



Geotechnical and Geoenvironmental Report

Site: Kenfig Industrial Estate

Prepared For: Infinite Renewables Group Limited

Issue Date: January 2023

Job No: 16976

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Proposed Wind Turbine, Kenfig Industrial
Estate**

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Executive Summary

Site Location and Proposed Development	Infinite Renewables Group Limited is proposing the development of a turbine at Kenfig Industrial Estate, Port Talbot, SA13 2PE. The development site locates in a carpark which is within the boundaries of Kenfig Industrial Estate. The site is directly adjacent to the west of 'John Pye Auctions', in North Cornelly near Port Talbot, SA13 2PE. The site centres on an approximate National Grid Reference of 279750, 183500, occupying a plan area of approximately 0.1 Hectares.																																		
Site History	The earliest historic map, circa 1886 shows the site to be part of a grassed field. By 1941 there is an unknown building is now located within the site. In 1962 the building is now labelled a works. By 1972 the building has been demolished. in 1990 the site is shown to be a car park and has been unchanged since.																																		
Geology	The site is shown to be underlain by South Wales Lower Coal Measure rocks. Superficial deposits are recorded as Tidal Flat Deposits.																																		
Radon	The Envirocheck Report (Annex A) details that basic radon protective measures are required for new developments on the investigation site due to the site being in an intermediate probability radon area.																																		
Coal Mining Risk Assessment	The overall risk to the surface stability of the site from possible unrecorded workings is considered negligible given the absence of shallow coal beneath the site.																																		
Ground Conditions	<table border="1"> <thead> <tr> <th colspan="3">Depth (m)</th><th>Stratum</th></tr> </thead> <tbody> <tr> <td>0.00</td><td>-</td><td>0.15 - 0.30</td><td>MADE GROUND: Grey sandy GRAVEL.</td></tr> <tr> <td>0.15 - 0.25</td><td>-</td><td>0.30 - 0.55</td><td>MADE GROUND: Brown gravelly SAND / sandy GRAVEL.</td></tr> <tr> <td>0.30</td><td>-</td><td>2.80 - 6.00</td><td>Firm brown mottled grey and orangish brown slightly sandy slightly gravelly CLAY.</td></tr> <tr> <td>2.80</td><td>-</td><td>3.70</td><td>Soft dark silty slightly gravelly CLAY (WS03 only)</td></tr> <tr> <td>3.70 - 6.00</td><td>-</td><td>>4.00 - 22.20</td><td>Very dense to dense brown SAND and GRAVEL</td></tr> <tr> <td>22.20</td><td>-</td><td>26.00</td><td>Stiff grey slightly sandy slightly gravelly CLAY.</td></tr> <tr> <td>26.00</td><td>-</td><td>>27.00</td><td>SILTSTONE</td></tr> </tbody> </table>			Depth (m)			Stratum	0.00	-	0.15 - 0.30	MADE GROUND: Grey sandy GRAVEL .	0.15 - 0.25	-	0.30 - 0.55	MADE GROUND: Brown gravelly SAND / sandy GRAVEL .	0.30	-	2.80 - 6.00	Firm brown mottled grey and orangish brown slightly sandy slightly gravelly CLAY .	2.80	-	3.70	Soft dark silty slightly gravelly CLAY (WS03 only)	3.70 - 6.00	-	>4.00 - 22.20	Very dense to dense brown SAND and GRAVEL	22.20	-	26.00	Stiff grey slightly sandy slightly gravelly CLAY .	26.00	-	>27.00	SILTSTONE
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Contamination of Concern	As no contaminants of concern have been identified site specific mitigation and remedial measures are not required for the development.																																		
Foundation Solution	Due to cyclic effect of wind loads from the turbine and the 'loosening' of foundation materials this will have with time a piled foundation solution is recommended. A bored piled foundation solution socketed into the siltstone bedrock located at a depth of 26m below existing ground levels is used. For a 300mm bored pile with a typical length of 27m an allowable working load of 600kN should be achieved. Variations in the quoted pile lengths should be expected. The estimated working pile loads, pile type and lengths are given for guidance only and should be confirmed by a specialist piling contractor and it may be prudent to test drive/install piles at selected locations. For the quoted pile sizes, founded within the competent in-situ materials, total settlements should not exceed 10mm with differential movements between adjacent piles being less than half this value.																																		

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ANNEX A Envirocheck Report
ANNEX B Risk Assessment Definitions
ANNEX C Coal Authority Report
ANNEX D Borehole Logs
ANNEX E Laboratory Soil Chemical Test Results
ANNEX F Laboratory Soil Geotechnical Test Results

Drawings

Drawing 01 Proposed Site Layout

SECTION 1 Introduction and Proposed Development

1.1 Introduction

Infinite Renewables Group Limited is proposing the development of a turbine at Kenfig Industrial Estate, Port Talbot, SA13 2PE.

Terra Firma (Wales) Limited have been commissioned by the Client to undertake a geoenvironmental assessment and geotechnical investigation of the site.

The main objectives of the geoenvironmental assessment programme are:

- Investigate the potential human health and environmental liabilities at the site associated with any contamination
- Provide a summary of the human health and environmental conditions at the site, together with any necessary further intrusive works and / or remediation works to render the site fit for its intended use

The main objectives of the geotechnical site investigation are:

- Investigated the type, strength and bearing characteristics of the shallow superficial and underlying solid geology
- Investigate the risk, if any, from historical shallow underground mining features
- Provide engineering foundation and floor slab recommendations for the proposed development
- Provide recommendations regarding any other geotechnical aspects pertaining to the development

In order to achieve the above objectives, Terra Firma (Wales) Limited carried out an assessment programme including a review of existing data, followed by a field investigation to collect geotechnical and geoenvironmental data from selected locations.

1.2 Limitations and Exceptions of Investigation

The Client has requested that a Geoenvironmental Site Assessment (GSA) and Geotechnical Investigation (GI) be performed to enable the outlined main objectives.

The GSA and GI were conducted, and this report has been prepared for the sole internal reliance of the Client and their design and construction team. This report shall not be relied upon or transferred to any other parties without the express written authorisation of Terra Firma (Wales) Limited. If an unauthorised third party comes into possession of this report, they rely on it at their peril and the authors owe them no duty of care and skill. The report represents the findings and opinions of experienced geoenvironmental and geotechnical consultants. Terra Firma (Wales) Limited does not provide legal advice and the advice of lawyers may be required.

The subsurface geological profiles, any contamination and other plots are generalised by necessity and have been based on the information found at the locations of the exploratory holes and depths sampled and tested.

1.3 Quality Assurance

The quality and environmental aspects of the assessment comply with Terra Firma Wales Ltd business management system which is UKAS Accredited to ISO 9001:2015 and ISO 14001:2015 standards.

SECTION 2 Review of Existing Data

2.1 Physical Setting and Current Site Use

The development site locates in a carpark which is within the boundaries of Kenfig Industrial Estate. The site is directly adjacent to the west of 'John Pye Auctions', in North Cornelly near Port Talbot, SA13 2PE. The site centres on an approximate National Grid Reference of 279750, 183500, occupying a plan area of approximately 0.1 Hectares.

The small-scale site is in a carpark with the main industrial estate road to the west and two large buildings to the north and east of the site. Site boundaries are defined by the carpark.

The site elevation is approximately 30m AOD sloping gradually down to the southwest. Site boundary levels are flat.

The site location can be seen on **Figure 2.1** along with the borehole layout on **Drawing 01**.

