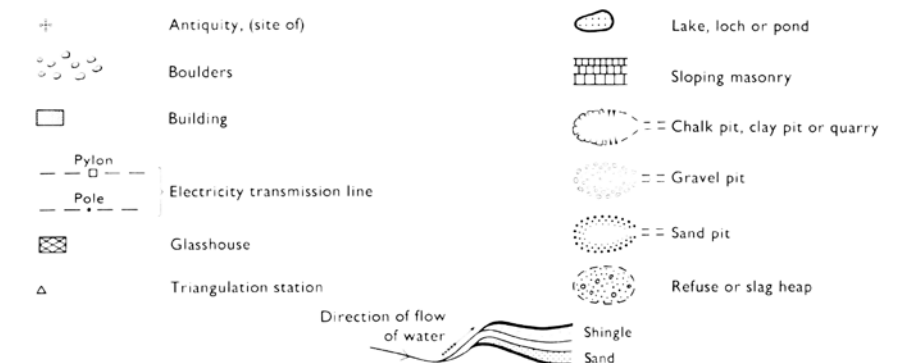
ROADS



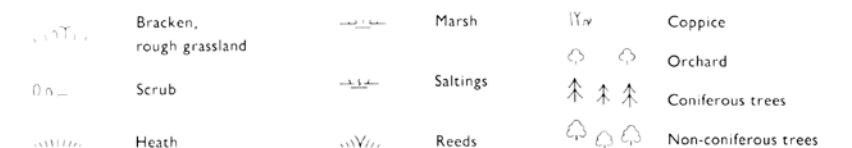
RAILWAYS



GENERAL FEATURES



VEGETATION



In some areas bracken (T) and rough grassland (T) are shown separately.

Site Details:

FORMER CROWN AND
SCEPTRE, MAIN ROAD,
CADOXTON, SA10 8AP

Client Ref: Q1463
Report Ref: HMD-213-WW7-88W-KYZ-BHO
Grid Ref: 275388, 198408

Map Name: County Series

Map date: 1877

Scale: 1:10,560

Printed at: 1:10,560



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

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



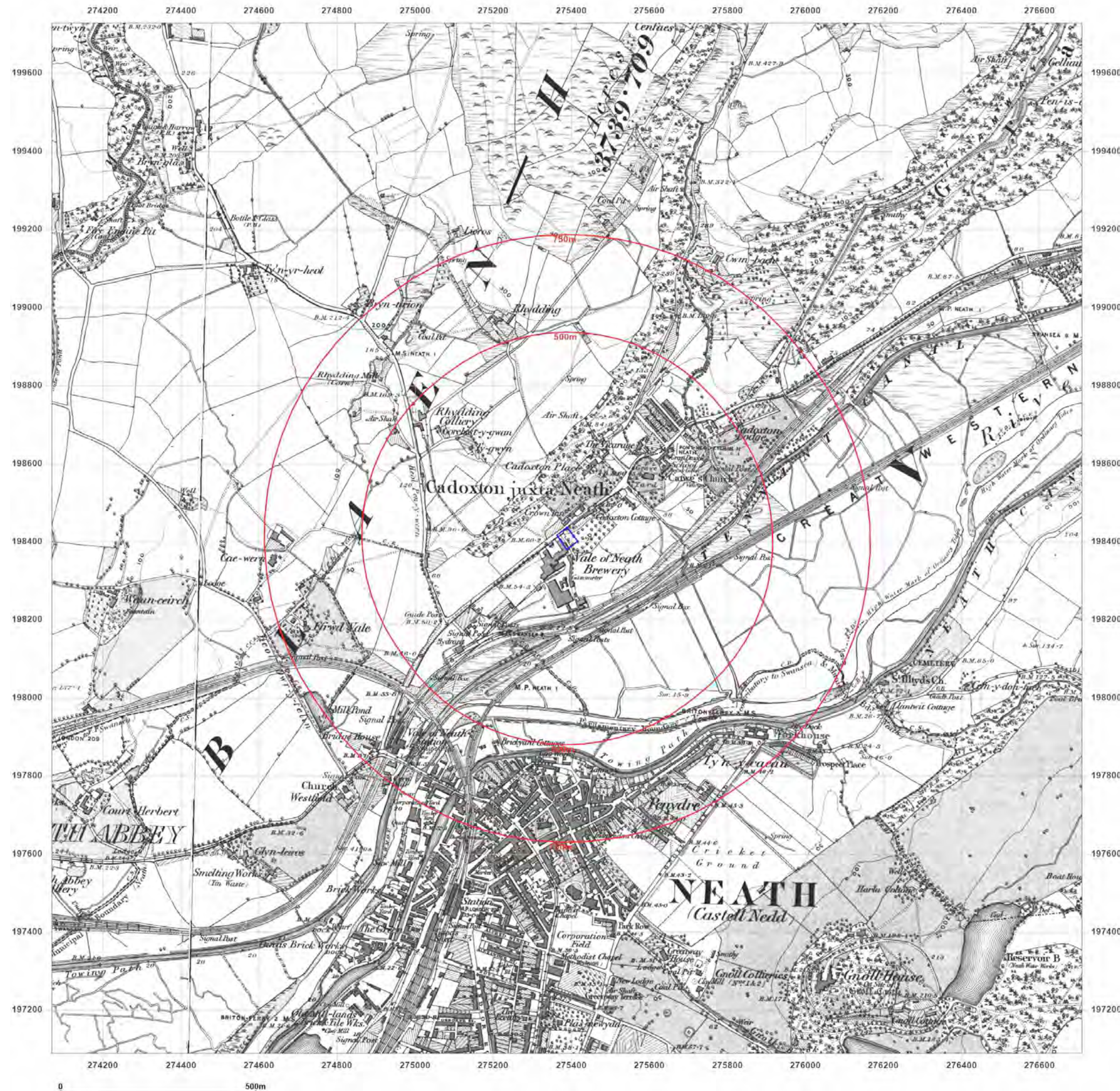
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CADOXTON, SA10 8AP

Client Ref: Q1463
Report Ref: HMD-213-WW7-88W-KYZ-BHO
Grid Ref: 275388, 198408

Map Name: County Series

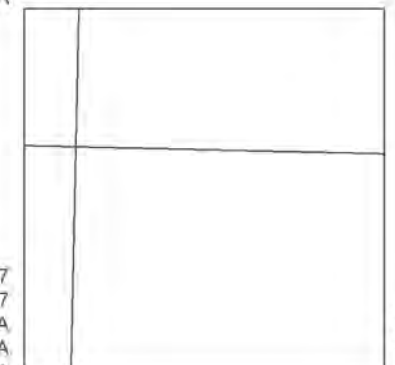
Map date: 1897

Scale: 1:10,560

Printed at: 1:10,560



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Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1877
Revised 1897
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1877
Revised 1897
Edition N/A
Copyright N/A
Levelled N/A



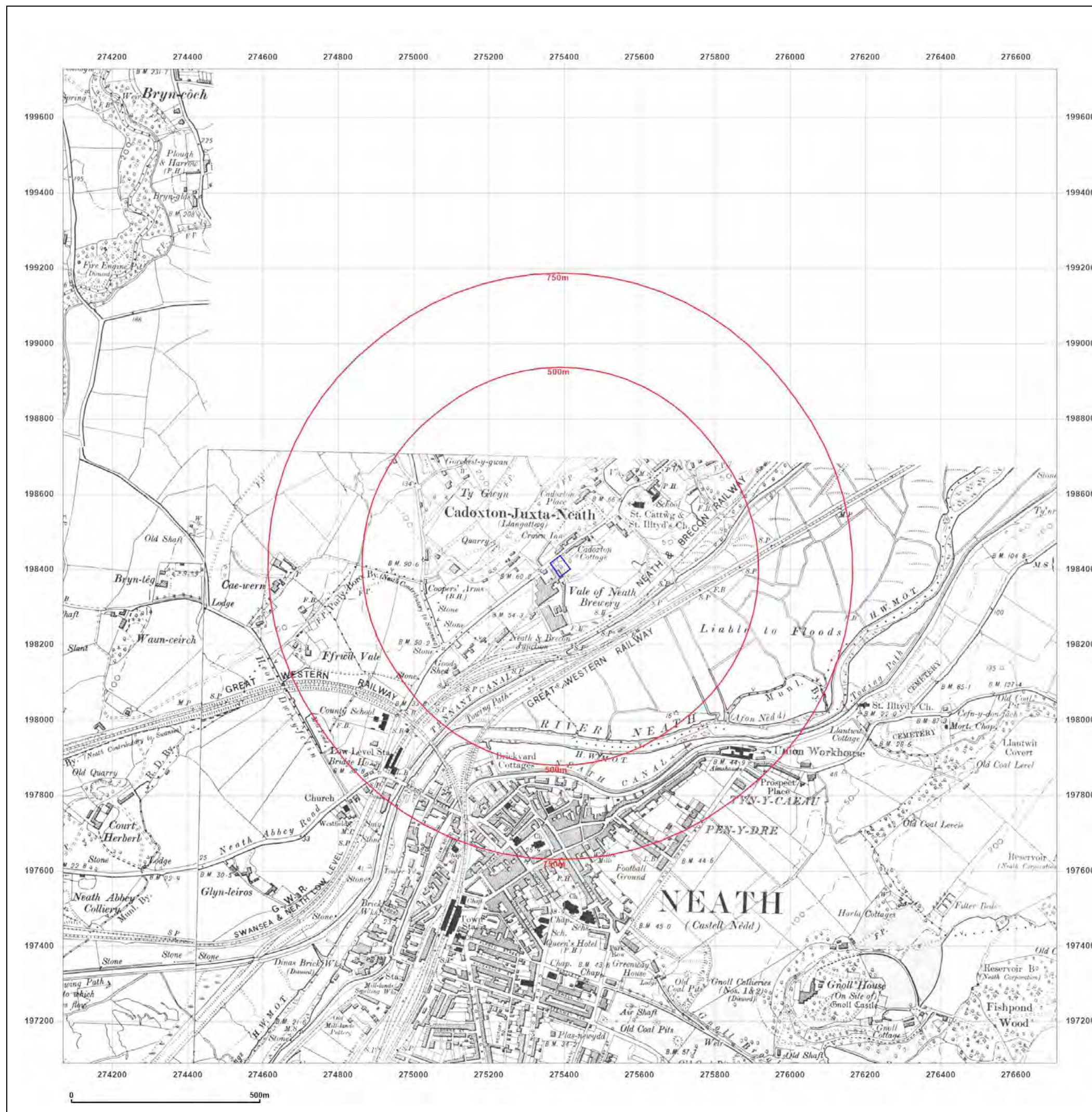
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CADOXTON, SA10 8AP

Client Ref: Q1463
Report Ref: HMD-213-WW7-88W-KYZ-BHO
Grid Ref: 275388, 198408

Map Name: County Series

Map date: 1914

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1877
Revised 1914
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1875
Revised 1914
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1876
Revised 1914
Edition 1914
Copyright N/A
Levelled N/A

Surveyed 1876
Revised 1914
Edition N/A
Copyright N/A
Levelled N/A



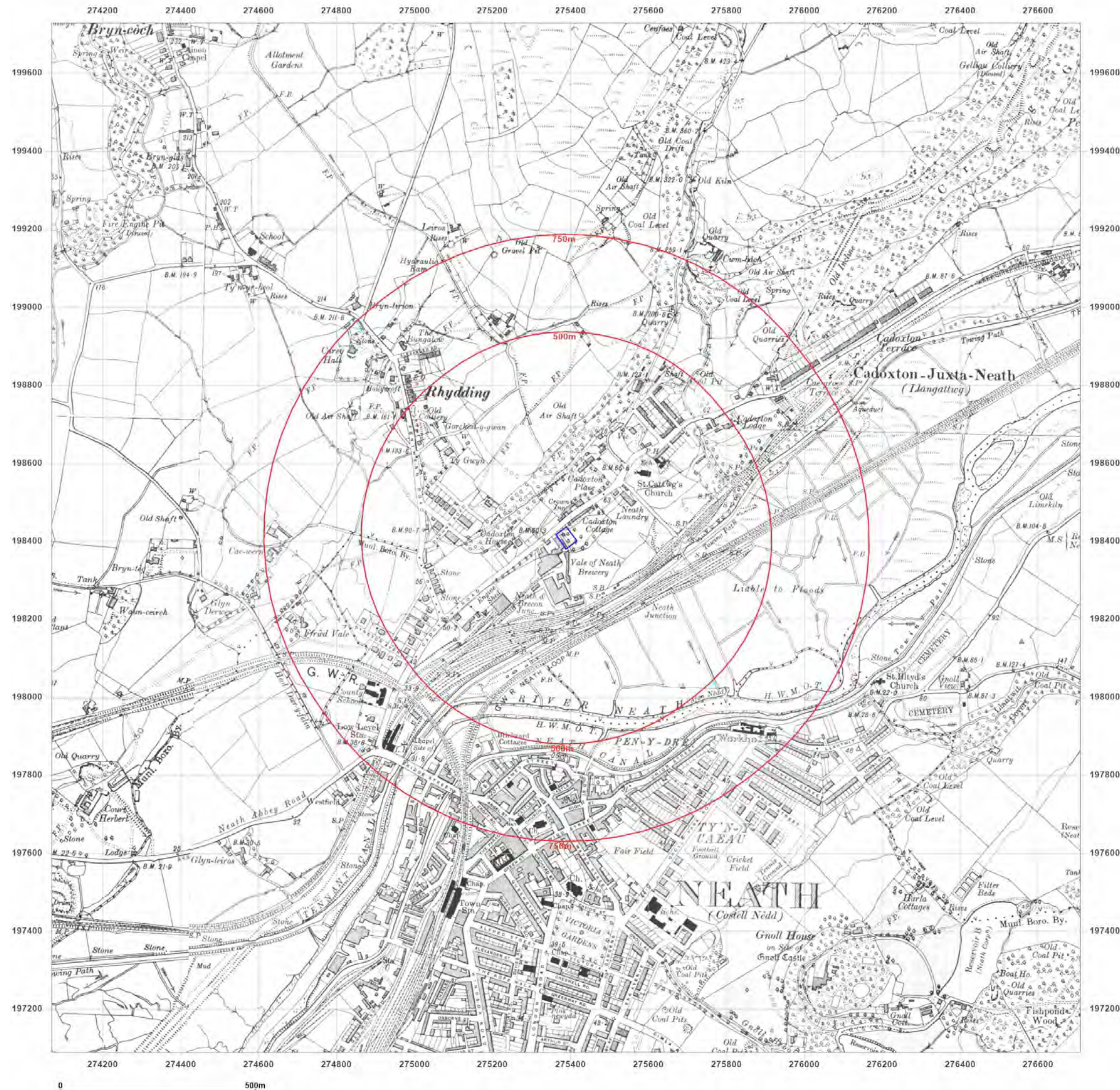
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CADOXTON, SA10 8AP

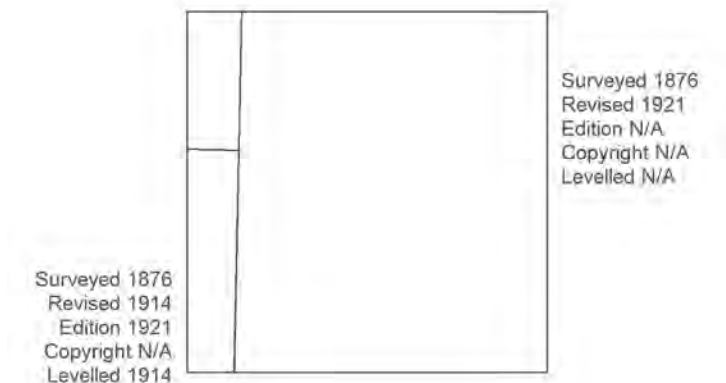
Client Ref: Q1463
Report Ref: HMD-213-WW7-88W-KYZ-BHO
Grid Ref: 275388, 198408

Map Name: County Series

Map date: 1921

Scale: 1:10,560

Printed at: 1:10,560



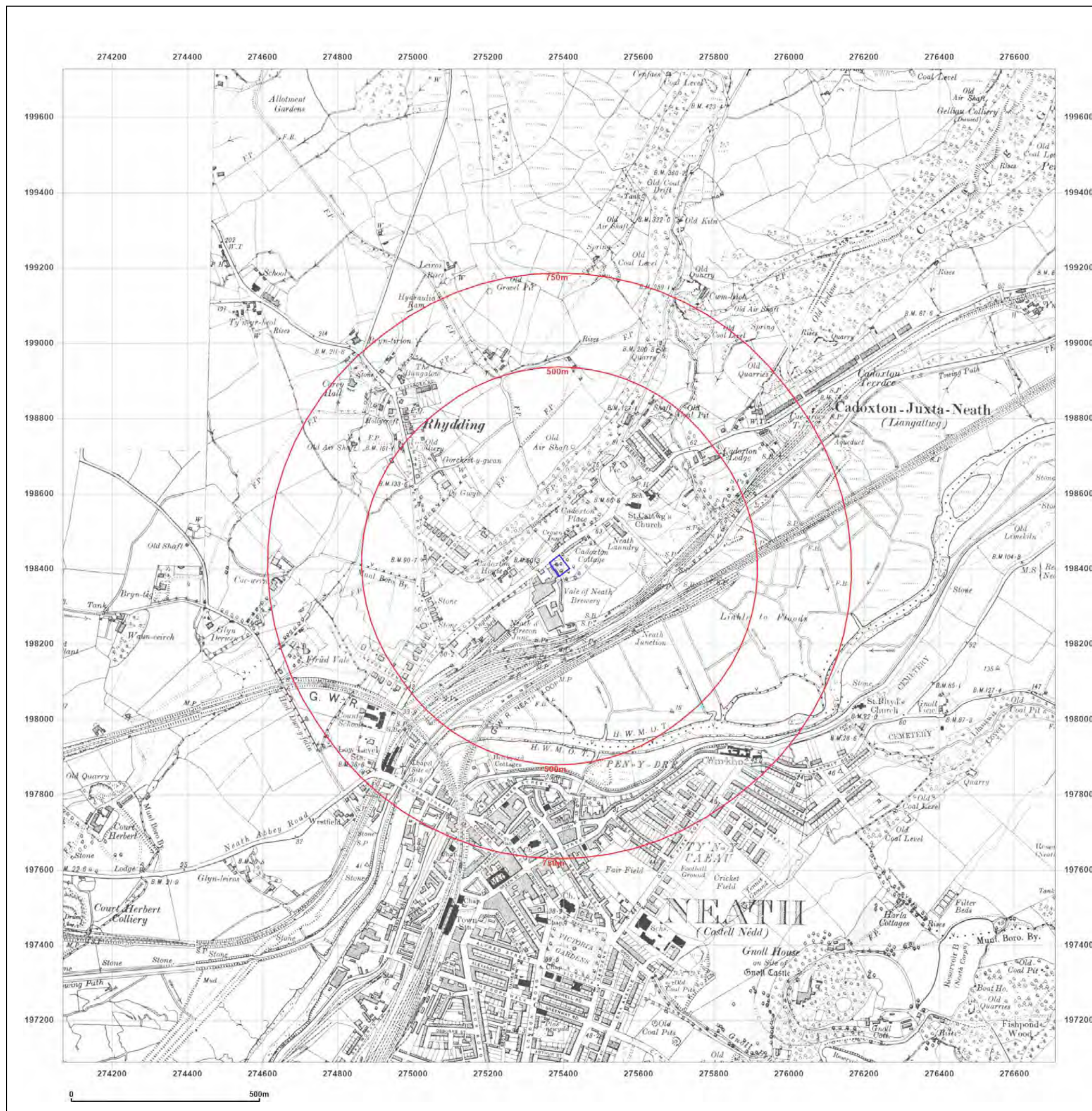
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CADOXTON, SA10 8AP

Client Ref: Q1463
Report Ref: HMD-213-WW7-88W-KYZ-BHO
Grid Ref: 275388, 198408

Map Name: County Series

Map date: 1935-1938

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1877
Revised 1938
Edition 1938
Copyright N/A
Levelled N/A

Surveyed 1875
Revised 1935
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1876
Revised 1936
Edition N/A
Copyright N/A
Levelled N/A

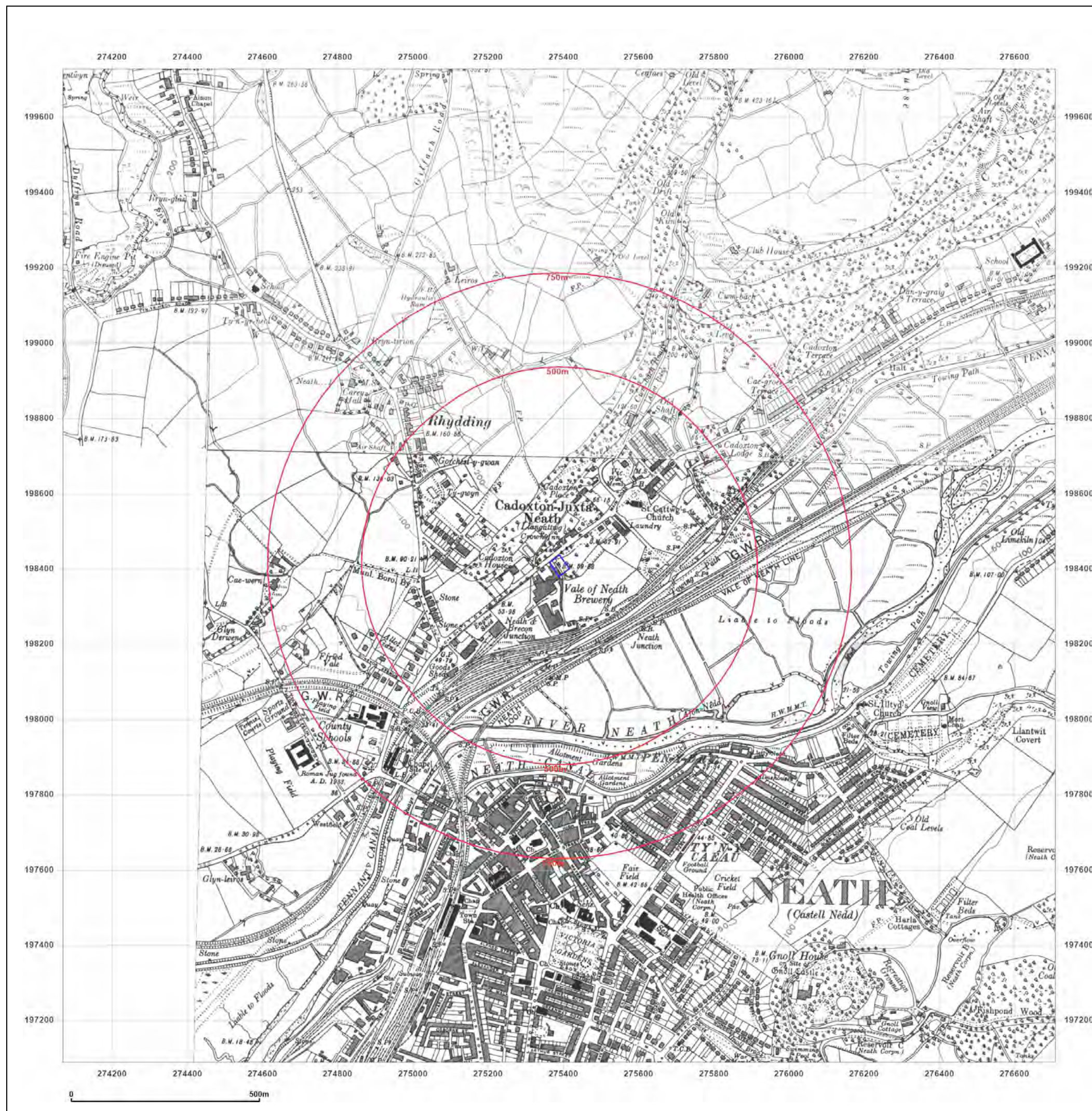


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Client Ref: Q1463
Report Ref: HMD-213-WW7-88W-KYZ-BHO
Grid Ref: 275388, 198408

Map Name: County Series

Map date: 1948

Scale: 1:10,560

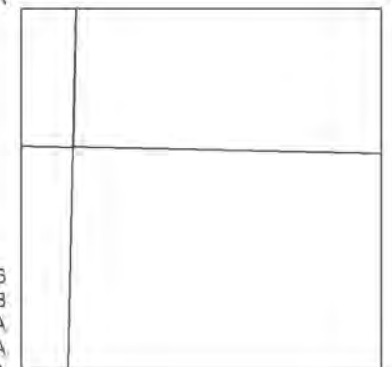
Printed at: 1:10,560



Surveyed 1877
Revised 1948
Edition N/A
Copyright N/A
Levelled N/A

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

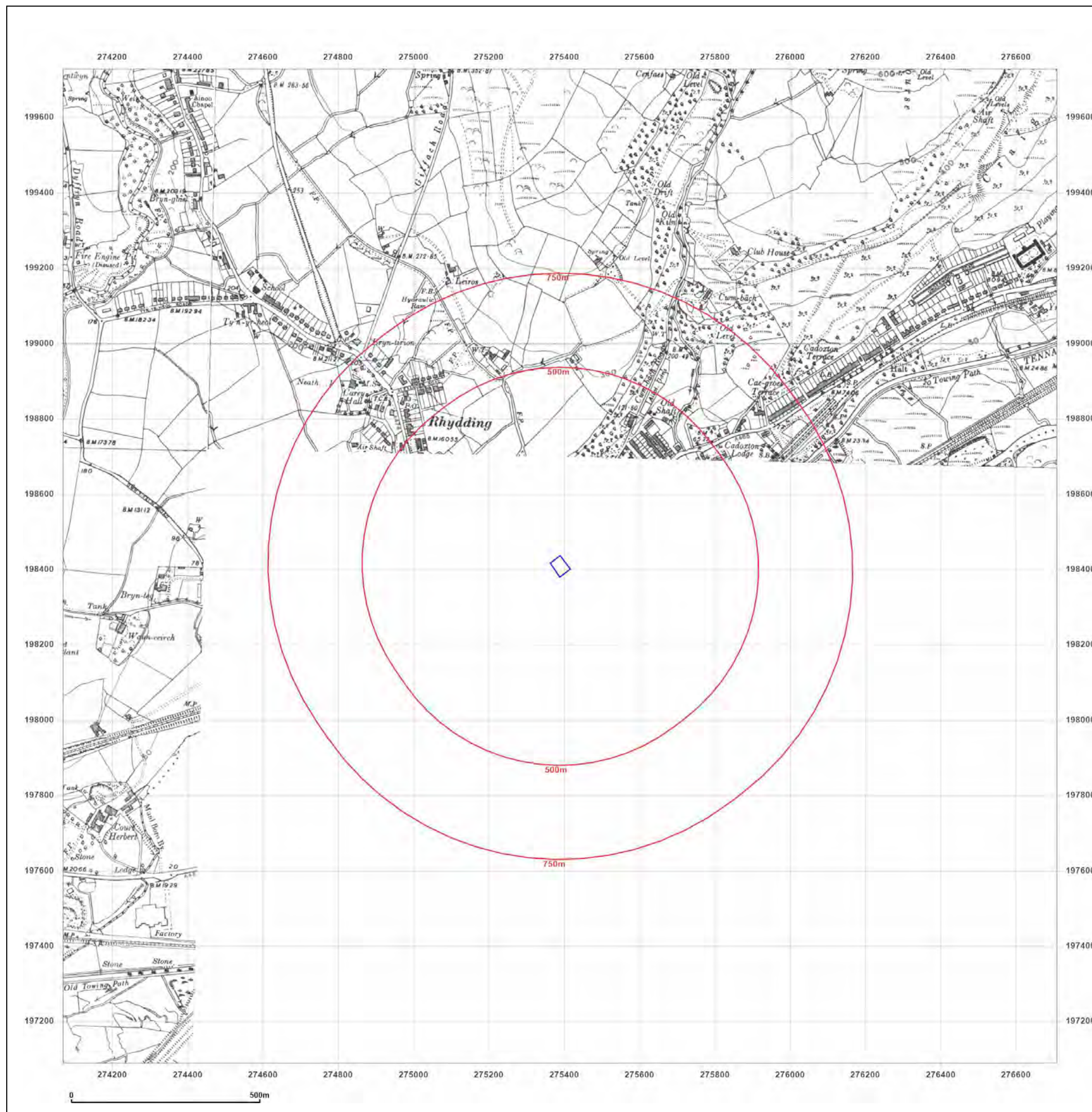


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CADOXTON, SA10 8AP

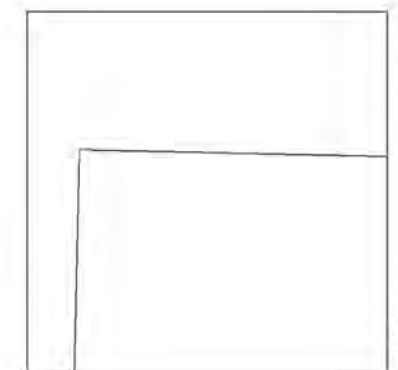
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Report Ref: HMD-213-WW7-88W-KYZ-BHO
Grid Ref: 275388, 198408

Map Name: County Series

Map date: 1951

Scale: 1:10,560

Printed at: 1:10,560



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

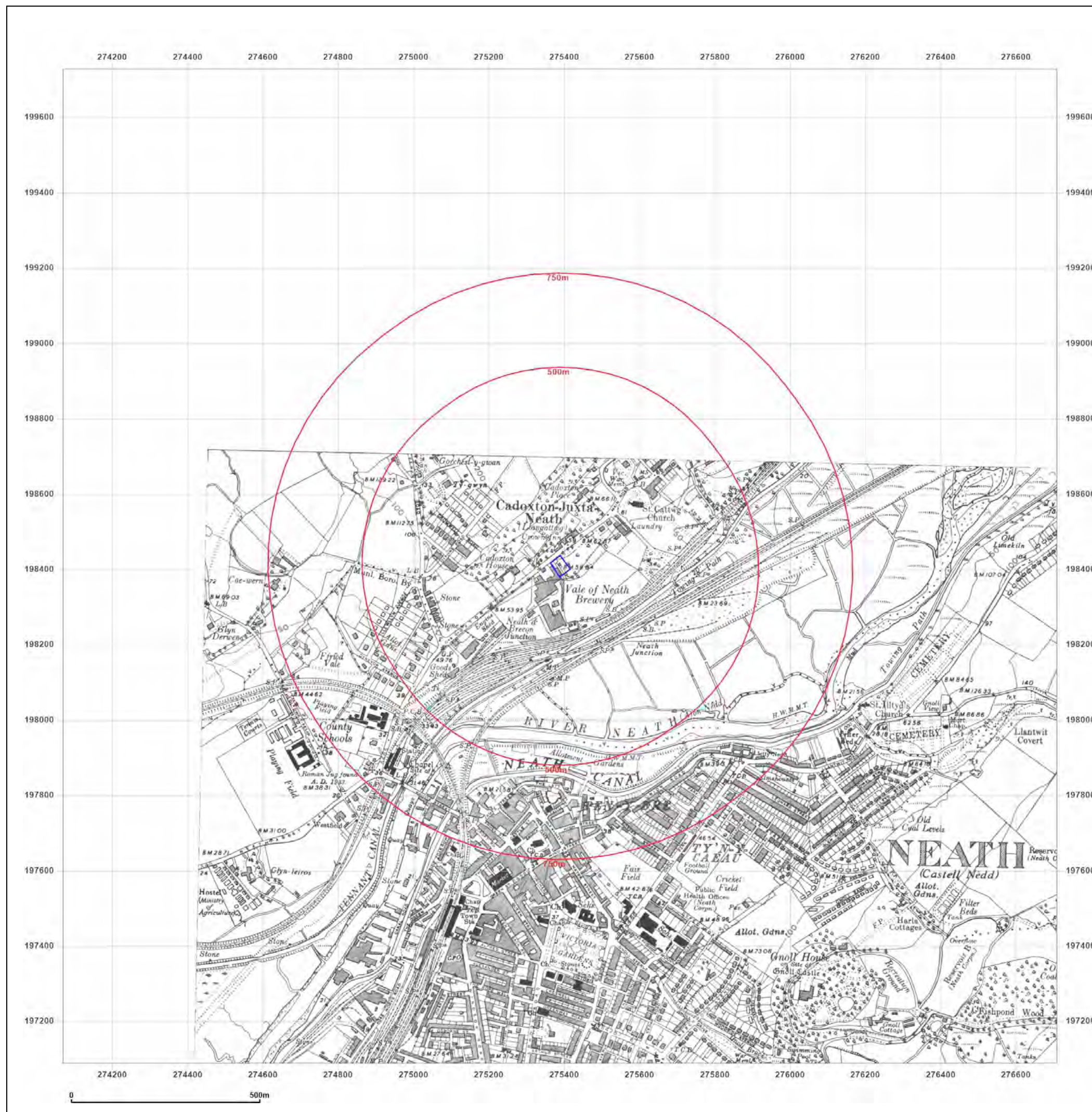


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CADOXTON, SA10 8AP

Client Ref: Q1463
Report Ref: HMD-213-WW7-88W-KYZ-BHO
Grid Ref: 275388, 198408

Map Name: Provisional

Map date: 1962-1964

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1877
Revised 1964
Edition N/A
Copyright N/A
Levelled N/A