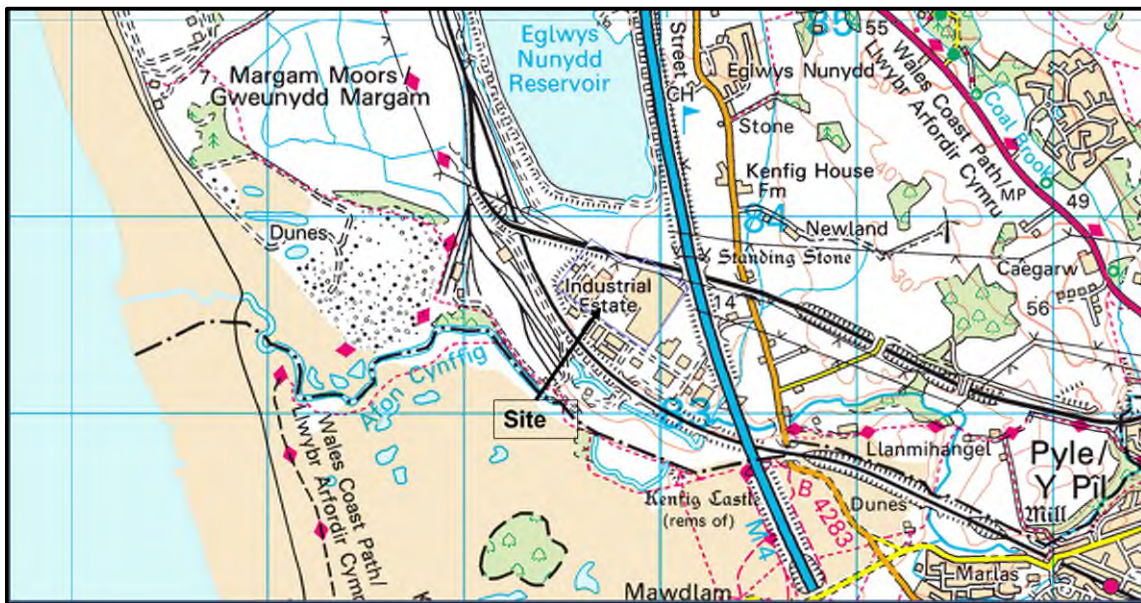


Figure 2.1 Site Location

2.2 Site History

Historical maps of the site have been obtained in an Envirocheck Report, provided by Landmark Information Group. The history plans are supplied in **Annex A** of this report, and the most relevant editions are summarised in **Table 2.1**. Distances, where quoted are approximate, and any changes in-between map editions may not be recorded.

Table 2.1 Historical Development from Map Information

Map Edition & Scale	Key Features on Site	Key Features off Site
1876 (1:2,500)	The site is located on field land.	The site is surrounded by field land. A footpath lies approximately 15m to the south. A train track lies approximately 230m to the south/southwest.
1899 (1:2,500)	No significant changes.	Another train track is shown 260m to the north.
1918 (1:2,500)	No significant changes.	No significant changes to the surrounding area.
1941 (1:2,500)	An unknown building is now located within the site.	Six unknown buildings are located approximately 100m, up to 250m, to the east and southeast. The train track to the south has extended and is now approximately 100m to the southwest. An unknown building is located approximately 30m to the north. An electric pylon is located approximately 180m to the north.
1962 (1:2,500)	There are no significant changes to the site apart from the building is now identified as "Works".	A refuse tip is located approximately 50m to the west, expanding approximately 150m to the west. Further expansion of works buildings located 100-250m to the east has taken place. The building located approximately 100m to the east is now identified as "water". The previously expanded train track located approximately 100m to the southwest is no longer recorded.
1972-1983 (1:10,000)	The building occupying the site is no longer recorded with the site now an open urban space.	At least 5 tanks are recorded approximately 50m to the east/northeast. The refuse tip no longer recorded & replaced by "workshops" approximately 150m to the west. The works buildings have been replaced with a large "Engineering Works" warehouse building approximately 100m to the west/northwest. A pumping station is located approximately 150m to the west. The previously identified buildings located approximately 100m to the south are now identified as "Factories" and "Electric Sub Station". The previously identified building located approximately 230m to the southeast is now identified as Thermometer Factory.
1990 (1:2,500)	The site is now a carpark.	The electric pylon no longer recorded. The thermometer factory no longer recorded.
1992-1993 (1:2,500)	No significant changes.	No significant changes.
1999 (1:10,000)	No significant changes.	No significant changes.
2006 (1:10,000)	No significant changes.	No significant changes.
2021 (1:10,000)	The site remains unchanged.	The tanks are no longer recorded.

2.3 Geological Setting

2.3.1 Geology

The 1:50,000 scale British Geological Map of the area (Sheet 262) and the 1:10,000 scale map was consulted for geology underlying the site. The site is shown to be underlain by South Wales Lower Coal Measure rocks. Detailed stratigraphical information is provided in **Table 2.2**.

Table 2.2 Detailed Stratigraphical Information

Period	Group	Formation
Quaternary	Tidal Flat Deposits	Tidal Flat Deposits – Clay, Silt and Sand.
Devensian	Glaciofluvial Deposits	Glaciofluvial Deposits – Sand and Gravel – detrital & generally coarse grained.
Carboniferous	South Wales Lower Coal Measures	South Wales Coal Measures – Mudstone, Siltstone and Sandstone.

Strata are typically dipping 10° to the northwest close to the local area. The local area is heavily faulted and the site is situated immediately north of a fault which is trending east to west. A second fault is located 20m east of the site trending in a northwest to south east direction. Given the local faulting, no shallow coal seams will underlie the site.

Superficial deposits are recorded as Tidal Flat Deposits or Glaciofluvial Deposits. From the BGS Borehole Information (2.3.2) it is most likely that the superficial deposits are Glaciofluvial Deposits.

Made ground up to unknown depth is anticipated at the site.

2.3.2 BGS Borehole Information

Several BGS boreholes are recorded in the industrial estate (to the west of the site mostly). A selection of the closest boreholes is summarised below.

SS78SE30 (279720, 183430). Located approximately 60m south.

MADE GROUND: Loose silty fine SAND with pockets of ash clinker from ground level to 1.75m.
 Firm slightly clayey very sandy SILT from 1.75m to 2.50m.
 Firm silty sandy CLAY from 2.50m to 4.85m.
 Firm locally stiff very sandy CLAY with frequent gravels of coal fragments and coaly shale from 4.85m to 6.45m.

No groundwater encountered.

SS78SE25 (279860, 183400). Located approximately 100m east.

Ground level to 2.00m not recorded.
 SAND from 2.00m to 2.70m.
 Clayey SAND from 2.70m to 4.50m.
 CLAY with frequent shells from 4.50m to 7.00m.
 CLAY from 7.00m to 12.50m.
 Gravelly CLAY from 12.50m to 16.00m.
 GRAVEL / COBBLES from 16.00m to 17.00m.
 SANDSTONE from 17.00m to 18.00m.
 Very stiff gravelly CLAY from 18.00m to 21.00m.
 Strong SANDSTONE from 21.00m to 23.70m.

No groundwater encountered.

SS78SE11 (279980, 183620). Located approximately 130m northeast.

Sandy CLAY from ground level to 10.00m.
 Sandy gravelly CLAY from 10.00m to 13.70m.
 Sandy GRAVEL from 13.70m to 17.30m.
 Sandy gravelly CLAY from 17.30m to 21.00m.
 Sandy GRAVEL from 21.00m to 23.00m.
 SANDSTONE from 23.00m to 30.50m.
SHALE from 30.50m to 31.40m.
COAL from 31.40m to 33.00m.
 Sandstone from 33.00m to 33.50m.
SHALE with COAL seams 33.50m to 37.00m.
COAL from 37.00m to 44.50m.

2.3.3 Radon

The Envirocheck Report (**Annex A**) details that basic radon protective measures are required for new developments on the investigation site due to the site being in an intermediate probability radon area.

2.3.4 Mining

The site situates in the South Wales Coal Field.

The Coal Authority Report states that the site could be affected by previous underground mining in 1 seam of coal at 60-80m depth was last worked in 1938. Any movement in the ground due to coal mining activity associated with these workings should have stopped by now.

Additionally, the site is in an area whereby the Coal Authority believes there is coal at or close to the surface of which may have been worked at some time in the past. Given the faulting in the area no shallow coal seams underlie the site.

The risk from past shallow mining is therefore considered to be negligible.

The Coal Authority Coal Mining Report is appended in **Annex C**.

2.3.5 Natural Hazards

The underlying geology is not prone to dissolution due to the significant mudstone component of the geological units and the risk of natural cavities in the bedrock is considered negligible.

The potential for running sand conditions is **moderate** on site & **very low** approximately 26m & 230m to the northeast.

The potential for shrinking/swelling clays on site is very low.

2.4 Environmental Setting

The following sections have been compiled using the Landmark Information Group Envirocheck datasheet and maps which can be found in **Annex A**.

2.4.1 Hydrogeology

The nearest groundwater abstraction point is located 29m to the southeast, operated by Incubator Properties Limited.

Superficial deposits beneath the site have been designated as a Secondary-Undifferentiated aquifer.

The bedrock deposits beneath the site have been designated as a Secondary-A aquifer.

Deeper groundwater flow within the underlying bedrock will be controlled by the strata dip and any fractures or bedding planes within the rock units.

The hydraulic gradient will be at its steepest during periods of heavy rainfall and aquifer recharge.

The site does not locate within a groundwater source protection zone.

2.4.2 Hydrology

The nearest surface water feature (a river - Afon Cynffig) locates off site 219m to the southwest.

The topography of the site slopes gradually down towards to the southwest. Surface water is likely to drain in this direction.

2.4.3 Flooding

The site is not at risk from extreme flooding from rivers or sea.

The site is at medium risk from surface water flooding 1 in 100-year flood extent. This area expands for a low risk from surface water flooding 1 in 1000-year flood extent.

The site has a potential for groundwater flooding of property situated below ground level.

2.4.4 Waste

Recorded landfill sites within 250m of the site are summaries in **Table 2.**

Table 2.3 Landfill Sites Summary

Landfill Name	Distance/ Direction from site	Operation Dates	Deposited Wastes
<i>Refuse Tip*</i>	50m to the west	1962-1983	Waste materials
Gerald Davies Limited	213m to the north. 279730, 183709	Sept. 1992 to Present.	Inert waste

There are no licensed waste management facilities or waste transfer sites within 250m of the site.

*Although not listed the Envirocheck report, historical maps show a large refuse tip approximately 50m west of the site. An approximate date of operation has been noted.

2.4.5 Pollution

There has been 1 recorded pollution incidence to have occurred within 250m radius of the site.

A Category 3 (Minor Incidence) incidence involving silage liquor from agricultural works occurred in July 1996, as reported by the Environment Agency authority. This occurred 105m to the south.

2.4.6 Sensitive Land Use

The site is not located within a sensitive land use area.

There are two areas of ancient woodland within 1km of the site with the nearest located 311m to the west.

Kenfic Pools and Dunes located 505m to the south west is listed as a Local and National Nature Reserve.

Kenfig, Eglwys Nynydd Reservoir and Margam Moors are located 505m south west, 551m north and 919m north west and identified as Site of Special Scientific Interest (SSSI).

Kenfig located 505m south west is also a special area of conservation.

2.4.7 Measured Urban Soil Chemistry

The BGS have published measured urban soil chemistry concentrations locally to the site for a number of common contaminants, i.e. arsenic, cadmium, chromium, lead and nickel. All of the given determinands have anticipated concentrations that are below the recognised trigger levels for a residential with plant uptake scenario.

2.4.8 Industrial Land Use

Relevant contemporary trade directory entries recorded within proximity of the site are summarised in **Table 2.**

Table 2.4 Relevant Contemporary Trade Summary

Company	Distance/Direction from site	Classification	Status
B S Meat	112m southwest	Meat - Wholesale	Active
Same Day 4 U	113m southwest	Waste Disposal Services	Active
Vision Electronics	131m southwest	Domestic Appliances – Repairs and Parts	Inactive
Paintworx Sw Ltd	131m southwest	Car Body Repairs	Active
Flock Technology Ltd	144m south	Dyers	Inactive
Cariad Cool Water Ltd	149m southwest	Water Coolers	Active
Van Stock UK Ltd	161m northwest	Scrap Metal Merchants	Inactive
Mosaici	163m south	Tile Manufacturers	Inactive
Robinson Recycling Ltd	164m northwest	Recycling Centre	Active
A & S Commercial Repair	185m southwest	Vehicle Servicing, Repairs, Parts & Accessories	Active
Linkway Transport Services	185m southwest	Garage Services	Inactive
Borg Warner	186m east	Car Component Manufacturers	Inactive
Quintek Distribution Ltd	186m east	Electrical Appliances and Repairs	Inactive
Berkely Logistics	186m east	Road – Haulage Services	Inactive
Celtic Chemicals	206m west	Chemical Manufacturers	Active
IFT Trading Ltd	207m south	Cosmetic Manufacturers	Inactive
Clean Plastic Mouldings Ltd	207m south	Plastics – Injection Moulding	Active
A & B Transport	207m west	Road – Haulage Services	Inactive
K & A Finishing Co Ltd	216m west	Plastics – Coating Services	Inactive
RPC Tedeco Gizeh UK Ltd	216m west	Plastics Manufacturers –	Inactive
L & M Lorryworx Ltd	230m northwest	Garage Services	Inactive
Pavecost Manufacturing	232 northwest	Electronic Equipment Manufacturers & Assemblers	Inactive

2.4.9 Infilled Land

Potentially infilled land features within 250m of the site are summarised in **Table 2.5**.

Table 2.5 Potentially Infilled Land

Feature	Distance/Direction from site
Water – Unknown Filled Ground (Pond, marsh, river, stream) - 1921	40m to the northeast.
Water – Unknown Filled Ground (Pond, marsh, river, stream) - 1952	58m to the west.
Water – Unknown Filled Ground (Pond, marsh, river, stream) - 1964	71m to the northeast.
Water – Unknown Filled Ground (Pond, marsh, river, stream) - 1964	131m to the north.
Water – Unknown Filled Ground (Pond, marsh, river, stream) - 1952	152m to the southwest.

SECTION 3 Coal Mining Risk Assessment

3.1 Geotechnical Risk

3.1.1 Underground Mining

Based upon geological map data, the stratigraphical sequence within 30m of the ground surface of the site is illustrated in **Figure 3.1**.

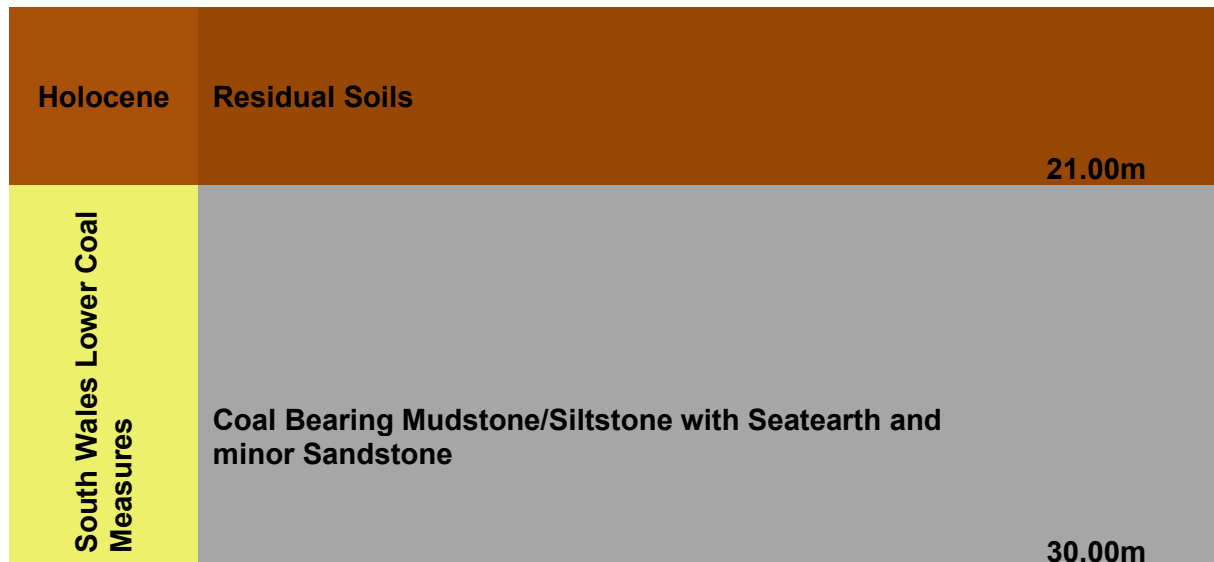


Figure 3.1 Geology and Strata Base below Ground Level

The Coal Authority Report states that the site could be affected by previous underground mining. On site location, 1 seam of coal at 60-80m depth was worked, with final workings in 1938. Any movement in the ground due to coal mining activity associated with these workings should have stopped by now.

Additionally, the site is in an area whereby the Coal Authority believes there is coal at or close to the surface of which may have been worked at some time in the past, however the geological maps do not show any outcrops near the site which would be found at shallow depth. The Coal Authority interactive viewer also does not show any outcrops in influencing distance of the site. What outcrops are shown are to the east of the site on the eastern side of the fault. The viewer also shows the site to lie outside of a development high risk area.

3.1.2 Shafts & Adits

The Coal Authority Report states there are no known mine entries within, or within 20m, of the boundary of the site. This is based on information that the Coal Authority has at the time of enquiry (9th December 2021). Based on the Coal Authority's knowledge of the mining circumstances at the time of this enquiry, there may be unrecorded mine entries in the local area that do not appear on Coal Authority records.

3.1.3 Conclusion

The overall risk to the surface stability of the site from possible unrecorded workings is considered negligible given the absence of shallow coal beneath the site.

SECTION 4 Preliminary Human Health and Environmental Risk Assessment

4.1 General

The preliminary human health and environmental risk assessment is a qualitative evaluation of unacceptable risks to human health or the environment from potential 'contaminated land', based on reviewed information in preceding sections of this report.