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



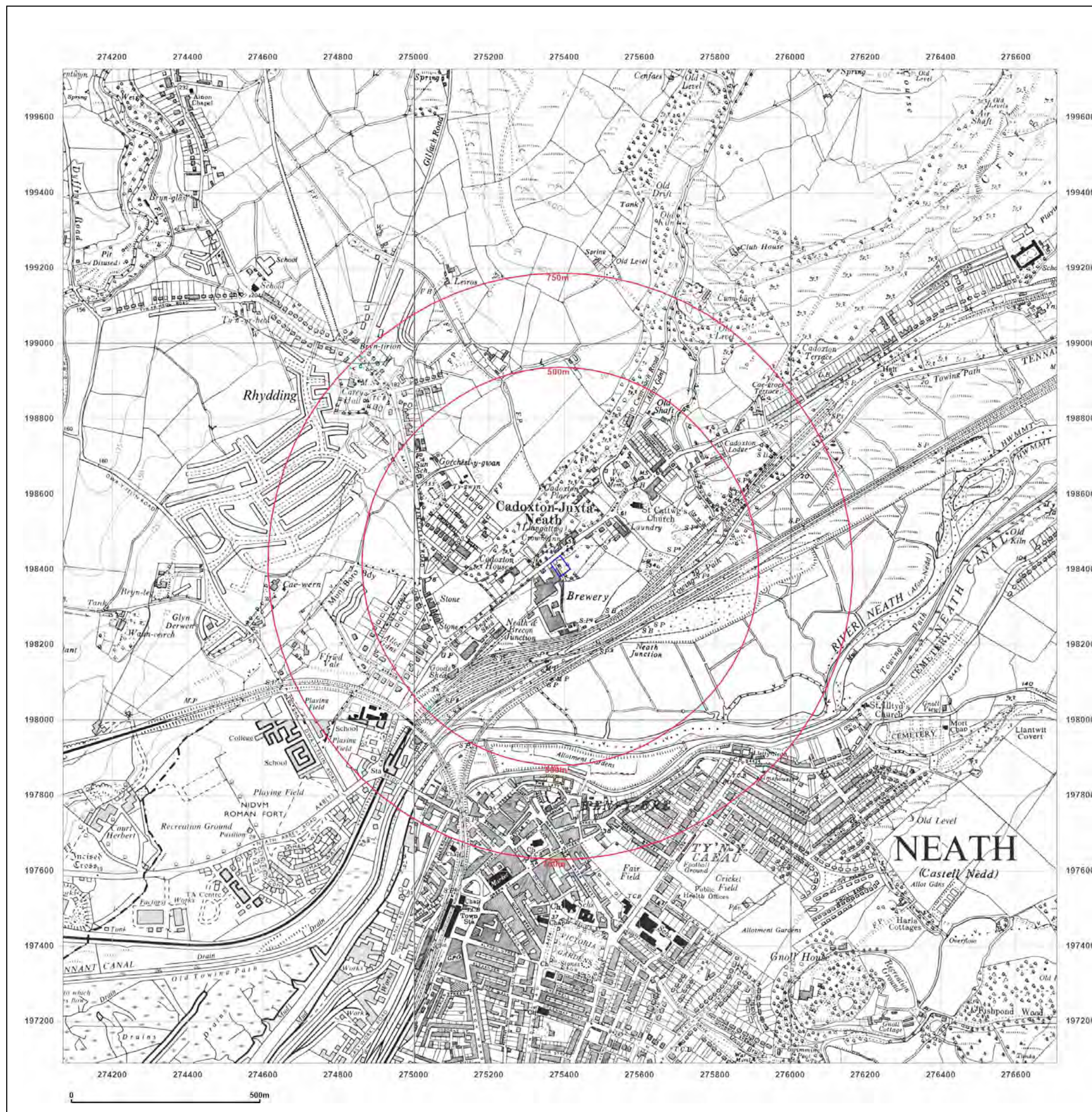
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Client Ref: Q1463
Report Ref: HMD-213-WW7-88W-KYZ-BHO
Grid Ref: 275388, 198408

Map Name: Provisional

Map date: 1967

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1962
Revised 1967
Edition N/A
Copyright 1965
Levelled N/A

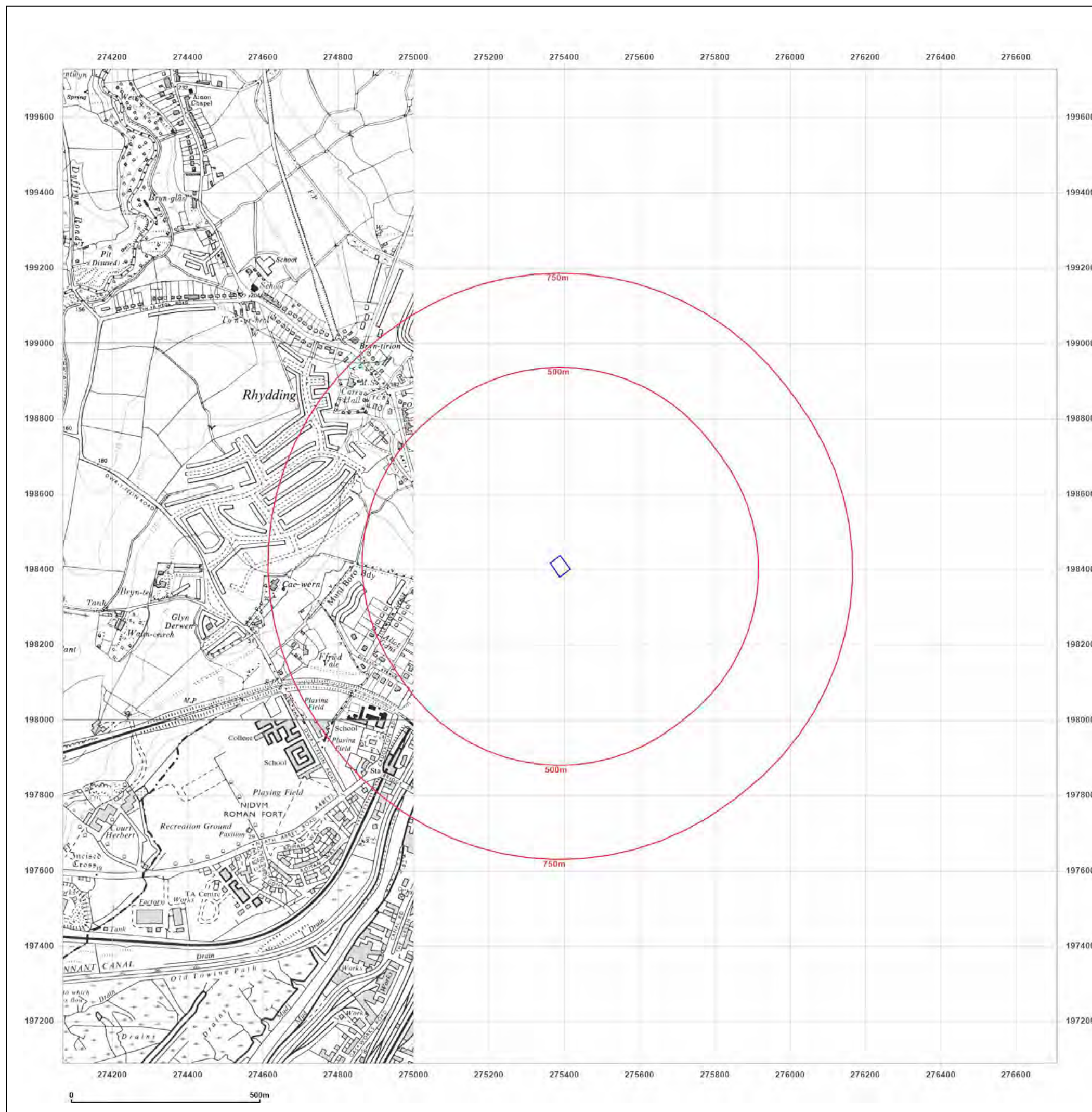


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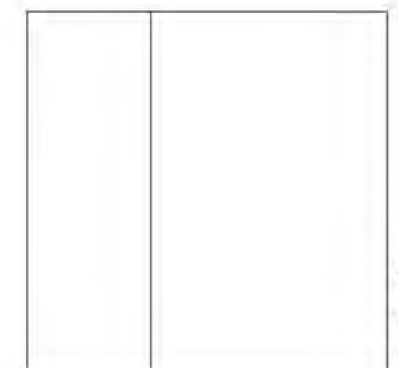
Client Ref: Q1463
Report Ref: HMD-213-WW7-88W-KYZ-BHO
Grid Ref: 275388, 198408

Map Name: National Grid

Map date: 1973

Scale: 1:10,000

Printed at: 1:10,000



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

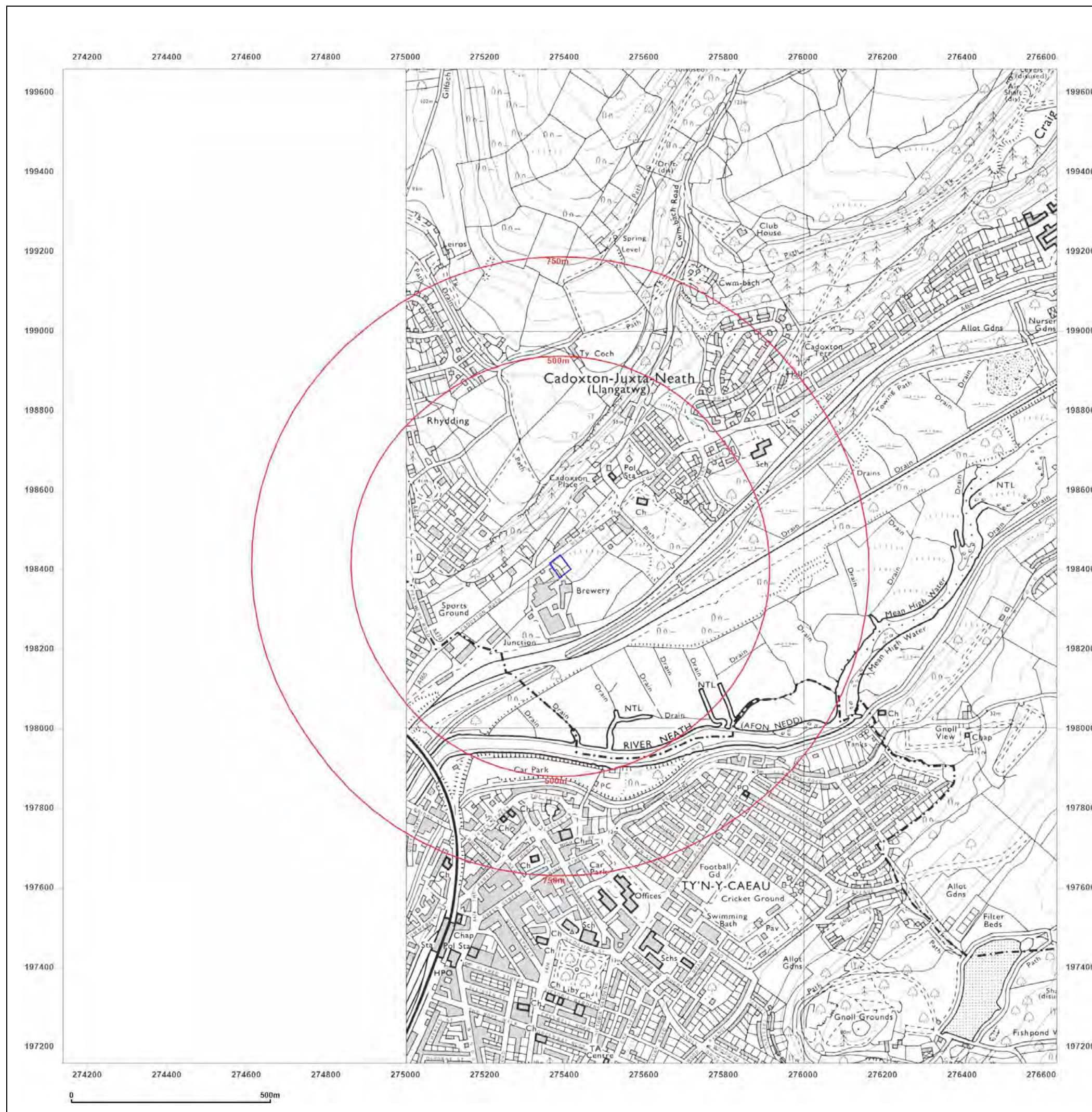


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CADOXTON, SA10 8AP

Client Ref: Q1463
Report Ref: HMD-213-WW7-88W-KYZ-BHO
Grid Ref: 275388, 198408

Map Name: National Grid

Map date: 1980-1982

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1976
Revised 1980
Edition N/A
Copyright 1980
Levelled 1978

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

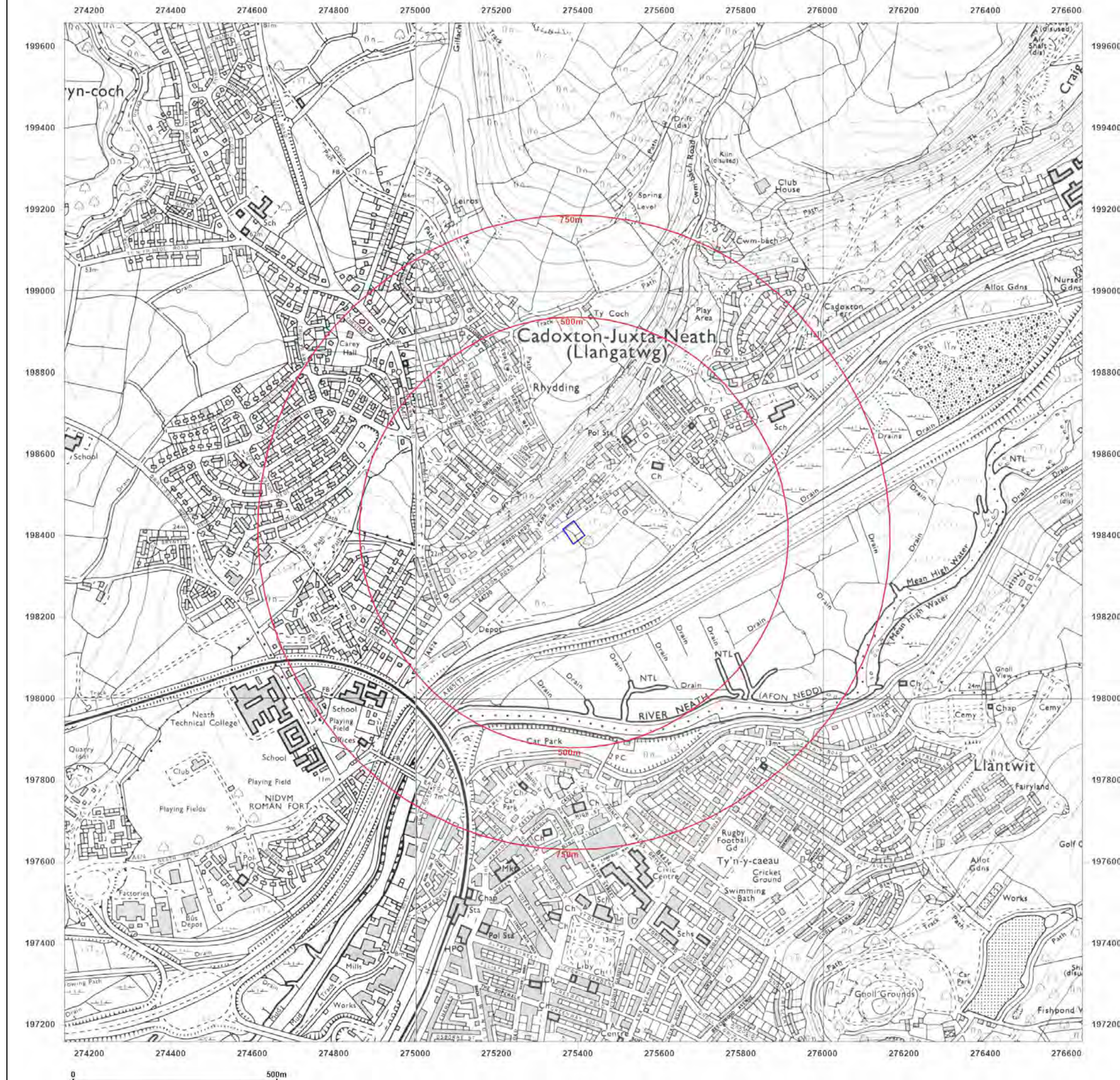


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CADOXTON, SA10 8AP

Client Ref: Q1463
Report Ref: HMD-213-WW7-88W-KYZ-BHO
Grid Ref: 275388, 198408

Map Name: National Grid

Map date: 1991-1992

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1989
Revised 1992
Edition N/A
Copyright N/A
Levelled N/A

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

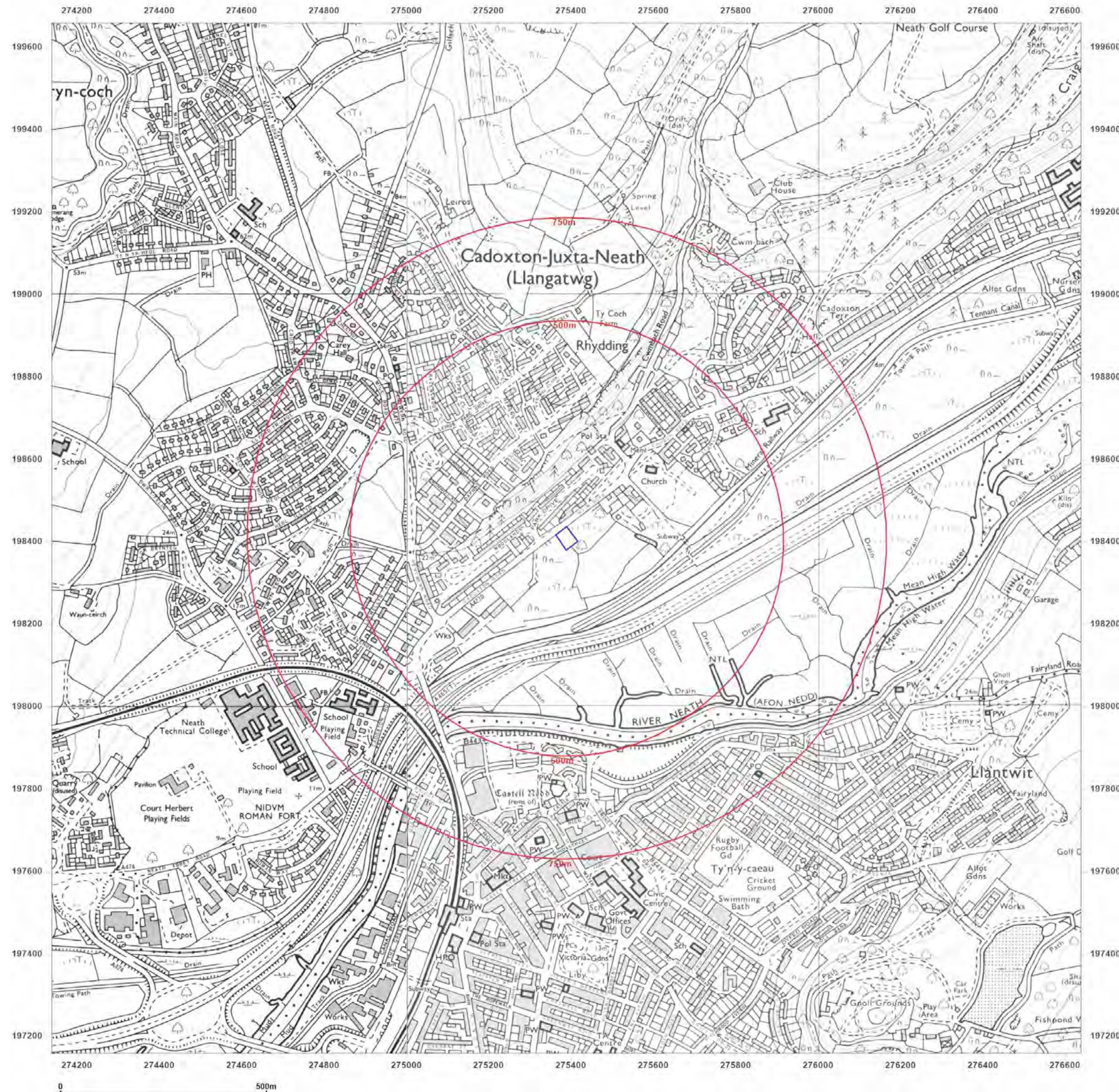


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Site Details:

FORMER CROWN AND
SCEPTRE, MAIN ROAD,
CADOXTON, SA10 8AP

Client Ref: Q1463
Report Ref: HMD-213-WW7-88W-KYZ-BHO
Grid Ref: 275388, 198408

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000

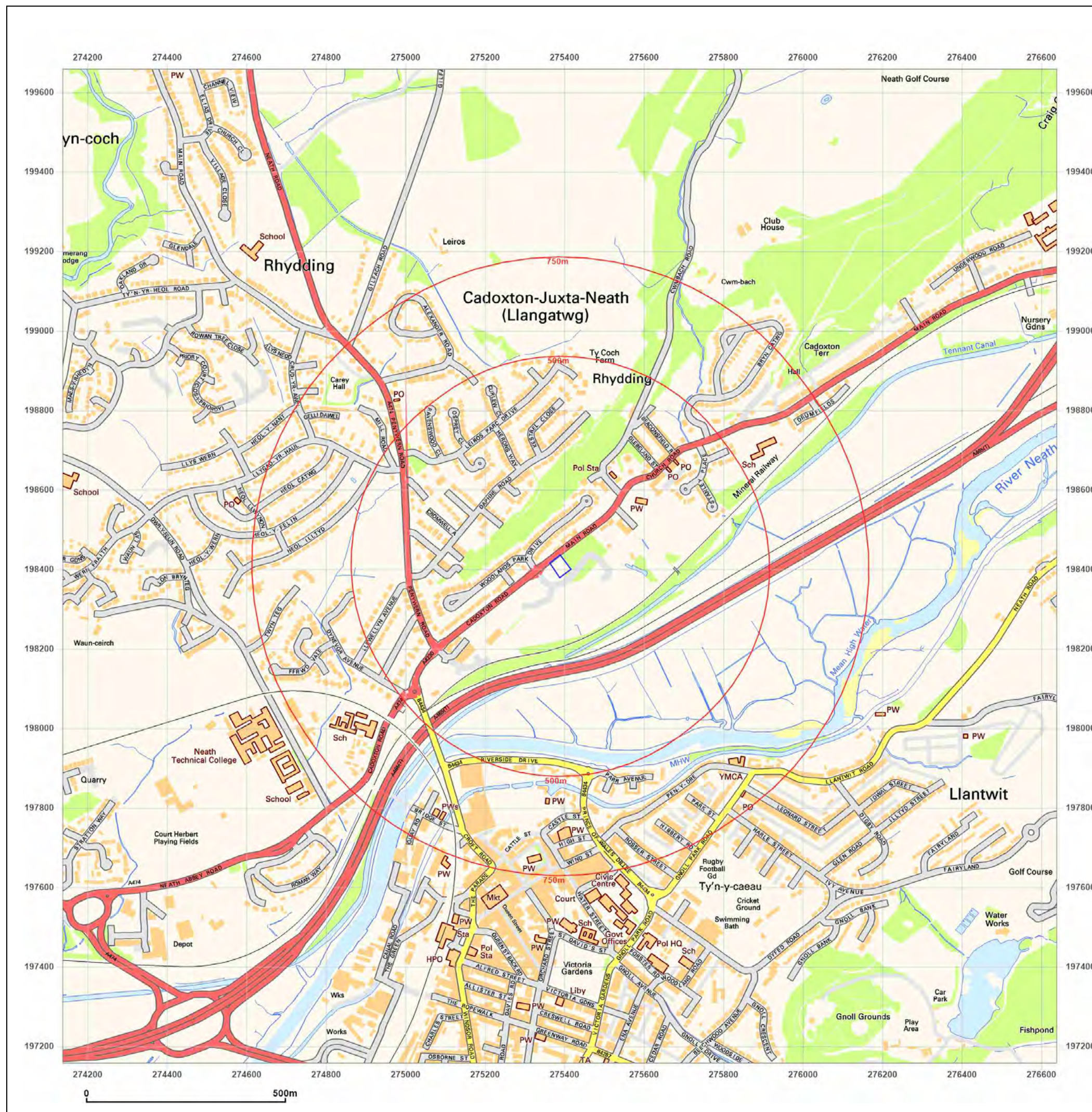


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Site Details:

FORMER CROWN AND
SCEPTRE, MAIN ROAD,
CADOXTON, SA10 8AP

Client Ref: Q1463
Report Ref: HMD-213-WW7-88W-KYZ-BHO
Grid Ref: 275388, 198408

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000

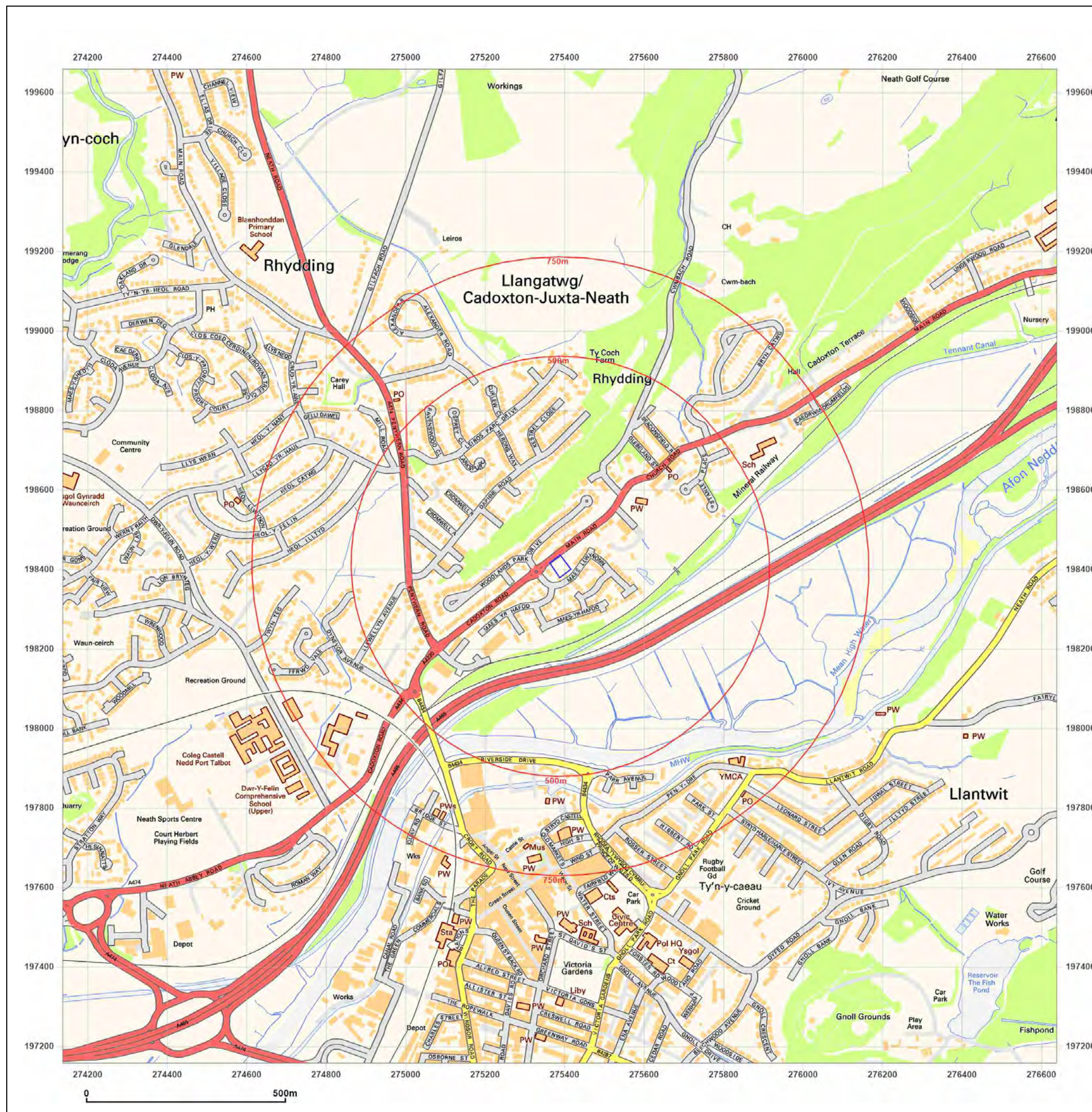


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Site Details:

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CADOXTON, SA10 8AP

Client Ref: Q1463
Report Ref: HMD-213-WW7-88W-KYZ-BHO
Grid Ref: 275388, 198408

Map Name: National Grid

Map date: 2024

Scale: 1:10,000

Printed at: 1:10,000

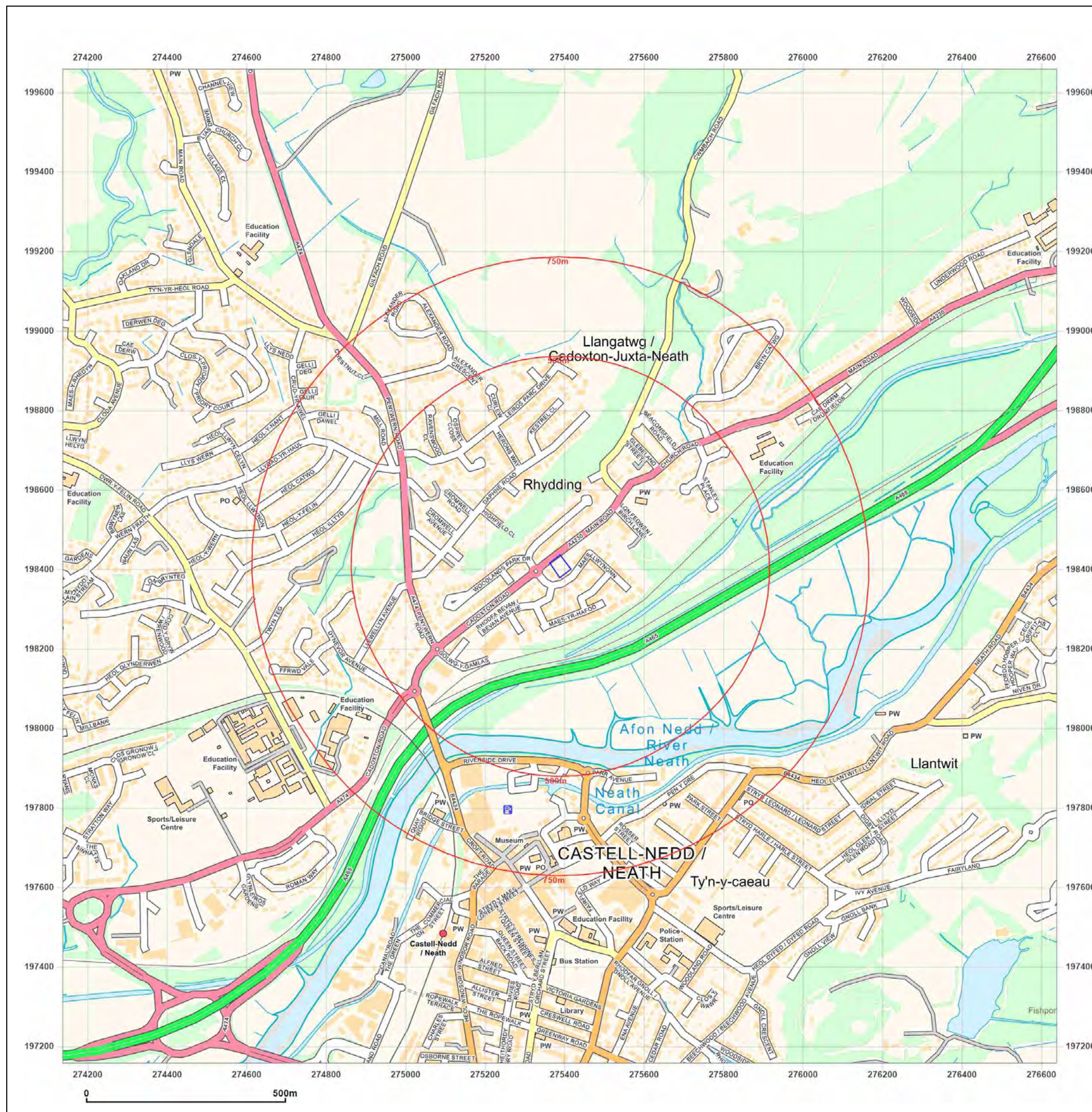


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INSIGHTS

HISTORICAL MAP PACK LEGEND

COUNTY SERIES
1:1,2500
NATIONAL GRID
1:1,250 & 1:2,500

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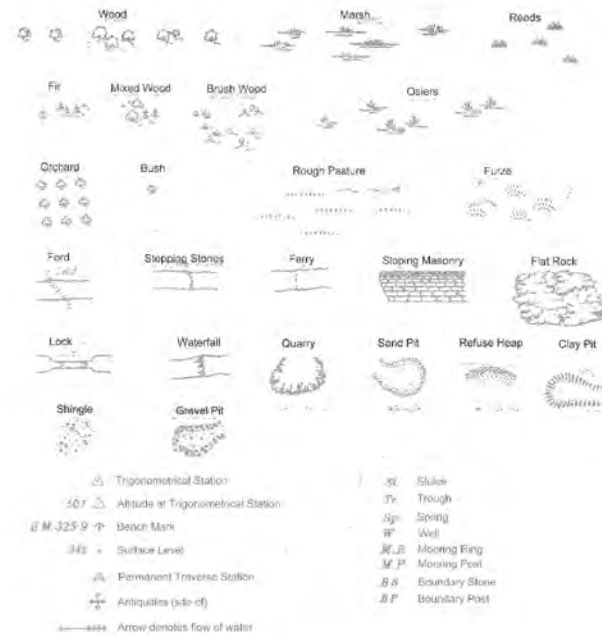
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COUNTY SERIES 1:2,500