For 'contaminated land' to exist as defined in Part 2A of the Environmental Protection Act (EPA) 1990, a Pollutant Linkage needs to be identified. Pollutant linkages are defined by having a valid 'source – pathway – receptor' as established in the preliminary conceptual site model.

For our definitions of pollution linkage and how we define risk please refer to **Annex B** which includes our classifications of consequence and probability, and risk assessment matrix.

4.2 Potential Sources of Contamination

Potential or known sources of contamination associated the sites current and historical land use are summarised in **Table 4.1**.

Table 4.1 Contamination Sources

ID	Source	Contaminant
S1	Train tracks (Historical and Current)	Metals, metalloids, PAHs, TPH, PCBs, Asbestos
S2	Refuse Tip (Historical)	Metals, metalloids, PAHs, TPH, CO ₂ CH ₄
S3	Tanks & Pumping Station (Historical)	Metals, metalloids, PAHs, TPH
S4	Vehicle (repairs – historical - & as a carpark)	Metals, metalloids, PAHs, TPH, Asbestos
S5	Waste Disposal (Current – 113m southwest)	Metals, metalloids, PAHs, TPH, Asbestos
S6	Engineering Works & Factories (Historical)	Metals, metalloids, PAHs, TPH, Asbestos

We can exclude the potential for PCBs to be present as a result of the historic and current train tracks as the Department of Environment Industry Profile of Railway Land states, in Table 1, that PCBs will only be present on electrified lines. It is highly unlikely that the lines were electrified.

We can also exclude the need for gas monitoring as the proposed development is a wind turbine without enclosed spaces.

No other significant potential on-site or off-site sources of contamination have been identified during the desk study.

4.3 Potential Pollution Pathways

Potential contaminant pathways associated with a residential with home grown produce land use are as follows.

- P1 – Direct soil and dust ingestion
- P2 – Consumption of home grown produce
- P3 – Dermal contact
- P4 – Inhalation of dust and vapours
- P5 – Vertical migration of leachates (unsaturated zone)
- P6 – Horizontal and vertical migration of contaminants (saturated zone)
- P7 – Artificial contaminant pathway (borehole, pile, excavation etc)
- P8 – Surface run-off
- P9 – Plant uptake
- P10 – Horizontal and vertical migration of ground gasses and vapours
- P11 – Direct contact with construction materials
- P12 – Inhalation of asbestos fibres

4.4 Potential Receptors

There are human and hydrological receptors to any contamination that may be present on site. Potential receptors include.

- R1 – Construction and maintenance workers
- R2 – Future site users
- R3 – Passers-by or neighbouring site users
- R4 – Groundwater (aquifer)
- R5 – Surface waters (river/lake)
- R6 – Area of public open space
- R7 – Construction materials (concrete/potable water pipes)

4.5 Preliminary Conceptual Site Model

The preliminary conceptual site model establishes potential pollutant linkages between contaminants (source), pathways and receptors, realised during the preparation of the desk study report. Where a potential pollutant linkage is identified an assessment of risk is subsequently undertaken. The preliminary conceptual site model is tabulated in **Table 4.2**.

Outcomes of the preliminary conceptual site model are used as a basis for the design and implementation of the site investigation, whereby areas of potential contamination can be targeted as well as investigating the wider site.

Findings of the site investigation can in turn be used to develop and refine the conceptual site model.

Table 4.2 Preliminary Conceptual Site Model

Source	Pathway	Receptor	Preliminary Risk Assessment		
			Consequence	Probability	Risk
Human Health					
Contaminated Soils S1, S2, S3, S4, S6	Direct soil and dust ingestion P1 Dermal contact P2 Inhalation of dust and vapours P3 Surface run-off P7	Construction and maintenance workers R1	Medium	Likely	Medium Risk - Suitably designed site investigation recommended
		Passers-by or neighbouring site users R3	Medium	Low Likelihood	Low Risk - COSHH assessment and good level of PPE/ hygiene by site workers/ staff; dust suppression measures if required. Suitably designed site investigation recommended
		Future site users R2	Medium	Low Likelihood	Low Risk - No significant source identified.
Contaminated Soils S1, S4, S5, S6	Inhalation of asbestos fibres P11	Construction and maintenance workers R1	Severe	Low likelihood	Medium Risk - COSHH assessment and good level of PPE/ hygiene by site workers/ staff; dust suppression measures if required. Suitably designed site investigation recommended
Landfill Gas S2, S5	Horizontal and vertical migration of ground gasses and vapours P9	Future site users R2, Construction and maintenance workers R1	Medium	Unlikely	Near Zero Risk - Basic radon protection measures required
Impacted Groundwaters S1, S2, S3, S4.	Horizontal and vertical migration of contaminants (saturated zone) P5 Dermal contact P2	Future site users R2, Construction and maintenance workers R1	Medium	Unlikely	Near Zero Risk - No significant source identified.
Aquatic Environment					
Contaminated Soils S1 S2, S3, S4, S6	Vertical migration of leachates (unsaturated zone) P4	Groundwater (aquifer) R4 Surface waters (river/lake) R5	Mild	Low Likelihood	Low Risk - No significant source identified.
	Surface run-off P7	Surface waters (river/lake) R5			
	Horizontal and vertical migration of contaminants (saturated zone) P5				

SECTION 5 Field Investigation

5.1 Site Works

A geotechnical and geoenvironmental site investigation comprising three window sample boreholes and one rotary borehole was undertaken between the 25th October to 8th November 2022.

The fieldwork was supervised by Terra Firma (Wales) Limited, who logged the exploratory holes to the requirements of BS 5930:2015+A1:2020. The proposed locations of the exploratory holes were determined by Terra Firma (Wales) Ltd in general accordance with BS 10175:2011+A2:2017 in order to assess the findings of the preliminary conceptual site model.

The boreholes referenced WS01 to WS03, were formed using a Terrier 2000 rig. Dynamic sampling techniques were employed from surface to produce a continuous disturbed sample.

Standard penetration tests (SPT) were carried out at regular intervals in general accordance with BS1377: Part 9:1990:3.3. SPT results summarised as N values are presented on the borehole log.

Boreholes were monitored for groundwater ingress as drilling proceeded.

Representative disturbed samples were taken and retained in airtight containers for environmental and geotechnical testing.

Borehole referenced BH01 was formed using a track mounted rotary drilling rig. Dynamic sampling techniques were employed from surface to produce a continuous disturbed sample. On refusal to dynamic sample the boreholes were continued by rotary open holing using a diameter tri-cone bit compressed air as the flushing medium.

Standard penetration tests (SPT) were carried out at regular intervals in general accordance with BS1377: Part 9:1990:3.3. SPT results summarised as N values are presented on the borehole log.

Boreholes were monitored for groundwater ingress as drilling proceeded.

On completion all boreholes were backfilled with materials arising.

The borehole logs are presented in **Annex D**.

Exploratory hole locations are shown on **Drawing 01**.

5.2 Ground Conditions

The ground conditions encountered by the exploratory holes can in general be summarised as shown in **Table 5.1**.

Table 5.1 Summary of Typical Ground Conditions

Depth (m)			Thickness (m)	Stratum
0.00	-	0.15 - 0.30	0.15 - 0.30	MADE GROUND: Grey sandy GRAVEL .
0.15 - 0.25	-	0.30 - 0.55	0.15 - 0.30	MADE GROUND: Brown gravelly SAND / sandy GRAVEL .
0.30	-	2.80 - 6.00	5.70	Firm brown mottled grey and orangish brown slightly sandy slightly gravelly CLAY .
2.80	-	3.70	0.90	Soft dark silty slightly gravelly CLAY (WS03 only)
3.70 - 6.00	-	>4.00 - 22.20	16.30	Very dense to dense brown SAND and GRAVEL
22.20	-	26.00	3.80	Stiff grey slightly sandy slightly gravelly CLAY .
26.00	-	>27.00	-	SILTSTONE

5.3 Groundwater

Groundwater information recorded during the site investigation is summarised in **Table 5.2**.

Table 5.2 Groundwater Summary

Location	Depth (m)	Details
WS01	1.00	Seepage
BH01	4.20	Water strike

5.4 Laboratory Chemical Testing

5.4.1 Sampling Strategy

Soil sampling locations were selected on a targeted basis to investigate suspected of contamination or potential contamination migration pathways.

Sample locations, depths and suspected/known contamination source targets are summarised in **Table 5.3**.

Table 5.3 Sample Locations, Depths and Targets

Location	Depth (m)	Contamination Targets
WS01	0.50	S1 – S6
WS02	0.10	S1 – S6
WS03	0.30	S1 – S6

5.4.2 Soil Laboratory Analysis

During the site investigation works soil samples were taken and despatched to the accredited laboratories of Eurofins Chemtest for laboratory chemical testing. Soil samples were tested for the determinants listed in **Table 5.**

Table 5.4 Soil Laboratory Analysis

Metals & Metalloids	In-Organics	Organics	Others
Arsenic	Cyanide	Phenols	pH (acidity)
Boron	Sulphate	PAH	Asbestos
Cadmium		Petroleum Hydrocarbons	
Chromium III			
Chromium VI			
Copper			
Lead			
Mercury			
Nickel			
Selenium			
Zinc			

The results are discussed in detail in **SECTION 6** and the laboratory test results certificates may be found in **Annex E**.

5.5 Soil Property Testing

5.5.1 Laboratory Geotechnical Testing

A schedule of laboratory tests was prepared by Terra Firma Wales Ltd and samples were despatched to the accredited laboratories of GSTL/Apex Testing Solutions. A summary of the testing carried out is presented in **Table 5.**

Table 5.5 Summary of Geotechnical Testing

Geotechnical Test	Standard (BS1377:1990)	No. Tested
Moisture Content	Part 2, Clause 3.2	2
4 Point Liquid and Plastic Limit	Part 2, Clause 4.3 & 5.3	2

The test results are presented in **Annex F** and discussed in **SECTION 7** of this report.

SECTION 6 Evaluation of Geoenvironmental Analytical Results

6.1 Assessment Methodology

Comparison of the analytical results has been made with the 2015 Suitable 4 Use Levels (S4UL) provided by Land Quality Management (LQM) Limited and the Chartered Institute of Environmental Health (CIEH) or provisional Category 4 Screening Levels (pC4SL).

Sulphate results have been compared to guidelines presented in British Research Establishment (BRE SD1:2015). Sulphate levels need only be considered for buried concrete risk assessment and are not human health related.

6.2 Soil Test Results

A summary of the chemical test results which include the regulatory soil guideline values used in a commercial setting, are given in the following tables. The complete results can be found in **Annex E**.

6.2.1 Inorganics & Miscellaneous

Three samples were tested for a standard suite of inorganics, pH and organic matter. The summarised results are in **Table 6.1**.

Table 6.1 Summary of Soil Chemical Test Results – Inorganics & Miscellaneous

Substance	Threshold Value (mg/kg)	Source	Measured Concentrations (mg/kg)		Number of Exceedances
			Minimum	Maximum	
Arsenic	640	LQM/CIEH	3.80	4.40	0
Cadmium	190	LQM/CIEH	0.17	0.77	0
Chromium III	8600	LQM/CIEH	6.40	7.60	0
Chromium VI	33	LQM/CIEH	<0.50	<0.50	0
Copper	68000	LQM/CIEH	4.70	7.10	0
Lead	2300	pC4SL	20.00	36.00	0
Mercury (inorganic)	1100	LQM/CIEH	<0.05	<0.05	0
Nickel	980	LQM/CIEH	4.70	5.30	0
Selenium	12000	LQM/CIEH	0.27	0.35	0
Zinc	730000	LQM/CIEH	35.00	73.00	0
Cyanide	-	-	<0.50	<0.50	-
Boron	240000	LQM/CIEH	<0.40	0.73	0
Sulphate (%)	0.24	BRE	0.044	0.096	0
Organic Matter (%)	-	-	1.40	2.30	-
pH	-	-	9.0	10.0	-
Phenols	120	LQM/CIEH	<0.10	<0.10	0
Notes:					
- No available guideline					

6.2.2 Organics

Three samples were tested for speciated polycyclic aromatic hydrocarbons (PAH). The summarised results are in **Table 6.2**.

Table 6.2 Summary of Soil Chemical Test Results – Speciated PAH

Substance	Threshold Value (mg/kg)	Source	Measured Concentrations (mg/kg)		Number of Exceedances
			Minimum	Maximum	
Naphthalene	190	LQM/CIEH	<0.1	0.29	0
Acenaphthylene	83000	LQM/CIEH	<0.1	0.38	0
Acenaphthene	84000	LQM/CIEH	<0.1	0.55	0
Fluorene	63000	LQM/CIEH	<0.1	0.68	0
Phenanthrene	22000	LQM/CIEH	0.54	5.20	0
Anthracene	520000	LQM/CIEH	0.22	1.30	0
Fluoranthene	23000	LQM/CIEH	2.00	8.00	0
Pyrene	54000	LQM/CIEH	2.10	7.10	0
Benzo(a)anthracene	170	LQM/CIEH	1.90	6.70	0
Chrysene	350	LQM/CIEH	2.60	8.20	0
Benzo(b)fluoranthene	44	LQM/CIEH	4.00	10.00	0
Benzo(k)fluoranthene	1200	LQM/CIEH	1.30	3.50	0
Benzo(a)pyrene	35	LQM/CIEH	2.70	6.70	0
Indeno(123cd)pyrene	500	LQM/CIEH	2.10	4.70	0
Dibenzo(ah)anthracene	3.5	LQM/CIEH	0.83	2.00	0
Benzo(ghi)perylene	3900	LQM/CIEH	2.40	5.10	0
Total PAH	-	-	23.00	70.00	-
Notes:					
Thresholds based on 1.0% soil organic matter					
- No available guidelines					

Three samples were tested for petroleum hydrocarbon. The summarised results are shown in **Table 6.3**.

Table 6.3 Summary of Soil Chemical Test Results – Petroleum Hydrocarbons

Substance	Threshold Value (mg/kg)	Source	Measured Concentrations (mg/kg)		Number of Exceedances
			Minimum	Maximum	
Aliphatic					
PH C5 – C6 Ali	3200	LQM/CIEH	<1.0	<1.0	0
PH C6 – C8 Ali	7800	LQM/CIEH	<1.0	<1.0	0
PH C8 – C10 Ali	2000	LQM/CIEH	<1.0	<1.0	0
PH C10 – C12 Ali	9700	LQM/CIEH	<1.0	<1.0	0
PH C12 – C16 Ali	59000	LQM/CIEH	<1.0	<1.0	0
PH C16 – C21 Ali	1600000*	LQM/CIEH	<1.0	<1.0	0
PH C21 – C35 Ali	1600000*	LQM/CIEH	<1.0	<1.0	0
PH C35 – C44 Ali	1600000	LQM/CIEH	<1.0	<1.0	0
Aromatic					
PH C5 – C7 Arom	26000	LQM/CIEH	<1.0	<1.0	0
PH C7 – C8 Arom	56000	LQM/CIEH	<1.0	<1.0	0
PH C8 – C10 Arom	3500	LQM/CIEH	<1.0	<1.0	0
PH C10 – C12 Arom	16000	LQM/CIEH	<1.0	<1.0	0
PH C12 – C16 Arom	36000	LQM/CIEH	<1.0	<1.0	0
PH C16 – C21 Arom	28000	LQM/CIEH	<1.0	<1.0	0
PH C21 – C35 Arom	28000	LQM/CIEH	<1.0	160	0
PH C35 – C44 Arom	28000	LQM/CIEH	<1.0	<1.0	0
Notes: PH – Petroleum Hydrocarbon Ali – Aliphatic Arom – Aromatic Thresholds based on 1.0% soil organic matter * – Ali C16-21 and C21-C35 based on criteria for Ali EC >16-35					

6.2.3 Asbestos Testing

All soil samples were scheduled for asbestos screening. Asbestos was not detected.

SECTION 7 Geotechnical Testing Results

Geotechnical testing results are summarised in the following sections and presented in their entirety in **Annex F**.

7.1 Point Load Index Testing

7.2 Plasticity & Moisture Content Testing

During the investigation two samples of the shallow clay material was taken and submitted for plasticity testing. The test results are summarised in **Table 7..**

Table 7.1 Plasticity & Moisture Content Test Results

Location	Depth (m)	Laboratory Principal Soil Type	Plasticity Index (%)	Passing 425µm Sieve (%)	Modified Plasticity Index (%)	Volume Change Potential
WS01	1.30	Clay	14	63	8.82	Low
WS03	1.00	Clay	14	57	7.98	Low

In line with the NHBC (Chapter 4.2), the modified plasticity index for each sample was calculated. For design purposes the soils on site should be assumed to have a low volume change potential.

SECTION 8 Quantitative Risk Assessment

8.1 Contaminants of Concern

All substances tested for were found to be present at concentrations below their respective human health threshold level.

8.2 Mitigation and Remedial Measures

As no contaminants of concern have been identified site specific mitigation and remedial measures are not required for the development.