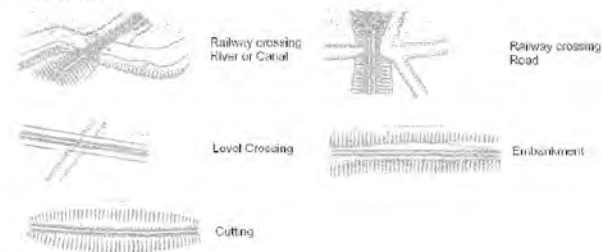
GENERAL FEATURES



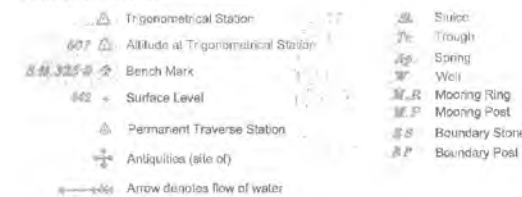
ROADS



RAILWAYS

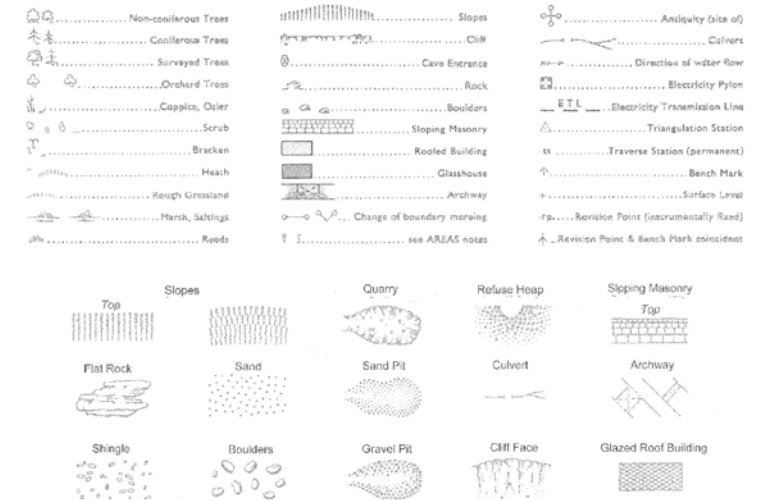


ABBREVIATIONS

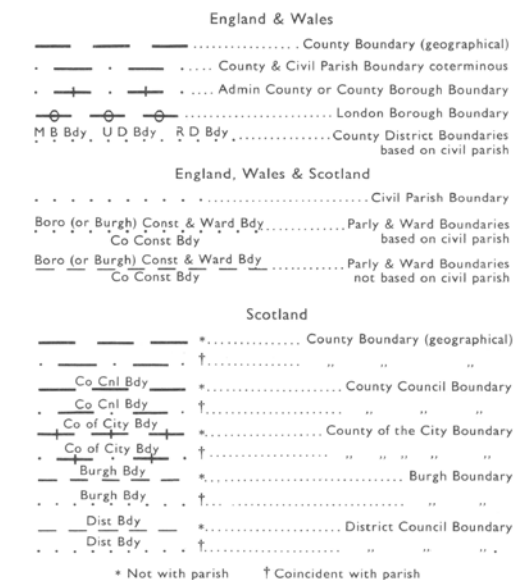


NATIONAL GRID 1:2,500 & 1:1,250

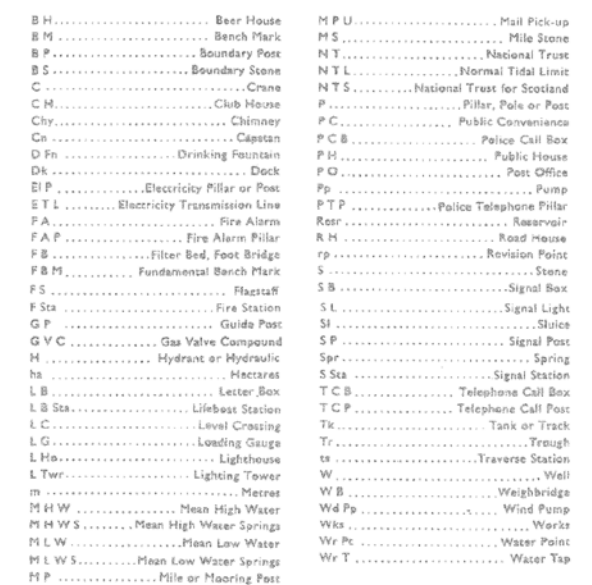
GENERAL FEATURES



BOUNDARIES



ABBREVIATIONS



Site Details:

FORMER CROWN AND
SCEPTRE, MAIN ROAD,
CADOXTON, SA10 8AP

Client Ref: Q1463
Report Ref: HMD-213-WW7-88W-KYZ-BHO
Grid Ref: 275388, 198408

Map Name: County Series

Map date: 1877-1881

Scale: 1:2,500

Printed at: 1:2,500



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Revised 1881
Edition N/A
Copyright N/A
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Surveyed 1877
Revised 1877
Edition N/A
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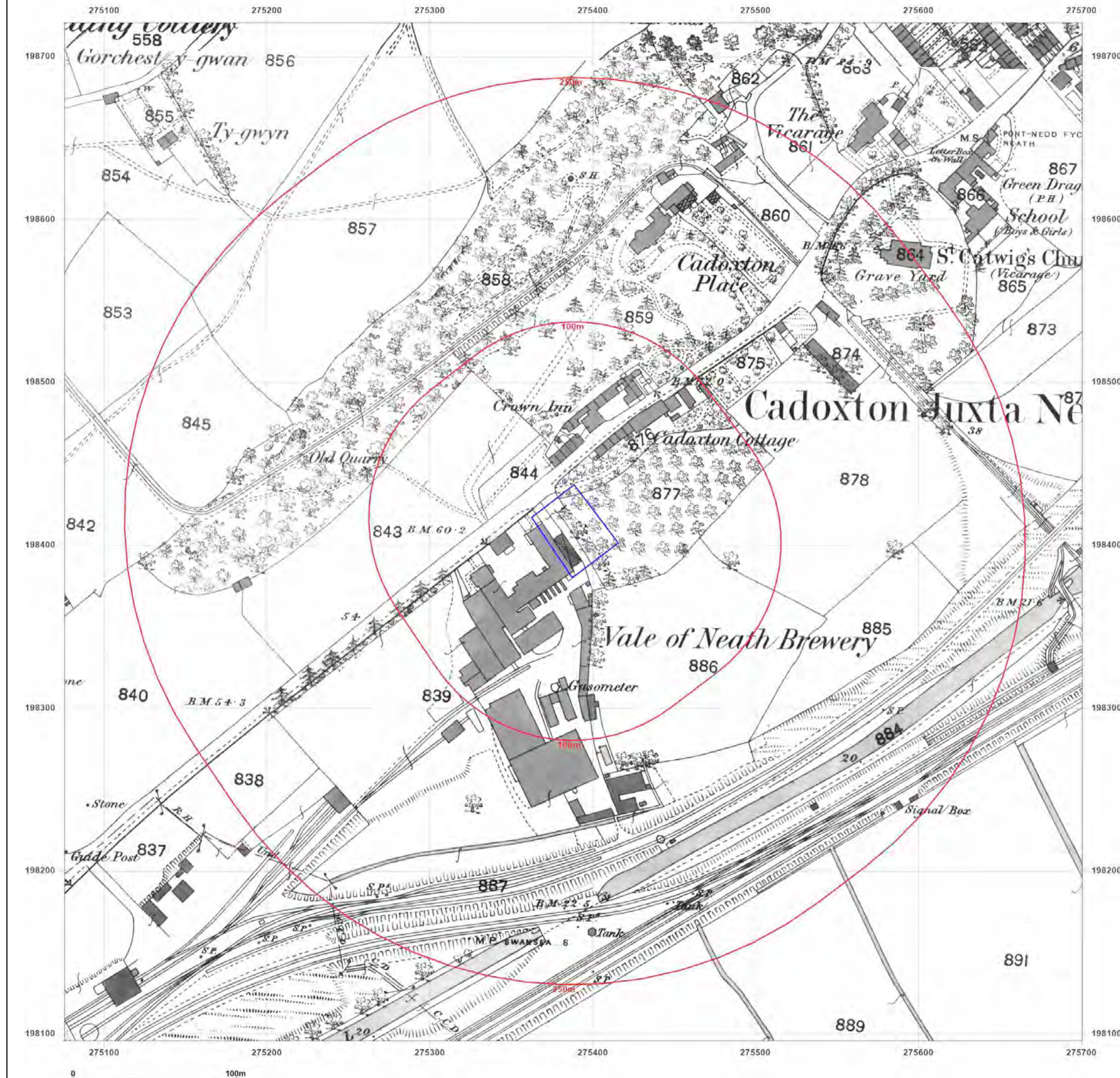
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Site Details:

FORMER CROWN AND
SCEPTRE, MAIN ROAD,
CADOXTON, SA10 8AP

Client Ref: Q1463
Report Ref: HMD-213-WW7-88W-KYZ-BHO
Grid Ref: 275388, 198408

Map Name: County Series

Map date: 1899

Scale: 1:2,500

Printed at: 1:2,500



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Revised 1899
Edition N/A
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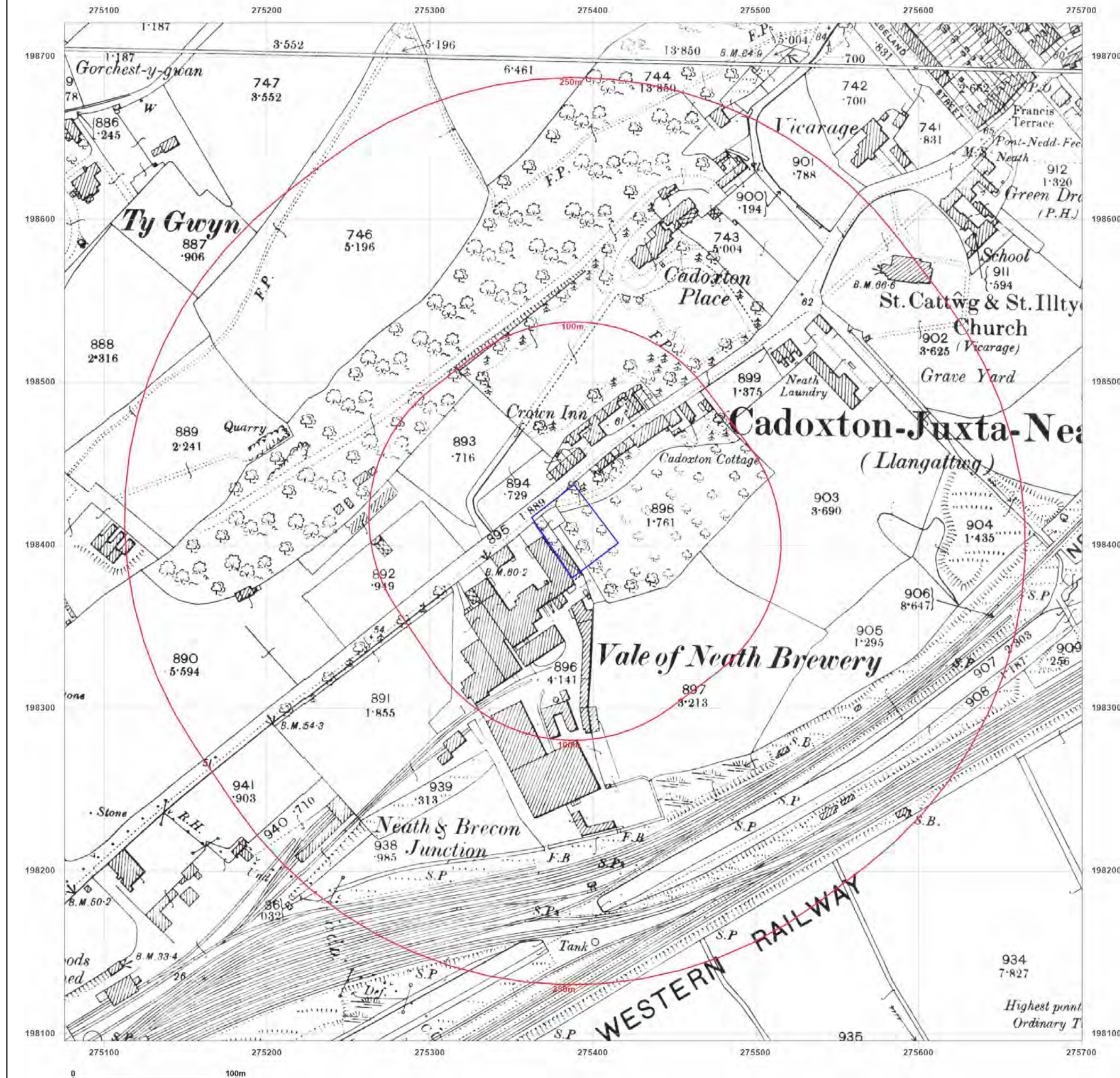


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Site Details:

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CADOXTON, SA10 8AP

Client Ref: Q1463
Report Ref: HMD-213-WW7-88W-KYZ-BHO
Grid Ref: 275388, 198408

Map Name: County Series

Map date: 1935

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1935
Revised 1935
Edition N/A
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Surveyed 1935
Revised 1935
Edition N/A
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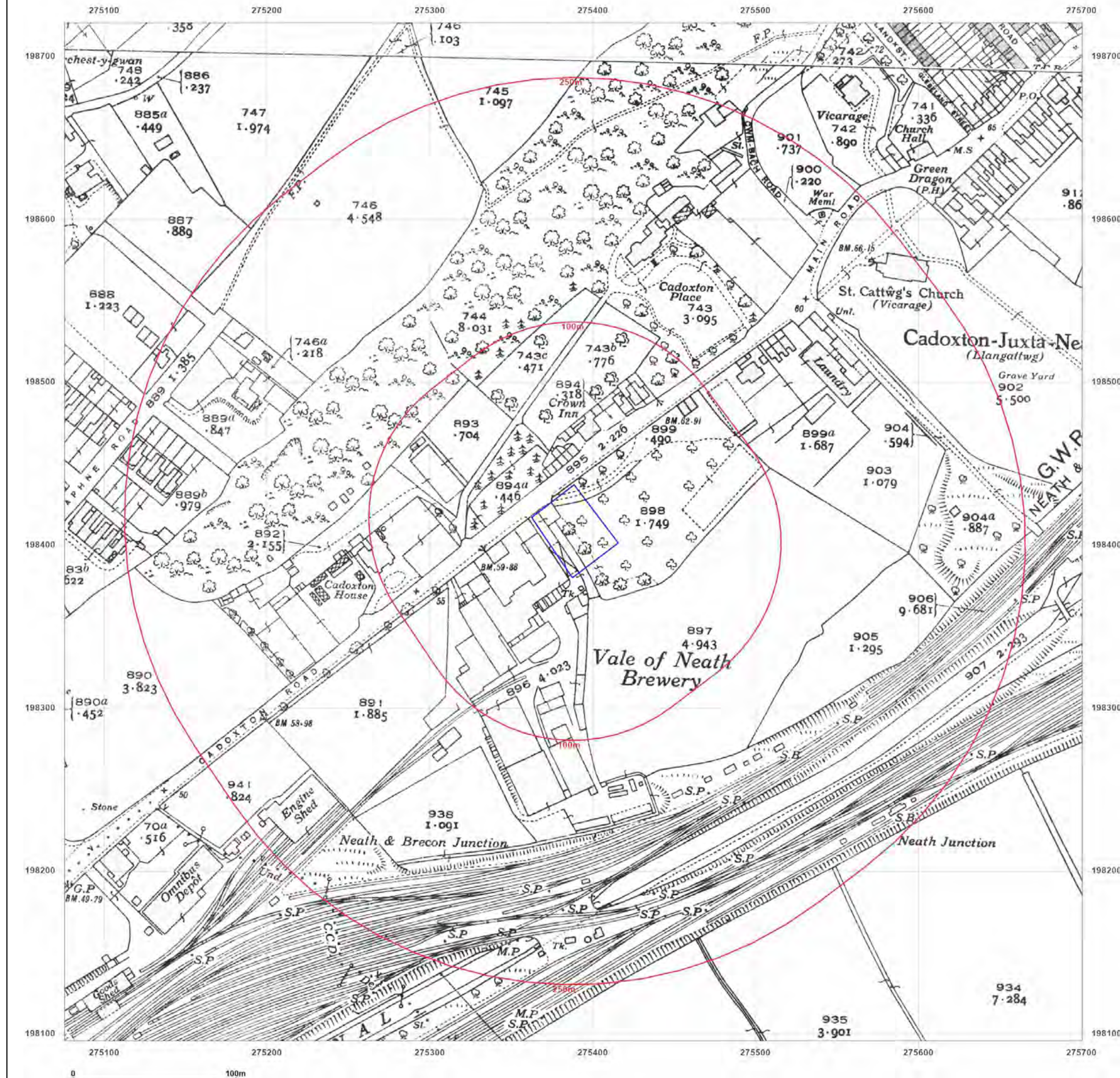
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Site Details:

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CADOXTON, SA10 8AP

Client Ref: Q1463
Report Ref: HMD-213-WW7-88W-KYZ-BHO
Grid Ref: 275388, 198408

Map Name: National Grid

Map date: 1966

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1966
Revised 1966
Edition N/A
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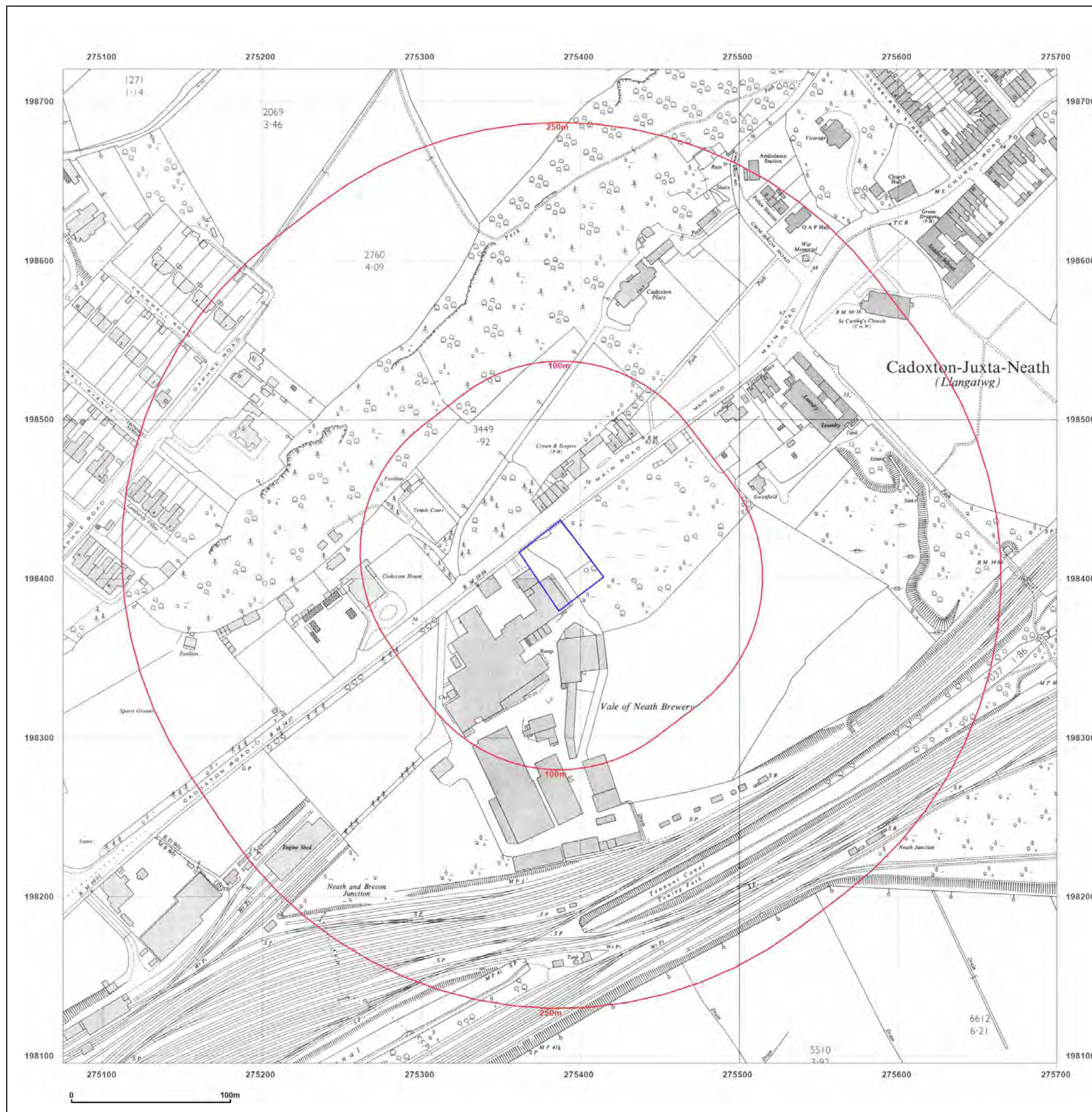


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CADOXTON, SA10 8AP

Client Ref: Q1463
Report Ref: HMD-213-WW7-88W-KYZ-BHO
Grid Ref: 275388, 198408

Map Name: National Grid

Map date: 1967

Scale: 1:1,250

Printed at: 1:2,000



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Surveyed 1966
Revised 1966
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Levelled 1963

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Revised 1966
Edition N/A
Copyright 1967
Levelled 1962

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Revised 1966
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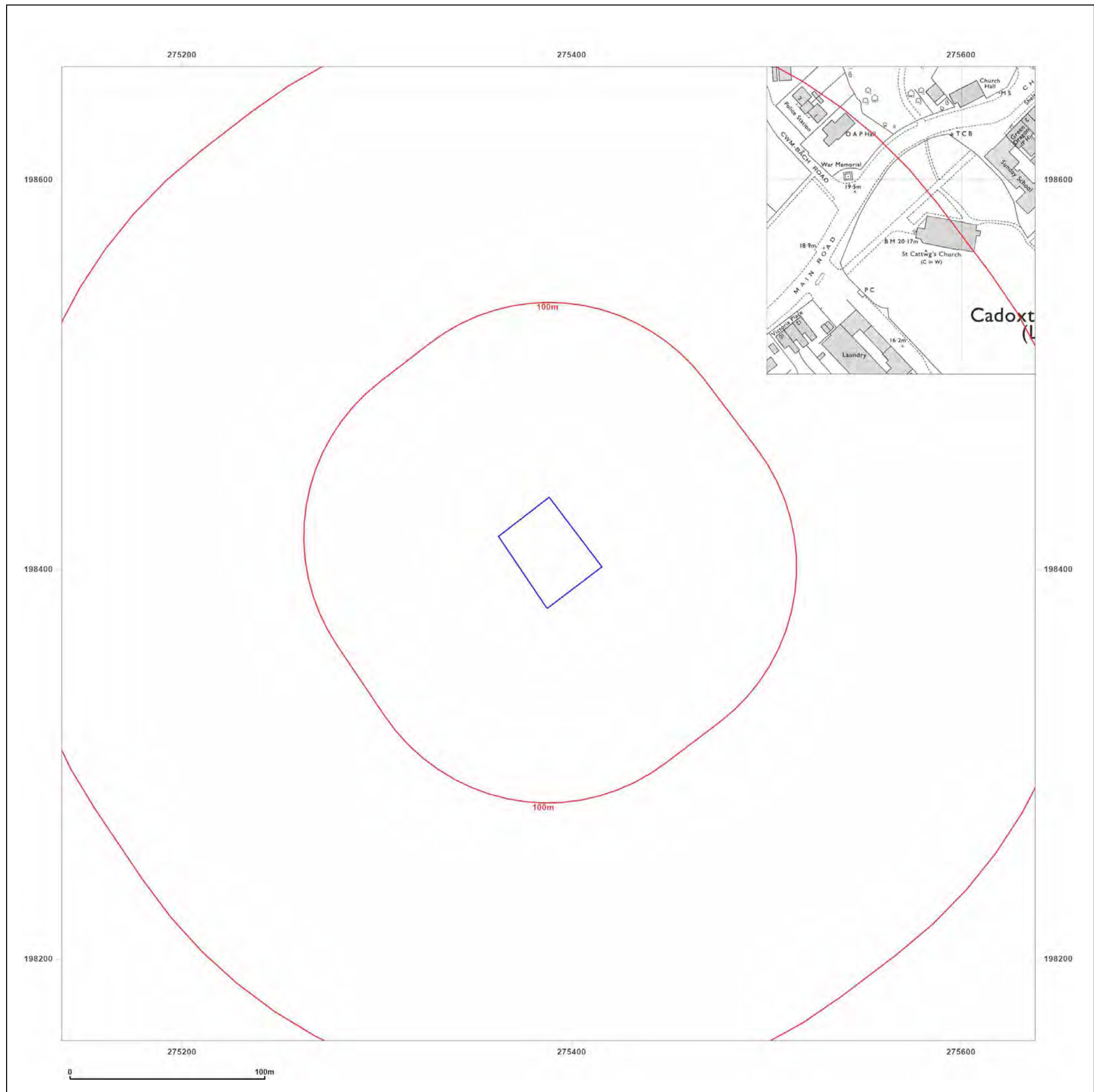
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CADOXTON, SA10 8AP

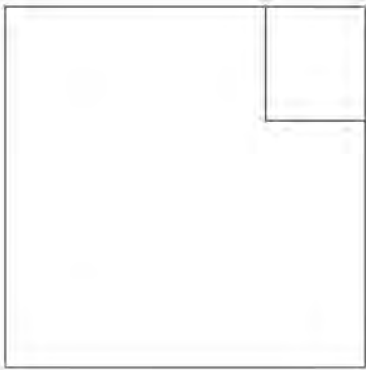
Client Ref: Q1463
Report Ref: HMD-213-WW7-88W-KYZ-BHO
Grid Ref: 275388, 198408

Map Name: National Grid

Map date: 1971

Scale: 1:1,250

Printed at: 1:2,000



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Client Ref: Q1463
Report Ref: HMD-213-WW7-88W-KYZ-BHO
Grid Ref: 275388, 198408

Map Name: National Grid

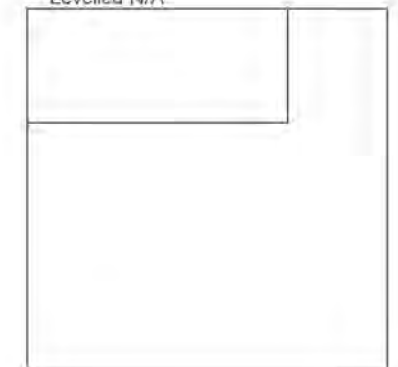
Map date: 1978

Scale: 1:1,250

Printed at: 1:2,000



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

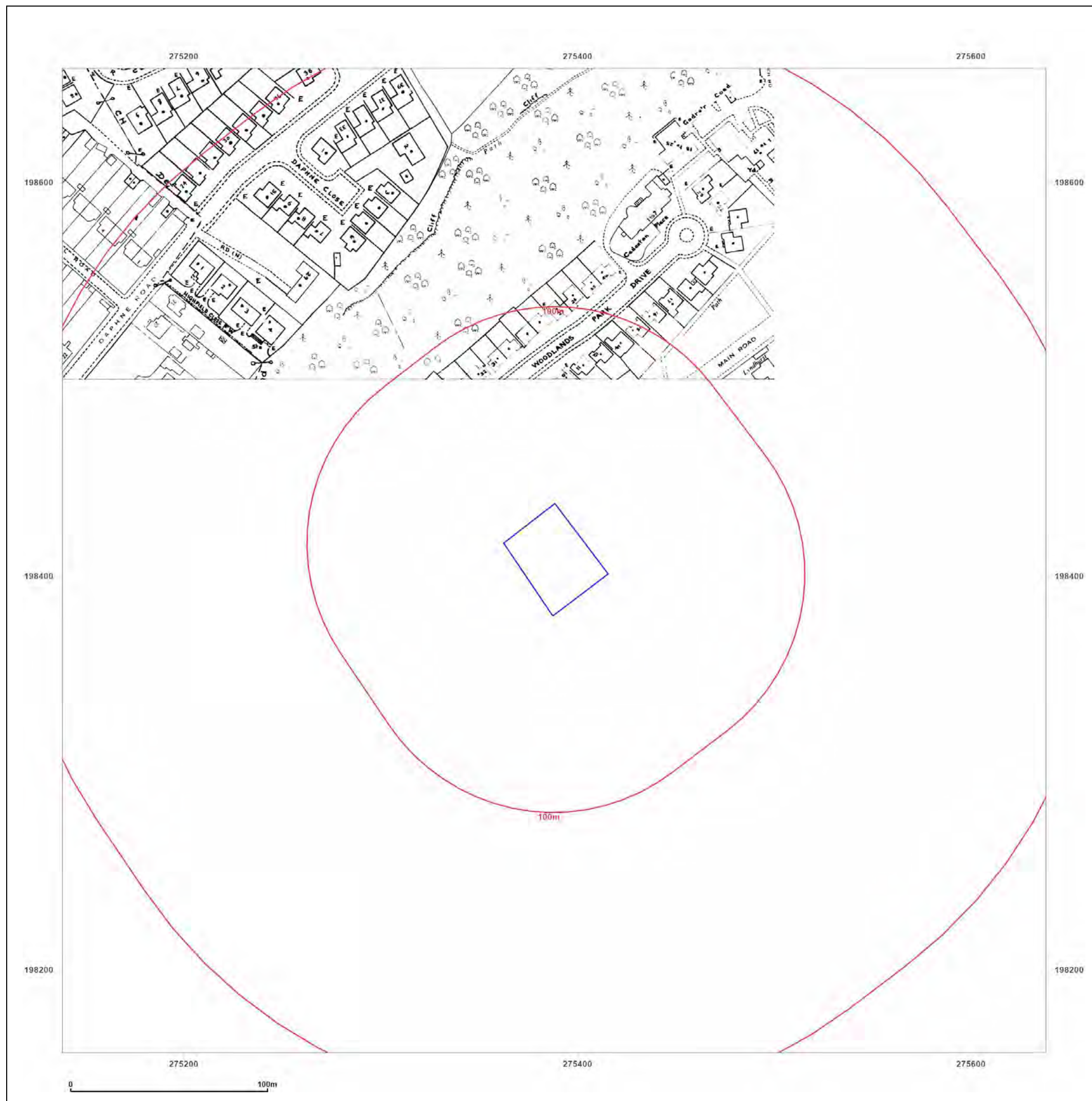


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Site Details:

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CADOXTON, SA10 8AP

Client Ref: Q1463
Report Ref: HMD-213-WW7-88W-KYZ-BHO
Grid Ref: 275388, 198408

Map Name: National Grid

Map date: 1985-1989

Scale: 1:1,250

Printed at: 1:2,000



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Revised N/A
Edition N/A
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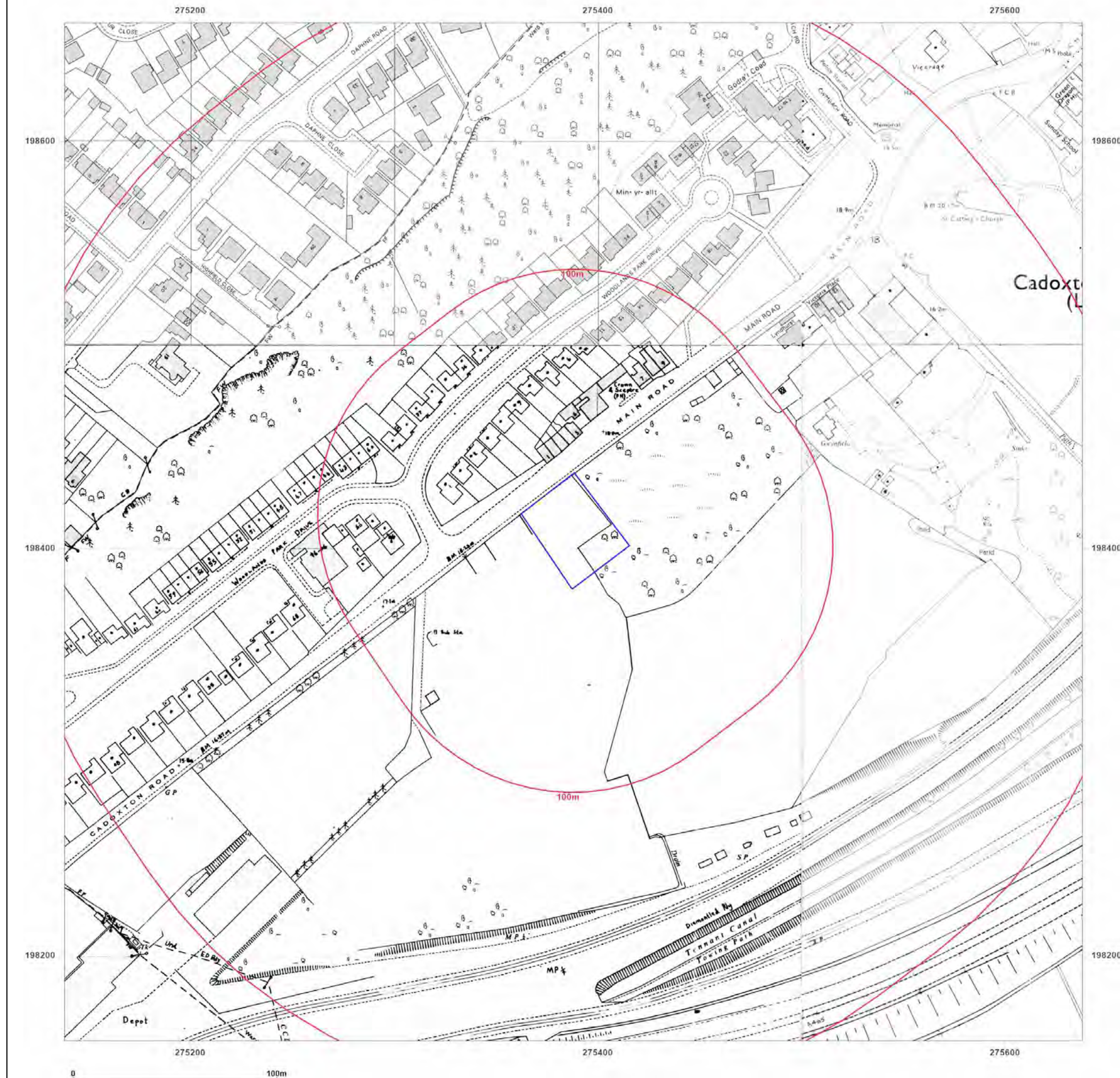


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CADOXTON, SA10 8AP

Client Ref: Q1463
Report Ref: HMD-213-WW7-88W-KYZ-BHO
Grid Ref: 275388, 198408

Map Name: National Grid

Map date: 1989-1993

Scale: 1:1,250

Printed at: 1:2,000



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Surveyed 1993
Revised N/A
Edition N/A
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Surveyed 1962
Revised 1989
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CADOXTON, SA10 8AP

Client Ref: Q1463
Report Ref: HMD-213-WW7-88W-KYZ-BHO
Grid Ref: 275388, 198408

Map Name: National Grid

Map date: 1993

Scale: 1:1,250

Printed at: 1:2,000



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CADOXTON, SA10 8AP

Client Ref: Q1463
Report Ref: HMD-213-WW7-88W-KYZ-BHO
Grid Ref: 275388, 198408

Map Name: National Grid

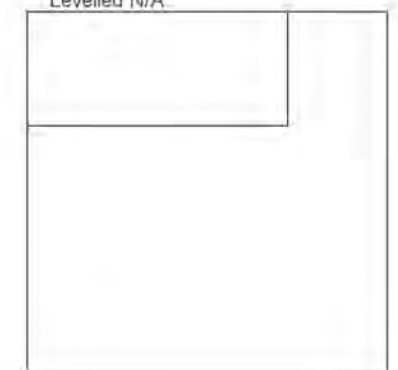
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Printed at: 1:2,000



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Revised N/A
Edition N/A
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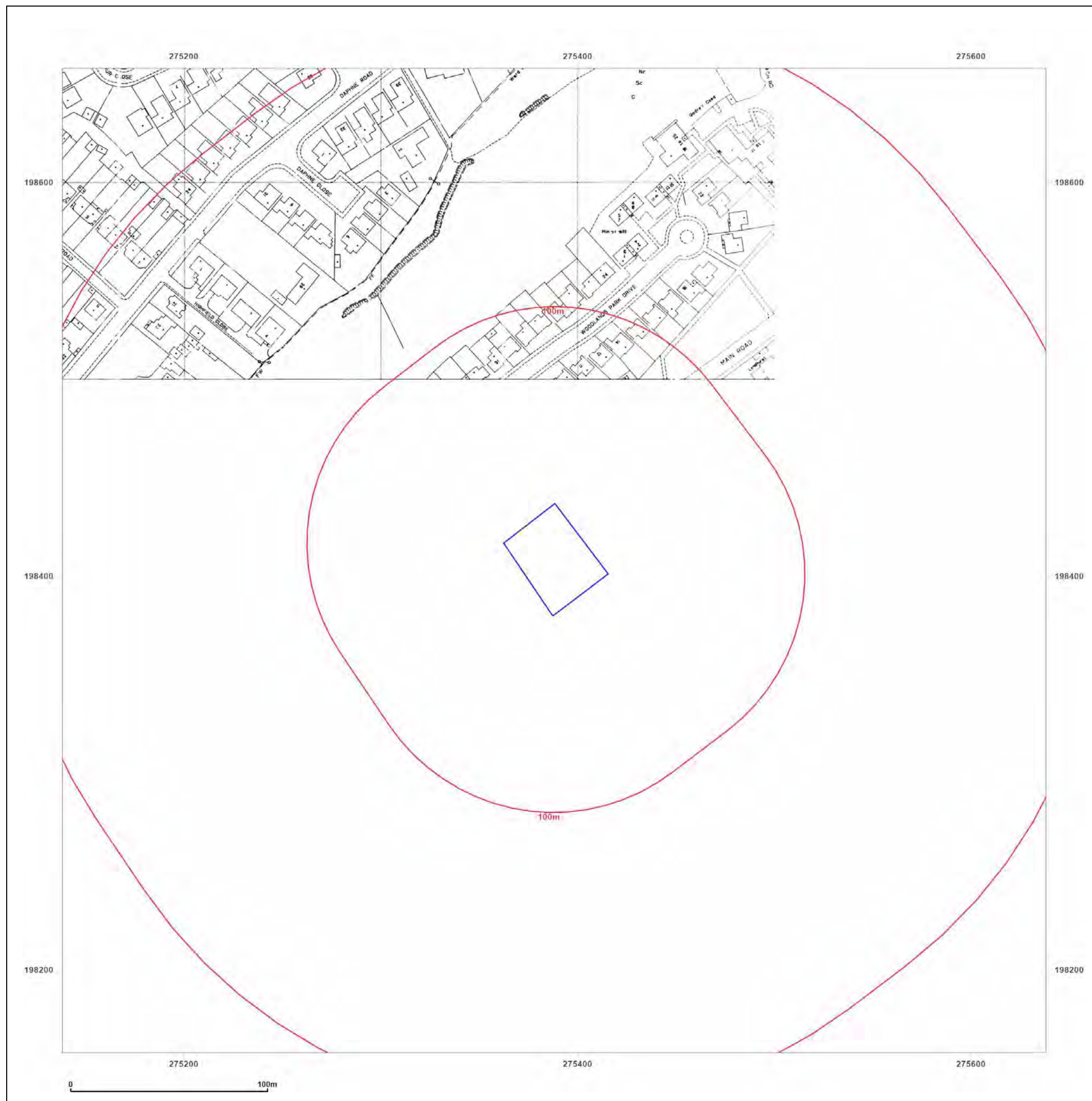


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CADOXTON, SA10 8AP

Client Ref: Q1463
Report Ref: HMD-213-WW7-88W-KYZ-BHO
Grid Ref: 275388, 198408

Map Name: National Grid

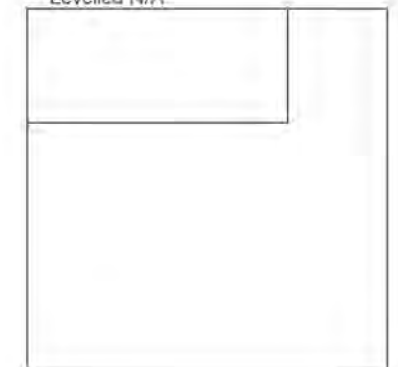
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Scale: 1:1,250

Printed at: 1:2,000



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Revised 1994
Edition N/A
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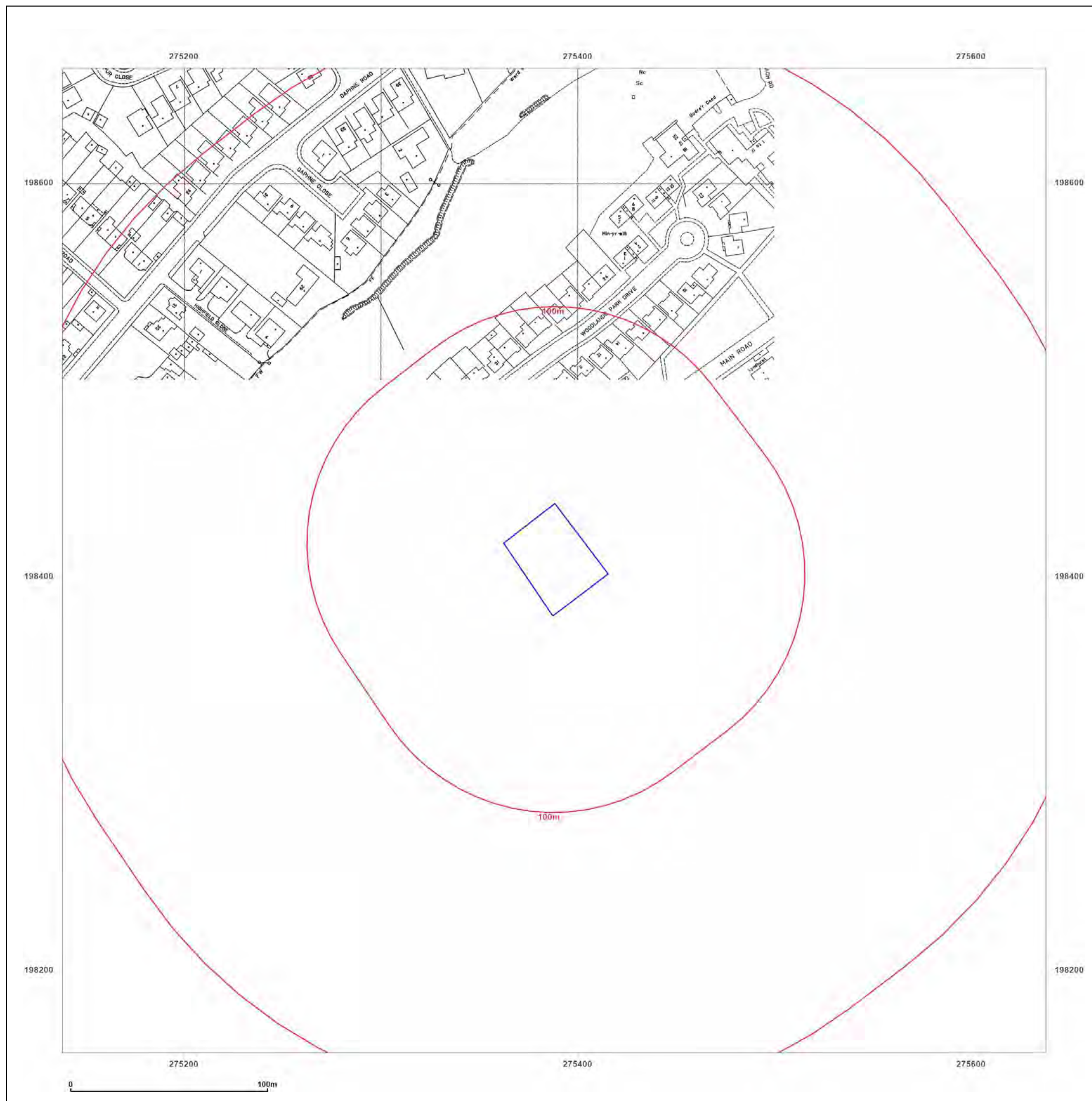


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Site Details:

FORMER CROWN AND
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CADOXTON, SA10 8AP

Client Ref: Q1463
Report Ref: HMD-213-WW7-88W-KYZ-BHO
Grid Ref: 275388, 198408

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



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APPENDIX III – GROUNDSURE ENVIRO+GEO INSIGHT & RADON CHECK REPORT

FORMER CROWN AND SCEPTRE, MAIN ROAD, CADOXTON, SA10 8AP**Order Details**

Date: 30/01/2024
Your ref: Q1463
Our Ref: HMD-213-NIJ-I22-7R5-6RH

Site Details

Location: 275384 198409
Area: 0.15 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 >](#)groundsure.com/insightuserguide ↗

Contact us with any questions at:

info@groundsure.com ↗

01273 257 755

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 >	8	3	59	72	-
21 >	1.2 >	Historical tanks >	0	1	12	5	-
22 >	1.3 >	Historical energy features >	0	0	2	7	-
22	1.4	Historical petrol stations	0	0	0	0	-
23	1.5	Historical garages	0	0	0	0	-
23	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
24 >	2.1 >	Historical industrial land uses >	10	3	71	92	-
31 >	2.2 >	Historical tanks >	0	1	14	7	-
32 >	2.3 >	Historical energy features >	0	0	3	9	-
33	2.4	Historical petrol stations	0	0	0	0	-
33	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
34	3.1	Active or recent landfill	0	0	0	0	-
34	3.2	Historical landfill (BGS records)	0	0	0	0	-
35	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
35 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	0	1	-
35	3.5	Historical waste sites	0	0	0	0	-
35	3.6	Licensed waste sites	0	0	0	0	-
36	3.7	Waste exemptions	0	0	0	0	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
37 >	4.1 >	Recent industrial land uses >	0	1	1	-	-
38	4.2	Current or recent petrol stations	0	0	0	0	-
38	4.3	Electricity cables	0	0	0	0	-
38	4.4	Gas pipelines	0	0	0	0	-
38	4.5	Sites determined as Contaminated Land	0	0	0	0	-



38	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
39	4.7	Regulated explosive sites	0	0	0	0	-
39	4.8	Hazardous substance storage/usage	0	0	0	0	-
39	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
39	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
39 >	4.11 >	Licensed pollutant release (Part A(2)/B) >	0	0	0	1	-
40	4.12	Radioactive Substance Authorisations	0	0	0	0	-
40 >	4.13 >	Licensed Discharges to controlled waters >	0	0	1	14	-
43	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
43	4.15	Pollutant release to public sewer	0	0	0	0	-
43	4.16	List 1 Dangerous Substances	0	0	0	0	-
43	4.17	List 2 Dangerous Substances	0	0	0	0	-
43	4.18	Pollution Incidents (EA/NRW)	0	0	0	0	-
44	4.19	Pollution inventory substances	0	0	0	0	-
44	4.20	Pollution inventory waste transfers	0	0	0	0	-
44	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
45 >	5.1 >	Superficial aquifer >	Identified (within 500m)				
47 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
49 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
50	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
50	5.5	Groundwater vulnerability- local information	None (within 0m)				
51 >	5.6 >	Groundwater abstractions >	0	0	0	0	5
53 >	5.7 >	Surface water abstractions >	0	0	0	0	8
55	5.8	Potable abstractions	0	0	0	0	0
55	5.9	Source Protection Zones	0	0	0	0	-
55	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m
56 >	6.1 >	Water Network (OS MasterMap) >	0	0	8	-	-



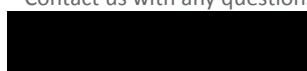
57 >	6.2 >	Surface water features >	0	0	2	-	-
57 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
58 >	6.4 >	WFD Surface water bodies >	0	0	1	-	-
58 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
59	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
60 >	7.2 >	Historical Flood Events >	0	0	1	-	-
60	7.3	Flood Defences	0	0	0	-	-
60	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
60	7.5	Flood Storage Areas	0	0	0	-	-
61	7.6	Flood Zone 2	None (within 50m)				
61	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
62	8.1	Surface water flooding	Negligible (within 50m)				
Page	Section	Groundwater flooding >					
63 >	9.1 >	Groundwater flooding >	Moderate (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
64	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
65	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
65	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
65	10.4	Special Protection Areas (SPA)	0	0	0	0	0
65	10.5	National Nature Reserves (NNR)	0	0	0	0	0
66 >	10.6 >	Local Nature Reserves (LNR) >	0	0	0	0	1
66 >	10.7 >	Designated Ancient Woodland >	0	0	1	0	65
69	10.8	Biosphere Reserves	0	0	0	0	0
69	10.9	Forest Parks	0	0	0	0	0
69	10.10	Marine Conservation Zones	0	0	0	0	0
69	10.11	Green Belt	0	0	0	0	0
69	10.12	Proposed Ramsar sites	0	0	0	0	0



70	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
70	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
70	10.15	Nitrate Sensitive Areas	0	0	0	0	0
70	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
71	10.17	SSSI Impact Risk Zones	0	-	-	-	-
71	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
72	11.1	World Heritage Sites	0	0	0	-	-
73	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
73	11.3	National Parks	0	0	0	-	-
73 >	11.4 >	Listed Buildings >	0	0	4	-	-
74	11.5	Conservation Areas	0	0	0	-	-
74	11.6	Scheduled Ancient Monuments	0	0	0	-	-
74	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
75 >	12.1 >	Agricultural Land Classification >	Grade 3b (within 250m)				
76	12.2	Open Access Land	0	0	0	-	-
76	12.3	Tree Felling Licences	0	0	0	-	-
76	12.4	Environmental Stewardship Schemes	0	0	0	-	-
76	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
77	13.1	Priority Habitat Inventory	0	0	0	-	-
77	13.2	Habitat Networks	0	0	0	-	-
77	13.3	Open Mosaic Habitat	0	0	0	-	-
77	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
78 >	14.1 >	10k Availability >	Identified (within 500m)				
79 >	14.2 >	Artificial and made ground (10k) >	1	0	1	2	-
81 >	14.3 >	Superficial geology (10k) >	1	0	1	5	-



82	14.4	Landslip (10k)	0	0	0	0	-
83 >	14.5 >	Bedrock geology (10k) >	1	0	2	6	-
84 >	14.6 >	Bedrock faults and other linear features (10k) >	0	0	3	5	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
85 >	15.1 >	50k Availability >	Identified (within 500m)				
86 >	15.2 >	Artificial and made ground (50k) >	1	0	0	0	-
87 >	15.3 >	Artificial ground permeability (50k) >	1	0	-	-	-
88 >	15.4 >	Superficial geology (50k) >	1	0	1	1	-
89 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
89	15.6	Landslip (50k)	0	0	0	0	-
89	15.7	Landslip permeability (50k)	None (within 50m)				
90 >	15.8 >	Bedrock geology (50k) >	1	0	2	4	-
91 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
91 >	15.10 >	Bedrock faults and other linear features (50k) >	0	0	3	5	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
93 >	16.1 >	BGS Boreholes >	1	3	18	-	-
Page	Section	Natural ground subsidence >					
95 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
96 >	17.2 >	Running sands >	Very low (within 50m)				
98 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
99 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
100 >	17.5 >	Landslides >	Very low (within 50m)				
101 >	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
103 >	18.1 >	BritPits >	0	0	1	3	-
104 >	18.2 >	Surface ground workings >	0	0	28	-	-
106 >	18.3 >	Underground workings >	0	0	0	15	40
108	18.4	Underground mining extents	0	0	0	0	-
108	18.5	Historical Mineral Planning Areas	0	0	0	0	-



108	18.6	Non-coal mining	0	0	0	0	0
109	18.7	JPB mining areas	None (within 0m)				
109	18.8	The Coal Authority non-coal mining	0	0	0	0	-
109	18.9	Researched mining	0	0	0	0	-
109	18.10	Mining record office plans	0	0	0	0	-
110	18.11	BGS mine plans	0	0	0	0	-
110 >	18.12 >	Coal mining >	Identified (within 0m)				
110	18.13	Brine areas	None (within 0m)				
110	18.14	Gypsum areas	None (within 0m)				
110	18.15	Tin mining	None (within 0m)				
111	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
112	19.1	Natural cavities	0	0	0	0	-
112	19.2	Mining cavities	0	0	0	0	0
112	19.3	Reported recent incidents	0	0	0	0	-
112	19.4	Historical incidents	0	0	0	0	-
113	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
114 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
116 >	21.1 >	BGS Estimated Background Soil Chemistry >	1	0	-	-	-
116 >	21.2 >	BGS Estimated Urban Soil Chemistry >	4	0	-	-	-
117	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
118	22.1	Underground railways (London)	0	0	0	-	-
118	22.2	Underground railways (Non-London)	0	0	0	-	-
119	22.3	Railway tunnels	0	0	0	-	-
119 >	22.4 >	Historical railway and tunnel features >	0	3	31	-	-
120	22.5	Royal Mail tunnels	0	0	0	-	-

121 >	22.6 >	Historical railways >	0	0	1	-	-
121 >	22.7 >	Railways >	0	0	8	-	-
121	22.8	Crossrail 1	0	0	0	0	-
122	22.9	Crossrail 2	0	0	0	0	-
122	22.10	HS2	0	0	0	0	-

Recent aerial photograph



Capture Date: 14/04/2020

Site Area: 0.15ha



Contact us with any questions at:



Date: 30 January 2024

Recent site history - 2017 aerial photograph



Capture Date: 17/06/2017

Site Area: 0.15ha



Contact us with any questions at:



Date: 30 January 2024

Recent site history - 2014 aerial photograph



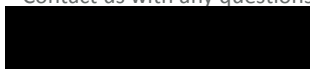
Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2024. All Rights Reserved

Capture Date: 23/07/2014

Site Area: 0.15ha



Contact us with any questions at:



Date: 30 January 2024

Recent site history - 2009 aerial photograph



Capture Date: 12/10/2009

Site Area: 0.15ha



Contact us with any questions at:



Date: 30 January 2024

Recent site history - 2000 aerial photograph



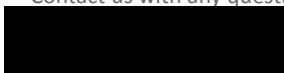
Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2024. All Rights Reserved.

Capture Date: 18/06/2000

Site Area: 0.15ha



Contact us with any questions at:



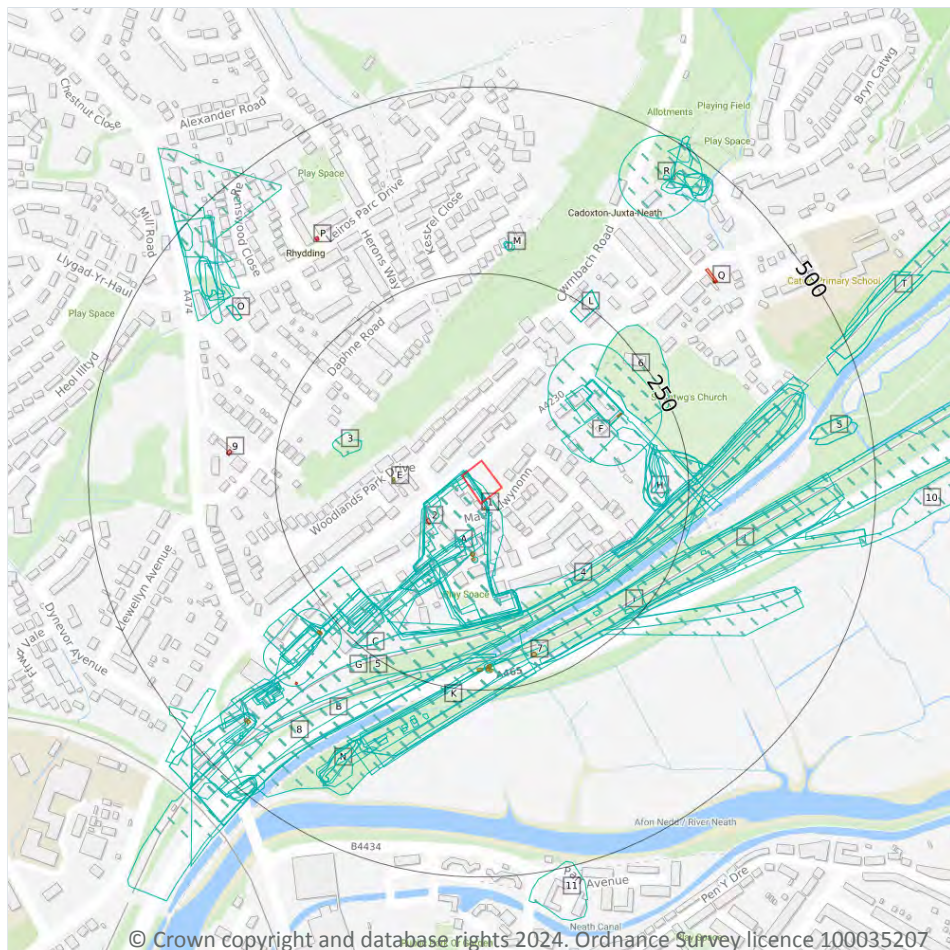
Date: 30 January 2024

OS MasterMap site plan



Site Area: 0.15ha

1 Past land use



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

1.1 Historical industrial land uses

Records within 500m

142

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 >](#)

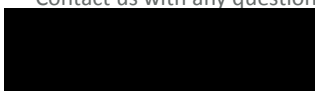
ID	Location	Land use	Dates present	Group ID
A	On site	Brewery	1914	341564



ID	Location	Land use	Dates present	Group ID
A	On site	Brewery	1877	343773
A	On site	Brewery	1876	345016
A	On site	Brewery	1921 - 1936	350838
A	On site	Brewery	1962	355814
A	On site	Brewery	1970	361102
A	On site	Brewery	1897	365067
A	On site	Brewery	1876	375006
B	35m S	Railway Sidings	1914	345667
C	39m S	Railway Sidings	1876 - 1877	352818
D	48m S	Railway Sidings	1897	357821
A	55m S	Railway Sidings	1936	345080
A	55m S	Railway Sidings	1876	359796
D	56m S	Railway Sidings	1962	342415
D	64m S	Railway Sidings	1921	372583
A	72m S	Gasometer	1877	321164
F	102m NE	Laundry	1876	358348
A	108m SW	Railway Buildings	1877	319086
F	108m NE	Laundry	1962	350910
A	118m SW	Railway Building	1962	323654
F	138m NE	Laundry	1921	371174
3	141m W	Unspecified Quarry	1897	325687
F	141m NE	Laundry	1914	340854
4	155m SE	Railway Building	1921	323655
G	155m S	Railway Sidings	1936	343319
G	155m S	Railway Sidings	1876	371083
5	161m SE	Railway Sidings	1876	372024
F	162m NE	Laundry	1876	345821
F	162m NE	Laundry	1936	352639



ID	Location	Land use	Dates present	Group ID
H	169m E	Unspecified Heap	1970	353914
H	170m SE	Railway Sidings	1936	343791
H	170m SE	Railway Sidings	1876	359462
H	174m SE	Railway Sidings	1876	357922
H	174m SE	Railway Sidings	1876	359652
H	187m NE	Railway Sidings	1877	372317
6	190m NE	Grave Yard	1877	322933
H	190m E	Unspecified Heap	1914 - 1921	373968
I	192m SE	Railway Sidings	1921	346983
H	193m E	Unspecified Heap	1962	369057
H	194m E	Unspecified Ground Workings	1876	376426
J	195m SE	Railway Sidings	1936	375337
J	195m SE	Railway Sidings	1876	377490
H	195m E	Unspecified Ground Workings	1936	356033
H	195m E	Unspecified Ground Workings	1876	366987
C	195m SW	Railway Building	1897	375715
J	196m S	Railway Sidings	1962	368938
C	196m SW	Railway Building	1877	369730
C	196m SW	Railway Building	1936	366806
C	196m SW	Railway Building	1876	354072
C	197m SW	Engine Shed	1876	349128
C	197m SW	Engine Shed	1914 - 1921	363425
C	197m SW	Engine Shed	1876	368276
C	197m SW	Engine Shed	1936	368567
C	199m SW	Engine Shed	1962	345152
H	199m E	Unspecified Ground Workings	1897	371236
I	207m SE	Railway Building	1877	323656
K	208m S	Railway Sidings	1876	344435



ID	Location	Land use	Dates present	Group ID
B	212m S	Railway Buildings	1914	319087
B	217m S	Railway Building	1921	323652
J	219m SE	Railway Sidings	1876	378745
B	220m S	Unspecified Tank	1962	320108
J	224m SE	Railway Sidings	1877	346859
L	228m NE	Police Station	1970	341735
L	228m NE	Police Station	1982 - 1991	370596
H	233m E	Unspecified Heap	1921	343887
H	233m E	Unspecified Heap	1877	352994
I	233m SE	Railway Building	1921	323657
H	234m E	Unspecified Heap	1914	376725
8	240m S	Railway Sidings	1876	350958
C	246m SW	Railway Buildings	1876	319085
C	253m SW	Unspecified Depot	1982	321593
C	259m SW	Railway Building	1936	323653
C	275m SW	Unspecified Works	1991	320906
C	279m SW	Railway Building	1921 - 1936	367159
C	279m SW	Railway Building	1876	368093
C	279m SW	Railway Buildings	1914	319084
J	280m E	Railway Building	1877	323658
C	280m SW	Railway Building	1921	376258
M	283m N	Old Air Shaft	1897 - 1914	352545
M	284m N	Old Air Shaft	1921	341393
K	291m S	Railway Building	1921	323651
K	298m S	Railway Buildings	1914	319088
K	301m S	Railway Building	1921	323650
K	311m S	Railway Building	1914	370059
K	316m S	Railway Building	1921	345193



ID	Location	Land use	Dates present	Group ID
K	334m S	Railway Buildings	1914 - 1921	368515
N	354m SW	Unspecified Ground Workings	1914	342483
N	356m SW	Unspecified Heap	1921	362004
N	356m S	Unspecified Heap	1877	339857
N	359m SW	Unspecified Ground Workings	1876	350481
N	359m SW	Unspecified Ground Workings	1936	375281
C	361m SW	Goods Shed	1876 - 1962	378889
C	362m SW	Good Shed	1936	323016
C	362m SW	Goods Shed	1876	379833
C	362m SW	Railway Building	1877	363492
C	362m SW	Railway Building	1914	352460
O	363m NW	Unspecified Ground Workings	1876	348917
O	363m NW	Unspecified Ground Workings	1936	371303
C	366m SW	Goods Shed	1897	376109
C	369m SW	Railway Building	1921	340850
O	382m NW	Railway Sidings	1877	337522
O	389m NW	Unspecified Ground Workings	1897	347380
O	389m NW	Old Colliery	1921	360367
R	393m NE	Unspecified Old Shaft	1948 - 1962	351531
O	394m NW	Colliery	1877	330879
O	399m NW	Unspecified Ground Workings	1936	365745
O	400m NW	Unspecified Pit	1914	335664
O	408m NW	Unspecified Ground Workings	1921	361793
C	416m SW	Unspecified Ground Workings	1876	369205
C	416m SW	Unspecified Ground Workings	1936	370244
S	417m E	Unspecified Heap	1921 - 1936	340154
S	417m E	Unspecified Heap	1914	350250
S	417m E	Unspecified Heap	1876 - 1897	355857



ID	Location	Land use	Dates present	Group ID
C	418m SW	Unspecified Heap	1962 - 1970	354499
C	418m SW	Cuttings	1877 - 1897	357089
O	421m NW	Old Colliery	1897 - 1914	359804
C	434m SW	Cuttings	1877	354087
R	436m NE	Unspecified Heap	1877	345942
R	441m NE	Unspecified Heap	1948 - 1962	339548
R	441m NE	Old Coal Pit	1921	360283
C	442m SW	Unspecified Tank	1876	341627
C	446m SW	Unspecified Tank	1962	374111
R	448m NE	Unspecified Shaft	1914 - 1921	378037
R	451m NE	Unspecified Heap	1982	360350
R	451m NE	Unspecified Heap	1970	369806
R	453m NE	Unspecified Old Shaft	1935	371229
R	454m NE	Old Coal Pit	1897	365074
R	454m NE	Old Coal Pit	1914	370981
T	468m E	Railway Sidings	1877	352771
T	468m E	Railway Sidings	1921	366711
C	470m SW	Unspecified Heap	1877	327037
O	473m NW	Refuse Heap	1921	338817
C	476m SW	Unspecified Ground Workings	1936	363897
C	476m SW	Unspecified Ground Workings	1876	378182
C	478m SW	Unspecified Ground Workings	1921	374086
T	478m E	Railway Sidings	1936 - 1948	343361
T	478m E	Railway Sidings	1876	366352
R	481m NE	Unspecified Heap	1914 - 1921	370872
10	483m E	Unspecified Ground Workings	1970	333727
C	484m SW	Unspecified Pit	1914	335663
11	492m S	Unspecified Heap	1914 - 1921	358890



ID	Location	Land use	Dates present	Group ID
T	500m E	Railway Sidings	1914	341561

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	18
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Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

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

ID	Location	Land use	Dates present	Group ID
1	7m S	Unspecified Tank	1935	38304
A	66m S	Gasometer	1877	39893
A	74m S	Unspecified Tank	1899	38305
E	90m W	Unspecified Tank	1935	44268
E	90m W	Unspecified Tank	1919	44644
F	181m NE	Unspecified Tank	1966 - 1967	42313
7	211m S	Unspecified Tank	1877	38306
B	215m S	Unspecified Tank	1877	42175
B	218m S	Unspecified Tank	1919	41914
B	220m S	Unspecified Tank	1966 - 1967	40753
B	220m S	Unspecified Tank	1935	44604
B	221m S	Unspecified Tank	1935	38302
B	222m S	Unspecified Tank	1899	38307
C	274m SW	Unspecified Tank	1966	41613
C	275m SW	Unspecified Tank	1967	43143
C	275m SW	Unspecified Tank	1989	42661
C	424m SW	Unspecified Tank	1877 - 1919	41458



ID	Location	Land use	Dates present	Group ID
C	425m SW	Unspecified Tank	1935	42172

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	9
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Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

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

ID	Location	Land use	Dates present	Group ID
A	66m S	Gasometer	1877	20033
2	69m SW	Electricity Substation	1989 - 1999	23490
9	310m W	Electricity Substation	1989 - 1999	20918
C	343m SW	Electricity Substation	1999	19394
P	367m NW	Electricity Substation	1994	20506
P	369m NW	Electricity Substation	1989	21512
Q	391m NE	Electricity Substation	1989	20952
Q	393m NE	Electricity Substation	1993	21958
Q	393m NE	Electricity Transformer	1971	19854

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	0
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Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.