8.2.1 Human Health

8.2.1.1 Contaminated Soils

Site specific mitigation and remedial measures are not required with respect to human health.

As good practice, construction workers should adhere to good site management, COSHH, good standards of hygiene and appropriate health & safety on site, with personal protection equipment (PPE) and dust suppression where appropriate.

All imported soils should be validated as clean and suitable for use in accordance with 'Requirements for the Chemical Testing of Imported Soils for Various End Uses and Validation Cover Systems'.

In accordance with EC Regulation 1272/2008 and Environment Agency Guidance WM3 soils destined for off-site disposal should be classified on the basis of their hazard phrases prior to disposal. Soils are classified as a mirror entry waste and should be classified on the basis of their specific chemical properties.

If during earthworks ground conditions are encountered that are markedly different to those found during the investigation then the ground should be subject to additional sampling and testing and any necessary remedial measures designed and implemented before continuing with the works.

8.2.2 Aquatic Environment

Site specific mitigation and remedial measures are not required with respect to the aquatic environment.

During the construction period, there is a risk to the environment/adjacent sites from de-watering, digging foundations, moving contaminated soil, drainage misconnections, discharges to local surface waters or the ground, runoff from construction materials and/or exposed ground, wheel washings and oil or chemical spills.

The risk is considered to be negligible as any adverse effects will be easily preventable by due diligence to good construction practise and housekeeping in preventing surface runoff and the spillage of materials.

The basic measures that should be taken are as follows:

- Prepare a drainage plan and mark the manholes to prevent pollutants accidentally reaching the surface water sewers;
- Carry out any activities that could cause pollution in a designated, bunded area, away from rivers or boreholes. Where possible it should drain to the foul sewer;
- Use settlement ponds to remove silty water;
- Store all oils and chemicals in a fully bunded area to prevent leaks or spills;
- Get advice on whether you need an environmental permit and apply in good time

SECTION 9 Engineering Recommendations

9.1 Preparation of Site

Contingencies should be made for the protection/diversion of any underground/overhead services present beneath/above the site brought about as a result of the proposed works.

Any reduced levels should be brought up to the required levels with suitable inert mainly granular materials. Department of Transport (DTP) type 2 sub-base or similar should be used and compacted in layers to the requirements of the Specification for Highway Works.

Allowances should also be made for the excavation of any soft spots/areas and their replacement with well compacted imported granular materials.

In accordance with EC Regulation 1272/2008 and Environment Agency Guidance WM3 soils and other materials destined for off-site disposal should be classified on the basis of their hazard phrases prior to disposal. Soils are classified as a mirror entry waste and should be classified on the basis of their specific chemical properties. Terra Firma (Wales) Ltd offer this service if required.

9.2 Foundation and Floor Slab Solution

Due to cyclic effect of wind loads from the turbine and the 'loosening' of foundation materials this will have with time a piled foundation solution is recommended. A bored piled foundation solution socketed into the siltstone bedrock located at a depth of 26m below existing ground levels is used. For a 300mm bored pile with a typical length of 27m an allowable working load of 600kN should be achieved.

Variations in the quoted pile lengths should be expected.

The estimated working pile loads, pile type and lengths are given for guidance only and should be confirmed by a specialist piling contractor and it may be prudent to test drive/install piles at selected locations.

For the quoted pile sizes, founded within the competent in-situ materials, total settlements should not exceed 10mm with differential movements between adjacent piles being less than half this value.

Allowances should be made for the removal of any 'soft spots' and their replacement with well-compacted granular materials. Department of Transport (DoT) Type 2 materials or similar could be used and should be compacted in layers to the specification for Highway Works.

All foundation formations should be inspected by a suitably qualified Engineer before being concreted.

9.3 Excavations and Formations

Most of the shallow excavations will be possible with normal soil excavating machinery.

Shallow perched water and groundwater flows were not encountered during the investigation. Any water inflows together with rainwater infiltration should be dealt with by conventional pumping techniques. However, it should be noted that during times of heavy rainfall a higher water table will be encountered.

The sides of any excavations deeper than 1.20m, or shallower if unstable, should be supported by planking and strutting or other proprietary means.

The sub-formations/formations are likely to be susceptible to loosening, softening and deterioration by exposure to weather (rain, frost and drying conditions), the action of water (flood water or removal of groundwater) and site traffic.

Formations should never be left unprotected and continuously exposed to rain causing degradation, or left exposed/uncovered overnight, unless permitted by a qualified engineer.

Construction plant and other vehicular traffic should not be operated on unprotected formations.

As a minimum the formation/excavation surfaces must be protected by blinding concrete immediately after exposure.

Allowances should be made for the removal of soft spots/areas and their replacement with well compacted granular materials.

Allowances should also be made for special precautions to prevent formation deterioration in addition to the above.

9.4 Protection of Buried Concrete

When the results are compared with Table C1/C2 of BRE Digest 1:2005, it indicates that buried concrete should generally conform to DS-1 Class AC-1s.

**ANNEX A
Envirocheck Report**

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

288727065_1_1

Customer Reference:

16976

National Grid Reference:

279770, 183500

Slice:

A

Site Area (Ha):

0.01

Search Buffer (m):

1000

Site Details:

Site at 279770, 183500

Client Details:

Ms R Liley
Terra Firma (Wales) Ltd
5 Deryn Court
Wharfdale Road
Pentwyn
Cardiff
CF23 7HB

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Waste	28
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Geological	34
Industrial Land Use	37
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Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client. In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2			1	8
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 4		1		
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 4		4	1	
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 5		Yes		
Pollution Incidents to Controlled Waters	pg 5		1	5	4
Prosecutions Relating to Authorised Processes	pg 7			1	
Registered Radioactive Substances					
River Quality	pg 7			1	1
River Quality Biology Sampling Points	pg 7				1
River Quality Chemistry Sampling Points	pg 8				2
Substantiated Pollution Incident Register	pg 9			1	1
Water Abstractions	pg 10		4	14	(*8)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 16	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 16	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 16	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 16		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 16		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 17		4	24	63

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 28		1		
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)	pg 28				2
Licensed Waste Management Facilities (Locations)	pg 28		1	2	3
Local Authority Landfill Coverage		1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 30			1	1
Potentially Infilled Land (Non-Water)	pg 30				1
Potentially Infilled Land (Water)	pg 30		5	11	31
Registered Landfill Sites	pg 32			1	1
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites	pg 33			1	
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 34	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 34	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 35	Yes	n/a	n/a	n/a
Mining Instability	pg 35	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 35	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 35		Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 35	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 35	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 35	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 36	Yes		n/a	n/a
Radon Potential - Radon Affected Areas	pg 36	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 36	Yes	n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 37		34	7	
Fuel Station Entries					
Points of Interest - Commercial Services	pg 40		8	1	
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 41		6	8	8
Points of Interest - Public Infrastructure	pg 43		1	4	2
Points of Interest - Recreational and Environmental					
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland	pg 45			1	1
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves	pg 45				1
Marine Nature Reserves					
National Nature Reserves	pg 45				1
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest	pg 45				3
Special Areas of Conservation	pg 45				1
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	0	1	279770 183500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (E)	140	1	279900 183450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (NE)	165	1	279900 183600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (SW)	193	1	279650 183350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	230	1	280000 183500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (E)	236	1	280000 183550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (SE)	269	1	279950 183300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (SE)	305	1	280000 183300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	345	1	280100 183600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	352	1	279800 183150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	376	1	280050 183750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	394	1	279950 183850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	409	1	280150 183650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	414	1	280100 183750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	430	1	280200 183500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	430	1	280200 183500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	433	1	280200 183550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	433	1	280200 183450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	466	1	279650 183050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	485	1	279950 183050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (NE)	485	1	280150 183800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: Borg Warner Automotive Property Type: Motor Vehicle Parts Location: Kenfig Ind Estate Margam Pt Talbot, Margam, Port Talbot, Sa13 2pg Authority: Natural Resources Wales Catchment Area: Afon Kenfig Reference: BB4000301 Permit Version: 1 Effective Date: 2nd November 1972 Issued Date: 2nd November 1972 Revocation Date: 8th September 2006 Discharge Type: Trade Discharges - Cooling Water Discharge: Not Supplied Environment: Receiving Water: River Kenfig Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	278	2	279530 183360
2	Discharge Consents Operator: British Steel Plc (Tinplate) Property Type: Coal Extraction, Deep Mine Location: New Lands Colliery Kenfig Port Tal, Kenfig Port Talbot Authority: Natural Resources Wales Catchment Area: Afon Kenfig Reference: Bm0040801 Permit Version: 1 Effective Date: 24th September 1984 Issued Date: 24th September 1984 Revocation Date: 22nd January 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Castle Stream Tributary Of Riv Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A14SW (SE)	677	2	280390 183230
3	Discharge Consents Operator: Orion Electric (Uk) Ltd Property Type: Domestic Type Electrical Equipment Location: Margam New Ctv Factory Site Kenfig, New Ctv Factory Site Kenfig Ind, Kenfig Ind Estate Authority: Natural Resources Wales Catchment Area: Afon Kenfig Reference: Bp0082601 Permit Version: 1 Effective Date: 13th June 1988 Issued Date: 13th June 1988 Revocation Date: 4th January 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Ty Du Brook Tributary Of River Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	729	2	280300 183000
4	Discharge Consents Operator: British Coal Corporation Property Type: Coal Extraction, Deep Mine Location: Newlands Colliery Stw Authority: Natural Resources Wales Catchment Area: Afon Kenfig Reference: Ba2007201 Permit Version: 1 Effective Date: 12th August 1963 Issued Date: 12th August 1963 Revocation Date: 4th March 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: River Bwrlac Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A14NE (E)	731	2	280500 183530

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Discharge Consents Operator: British Coal Corporation Property Type: Coal Extraction, Surface Location: Newlands Colliery - Washery - Authority: Natural Resources Wales Catchment Area: Afon Kenfig Reference: Bb3025401 Permit Version: 1 Effective Date: 29th July 1971 Issued Date: 29th July 1971 Revocation Date: 5th March 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Tu Dy Brook Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A14NE (E)	758	2	280520 183610
5	Discharge Consents Operator: Ryan Coal Ltd Property Type: Undefined Or Other Location: Cribbwr Fawr/Newlands Scheme - Authority: Natural Resources Wales Catchment Area: Afon Kenfig Reference: Bp0001201 Permit Version: 1 Effective Date: 16th September 1985 Issued Date: 16th September 1985 Revocation Date: 18th November 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Unnamed Trib. River Kenfig Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A14NE (E)	796	2	280560 183590
6	Discharge Consents Operator: Ashtenne Industrial Fund Ltd Partnership Property Type: Sewerage Network - Sewers - Water Company Location: Kenfig Ind Estate Margam Pt Talbot, Margam, Port Talbot, Sa13 2pe Authority: Natural Resources Wales Catchment Area: KENFIG - HEADWATERS TO TIDAL Reference: Bm0026101 Permit Version: 1 Effective Date: 18th November 1982 Issued Date: 18th November 1982 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Site Drainage (Contam Surface Water, Not Waste Site) Discharge: Freshwater Stream/River Environment: Receiving Water: River Kenfig Status: Effective Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	775	2	280260 182900
6	Discharge Consents Operator: Ashtenne Industrial Fund Ltd Partnership Property Type: Sewerage Network - Sewers - Water Company Location: Kenfig Ind Estate Margam Pt Talbot, Margam, Port Talbot, Sa13 2pe Authority: Natural Resources Wales Catchment Area: Afon Kenfig Reference: BM0026101 Permit Version: 1 Effective Date: 18th November 1982 Issued Date: 18th November 1982 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Site Drainage (Contam Surface Water, Not Tips) Discharge: Freshwater Stream/River Environment: Receiving Water: River Kenfig Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	775	2	280260 182900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Discharge Consents Operator: Transrail Freight Ltd Property Type: Undefined Or Other Location: Margam Traction Maintenance Margam, Margam Port Talbot Authority: Natural Resources Wales Catchment Area: Afon Kenfig Reference: Ba2020901 Permit Version: 1 Effective Date: 24th January 1964 Issued Date: 24th January 1964 Revocation Date: 12th September 1997 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Afon Cynffig Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A12NW (NW)	816	2	279020 183820
8	Prosecutions Relating to Controlled Waters Location: Kenfig Industrial Area, Margam, Port Talbot, West Glamorgan, SA13 Prosecution Text: Diesel Overflowed From Boiler Room When Re-Fuelling Was Carried Out Unsupervised Prosecution Act: Wra91 S85(1) Hearing Date: 21st August 2002 Verdict: Guilty Fine: 6000 Cost: 1459 Positional Accuracy: Manually positioned within the geographical locality	A8NE (S)	371	4	279865 183142
9	Integrated Pollution Prevention And Control Name: Celtic Chemicals Limited Location: Celtic Chemicals Limited, Units 25-27, Kenfig Industrial Estate, Margam, Port Talbot, Neath Port Talbot, SA13 2PE Authority: Natural Resources Wales Permit Reference: NP3634MU Original Permit Ref: Np3634mu Effective Date: 9th August 2007 Status: Effective Application Type: Bespoke App. Sub Type: Not Supplied Positional Accuracy: Manually positioned to the address or location Activity Code: 4.2 PART A (1) A) (IV) Activity Description: Not Supplied Primary Activity: Y	A13NW (W)	216	2	279555 183516
10	Local Authority Pollution Prevention and Controls Name: ISE (UK) Furniture Limited Location: Kenfig Industrial Estate, Kenfig, PORT TALBOT, West Glamorgan, SA13 2PG Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: e3/1/58 Dated: 23rd September 1997 Process Type: Local Authority Air Pollution Control Description: PG6/33 Wood coating Status: Authorisation has varied Positional Accuracy: Manually positioned within the geographical locality	A13SW (S)	85	3	279744 183420
11	Local Authority Pollution Prevention and Controls Name: Weldwell Ltd Location: Units 17-20 Kenfig Industrial Estate, PORT TALBOT, West Glamorgan, SA13 2PE Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: Not Given Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG2/6 Aluminium and aluminium alloy processes Status: Authorisation revoked Positional Accuracy: Manually positioned to the address or location	A13NW (W)	168	3	279613 183559
12	Local Authority Pollution Prevention and Controls Name: Borg Warner Automotive GmbH Location: Kenfig Industrial Estate, Kenfig, Margam, PORT TALBOT, West Glamorgan, SA13 2PG Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/59 Dated: 16th May 1997 Process Type: Local Authority Air Pollution Control Description: PG6/23 Coating of metal and plastic Status: Authorisation has varied Positional Accuracy: Automatically positioned to the address	A13NE (E)	186	3	279953 183525