1.5 Historical garages

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

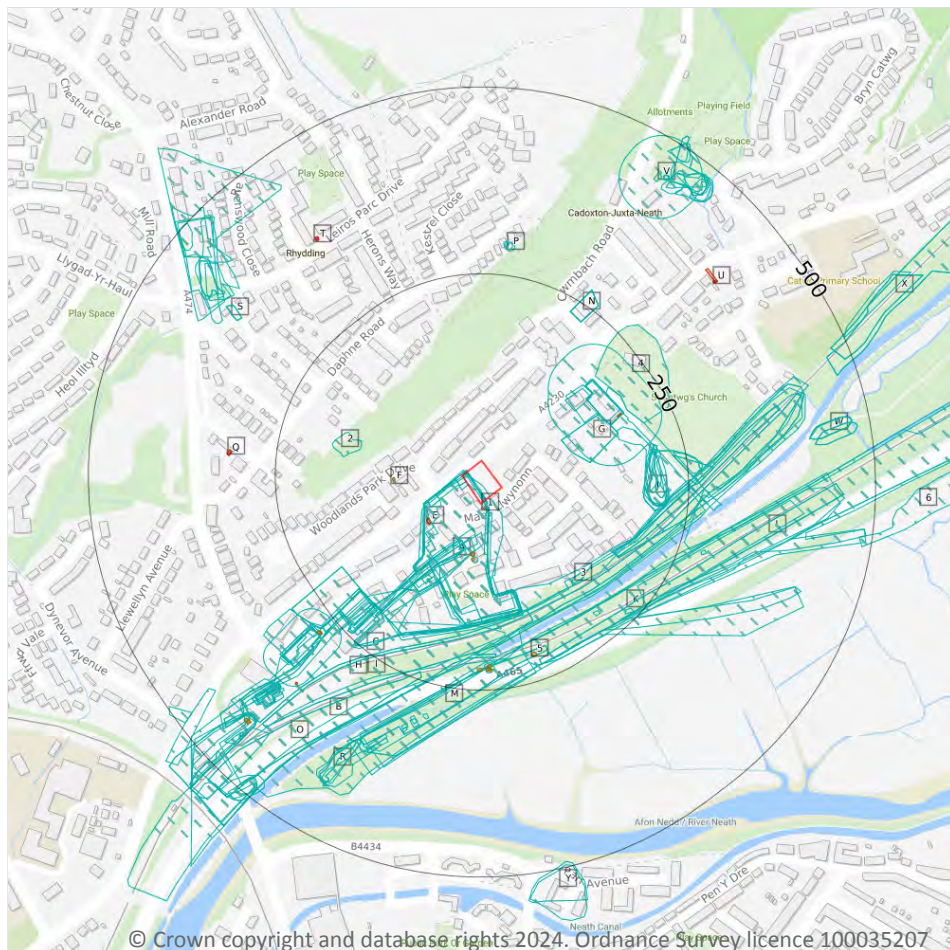
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Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

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



2 Past land use - un-grouped



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

2.1 Historical industrial land uses

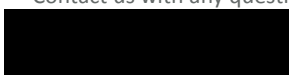
Records within 500m

176

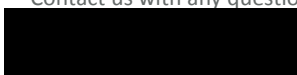
Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group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

Features are displayed on the Past land use - un-grouped map on [page 24](#) >

ID	Location	Land Use	Date	Group ID
A	On site	Brewery	1921	350838
A	On site	Brewery	1877	343773
A	On site	Brewery	1876	375006



ID	Location	Land Use	Date	Group ID
A	On site	Brewery	1936	350838
A	On site	Brewery	1914	341564
A	On site	Brewery	1897	365067
A	On site	Brewery	1876	345016
A	On site	Brewery	1876	345016
A	On site	Brewery	1970	361102
A	On site	Brewery	1962	355814
B	35m S	Railway Sidings	1914	345667
C	39m S	Railway Sidings	1877	352818
D	48m S	Railway Sidings	1897	357821
A	55m S	Railway Sidings	1876	359796
A	55m S	Railway Sidings	1936	345080
D	56m S	Railway Sidings	1962	342415
C	59m S	Railway Sidings	1876	352818
C	59m S	Railway Sidings	1876	352818
D	64m S	Railway Sidings	1921	372583
A	72m S	Gasometer	1877	321164
G	102m NE	Laundry	1876	358348
G	102m NE	Laundry	1876	358348
A	108m SW	Railway Buildings	1877	319086
G	108m NE	Laundry	1962	350910
A	118m SW	Railway Building	1962	323654
G	138m NE	Laundry	1921	371174
2	141m W	Unspecified Quarry	1897	325687
G	141m NE	Laundry	1914	340854
3	155m SE	Railway Building	1921	323655
H	155m S	Railway Sidings	1876	371083
H	155m S	Railway Sidings	1936	343319



ID	Location	Land Use	Date	Group ID
I	161m SE	Railway Sidings	1876	372024
I	161m SE	Railway Sidings	1876	372024
G	162m NE	Laundry	1876	345821
G	162m NE	Laundry	1936	352639
J	169m E	Unspecified Heap	1970	353914
J	170m SE	Railway Sidings	1876	359462
J	170m SE	Railway Sidings	1936	343791
J	174m SE	Railway Sidings	1876	357922
J	174m SE	Railway Sidings	1876	359652
J	187m NE	Railway Sidings	1877	372317
4	190m NE	Grave Yard	1877	322933
J	190m E	Unspecified Heap	1921	373968
J	191m E	Unspecified Heap	1914	373968
K	192m SE	Railway Sidings	1921	346983
J	193m E	Unspecified Heap	1962	369057
J	194m E	Unspecified Ground Workings	1876	376426
J	194m E	Unspecified Ground Workings	1876	376426
L	195m SE	Railway Sidings	1876	377490
L	195m SE	Railway Sidings	1936	375337
J	195m E	Unspecified Ground Workings	1876	366987
J	195m E	Unspecified Ground Workings	1936	356033
C	195m SW	Railway Building	1897	375715
L	196m S	Railway Sidings	1962	368938
C	196m SW	Railway Building	1877	369730
C	196m SW	Railway Building	1936	366806
C	196m SW	Railway Building	1876	354072
C	197m SW	Engine Shed	1876	349128
C	197m SW	Engine Shed	1876	349128



ID	Location	Land Use	Date	Group ID
C	197m SW	Engine Shed	1914	363425
C	197m SW	Engine Shed	1876	368276
C	197m SW	Engine Shed	1936	368567
C	199m SW	Engine Shed	1962	345152
J	199m E	Unspecified Ground Workings	1897	371236
C	199m SW	Engine Shed	1921	363425
K	207m SE	Railway Building	1877	323656
M	208m S	Railway Sidings	1876	344435
M	208m S	Railway Sidings	1876	344435
B	212m S	Railway Buildings	1914	319087
B	217m S	Railway Building	1921	323652
L	219m SE	Railway Sidings	1876	378745
L	219m SE	Railway Sidings	1876	378745
B	220m S	Unspecified Tank	1962	320108
L	224m SE	Railway Sidings	1877	346859
N	228m NE	Police Station	1991	370596
N	228m NE	Police Station	1982	370596
N	228m NE	Police Station	1970	341735
J	233m E	Unspecified Heap	1921	343887
J	233m E	Unspecified Heap	1877	352994
K	233m SE	Railway Building	1921	323657
J	234m E	Unspecified Heap	1914	376725
O	240m S	Railway Sidings	1876	350958
O	240m S	Railway Sidings	1876	350958
C	246m SW	Railway Buildings	1876	319085
C	253m SW	Unspecified Depot	1982	321593
C	259m SW	Railway Building	1936	323653
C	275m SW	Unspecified Works	1991	320906



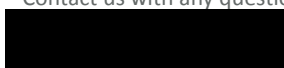
ID	Location	Land Use	Date	Group ID
C	279m SW	Railway Building	1876	368093
C	279m SW	Railway Building	1936	367159
C	279m SW	Railway Buildings	1914	319084
C	279m SW	Railway Building	1876	368093
C	279m SW	Railway Building	1876	368093
L	280m E	Railway Building	1877	323658
C	280m SW	Railway Building	1921	376258
P	283m N	Old Air Shaft	1914	352545
P	284m N	Old Air Shaft	1921	341393
P	289m N	Old Air Shaft	1897	352545
M	291m S	Railway Building	1921	323651
C	294m SW	Railway Building	1921	367159
M	298m S	Railway Buildings	1914	319088
M	301m S	Railway Building	1921	323650
M	311m S	Railway Building	1914	370059
M	316m S	Railway Building	1921	345193
M	334m S	Railway Buildings	1914	368515
M	338m S	Railway Buildings	1921	368515
R	354m SW	Unspecified Ground Workings	1914	342483
R	356m SW	Unspecified Heap	1921	362004
R	356m S	Unspecified Heap	1877	339857
R	359m SW	Unspecified Ground Workings	1876	350481
R	359m SW	Unspecified Ground Workings	1936	375281
C	361m SW	Goods Shed	1876	378889
C	361m SW	Goods Shed	1876	378889
C	362m SW	Goods Shed	1876	379833
C	362m SW	Good Shed	1936	323016
C	362m SW	Railway Building	1877	363492



ID	Location	Land Use	Date	Group ID
C	362m SW	Railway Building	1914	352460
S	363m NW	Unspecified Ground Workings	1876	348917
S	363m NW	Unspecified Ground Workings	1936	371303
C	364m SW	Goods Shed	1962	378889
C	366m SW	Goods Shed	1897	376109
C	369m SW	Railway Building	1921	340850
S	382m NW	Railway Sidings	1877	337522
S	389m NW	Unspecified Ground Workings	1897	347380
S	389m NW	Old Colliery	1921	360367
V	393m NE	Unspecified Old Shaft	1948	351531
S	394m NW	Colliery	1877	330879
S	399m NW	Unspecified Ground Workings	1936	365745
S	400m NW	Unspecified Pit	1914	335664
S	408m NW	Unspecified Ground Workings	1921	361793
C	416m SW	Unspecified Ground Workings	1876	369205
C	416m SW	Unspecified Ground Workings	1936	370244
W	417m E	Unspecified Heap	1876	355857
W	417m E	Unspecified Heap	1936	340154
W	417m E	Unspecified Heap	1914	350250
W	417m E	Unspecified Heap	1897	355857
C	418m SW	Unspecified Heap	1962	354499
C	418m SW	Unspecified Heap	1970	354499
C	418m SW	Cuttings	1877	357089
S	421m NW	Old Colliery	1914	359804
W	423m E	Unspecified Heap	1921	340154
W	423m E	Unspecified Heap	1877	355857
C	434m SW	Cuttings	1877	354087
V	436m NE	Unspecified Heap	1877	345942



ID	Location	Land Use	Date	Group ID
V	441m NE	Unspecified Old Shaft	1962	351531
V	441m NE	Unspecified Heap	1962	339548
V	441m NE	Old Coal Pit	1921	360283
C	442m SW	Unspecified Tank	1876	341627
C	442m SW	Unspecified Tank	1876	341627
S	445m NW	Old Colliery	1897	359804
C	446m SW	Unspecified Tank	1962	374111
V	448m NE	Unspecified Shaft	1921	378037
V	449m NE	Unspecified Shaft	1914	378037
V	449m NE	Unspecified Heap	1948	339548
V	451m NE	Unspecified Heap	1982	360350
V	451m NE	Unspecified Heap	1970	369806
V	453m NE	Unspecified Old Shaft	1935	371229
V	454m NE	Old Coal Pit	1897	365074
V	454m NE	Old Coal Pit	1914	370981
X	468m E	Railway Sidings	1921	366711
X	468m E	Railway Sidings	1877	352771
C	470m SW	Unspecified Heap	1877	327037
S	473m NW	Refuse Heap	1921	338817
C	476m SW	Unspecified Ground Workings	1876	378182
C	476m SW	Unspecified Ground Workings	1936	363897
C	477m SW	Cuttings	1877	354087
C	478m SW	Unspecified Ground Workings	1921	374086
X	478m E	Railway Sidings	1876	366352
X	478m E	Railway Sidings	1936	343361
V	481m NE	Unspecified Heap	1914	370872
V	481m NE	Unspecified Heap	1921	370872
6	483m E	Unspecified Ground Workings	1970	333727



ID	Location	Land Use	Date	Group ID
C	483m SW	Cuttings	1897	357089
C	484m SW	Unspecified Pit	1914	335663
Y	492m S	Unspecified Heap	1914	358890
Y	497m S	Unspecified Heap	1921	358890
X	500m E	Railway Sidings	1914	341561

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	22
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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 24 >](#)

ID	Location	Land Use	Date	Group ID
1	7m S	Unspecified Tank	1935	38304
A	66m S	Gasometer	1877	39893
A	74m S	Unspecified Tank	1899	38305
F	90m W	Unspecified Tank	1935	44268
F	90m W	Unspecified Tank	1919	44644
G	181m NE	Unspecified Tank	1967	42313
G	182m NE	Unspecified Tank	1966	42313
5	211m S	Unspecified Tank	1877	38306
B	215m S	Unspecified Tank	1877	42175
B	218m S	Unspecified Tank	1919	41914
B	220m S	Unspecified Tank	1966	40753
B	220m S	Unspecified Tank	1967	40753
B	220m S	Unspecified Tank	1935	44604
B	221m S	Unspecified Tank	1935	38302
B	222m S	Unspecified Tank	1899	38307



ID	Location	Land Use	Date	Group ID
C	274m SW	Unspecified Tank	1966	41613
C	275m SW	Unspecified Tank	1967	43143
C	275m SW	Unspecified Tank	1989	42661
C	424m SW	Unspecified Tank	1877	41458
C	424m SW	Unspecified Tank	1899	41458
C	424m SW	Unspecified Tank	1919	41458
C	425m SW	Unspecified Tank	1935	42172

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

12

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 24 >](#)

ID	Location	Land Use	Date	Group ID
A	66m S	Gasometer	1877	20033
E	69m SW	Electricity Substation	1999	23490
E	69m SW	Electricity Substation	1989	23490
Q	310m W	Electricity Substation	1989	20918
Q	310m W	Electricity Substation	1999	20918
C	343m SW	Electricity Substation	1999	19394
T	367m NW	Electricity Substation	1994	20506
T	369m NW	Electricity Substation	1989	21512
T	369m NW	Electricity Substation	1989	21512
U	391m NE	Electricity Substation	1989	20952
U	393m NE	Electricity Substation	1993	21958
U	393m NE	Electricity Transformer	1971	19854

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.

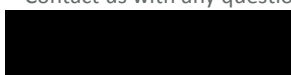
2.5 Historical garages

Records within 500m

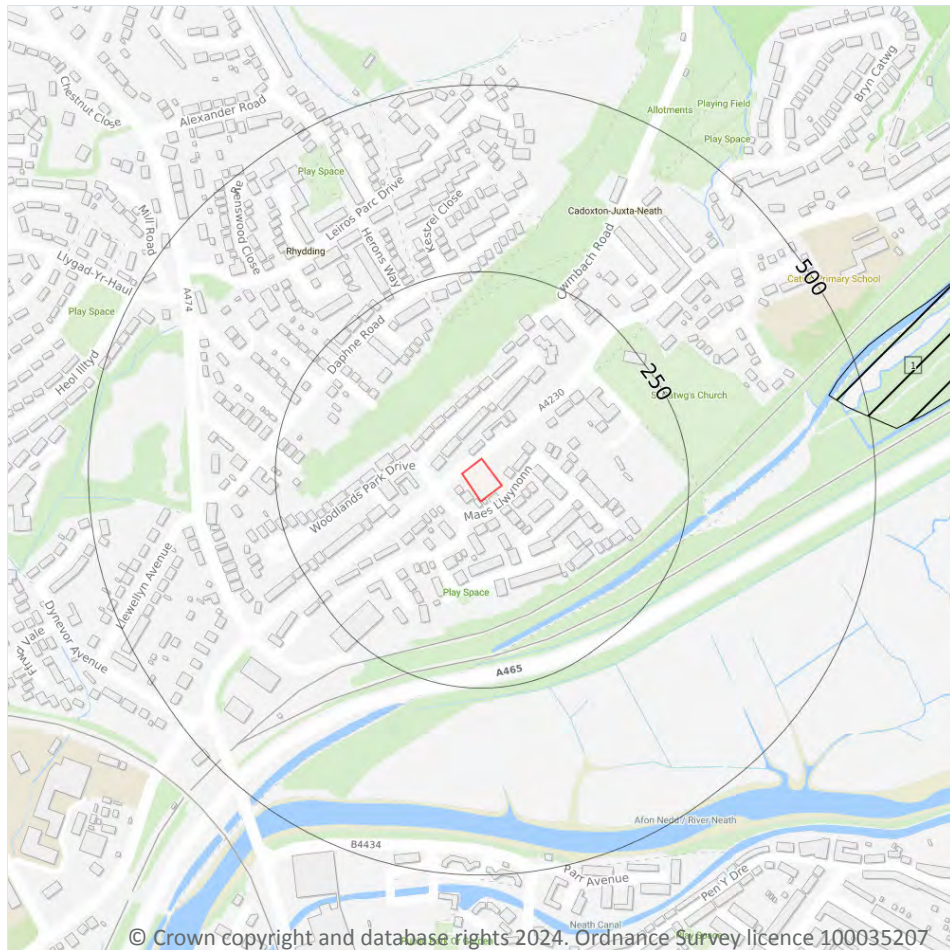
0

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)
- Historical landfill (EA/NRW)

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.

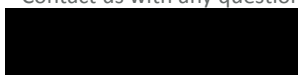
3.2 Historical landfill (BGS records)

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

1

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.

Features are displayed on the Waste and landfill map on [page 34 >](#)

ID	Location	Details		
1	453m E	Site Address: Cadoxton, Neath, West Glamorgan Licence Holder Address: -	Waste Licence: Yes Site Reference: - Waste Type: Inert, Industrial, Commercial, Household, Special Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 14/06/1977 Licence Surrender: 01/04/1985	Operator: - Licence Holder: Neath Borough Council First Recorded 31/12/1971 Last Recorded: 01/04/1985

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

3.5 Historical waste sites

Records within 500m

0

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

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

3.6 Licensed waste sites

Records within 500m

0

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

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

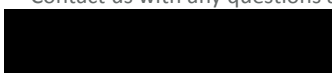
3.7 Waste exemptions

Records within 500m

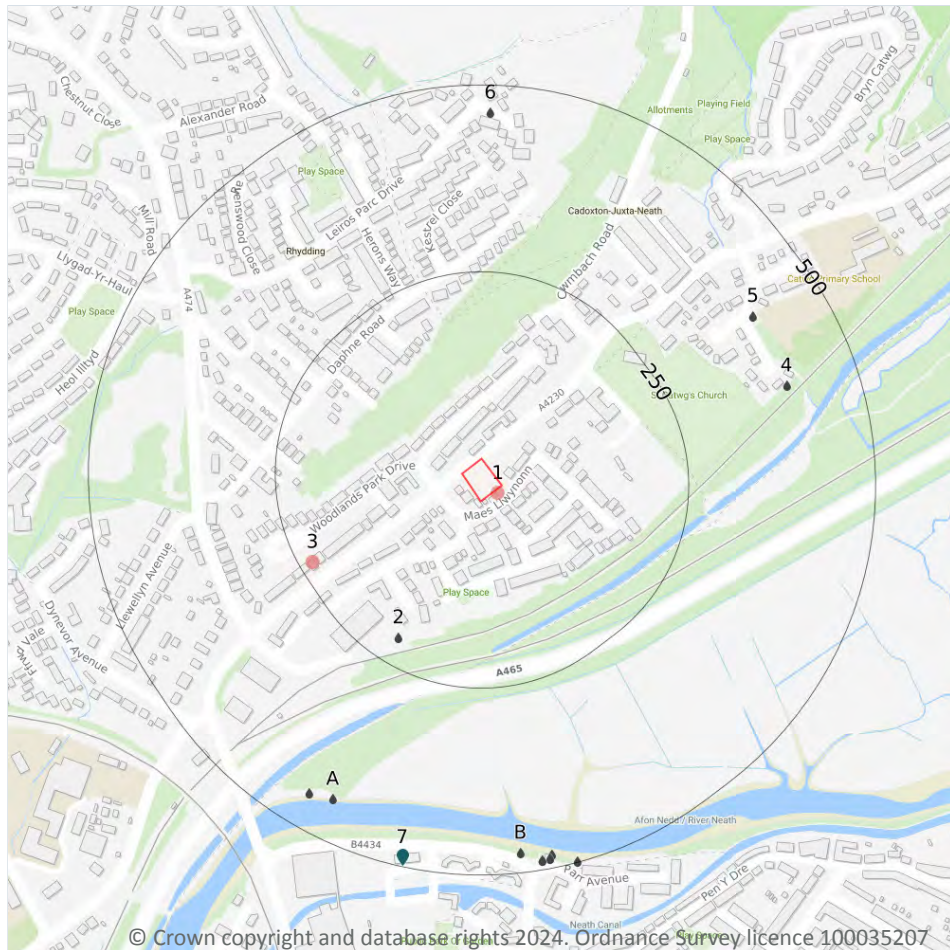
0

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

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



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters

4.1 Recent industrial land uses

Records within 250m

2

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 37](#) >

ID	Location	Company	Address	Activity	Category
1	5m SE	Electricity Sub Station	West Glamorgan, SA10	Electrical Features	Infrastructure and Facilities
3	233m SW	A B B	80, Woodlands Park Drive, Cadoxton, West Glamorgan, SA10 8AW	Electrical Production and Manipulation Equipment	Industrial Products

This data is sourced from Ordnance Survey.



Contact us with any questions at:



Date: 30 January 2024

4.2 Current or recent petrol stations

Records within 500m**0**

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m**0**

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m**0**

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m**0**

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m**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.

4.7 Regulated explosive sites

Records within 500m**0**

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m**0**

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m**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.

4.10 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.

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

Records within 500m**1**

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.

Features are displayed on the Current industrial land use map on [page 37 >](#)

ID	Location	Address	Details	
7	487m S	Wm. Morrison Supermarkets Plc, Angel Street, Neath, Neath Port Talbot, SA11 1RS	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No enforcements issued Date of enforcement: No enforcements issued Comment: No enforcements issued

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	0
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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.

4.13 Licensed Discharges to controlled waters

Records within 500m	15
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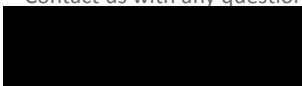
Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

Features are displayed on the Current industrial land use map on [page 37 >](#)

ID	Location	Address	Details	
2	213m SW	Cadoxton Road CSO Cadoxton Road, Lidl Loading Bay, Bevan Ave, Cadoxton, Neath, SA10 8AJ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: BP0353601 Permit Version: 0 Receiving Water: RIVER NEATH	Status: Effective Issue date: 24/10/2019 Effective Date: 24/10/2019 Revocation Date: -
4	403m E	CHURCH ROAD CSO CHURCH ROAD NEATH, CHURCH ROAD CSO, CHURCH ROAD, CADOXTON, NEATH	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: BP0353501 Permit Version: 1 Receiving Water: TRIB OF TENNANT CANAL	Status: Effective Issue date: 31/03/2006 Effective Date: 31/03/2006 Revocation Date: -
5	404m NE	Church Road CSO Church Road Neath, 12 Stanley Place, Cadoxton, Neath, SA10 8B	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: BP0353501 Permit Version: 0 Receiving Water: Tributary of the Tennant Canal	Status: Effective Issue date: 06/02/2020 Effective Date: 06/02/2020 Revocation Date: -



ID	Location	Address	Details	
A	445m SW	CADOXTON ROAD CSO CADOXTON ROAD, CADOXTON ROAD CSO, CADOXTON ROAD, NEATH, NEATH PORT TALBOT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: BP0353601 Permit Version: 1 Receiving Water: RIVER NEATH	Status: Effective Issue date: 31/03/2006 Effective Date: 31/03/2006 Revocation Date: -
A	453m SW	VALE OF NEATH RETAIL PARK PS, VALE OF NEATH RETAIL PARK PS, CADOXTON ROAD, NEATH, SA10 7AY	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: BP0271701 Permit Version: 0 Receiving Water: NEATH ESTUARY VIA CULVERT	Status: Effective Issue date: 21/08/1998 Effective Date: 21/08/1998 Revocation Date: -
6	463m N	NEATH TYCOCH FARMHOUSE THE RHYDDING, NEATH TYCOCH FARMHOUSE THE RHYDD, TYCOCH FARMHOUSE THE RHYDDINGS, THE RHYDDINGS	Effluent Type: UNSPECIFIED Permit Number: BP0020001 Permit Version: 1 Receiving Water: TO LAND	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 17/06/1986 Effective Date: 17/06/1986 Revocation Date: 01/08/1994
B	473m S	FARFIELD PS PRINCE OF WALES DRIVE, FARFIELD PS PRINCE OF WALES DRIV, PRINCE OF WALES DRIVE NEATH, NEATH	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: BP0255701 Permit Version: 1 Receiving Water: RIVER NEATH ESTURIAL WATERS	Status: Effective Issue date: 19/09/1996 Effective Date: 31/12/1997 Revocation Date: -
B	482m S	Fairfield SPS, Neath, Opp 4 Parr Ave, Neath, Neath Port Talbot, SA11 1RZ	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: BP0255701 Permit Version: 0 Receiving Water: Estuarial Waters of the River Neath	Status: Effective Issue date: 17/12/2019 Effective Date: 17/12/2019 Revocation Date: -
B	482m S	Fairfield SPS, Neath, Opp 4 Parr Ave, Neath, Neath Port Talbot, SA11 1RZ	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: BP0255701 Permit Version: 0 Receiving Water: Estuarial Waters of the River Neath	Status: Effective Issue date: 17/12/2019 Effective Date: 17/12/2019 Revocation Date: -



ID	Location	Address	Details	
B	486m S	Fairfield SPS Neath, Opp 4 Parr Ave, Neath, Neath Port Talbot, SA11 1RZ	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: BP0255701 Permit Version: 2 Receiving Water: Estuarial Waters of the River Neath	Status: Effective Issue date: 17/12/2019 Effective Date: 17/12/2019 Revocation Date: -
B	486m S	Fairfield SPS Neath, Opp 4 Parr Ave, Neath, Neath Port Talbot, SA11 1RZ	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: BP0255701 Permit Version: 2 Receiving Water: Estuarial Waters of the River Neath	Status: Effective Issue date: 17/12/2019 Effective Date: 17/12/2019 Revocation Date: -
B	487m S	FAIRFIELD OUTFALL TY'N-Y-CAEAU NEAT, FAIRFIELD OUTFALL TY'N-Y- CAEAU N, TY'N-Y-CAEAU NEATH, NEATH	Effluent Type: UNSPECIFIED Permit Number: BP0064307 Permit Version: 2 Receiving Water: ESTUARIAL WATERS OF RIVER NEAT	Status: REVOKED - UNSPECIFIED Issue date: 28/08/1992 Effective Date: 28/11/1992 Revocation Date: 28/03/1996
B	487m S	FAIRFIELD OUTFALL TY'N-Y-CAEAU NEAT, FAIRFIELD OUTFALL TY'N-Y- CAEAU N, TY'N-Y-CAEAU NEATH, NEATH	Effluent Type: UNSPECIFIED Permit Number: BP0064307 Permit Version: 3 Receiving Water: ESTUARIAL WATERS OF RIVER NEAT	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 28/03/1996 Effective Date: 29/03/1996 Revocation Date: 31/12/1997
B	487m S	FAIRFIELD OUTFALL TY'N-Y-CAEAU NEAT, FAIRFIELD OUTFALL TY'N-Y- CAEAU N, TY'N-Y-CAEAU NEATH, NEATH	Effluent Type: UNSPECIFIED Permit Number: BP0064307 Permit Version: 1 Receiving Water: ESTUARIAL WATERS OF RIVER NEAT	Status: REVOKED - UNSPECIFIED Issue date: 24/11/1987 Effective Date: 24/11/1987 Revocation Date: 27/11/1992
B	499m S	GNOLL PARK ROAD CSO GNOLL PARK RD, GNOLL PARK ROAD CSO, GNOLL PARK ROAD, NEATH, NEATH PORT TALBOT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: BP0353801 Permit Version: 1 Receiving Water: RIVER NEATH	Status: Effective Issue date: 31/03/2006 Effective Date: 31/03/2006 Revocation Date: -

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



4.14 Pollutant release to surface waters (Red List)

Records within 500m**0**

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

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

4.15 Pollutant release to public sewer

Records within 500m**0**

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m**0**

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

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

4.17 List 2 Dangerous Substances

Records within 500m**0**

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

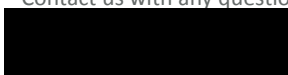
This data is sourced from the Environment Agency and Natural Resources Wales.

4.18 Pollution Incidents (EA/NRW)

Records within 500m**0**

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

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



4.19 Pollution inventory substances

Records within 500m**0**

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

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

4.20 Pollution inventory waste transfers

Records within 500m**0**

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

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

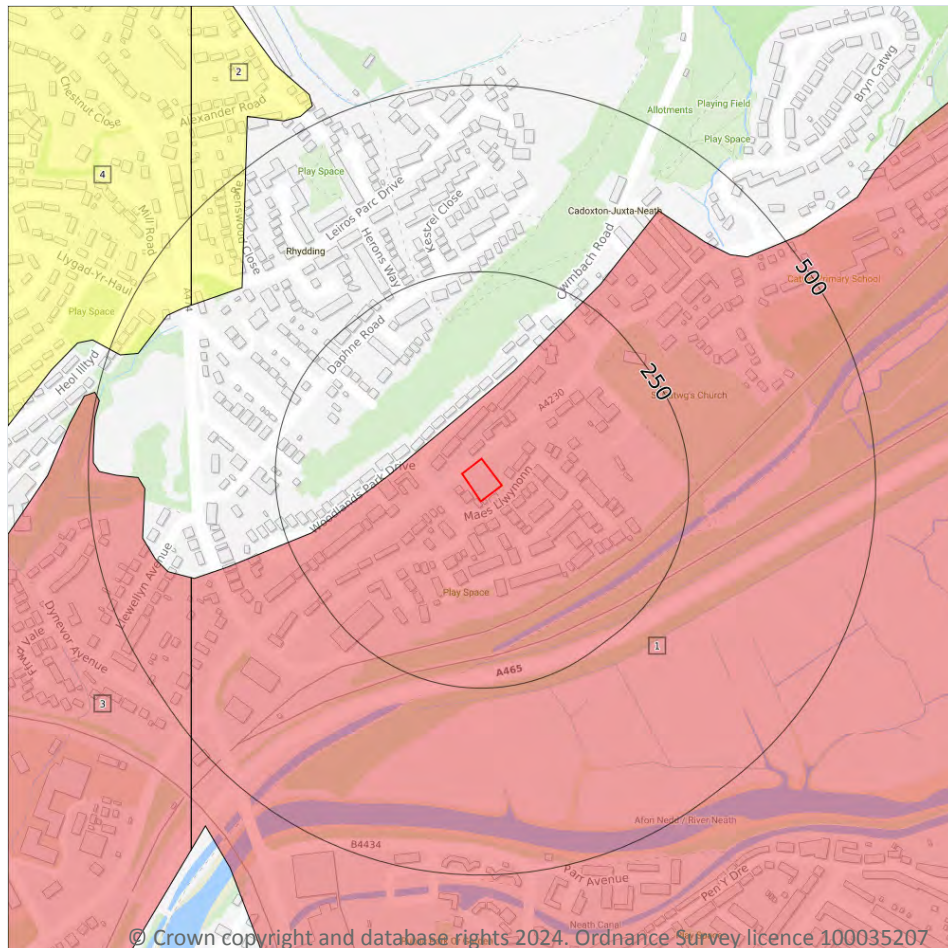
4.21 Pollution inventory radioactive waste

Records within 500m**0**

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

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

5 Hydrogeology - Superficial aquifer



- Site Outline
- Search buffers in metres (m)
- Principal
 - Secondary A
 - Secondary B
 - Secondary Undifferentiated
 - Unproductive
 - Unknown

5.1 Superficial aquifer

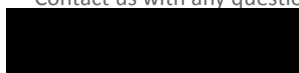
Records within 500m

4

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 45 >](#)

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	386m NW	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

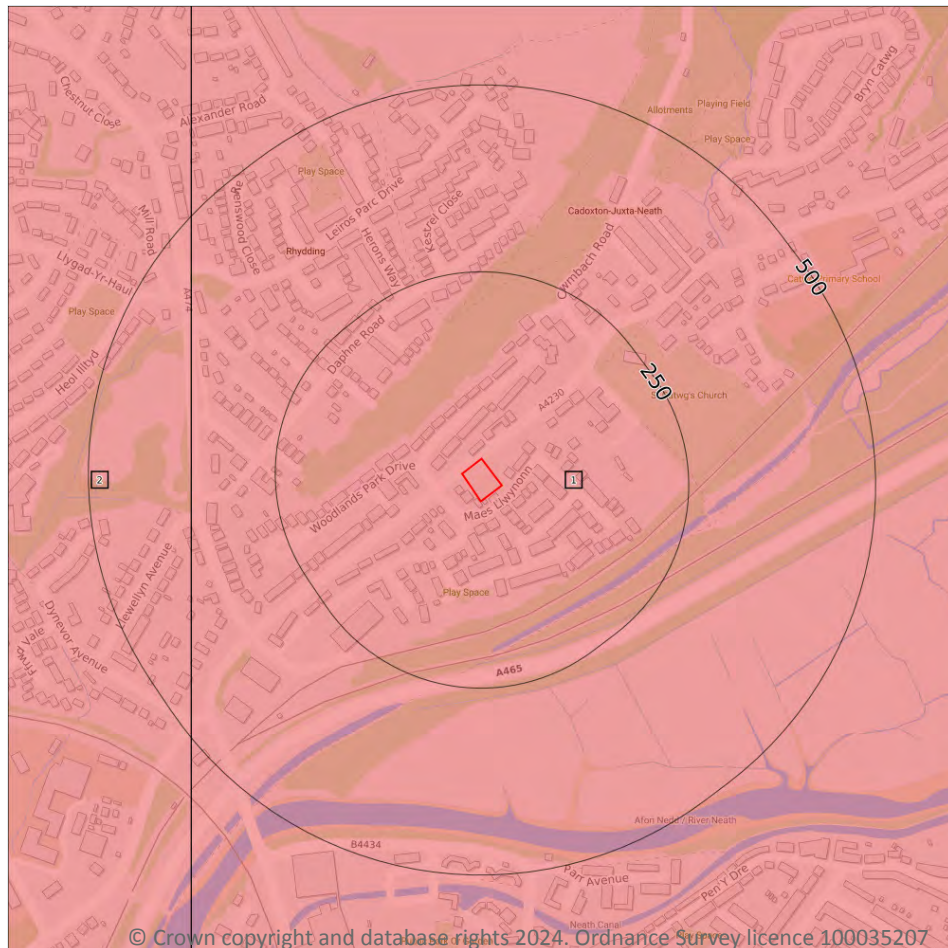


ID	Location	Designation	Description
3	388m W	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
4	427m NW	Secondary 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

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

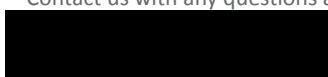
Records within 500m

2

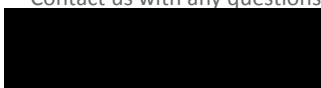
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 47 >](#)

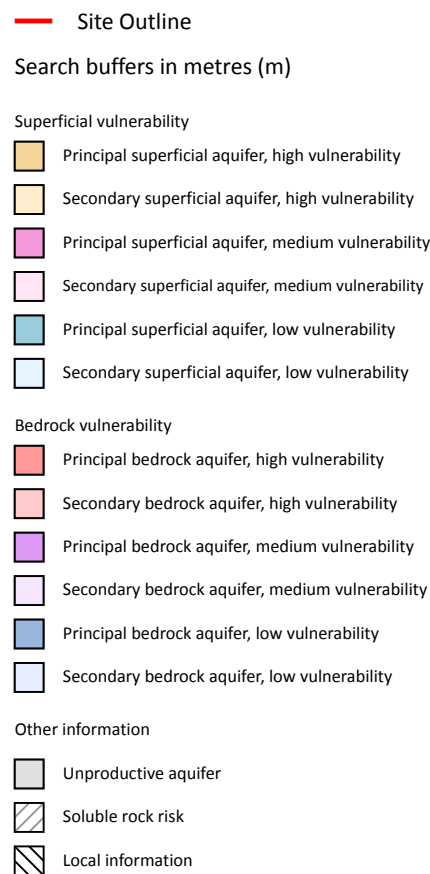
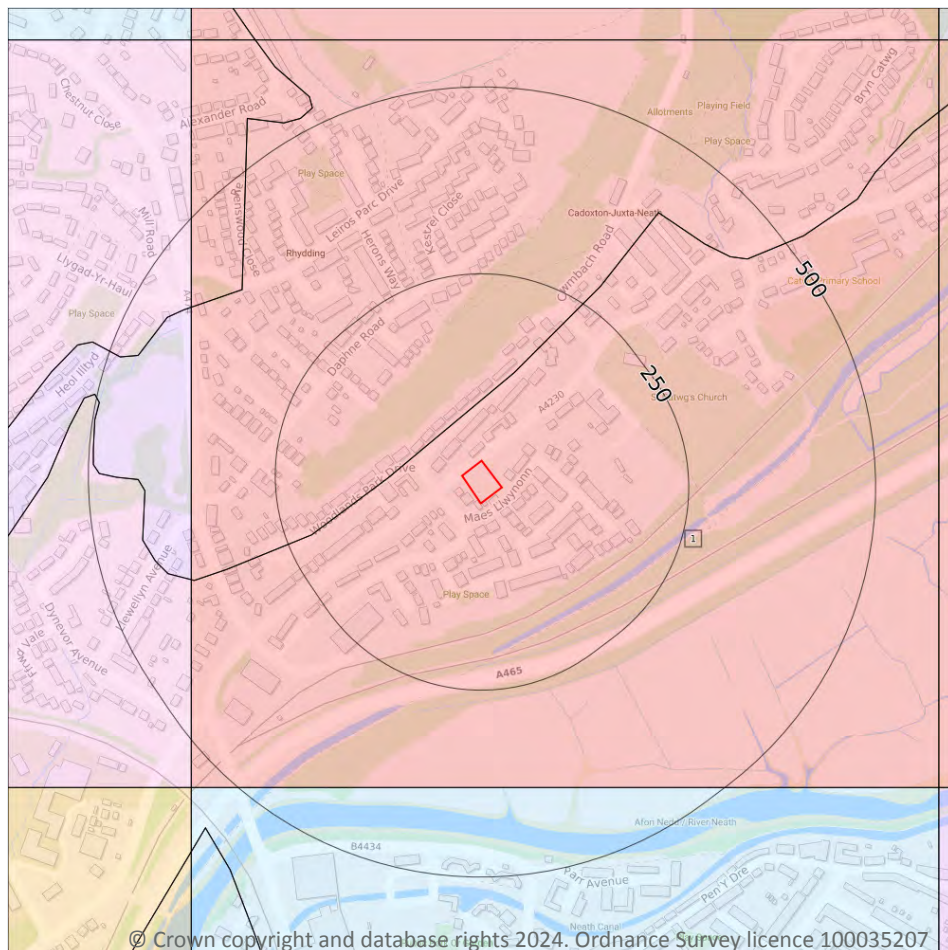
ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	362m W	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers



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



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

1

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 49](#) >



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

5

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

Features are displayed on the Abstractions and Source Protection Zones map on [page 51](#) >



ID	Location	Details	
-	956m NE	Status: Active Licence No: WA/058/0074/0010 Details: Spray Irrigation - Storage - High Direct Source: Borehole G1 Point: - Data Type: Point Name: - Easting: 275909 Northing: 199239	Annual Volume (m ³): 3500 Max Daily Volume (m ³): 35 Original Application No: - Original Start Date: 14/03/2018 Expiry Date: 31/03/2029 Issue No: - Version Start Date: - Version End Date: -
-	956m NE	Status: Active Licence No: WA/058/0074/0010 Details: General Washing / Process Washing - Medium Direct Source: Borehole G1 Point: - Data Type: Point Name: - Easting: 275909 Northing: 199239	Annual Volume (m ³): 146 Max Daily Volume (m ³): 0.4 Original Application No: - Original Start Date: 14/03/2018 Expiry Date: 31/03/2029 Issue No: - Version Start Date: - Version End Date: -
-	956m NE	Status: Historical Licence No: WA/058/0074/0010 Details: Spray Irrigation - Storage - High Direct Source: Borehole G1 Point: - Data Type: Point Name: - Easting: 275909 Northing: 199239	Annual Volume (m ³): 3500 Max Daily Volume (m ³): 84 Original Application No: - Original Start Date: 14/03/2018 Expiry Date: 31/03/2029 Issue No: - Version Start Date: - Version End Date: -
-	956m NE	Status: Historical Licence No: WA/058/0074/0010 Details: General Washing / Process Washing - Medium Direct Source: Borehole G1 Point: - Data Type: Point Name: - Easting: 275909 Northing: 199239	Annual Volume (m ³): 146 Max Daily Volume (m ³): 4.8 Original Application No: - Original Start Date: 14/03/2018 Expiry Date: 31/03/2029 Issue No: - Version Start Date: - Version End Date: -
-	957m NE	Status: Historical Licence No: 21/58/74/0027 Details: Spray Irrigation - Direct Direct Source: EAW Groundwater Point: U/G STRATA, PENNANT MEASURES SANDSTONE AT NEATH GOLF CLUB Data Type: Point Name: Neath Golf Club Easting: 275910 Northing: 199240	Annual Volume (m ³): 3500 Max Daily Volume (m ³): 35 Original Application No: - Original Start Date: 27/09/2004 Expiry Date: 31/03/2017 Issue No: 2 Version Start Date: 04/09/2008 Version End Date: -

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



5.7 Surface water abstractions

Records within 2000m

8

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.

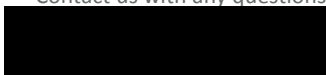
Features are displayed on the Abstractions and Source Protection Zones map on [page 51 >](#)

ID	Location	Details	
-	1136m NE	Status: Historical Licence No: 21/58/74/0018 Details: Spray Irrigation - Direct Direct Source: EAW Surface Water Point: SPRING 1 Data Type: Point Name: Neath Golf Club Easting: 276150 Northing: 199280	Annual Volume (m³): - Max Daily Volume (m³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 01/04/2000 Version End Date: -
-	1261m N	Status: Active Licence No: 21/58/74/0017 Details: Mineral Washing - Low Direct Source: unnamed stream Point: - Data Type: Point Name: - Easting: 274950 Northing: 199620	Annual Volume (m³): 36368 Max Daily Volume (m³): 204.6 Original Application No: - Original Start Date: 23/11/2023 Expiry Date: - Issue No: - Version Start Date: - Version End Date: -
-	1261m N	Status: Historical Licence No: 21/58/74/0017 Details: Mineral Washing - Low Direct Source: - Point: - Data Type: Point Name: - Easting: 274950 Northing: 199620	Annual Volume (m³): 36368 Max Daily Volume (m³): - Original Application No: - Original Start Date: 13/06/2008 Expiry Date: - Issue No: - Version Start Date: - Version End Date: -
-	1261m N	Status: Historical Licence No: 21/58/74/0017 Details: Mineral Washing Direct Source: EAW Surface Water Point: STREAM WEST OF GILFACH QUARRY, NEATH Data Type: Point Name: CEMEX UK Materials Ltd Easting: 274950 Northing: 199620	Annual Volume (m³): 36368 Max Daily Volume (m³): 204.6 Original Application No: - Original Start Date: 01/02/1975 Expiry Date: - Issue No: 101 Version Start Date: 13/06/2008 Version End Date: -



ID	Location	Details	
-	1383m NE	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: -
-	1542m E	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
-	1542m E	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: -
-	1612m E	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: -

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)

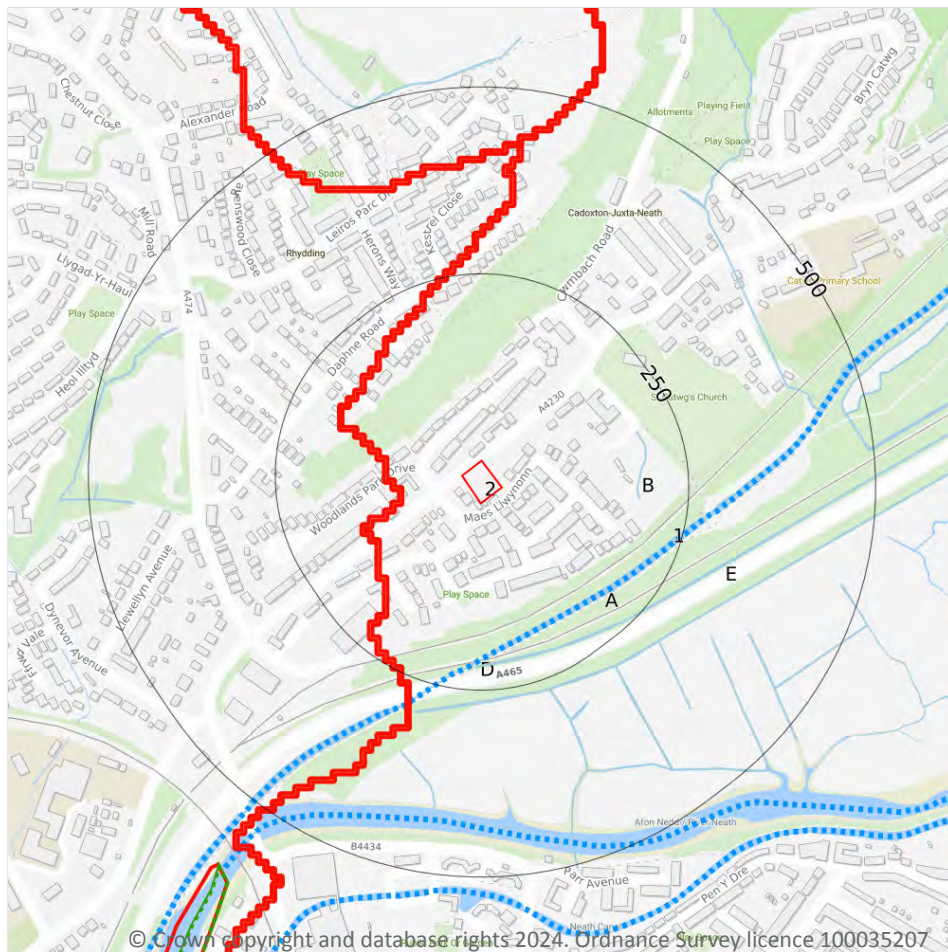
Records within 500m

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)

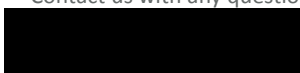
Records within 250m

8

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 56 >](#)

ID	Location	Type of water feature	Ground level	Permanence	Name
B	181m E	Marsh. An area that is predominantly waterlogged by freshwater.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
B	181m E	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	183m SE	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Tennant Canal
B	190m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	202m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	Tennant Canal
E	214m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	222m S	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Tennant Canal
D	232m S	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Tennant Canal

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

2

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 56](#) >

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 56 >](#)

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	2
---------------------------	----------

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 56 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
C	184m SE	Canal	Neath and Tennant	GB71010012				2018
11	428m 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 56 >](#)

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



— Site Outline
Search buffers in metres (m)

River and coastal flooding:

- High
- Medium
- Low
- Very Low
- Historical Flood Events
- Areas Used for Flood Storage
- Areas Benefiting from Flood Defences
- Flood Defences

7.1 Risk of flooding from rivers and the sea

Records within 50m

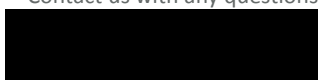
0

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.



Contact us with any questions at:



Date: 30 January 2024

7.2 Historical Flood Events

Records within 250m

1

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.

Features are displayed on the River and coastal flooding map on [page 59](#) >

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
B	214m SE	Neath 1979	1979-12-27 1979-12-27	Main river	Channel capacity exceeded (no raised defences)	Fluvial

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

8.1 Surface water flooding

Highest risk on site

Negligible

Highest risk within 50m

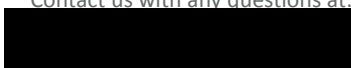
Negligible

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.

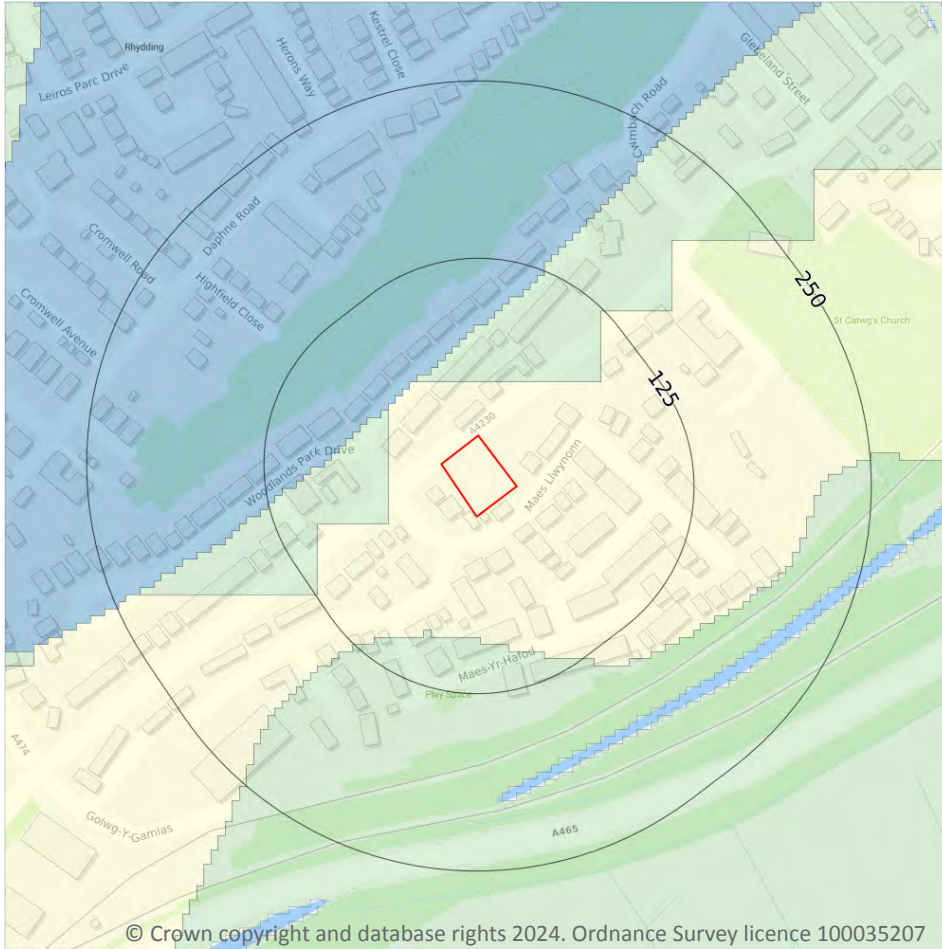
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site. The table below shows the maximum flood depths for a range of return periods for the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

Return period	Maximum modelled depth
1 in 1000 year	Negligible
1 in 250 year	Negligible
1 in 100 year	Negligible
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

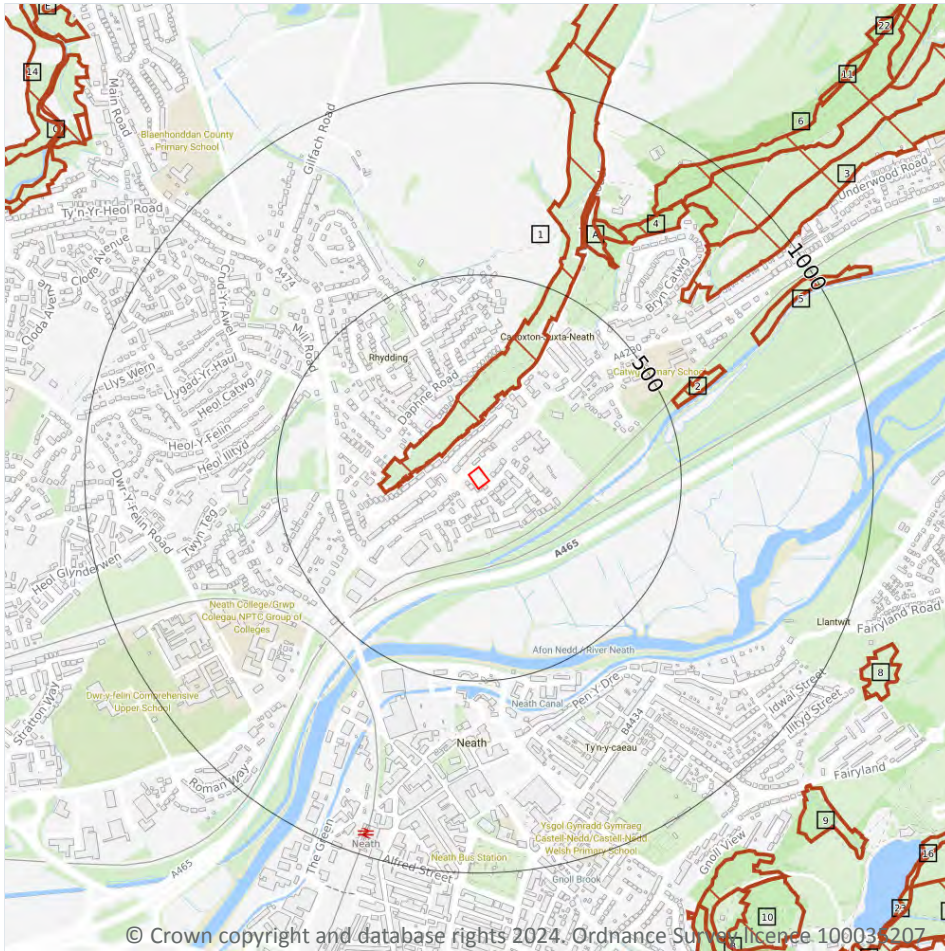
Moderate

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 63](#) >

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- + Local Nature Reserves (LNR)
- Designated Ancient Woodland

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

1

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.

Features are displayed on the Environmental designations map on [page 64 >](#)

ID	Location	Name	Data source
-	1911m S	Eaglesbush Valley	Natural Resources Wales

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

10.7 Designated Ancient Woodland

Records within 2000m

66

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 64 >](#)

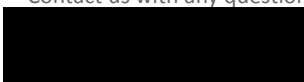
ID	Location	Name	Woodland Type
1	85m NW	Unknown	Ancient Semi Natural Woodland
2	522m E	Unknown	Ancient Semi Natural Woodland
A	627m NE	Unknown	Ancient Semi Natural Woodland
A	632m NE	Unknown	Ancient Semi Natural Woodland
A	674m NE	Unknown	Ancient Semi Natural Woodland
3	686m NE	Unknown	Restored Ancient Woodland Site
4	700m NE	Unknown	Ancient Semi Natural Woodland
5	785m NE	Unknown	Restored Ancient Woodland Site
6	804m NE	Unknown	Restored Ancient Woodland Site
7	833m NE	Unknown	Plantation on Ancient Woodland Site
8	1086m SE	Unknown	Ancient Semi Natural Woodland
9	1147m SE	Unknown	Ancient Semi Natural Woodland



ID	Location	Name	Woodland Type
B	1161m SE	Unknown	Ancient Semi Natural Woodland
B	1227m SE	Unknown	Ancient Semi Natural Woodland
10	1253m SE	Unknown	Restored Ancient Woodland Site
11	1301m NE	Unknown	Restored Ancient Woodland Site
C	1314m NW	Unknown	Restored Ancient Woodland Site
C	1319m NW	Unknown	Restored Ancient Woodland Site
-	1322m E	Unknown	Restored Ancient Woodland Site
-	1356m W	Unknown	Ancient Semi Natural Woodland
-	1366m N	Unknown	Ancient Semi Natural Woodland
14	1390m NW	Unknown	Restored Ancient Woodland Site
-	1431m W	Unknown	Restored Ancient Woodland Site
-	1461m W	Unknown	Ancient Semi Natural Woodland
-	1462m NW	Unknown	Ancient Semi Natural Woodland
16	1471m SE	Unknown	Plantation on Ancient Woodland Site
-	1471m E	Unknown	Ancient Semi Natural Woodland
-	1471m NE	Unknown	Plantation on Ancient Woodland Site
-	1493m E	Unknown	Plantation on Ancient Woodland Site
-	1495m SE	Unknown	Ancient Semi Natural Woodland
-	1503m E	Unknown	Plantation on Ancient Woodland Site
E	1511m NW	Unknown	Restored Ancient Woodland Site
22	1511m NE	Unknown	Restored Ancient Woodland Site
-	1514m SE	Unknown	Restored Ancient Woodland Site
23	1519m SE	Unknown	Ancient Semi Natural Woodland
-	1520m N	Unknown	Plantation on Ancient Woodland Site
G	1525m SE	Unknown	Restored Ancient Woodland Site
25	1538m SE	Unknown	Ancient Semi Natural Woodland
-	1544m E	Unknown	Plantation on Ancient Woodland Site
-	1550m W	Unknown	Ancient Semi Natural Woodland

ID	Location	Name	Woodland Type
G	1625m SE	Unknown	Restored Ancient Woodland Site
-	1641m E	Unknown	Ancient Semi Natural Woodland
E	1646m NW	Unknown	Restored Ancient Woodland Site
-	1647m N	Unknown	Restored Ancient Woodland Site
-	1705m NE	Unknown	Plantation on Ancient Woodland Site
-	1717m SE	Unknown	Ancient Semi Natural Woodland
-	1739m N	Unknown	Plantation on Ancient Woodland Site
-	1756m NW	Unknown	Restored Ancient Woodland Site
-	1797m E	Unknown	Ancient Semi Natural Woodland
-	1832m NW	Unknown	Restored Ancient Woodland Site
-	1844m W	Unknown	Restored Ancient Woodland Site
-	1849m NE	Unknown	Ancient Woodland Site of Unknown Category
-	1851m N	Unknown	Ancient Semi Natural Woodland
-	1853m E	Unknown	Plantation on Ancient Woodland Site
-	1862m W	Unknown	Restored Ancient Woodland Site
-	1886m NW	Unknown	Restored Ancient Woodland Site
-	1894m NE	Unknown	Ancient Woodland Site of Unknown Category
-	1902m W	Unknown	Ancient Semi Natural Woodland
-	1909m E	Unknown	Restored Ancient Woodland Site
-	1913m NE	Unknown	Plantation on Ancient Woodland Site
-	1920m W	Unknown	Restored Ancient Woodland Site
-	1959m SE	Unknown	Restored Ancient Woodland Site
-	1972m NE	Unknown	Restored Ancient Woodland Site
-	1979m NE	Unknown	Plantation on Ancient Woodland Site
-	1986m NW	Unknown	Restored Ancient Woodland Site
-	1988m S	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.

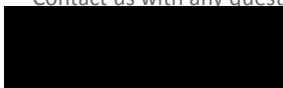
10.12 Proposed Ramsar sites

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.

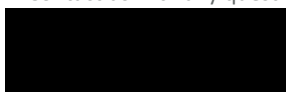
10.18 SSSI Units

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



- Site Outline
- Search buffers in metres (m)
- Listed buildings
- Conservation areas
- Conservation areas - no data
- National Parks
- Areas of Outstanding Natural Beauty
- Registered parks and gardens
- Scheduled Monuments
- World Heritage Sites

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**4**

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.

Features are displayed on the Visual and cultural designations map on [page 72 >](#)

ID	Location	Name	Grade	Reference Number	Listed date
1	213m NE	Monument In Churchyard Of St Cattwg, Situated Adjacent To Path Running From Sw Churchyard Gate To Church.	II	82089	26/11/2003
2	231m NE	Gates, Gate Piers, Walls And Railings At Church Of Saint Cattwg, On The Ne, Nw And Sw Sides Of The Churchyard On The Se Side Of Church Road.	II	82085	26/11/2003
3	244m NE	Church Of Saint Cattwg, In A Prominent Position On A Bend On The Se Side Of Church Road.	II*	11767	20/06/1963



ID	Location	Name	Grade	Reference Number	Listed date
4	248m W	Stench Pipe On Daphne Road / Cromwell Avenue, On The Nw Pavement At The Junction Of Daphne Road And Cromwell Avenue In The Rhyddings Area Of Neath. Not In A Conservation Area.	II	87879	28/09/2022

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.

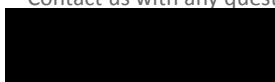
11.7 Registered Parks and Gardens

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

2

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.

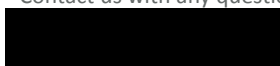
Features are displayed on the Agricultural designations map on [page 75](#) >

ID	Location	Classification	Description
2	130m S	Grade 3b	Moderate quality agricultural land
5	185m E	Grade 3b	Moderate quality agricultural land

This data is sourced from Natural Resources Wales.



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Date: 30 January 2024

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

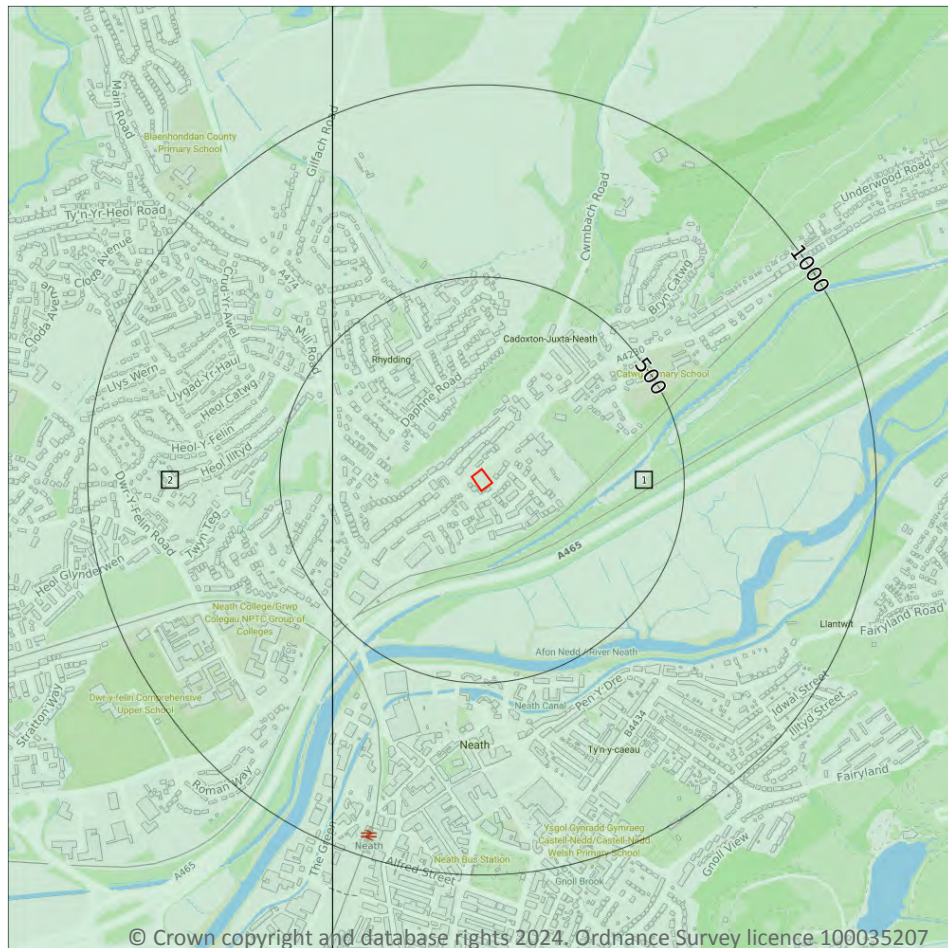
0

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 78](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	SS79NE
2	362m W	Full	Full	Full	Full	SS79NW

This data is sourced from the British Geological Survey.

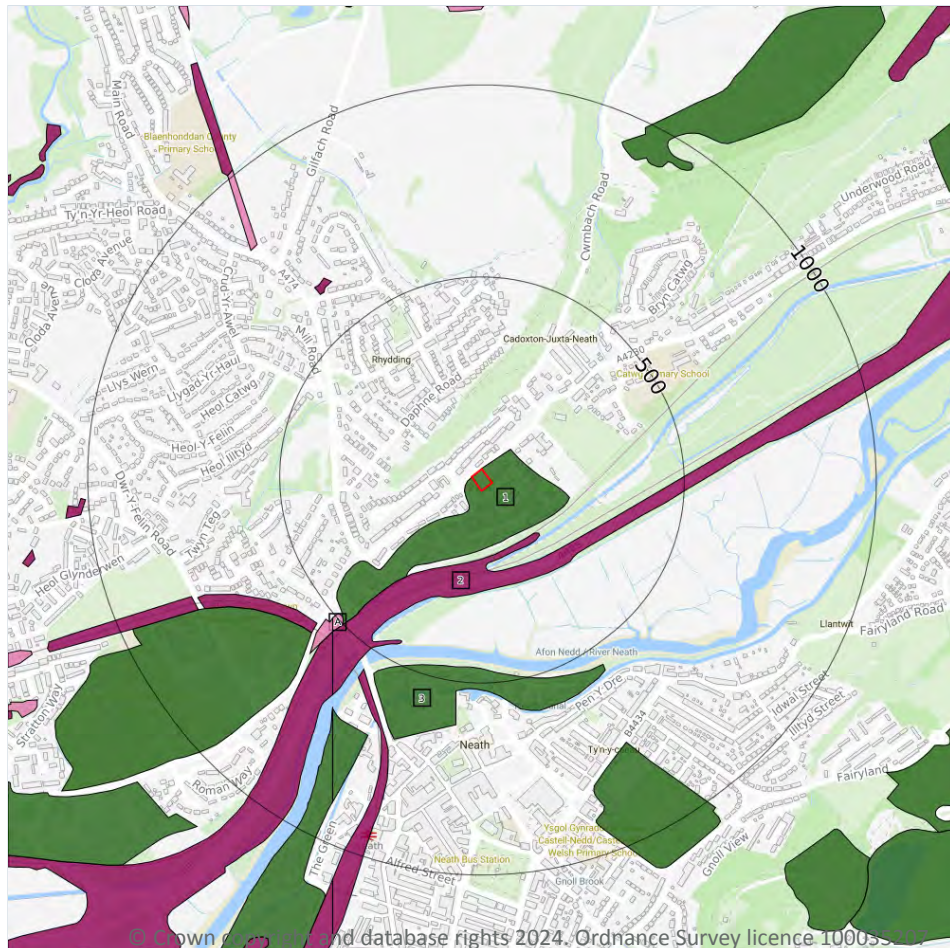


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Date: 30 January 2024

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)

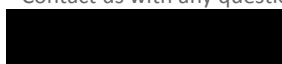
Records within 500m

4

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 79](#) >

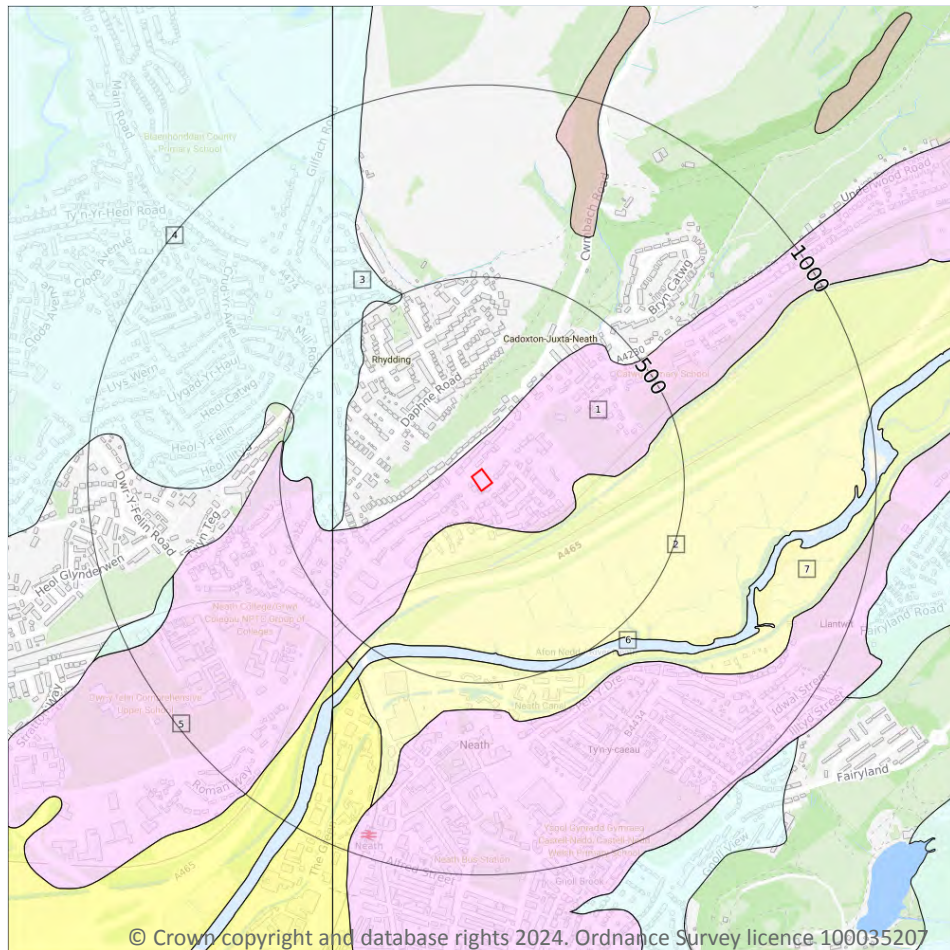
ID	Location	LEX Code	Description	Rock description
1	On site	LSGR-UNKNOWN	Landscaped Ground (Undivided)	Unknown/unclassified Entry
2	164m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
3	459m S	LSGR-UNKNOWN	Landscaped Ground (Undivided)	Unknown/unclassified Entry
A	488m SW	WGR-VOID	Worked Ground (Undivided)	Void



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 81](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	GFSDD-XSV	Glaciofluvial Sheet Deposits, Devensian - Sand And Gravel	Sand And Gravel
2	86m S	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
3	327m W	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton
4	362m W	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton



ID	Location	LEX Code	Description	Rock description
5	389m W	GFSDDD-XSV	Glaciofluvial Sheet Deposits, Devensian - Sand And Gravel	Sand And Gravel
6	413m S	SUPNM- UNKNOWN	Superficial Theme Not Mapped [for Digital Map Use Only] - Unknown/unclassified Entry	Unknown/unclassified Entry
7	440m S	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel

This data is sourced from the British Geological Survey.

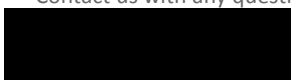
14.4 Landslip (10k)

Records within 500m

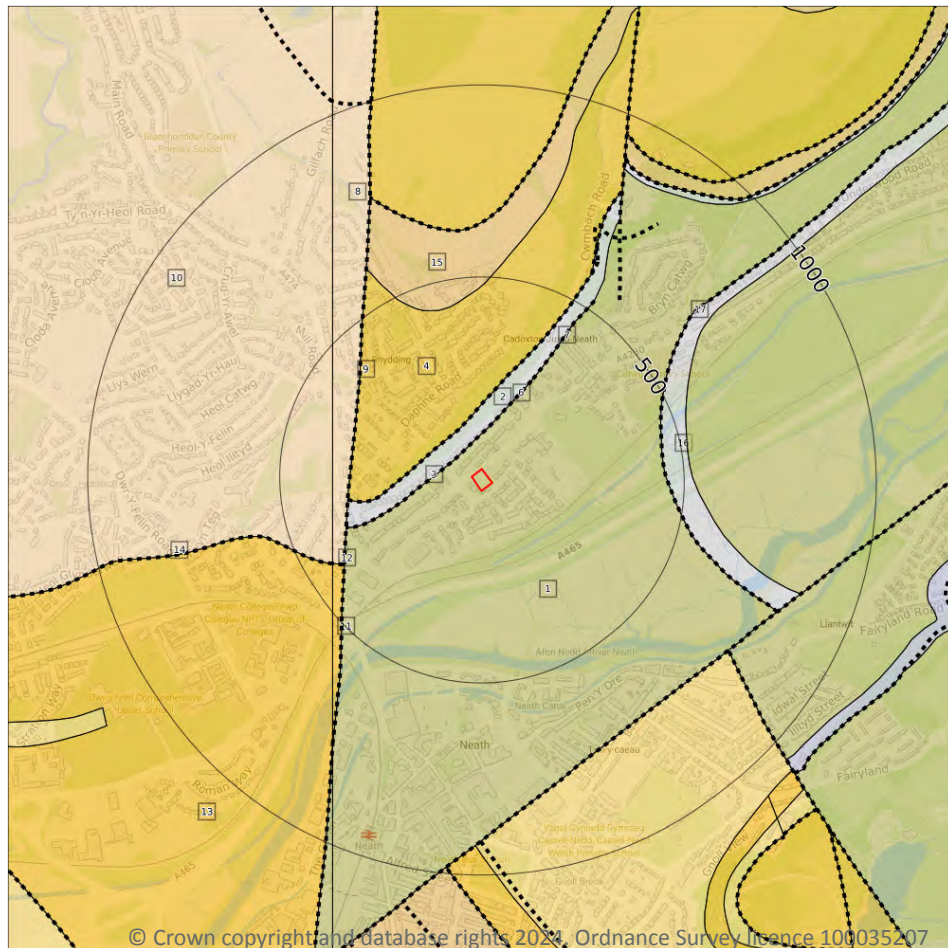
0

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



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)

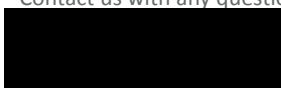
Records within 500m

9

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 83 >](#)

ID	Location	LEX Code	Description	Rock age
1	On site	BD-SDST	Brithdir Member - Sandstone	Westphalian D Sub-age
2	63m NW	BD-MDSS	Brithdir Member - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age
4	117m NW	H-SDST	Hughes Member - Sandstone	Westphalian D Sub-age
8	316m W	GDB-MDSS	Grovesend Formation - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age



ID	Location	LEX Code	Description	Rock age
10	362m W	GDB-MDSS	Grovesend Formation - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age
11	403m SW	SW-SDST	Swansea Member - Sandstone	Westphalian D Sub-age
13	427m SW	SW-SDST	Swansea Member - Sandstone	Westphalian D Sub-age
15	428m N	H-MDSS	Hughes Member - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age
16	448m E	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

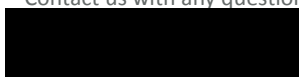
8

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 83 >](#)

ID	Location	Category	Description
3	63m NW	ROCK	Coal seam, inferred ()
5	117m NW	ROCK	Coal seam, inferred ()
6	145m N	ROCK	Coal seam, observed ()
7	255m NE	ROCK	Coal seam, inferred (HUGHES OR WENALLT)
9	316m W	FAULT	Normal fault, inferred
12	405m SW	ROCK	Coal seam, inferred ()
14	427m SW	ROCK	Coal seam, inferred ()
17	448m E	ROCK	Coal seam, inferred (GLYNGWILYM)

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.

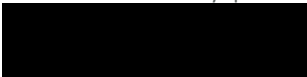
Features are displayed on the Geology 1:50,000 scale - Availability map on [page 85](#) >

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.



Contact us with any questions at:



Date: 30 January 2024

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



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

15.2 Artificial and made ground (50k)

Records within 500m

1

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

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on [page 86 >](#)

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

This data is sourced from the British Geological Survey.



15.3 Artificial ground permeability (50k)

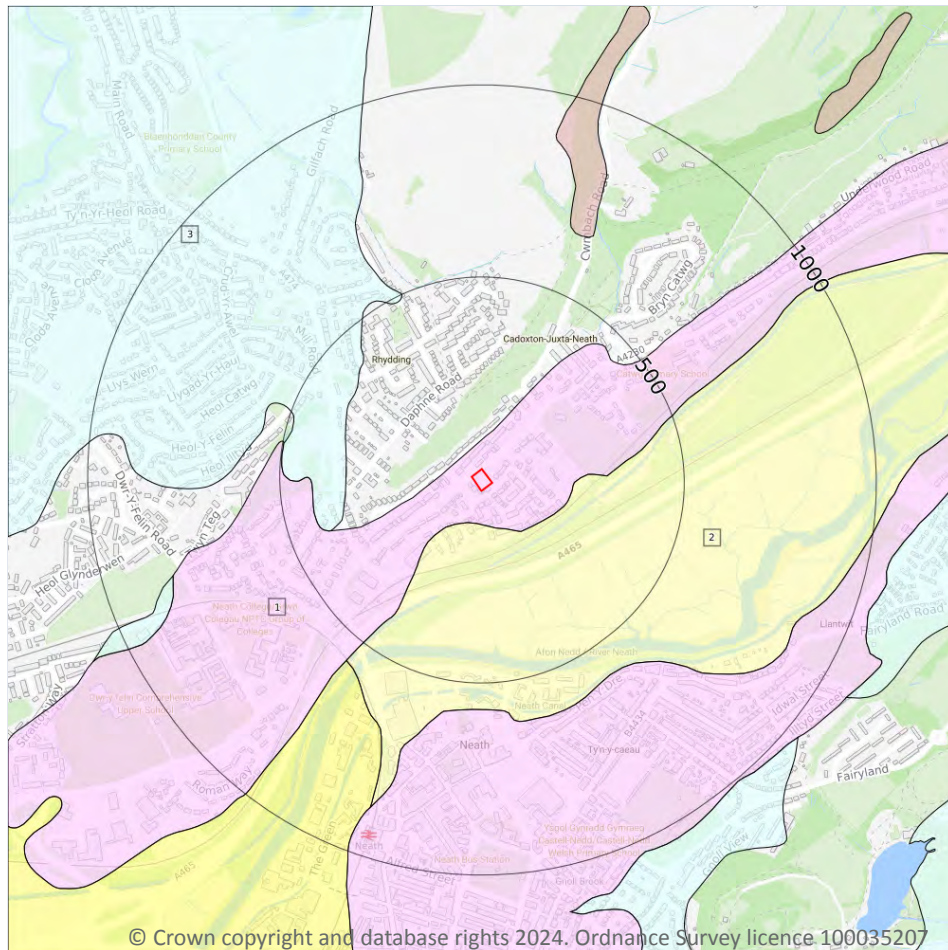
Records within 50m	1
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A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- Landslip (50k)
- Superficial geology (50k)
Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m

3

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 88](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	GFSDD-XSV	GLACIOFLUVIAL SHEET DEPOSITS, DEVENSIAN	SAND AND GRAVEL
2	86m S	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
3	327m W	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON

This data is sourced from the British Geological Survey.



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Date: 30 January 2024

15.5 Superficial 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 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

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.

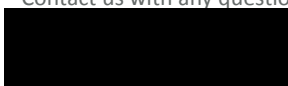
This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

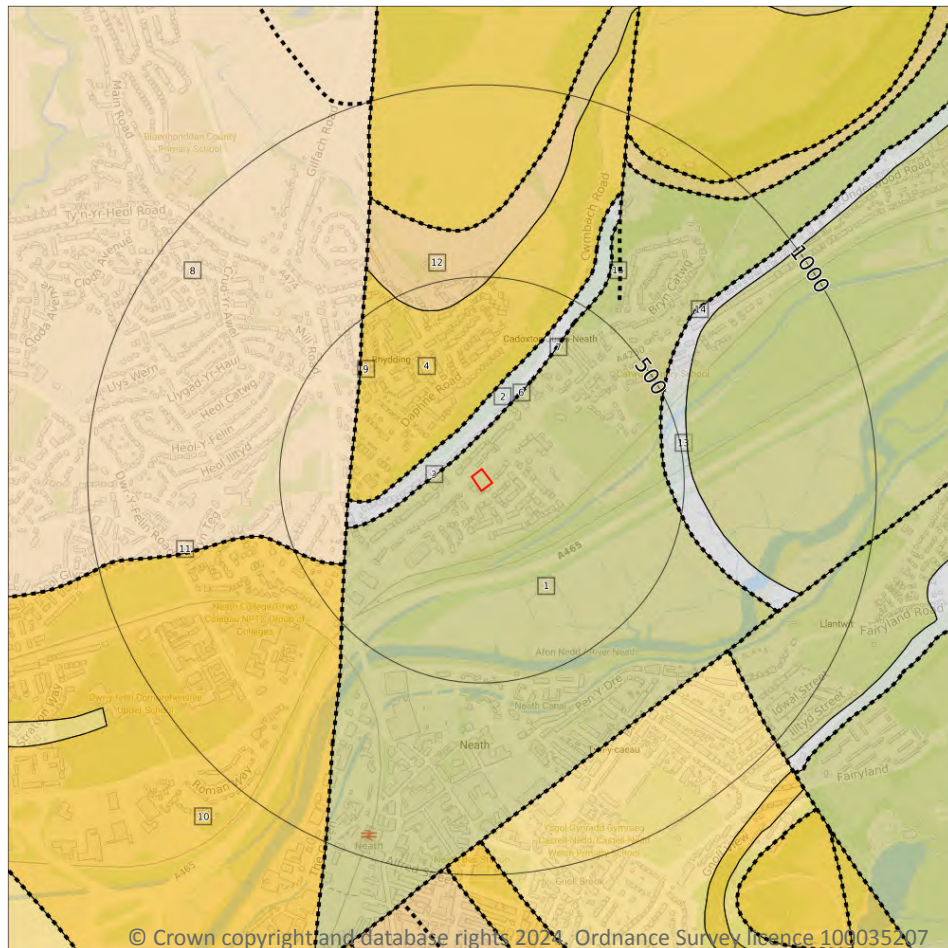
Records within 50m**0**

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)

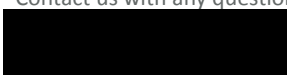
Records within 500m

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 90 >](#)

ID	Location	LEX Code	Description	Rock age
1	On site	BD-SDST	BRITHDIR MEMBER - SANDSTONE	WESTPHALIAN
2	63m NW	BD-MDSS	BRITHDIR MEMBER - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
4	117m NW	H-SDST	HUGHES MEMBER - SANDSTONE	WESTPHALIAN



ID	Location	LEX Code	Description	Rock age
8	316m W	GDB-MDSS	GROVESEND FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
10	403m SW	SW-SDST	SWANSEA MEMBER - SANDSTONE	WESTPHALIAN
12	428m N	H-MDSS	HUGHES MEMBER - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
13	448m E	BD-MDSS	BRITHDIR MEMBER - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock 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 bedrock (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Fracture	High	Moderate

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	8
----------------------------	----------

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.

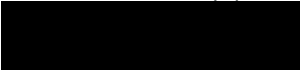
Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 90 >](#)

ID	Location	Category	Description
3	63m NW	ROCK	Coal seam, inferred
5	117m NW	ROCK	Coal seam, inferred
6	145m N	ROCK	Coal seam, observed
7	255m NE	ROCK	Coal seam, inferred
9	316m W	FAULT	Fault, inferred, displacement unknown
11	405m SW	ROCK	Coal seam, inferred

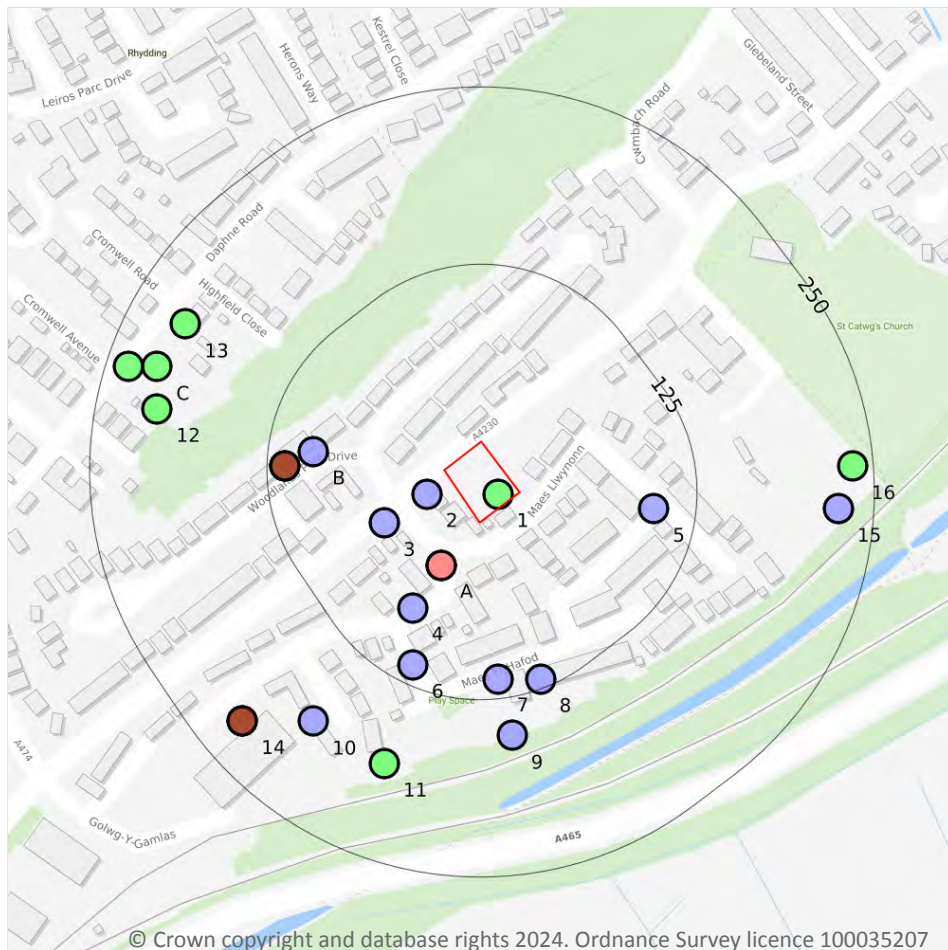


ID	Location	Category	Description
14	448m E	ROCK	Coal seam, inferred
15	451m NE	ROCK	Coal seam, observed

This data is sourced from the British Geological Survey.



16 Boreholes



— Site Outline
Search buffers in metres (m)

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

16.1 BGS Boreholes

Records within 250m

22

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 93](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	275400 198400	ROBERTSON RESEARCH NO.7	15.54	N	371002 ↗
2	20m W	275350 198400	CADOXTON ROAD/WOODLANDS PARK DRIVE TP 2	2.1	N	15048239 ↗



ID	Location	Grid reference	Name	Length	Confidential	Web link
A	41m SW	275360 198350	BREWERY, NEATH	42.98	N	371238 ↗
A	41m SW	275360 198350	VALE OF NEATH BREWRY. BH	42.98	N	371026 ↗
3	56m SW	275320 198380	CADOXTON ROAD/WOODLANDS PARK DRIVE TP 1	1.8	N	15048238 ↗
4	77m SW	275340 198320	CADOXTON NEATH 8A	3.6	N	15616869 ↗
B	93m W	275270 198430	ROBERTSON RESEARCH NO.25	3.35	N	371001 ↗
5	95m E	275510 198390	ROBERTSON RESEARCH NO.26	7.62	N	371003 ↗
6	111m S	275340 198280	CADOXTON NEATH 6	5.3	N	15616864 ↗
7	111m S	275400 198270	CADOXTON NEATH 5	6.2	N	15616863 ↗
B	112m W	275250 198420	BREWERY, NEATH	-1.0	N	371239 ↗
8	118m S	275430 198270	CADOXTON NEATH 4	4.5	N	15616861 ↗
9	152m S	275410 198230	CADOXTON NEATH 1	6.5	N	15616853 ↗
10	183m SW	275270 198240	CADOXTON NEATH 3	5.75	N	15616860 ↗
11	183m S	275320 198210	CADOXTON NEATH 2	15.8	N	15616858 ↗
12	207m W	275160 198460	ROBERTSON RESEARCH NO.24	23.16	N	371000 ↗
13	209m NW	275180 198520	4 DAPHNE ROAD NEATH 1	12.0	N	371127 ↗
C	215m W	275160 198490	4 DAPHNE ROAD NEATH 3	14.0	N	371129 ↗
14	218m SW	275220 198240	G.W.R. LOCC SHEDS, NEATH	-1.0	N	371076 ↗
15	225m E	275640 198390	ROBERTSON RESEARCH. TRIAL PIT NO.4	3.05	N	371007 ↗
C	234m W	275140 198490	4 DAPHNE ROAD NEATH 2	12.8	N	371128 ↗
16	235m E	275650 198420	ROBERTSON RESEARCH NO.8	15.54	N	371004 ↗

This data is sourced from the British Geological Survey.

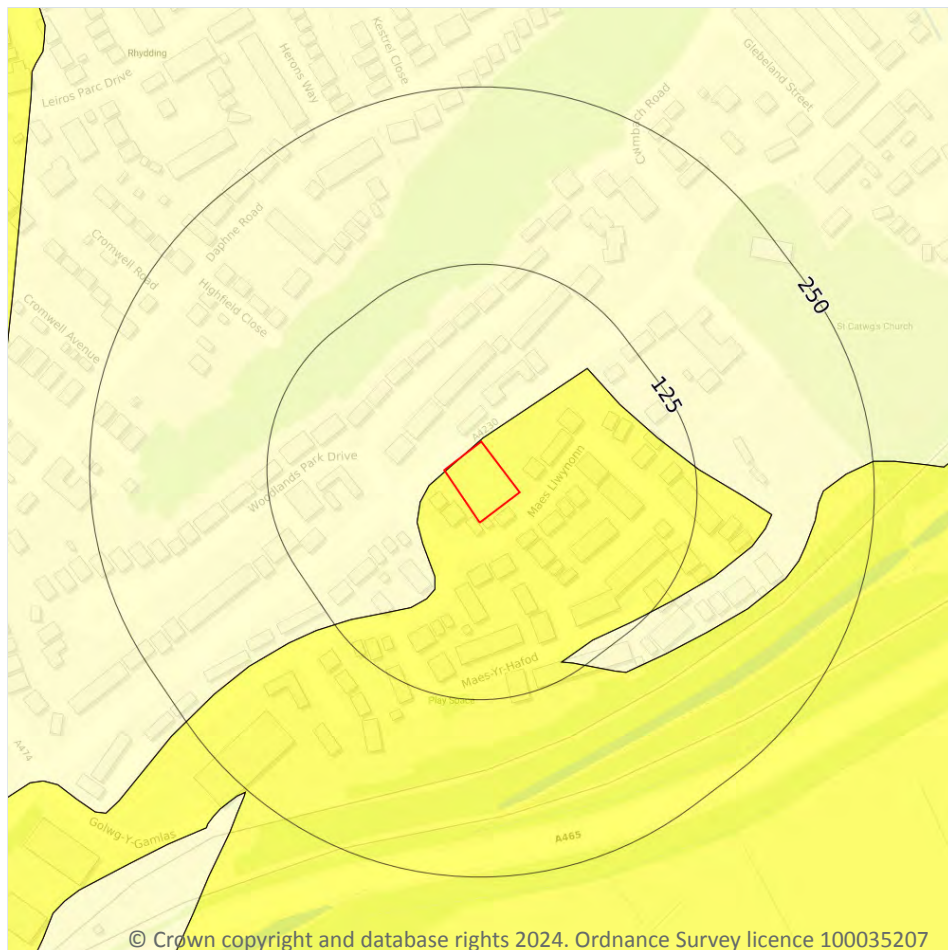


Contact us with any questions at:



Date: 30 January 2024

17 Natural ground subsidence - Shrink swell clays



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

17.1 Shrink swell clays

Records within 50m

2

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

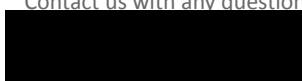
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 95 >](#)

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

This data is sourced from the British Geological Survey.



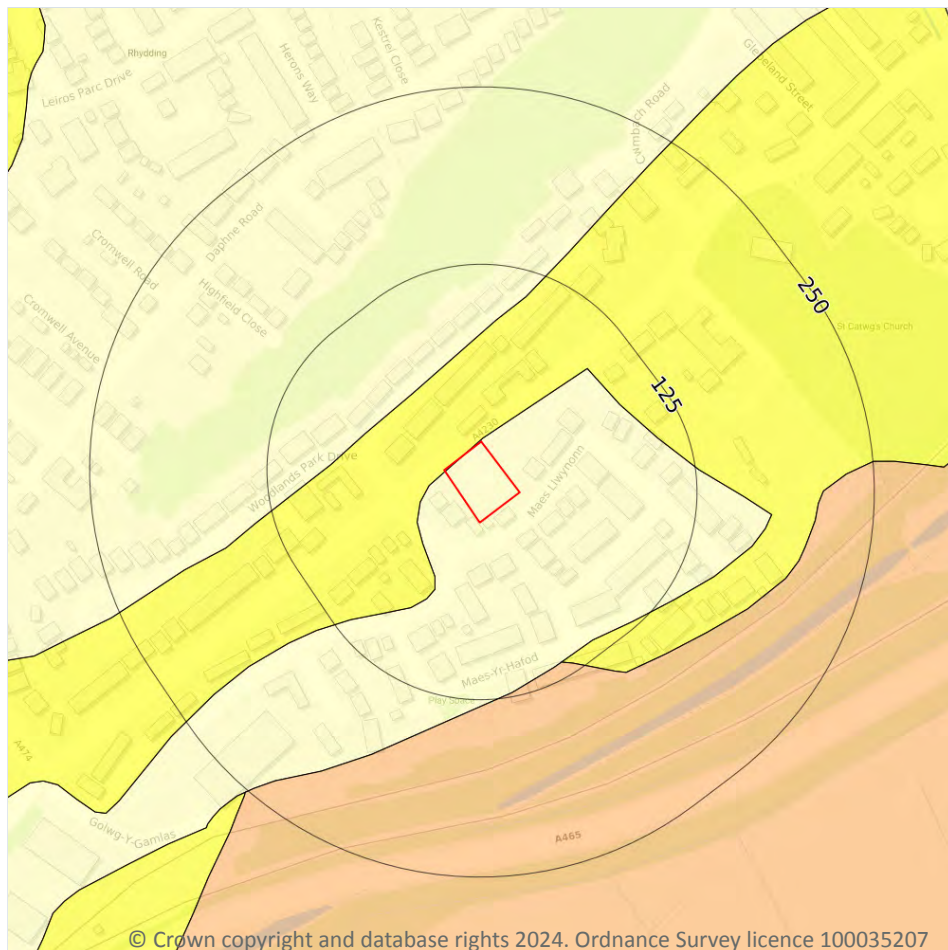
Contact us with any questions at:



Date: 30 January 2024

95

Natural ground subsidence - Running sands



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

17.2 Running sands

Records within 50m

2

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.

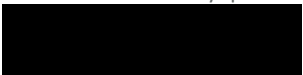
Features are displayed on the Natural ground subsidence - Running sands map on [page 96 >](#)

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.

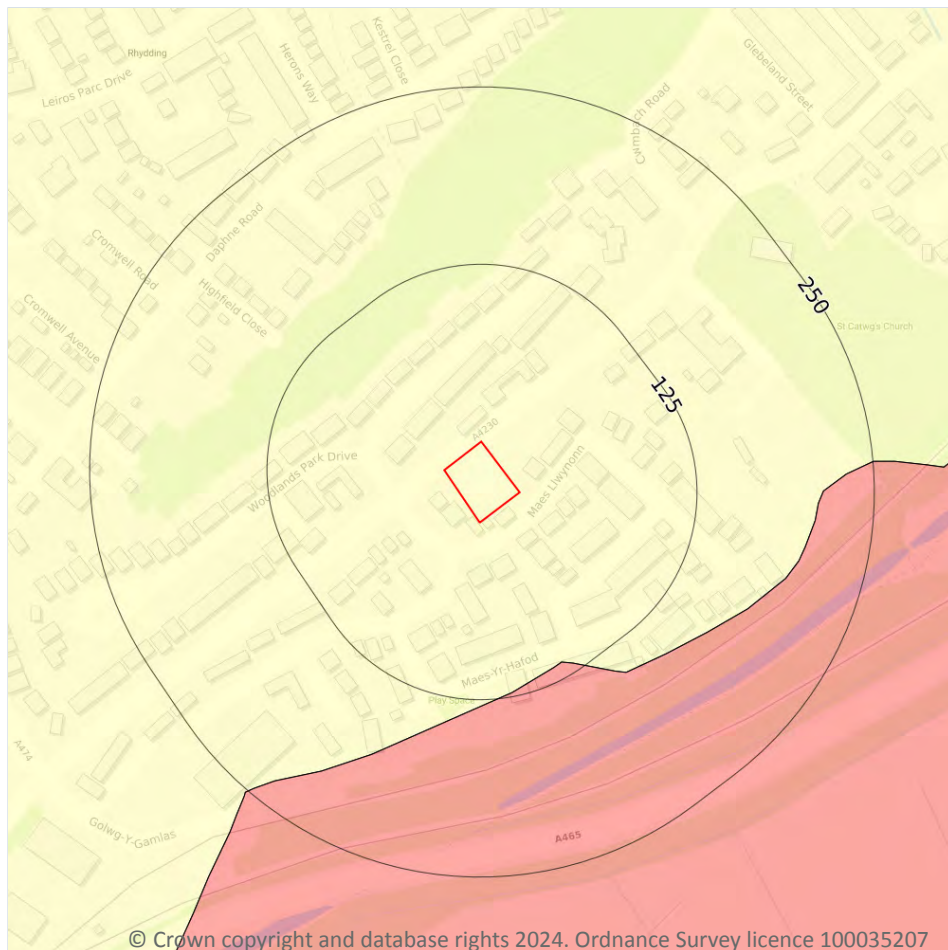


Location	Hazard rating	Details
On site	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

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

1

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

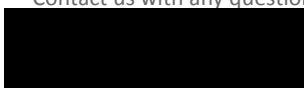
Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 98](#) >

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

This data is sourced from the British Geological Survey.

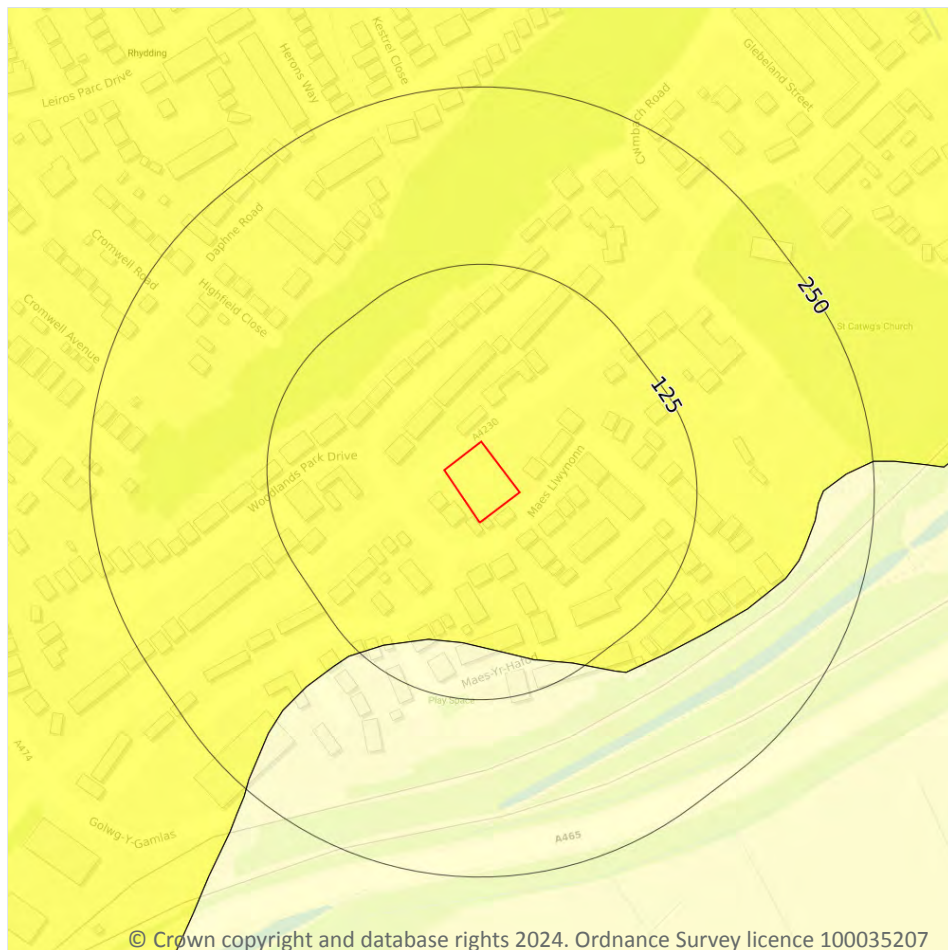


Contact us with any questions at:



Date: 30 January 2024

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

1

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

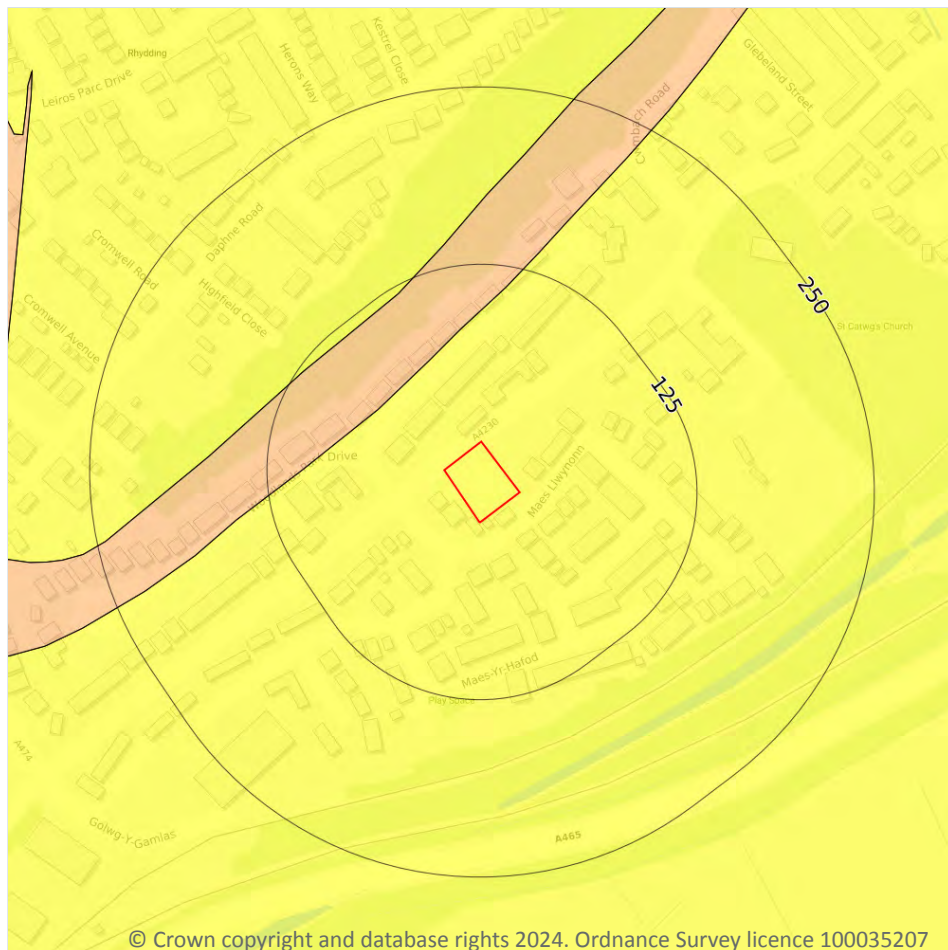
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 99](#) >

Location	Hazard rating	Details
On site	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

1

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

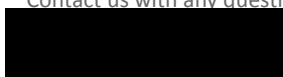
Features are displayed on the Natural ground subsidence - Landslides map on [page 100 >](#)

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

This data is sourced from the British Geological Survey.



Contact us with any questions at:



Date: 30 January 2024



Natural ground subsidence - Ground dissolution of soluble rocks



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

17.6 Ground dissolution of soluble rocks

Records within 50m

1

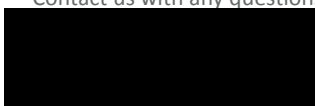
The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 101](#) >

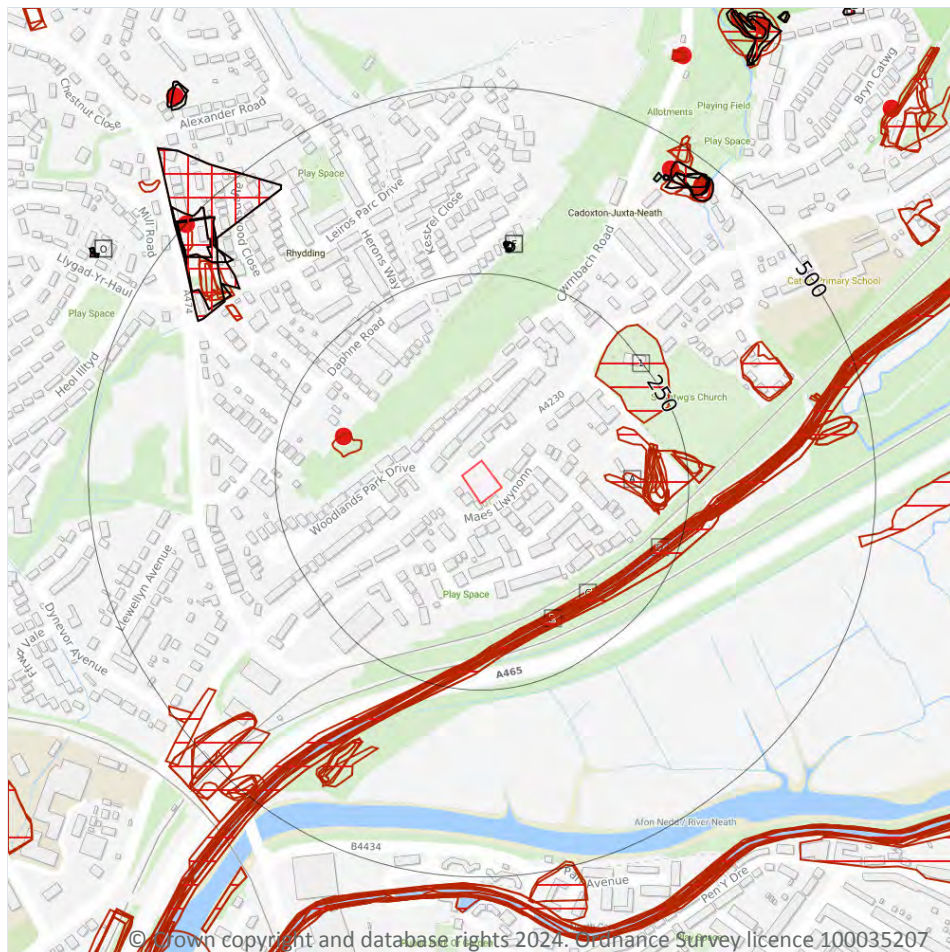
Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.



This data is sourced from the British Geological Survey.



18 Mining and ground workings



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

18.1 BritPits

Records within 500m

4

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 103](#) >



ID	Location	Details	Description
B	166m W	Name: Crown Inn Address: Rhydding, NEATH, West Glamorgan Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
L	464m NE	Name: Cadoxton Lodge Address: Rhydding, NEATH, West Glamorgan Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
L	472m NE	Name: Cadoxton Lodge Address: Rhydding, NEATH, West Glamorgan Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
I	499m NW	Name: Bryn-tirion Address: Rhydding, NEATH, West Glamorgan Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m

28

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 103 >](#)

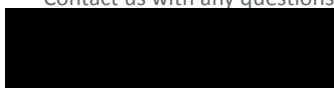


ID	Location	Land Use	Year of mapping	Mapping scale
A	138m E	Pond	1991	1:10000
B	141m W	Unspecified Quarry	1897	1:10560
A	163m E	Pond	1897	1:10560
A	169m E	Unspecified Heap	1970	1:10000
C	173m SE	Canal	1914	1:10560
C	174m SE	Canal	1876	1:10560
C	174m SE	Canal	1876	1:10560
C	176m SE	Canal	1876	1:10560
C	176m SE	Canal	1936	1:10560
C	176m SE	Canal	1897	1:10560
D	178m SE	Canal	1991	1:10000
E	178m SE	Canal	1962	1:10560
E	178m SE	Canal	1982	1:10000
E	180m SE	Canal	1921	1:10560
E	180m SE	Canal	1877	1:10560
D	181m SE	Canal	1970	1:10000
1	190m NE	Grave Yard	1877	1:10560
A	190m E	Unspecified Heap	1921	1:10560
A	191m E	Unspecified Heap	1914	1:10560
A	193m E	Unspecified Heap	1962	1:10560
A	194m E	Unspecified Ground Workings	1876	1:10560
A	194m E	Unspecified Ground Workings	1876	1:10560
A	195m E	Unspecified Ground Workings	1876	1:10560
A	195m E	Unspecified Ground Workings	1936	1:10560
A	199m E	Unspecified Ground Workings	1897	1:10560
A	233m E	Unspecified Heap	1921	1:10560
A	233m E	Unspecified Heap	1877	1:10560
A	234m E	Unspecified Heap	1914	1:10560

This is data is sourced from Ordnance Survey/Groundsure.



Contact us with any questions at:



Date: 30 January 2024

18.3 Underground workings

Records within 1000m

55

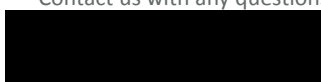
Historical land uses identified from Ordnance Survey mapping that indicate the presence of underground workings e.g. mine shafts.

Features are displayed on the Mining and ground workings map on [page 103 >](#)

ID	Location	Land Use	Year of mapping	Mapping scale
F	282m N	Air Shaft	1877	1:10560
F	283m N	Old Air Shaft	1914	1:10560
F	284m N	Old Air Shaft	1921	1:10560
F	289m N	Old Air Shaft	1897	1:10560
I	389m NW	Old Colliery	1921	1:10560
I	394m NW	Colliery	1877	1:10560
I	421m NW	Old Colliery	1914	1:10560
L	441m NE	Unspecified Old Shaft	1962	1:10560
L	441m NE	Old Coal Pit	1921	1:10560
I	445m NW	Old Colliery	1897	1:10560
L	448m NE	Unspecified Shaft	1921	1:10560
L	449m NE	Unspecified Shaft	1914	1:10560
L	453m NE	Unspecified Old Shaft	1935	1:10560
L	454m NE	Old Coal Pit	1897	1:10560
L	454m NE	Old Coal Pit	1914	1:10560
O	568m NW	Old Air Shaft	1921	1:10560
O	568m NW	Air Shaft	1877	1:10560
O	572m NW	Air Shaft	1948	1:10560
O	576m NW	Old Air Shaft	1914	1:10560
O	576m NW	Old Air Shaft	1897	1:10560
O	576m NW	Air Shaft	1935	1:10560
R	620m NW	Coal Pit	1877	1:10560
R	625m NW	Old Coal Level	1897	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
T	638m NE	Old Coal Level	1897	1:10560
T	642m NE	Old Coal Level	1914	1:10560
T	673m NE	Unspecified Old Level	1935	1:10560
T	713m NE	Old Coal Level	1921	1:10560
T	714m NE	Old Coal Level	1914	1:10560
-	734m N	Unspecified Level	1991	1:10000
-	734m N	Unspecified Level	1982	1:10000
-	734m N	Unspecified Level	1970	1:10000
-	734m N	Unspecified Old Level	1962	1:10560
-	734m N	Old Coal Level	1897	1:10560
-	737m N	Old Coal Level	1921	1:10560
-	737m N	Old Coal Level	1914	1:10560
-	738m N	Unspecified Old Level	1935	1:10560
Z	769m NE	Unspecified Old Level	1948	1:10560
-	784m NE	Old Air Shaft	1921	1:10560
-	786m NE	Old Air Shaft	1914	1:10560
-	846m N	Coal Pit	1897	1:10560
-	849m N	Coal Pit	1877	1:10560
-	895m N	Old Air Shaft	1921	1:10560
-	897m N	Air Shaft	1877	1:10560
-	902m N	Old Air Shaft	1897	1:10560
-	960m W	Unspecified Old Shaft	1914	1:10560
-	960m W	Unspecified Old Shaft	1921	1:10560
-	961m W	Unspecified Old Shaft	1914	1:10560
-	986m N	Unspecified Old Drift	1962	1:10560
-	990m N	Unspecified Old Drift	1948	1:10560
-	992m N	Unspecified Old Drift	1935	1:10560
-	997m N	Unspecified Disused Drift	1991	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
-	997m N	Unspecified Disused Drift	1982	1:10000
-	997m N	Unspecified Disused Drift	1970	1:10000
-	997m N	Old Coal Drift	1914	1:10560
-	997m N	Old Coal Drift	1897	1:10560

This data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

Records within 500m **0**

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

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m **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.

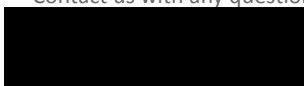
This data is sourced from British Gypsum.

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.

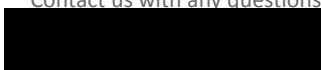
19.4 Historical incidents

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.

19.5 National karst database

Records within 500m

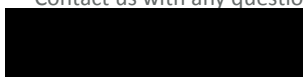
0

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

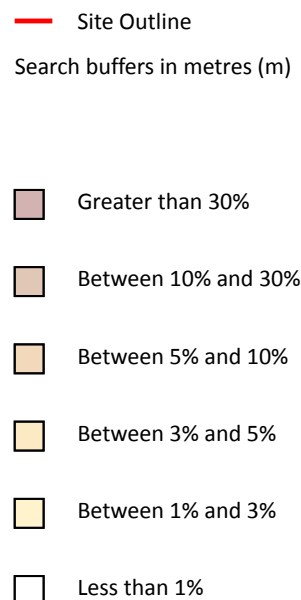
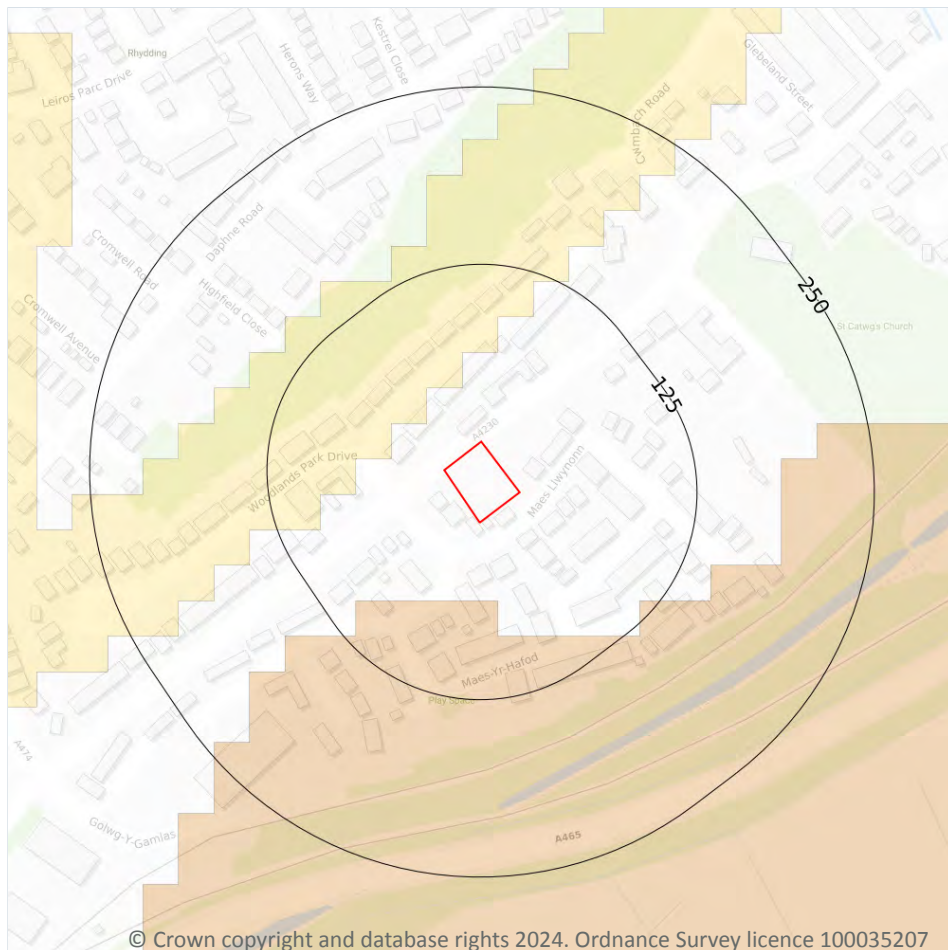
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over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

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

This data is sourced from the British Geological Survey.



20 Radon



20.1 Radon

Records on site

1

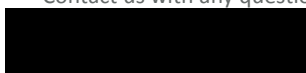
The Radon Potential data classifies areas based on their likelihood of a property having a radon level at or above the Action Level in Great Britain. The dataset is intended for use at 1:50,000 scale and was derived from both geological assessments and indoor radon measurements (more than 560,000 records).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

Features are displayed on the Radon map on [page 114](#) >

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

1

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km². In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km²; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	2.2 - 3.0 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

4

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km²).

Location	Arsenic (mg/kg)	Bioaccessible Arsenic (mg/kg)	Lead (mg/kg)	Bioaccessible Lead (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Nickel (mg/kg)	Tin (mg/kg)
On site	57	10	434	298	2.1	108	666	81	57
On site	63	11	281	193	1.7	92	352	61	46
On site	65	11.4	249	171	1.5	87	281	56	45
On site	68	11.9	317	218	1.6	95	412	66	58

This data is sourced from the British Geological Survey.



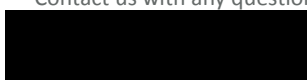
21.3 BGS Measured Urban Soil Chemistry

Records within 50m

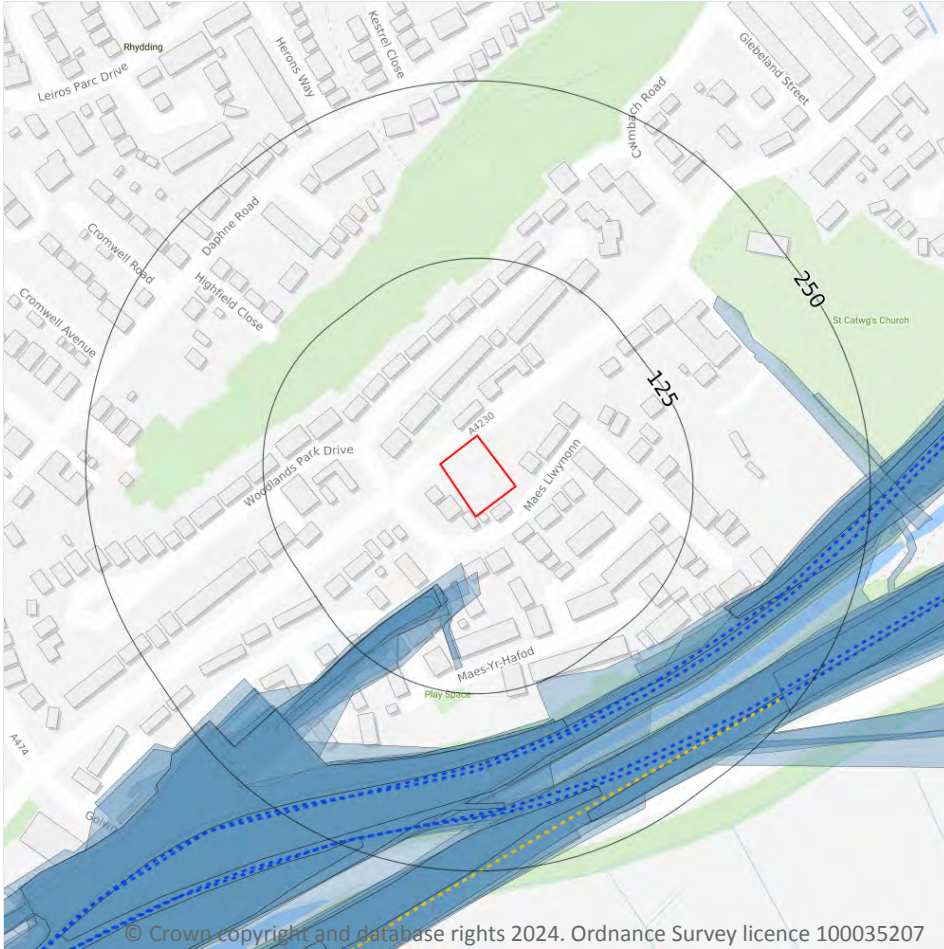
0

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 km².

This data is sourced from the British Geological Survey.



22 Railway infrastructure and projects



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

22.1 Underground railways (London)

Records within 250m

0

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

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m

0

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



Contact us with any questions at:



Date: 30 January 2024

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

34

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

Features are displayed on the Railway infrastructure and projects map on [page 118 >](#)

Location	Land Use	Year of mapping	Mapping scale
35m S	Railway Sidings	1914	10560
39m S	Railway Sidings	1877	10560
48m S	Railway Sidings	1897	10560
55m S	Railway Sidings	1876	10560
55m S	Railway Sidings	1936	10560
56m S	Railway Sidings	1962	10560
57m S	Railway Sidings	1877	2500
59m S	Railway Sidings	1876	10560
61m S	Railway Sidings	1919	2500
62m S	Railway	1877	-
64m S	Railway Sidings	1899	2500
64m S	Railway Sidings	1921	10560
65m S	Railway Sidings	1935	2500
71m S	Railway Sidings	1899	2500
155m S	Railway Sidings	1876	10560
155m S	Railway Sidings	1936	10560
156m S	Railway Sidings	1967	1250



Location	Land Use	Year of mapping	Mapping scale
157m S	Railway Sidings	1966	2500
161m SE	Railway Sidings	1876	10560
170m SE	Railway Sidings	1876	10560
170m SE	Railway Sidings	1936	10560
174m SE	Railway Sidings	1876	10560
180m SE	Railway Sidings	1967	1250
187m NE	Railway Sidings	1877	10560
192m SE	Railway Sidings	1921	10560
195m SE	Railway Sidings	1876	10560
195m SE	Railway Sidings	1936	10560
196m S	Railway Sidings	1962	10560
208m S	Railway Sidings	1876	10560
219m E	Railway Sidings	1877	2500
219m SE	Railway Sidings	1876	10560
224m SE	Railway Sidings	1877	10560
227m SE	Railway Sidings	1967	1250
240m S	Railway Sidings	1876	10560

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

1

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

Features are displayed on the Railway infrastructure and projects map on [page 118 >](#)

Location	Description
218m SE	Razed

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m

8

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

Features are displayed on the Railway infrastructure and projects map on [page 118 >](#)

Location	Name	Type
163m SE	Not given	Single Track
166m S	Neath and Brecon Line	rail
170m SE	Not given	Single Track
175m S	Not given	Single Track
202m E	Not given	Single Track
203m S	Not given	Single Track
207m S	Vale of Neath Railway	rail
207m S	Not given	Single Track

This data is sourced from Ordnance Survey and OpenStreetMap.

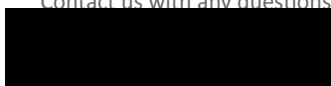
22.8 Crossrail 1

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.



22.9 Crossrail 2

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

22.10 HS2

Records within 500m

0

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

This data is sourced from HS2 Ltd.

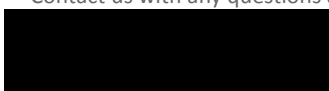


Data providers

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

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

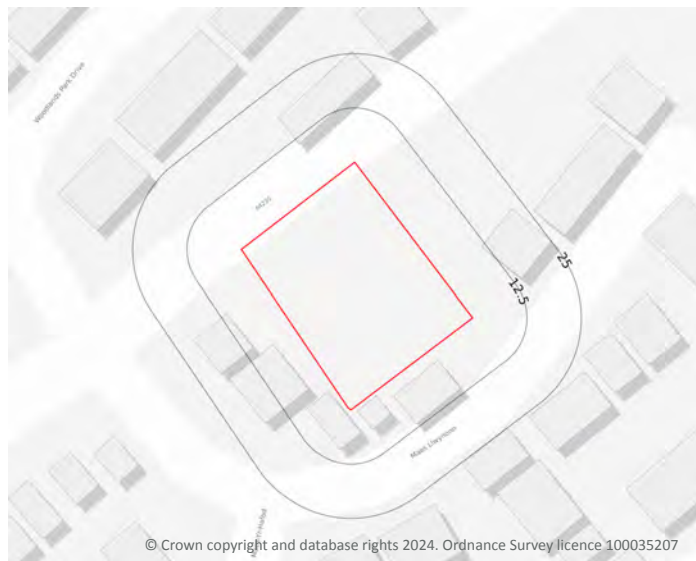


FORMER CROWN AND SCEPTRE, MAIN ROAD, CADOXTON, SA10 8AP

Professional opinion



Site plan



Search results

Not in a radon affected area

Local levels of radon are considered normal.

However, if an underground room makes up part of the accommodation, the property should be tested regardless of radon Affected Area status.

Useful contacts

UK Health Security Agency (UKHSA) / UKRadon
Radon Survey
Chemical, Radiation and Environmental Hazards
Chilton, Didcot
Oxon
OX11 0RQ
<https://www.ukradon.org/> ↗

UK Radon Association
<http://www.radonassociation.co.uk/> ↗

Overview of findings and recommendations

Radon

No further action is recommended based on the identified local levels of radon.

However, all basement and cellar areas are considered at additional risk from high radon levels. If an underground room such as a cellar or basement makes up part of the living or working accommodation, the property should be tested regardless of radon Affected Area status.

It should be noted that although this report uses the best available data this assessment is an estimation and is not based upon measurements. It is possible to find high radon levels in properties anywhere in the country, even in lower risk areas, as radon is everywhere in varying concentrations.



Conveyancing Information Executive and our terms & conditions

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[REDACTED] Groundsure adheres to the Conveyancing Information Executive Standards.

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- Conveyancing Information Executive Members shall act in a professional and honest manner at all times in line with the Conveyancing Information Executive Standards and carry out the delivery of the Search with integrity and due care and skill.
- Compliance with the Conveyancing Information Executive Standards will be a condition within the Conveyancing Information Executive Member's Terms and Conditions.
- Conveyancing Information Executive Members will promote the benefits of and deliver the Search to the agreed standards and in the best interests of the customer and associated parties.

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- acknowledge it within 5 working days of receipt
- normally deal with it fully and provide a final response, in writing, within 20 working days of receipt
- liaise, at your request, with anyone acting formally on your behalf

Complaints should be sent to:

Operations Director, Groundsure Ltd, Nile House, Nile Street, Brighton, BN1 1HW. [REDACTED]

➤ If you are not satisfied with our final response, or if we exceed the response timescales, you may refer the complaint to The Property Ombudsman scheme (TPOs): [REDACTED] We will co-operate fully with the Ombudsman during an investigation and comply with their final decision.

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Data providers

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[Back to Summary](#)

Contact us with any questions at:



Ref: HMD-213-KN9-T24-7HB-AOP
Your ref: Q1463
Grid ref: 275384 198409

APPENDIX IV – COAL AUTHORITY MINING REPORT



The Coal
Authority

CON29M

coal mining report

FORMER CROWN AND SCEPTRE INN, MAIN ROAD, CADOXTON, NEATH PORT
TALBOT, SA10 8AP



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.

Your reference: **Q1463**
Our reference: **51003402049001**
Date: **30 January 2024**

Client name:
John Stark

If you require any further assistance please
contact our experts on:

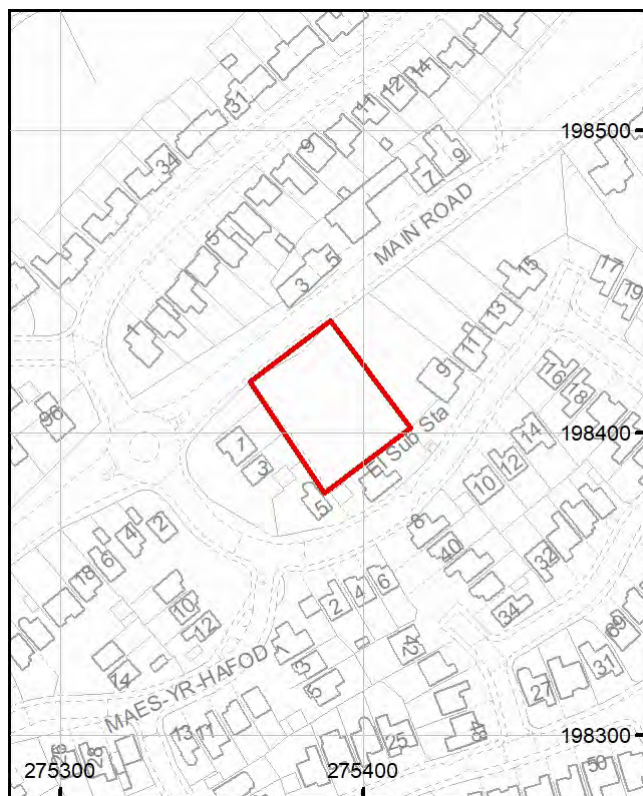


The Law
Society

Enquiry boundary

Key

Approximate position of enquiry boundary shown



We can confirm that the location is
on the coalfield



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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 [REDACTED]

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 [REDACTED]

Detailed findings

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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 [REDACTED] 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



APPENDIX V – BGS BOREHOLE RECORD



SOIL SURVEY, NEATH - ABERGAVENNY TRUNK ROAD

60.2' (18.3m)

VERTICAL

LOG 1" = 5 ft.

TYPE OF BORING: SHELL and AUGER

DIA. OF CASING: 6 INS. TO 51 FT.
INS. TO FT.

SHEET 1 OF 2

247

Station	Stratigraphy		Description and Remarks, including Water Observations.	Key to Laboratory Tests
	Type	Depth		
51-67			Fill.	
50-2 4' 0"				
(1.2m)	D	5' 0"	Fawn/brown slightly Sandy Clay.	
54-2 6' 0"	S(7)*	6' 0"		
(1.5m)				
52-7 7' 6"	D	7' 6"	Grey Clayey medium/coarse Sand and Gravel with Boulders.	
51-7 8' 7"	D	8' 0"	Fawn/grey, Clayey Sand and fine Gravel.	
(2.1m)	C(111)*	8' 8"		
	(40 blows)			
	D	8' 8"	Fawn, medium/coarse Sand and fine Gravel.	
41-67	D	10' 0"		
	S(4)*	11' 0"		
46-65 13' 9"				
(4.2m)	D	14' 0"	Fawn, medium/coarse Sand and Gravel with Cobbles and Boulders.	
31-67	D	15' 0"		
	D	16' 6"		
	D	17' 0"		
	S(116)*	17' 0"		
	D	19' 0"		
21-67	S(12)*	20' 0"		
	D	23' 0"		
	S(8 1/2)*	23' 0"		
	D	26' 0"		
	S(4 1/2)*	26' 0"		
11-67 32-7 27' 6"				
(8.4m)				
31-2 29' 0"	U(4)	28' 0"	Fawn/grey medium Sand and Gravel.	
(8.8m)				
27-2 31' 0"	D	31' 0"	Fawn/grey Sandy Clay.	
(9.4m)				
28-2 32' 0"			Grey Sandy Clay.	
(9.7m)				
	D	33' 0"	Fawn slightly Clayey medium/coarse Sand and Gravel with Cobbles and Boulders.	
31-67	S(8)*	33' 0"		
	D	35' 0"		
	S(10)*	36' 0"		

CONTINUED

1. 1" = 5 ft. Scale for all depths.
2. 1" = 5 ft. Scale for all depths.
3. 1" = 5 ft. Scale for all depths.
4. 1" = 5 ft. Scale for all depths.
5. 1" = 5 ft. Scale for all depths.
6. 1" = 5 ft. Scale for all depths.

TX = Triaxial Test
CV = Consolidation Test
I = Index Test
C = Compaction Test

Barcode No. 7.

SOIL SURVEY, NEATH - ABERGAVENNY TRUNK ROAD

SS/79NE/6

60.2' (18.3m)

VERTICAL

1" = 5 ft.

7540 9840

DIA. OF CASING : 6 INCH TO 50 FT.

INCH TO FT.

SHEET 2 OF 2

SWELL and AUGER

247

	Description and Remarks, including Water Observations.	Key to Laboratory Tests
39' 0" 40' 0" 42' 0" 45' 0" 48' 0" 50' 0"	Fawn slightly Clayey medium/coarse Sand and Gravel with Cobbles and Boulders.	

TX = Triaxial Test
CV = Consolidation Test
I = Index Test
C = Compression Test