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	Local Authority Pollution Prevention and Controls Name: K & A Finishing Co Ltd Location: Unit 26-27 Kenfig Industrial Estate, Margam, NEATH PORT TALBOT, SA13 2PE Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/95 Dated: 19th December 2002 Process Type: Local Authority Air Pollution Control Description: PG6/23 Coating of metal and plastic Status: Authorised Positional Accuracy: Manually positioned to the address or location	A13NW (W)	222	3	279550 183521
14	Local Authority Pollution Prevention and Controls Name: Carre Plc Location: Unit 1 Kenfig Industrial Estate, Margam, Neath, PORT TALBOT, SA13 2PE Authority: Neath Port Talbot County Borough Council, Environmental Health Department Permit Reference: E3/1/99 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/33 Wood coating Status: Authorised Positional Accuracy: Manually positioned to the address or location	A14SW (SE)	436	3	280119 183240
	Nearest Surface Water Feature	A13SW (SW)	219	-	279636 183328
15	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Kenfig Industrial Estate Authority: Environment Agency, Welsh Region Pollutant: Agricultural: Silage Liquor Note: Not Supplied Incident Date: 10th July 1996 Incident Reference: 29059 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (S)	105	4	279800 183400
16	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Rear Of Kenfig Industrial Estate, Informants Farm Authority: Environment Agency, Welsh Region Pollutant: Mining Water Note: Inadequate Design/Capacity Incident Date: 20th March 1996 Incident Reference: 27792 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leachate Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	263	4	279600 183300
17	Pollution Incidents to Controlled Waters Property Type: Council Premises Location: Bsc Pumping Station, KENFIG Authority: Environment Agency, Welsh Region Pollutant: Rubbish Note: Inadequate Design/Capacity Incident Date: 25th November 1991 Incident Reference: 3808 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Burst Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (W)	288	4	279500 183400
18	Pollution Incidents to Controlled Waters Property Type: Waste Handling Facilities Location: British Rail, Margam Depot Authority: Environment Agency, Welsh Region Pollutant: Mining Water Note: Neglect Incident Date: 15th January 1991 Incident Reference: 2563 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13SE (S)	302	4	279800 183200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	Pollution Incidents to Controlled Waters Property Type: Waste Disposal Tip Location: Industrial Estate, KENFIG Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Poor Operational Practise Incident Date: 28th November 1994 Incident Reference: 21894 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leachate Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13SE (S)	316	4	279850 183195
20	Pollution Incidents to Controlled Waters Property Type: Not Given Location: From John Raymond Transport, Kenfig Industrial Estate, Next To Borgwarner Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Note: Inadequate Design Incident Date: 4th February 1997 Incident Reference: 31094 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (W)	384	4	279400 183400
21	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Sewerage Location: Adjacent Pyle Industrial Estate Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Mechanical Failure Incident Date: 13th June 1991 Incident Reference: 865 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Burst Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	697	4	279200 183900
22	Pollution Incidents to Controlled Waters Property Type: Not Given Location: M4 Crossing, MARGAM Authority: Environment Agency, Welsh Region Pollutant: Sewage - Treated Effluent Note: Not Supplied Incident Date: 5th September 1995 Incident Reference: 26220 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	729	4	280300 183000
23	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Eglwys Nunydd Reservoir, PORT TALBOT Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Not Supplied Incident Date: 30th April 1996 Incident Reference: 28360 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	924	4	279300 184295
23	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Surface Water Outfall Location: Eglwys Nunydd, Reservoir, PORT TALBOT Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Not Supplied Incident Date: 30th April 1996 Incident Reference: 28360 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Direct Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	928	4	279300 184300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	Prosecutions Relating to Authorised Processes Location: Unit 3 Kenfig Industrial Estate, Margam, Port Talbot Prosecution Text: Failed To Comply With The Packaging Waste Regulations Directive Prosecution Act: Pro97 Hearing Date: 22nd April 2003 Verdict: Guilty Fine: 15000 Costs: 1489 Positional Accuracy: Manually positioned within the geographical locality	A13SE (SE)	451	4	280088 183181
	River Quality Name: Kenfig GQA Grade: River Quality B Reach: Tidal Limit - Conf. Castle Strm Estimated Distance (km): 2 Flow Rate: Flow less than 1.25 cumecs Flow Type: River Year: 2000	A13SW (SW)	380	4	279492 183242
	River Quality Name: Kenfig GQA Grade: River Quality B Reach: Conf.Castle Strm - Conf.Afon Fach Estimated Distance (km): 2 Flow Rate: Flow less than 1.25 cumecs Flow Type: River Year: 2000	A9SW (SE)	818	4	280230 182824
25	River Quality Biology Sampling Points Name: Kenfig Reach: Tidal Limit To Confluence Castle Stream Estimated Distance: 2.00 Positional Accuracy: Located by supplier to within 100m Year: 1990 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 1995 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2000 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2002 GQA Grade: River Quality Biology GQA Grade Not Supplied Year: 2003 GQA Grade: River Quality Biology GQA Grade Not Supplied Year: 2004 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2005 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2006 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2007 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2008 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2009 GQA Grade: River Quality Biology GQA Grade E - Poor	A9NW (SE)	739	4	280200 182900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	River Quality Chemistry Sampling Points Name: Kenfig Reach: Tidal Limit To Confluence Castle Stream Estimated Distance: 2.00 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied	A8NW (SW)	503	4	279499 183077

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	River Quality Chemistry Sampling Points Name: Kenfig Reach: Confluence Castle Stream To Confluence Afon Fach Estimated Distance: 2.00 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied	A8NW (SW)	503	4	279499 183077
27	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 2nd May 2019 Incident Reference: 1902805 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Pollutant Not Identified: Not Identified	A8NE (S)	439	2	279788 183062
28	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 25th April 2003 Incident Reference: 153897 Water Impact: Category 4 - No Impact Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Inert : Construction / Demolition Material	A9NW (SE)	913	2	280430 182870

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	Water Abstractions Operator: Incubator Properties Limited Licence Number: 21/58/51/0010 Permit Version: 101 Location: Well At Borg Warner Ltd Authority: Environment Agency, Welsh Region Abstraction: Metal: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st June 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	29	4	279790 183480
29	Water Abstractions Operator: Incubator Properties Limited Licence Number: 21/58/51/0010 Permit Version: 101 Location: Well At Borg Warner Ltd Authority: Environment Agency, Welsh Region Abstraction: Metal: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st June 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	29	4	279790 183480
29	Water Abstractions Operator: Borg Warner Ltd Licence Number: 21/58/51/0010 Permit Version: 100 Location: Well At Borg Warner Ltd Authority: Environment Agency, Welsh Region Abstraction: Metal: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 31st March 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	29	4	279790 183480
29	Water Abstractions Operator: Borg Warner Ltd Licence Number: 21/58/51/0010 Permit Version: 100 Location: Well At Borg Warner Ltd Authority: Environment Agency, Welsh Region Abstraction: Metal: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Licenced from 01-Jan to 31-Dec Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 31st March 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	32	4	279790 183475

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	Water Abstractions Operator: Solo Laundry Services Limited Licence Number: 21/58/51/0031 Permit Version: 5 Location: Borehole At Kenfig Industrial Estate Authority: Natural Resources Wales Abstraction: Laundry: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 22nd October 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SE (S)	311	2	279850 183200
30	Water Abstractions Operator: Solo Property Services Limited Licence Number: 21/58/51/0031 Permit Version: 4 Location: Borehole At Kenfig Industrial Estate Authority: Natural Resources Wales Abstraction: Laundry: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 12 July Permit Start Date: 10th July 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SE (S)	311	2	279850 183200
30	Water Abstractions Operator: Dyfed Cleaning Services Limited Licence Number: 21/58/51/0031 Permit Version: 3 Location: Borehole At Kenfig Industrial Estate Authority: Natural Resources Wales Abstraction: Laundry: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th June 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SE (S)	311	2	279850 183200
30	Water Abstractions Operator: Dyfed Cleaning Services Limited Licence Number: 21/58/51/0031 Permit Version: 2 Location: Borehole At Kenfig Industrial Estate Authority: Environment Agency, Welsh Region Abstraction: Laundry: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 18th May 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SE (S)	311	4	279850 183200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	Water Abstractions Operator: Dyfed Cleaning (South Wales) Limited Licence Number: 21/58/51/0031 Permit Version: 1 Location: Borehole At Kenfig Industrial Estate Authority: Environment Agency, Welsh Region Abstraction: Laundry: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th July 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SE (S)	311	4	279850 183200
30	Water Abstractions Operator: Alpha Flock Ltd Licence Number: 21/58/51/0028 Permit Version: 100 Location: U/G Strata Clay And Gravel Deposits Authority: Environment Agency, Welsh Region Abstraction: Chemicals: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: U/G Strata Clay + Gravel Deposits Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd February 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13SE (S)	311	4	279850 183200
30	Water Abstractions Operator: Solo Laundry & Linen Services Ltd Licence Number: Wa/058/0051/0001 Permit Version: Not Supplied Location: Kenfig Industrial Estate, 1 Axis Court, Riverside Business Park, Mallard Way, Swansea, Sa7 0aj Authority: Natural Resources Wales Abstraction: Laundry: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SE (S)	311	2	279850 183200
30	Water Abstractions Operator: Solo Laundry Services Limited Licence Number: 21/58/51/0031 Permit Version: Not Supplied Location: Abstraction From Bh For Laundry Washing All Year Authority: Natural Resources Wales Abstraction: Laundry: Process water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SE (S)	311	2	279850 183200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	Water Abstractions Operator: Tata Steel Uk Limited Licence Number: 21/58/51/0004 Permit Version: 101 Location: River Kenfig Authority: Natural Resources Wales Abstraction: Metal: Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th November 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	340	2	279520 183270
31	Water Abstractions Operator: Tata Steel Uk Limited Licence Number: 21/58/51/0004 Permit Version: 101 Location: River Kenfig Authority: Natural Resources Wales Abstraction: Metal: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th November 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	340	2	279520 183270
31	Water Abstractions Operator: Corus Uk Strip Products Licence Number: 21/58/51/0004 Permit Version: 100 Location: River Kenfig Authority: Environment Agency, Welsh Region Abstraction: Metal: Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: R.Kenfig Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	340	4	279520 183270
31	Water Abstractions Operator: Tata Steel Uk Limited Licence Number: 21/58/51/0004 Permit Version: Not Supplied Location: Land At British Steel Port Talbot (Kenfig And Castle) Authority: Natural Resources Wales Abstraction: Metal: Evaporative Cooling Abstraction Type: Water may be abstracted from any point within an area Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	340	2	279520 183270

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	Water Abstractions Operator: Tata Steel Uk Limited Licence Number: 21/58/51/0004 Permit Version: Not Supplied Location: Land At British Steel Port Talbot (Kenfig And Castle) Authority: Natural Resources Wales Abstraction: Metal: Process Water Abstraction Type: Water may be abstracted from any point within an area Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	340	2	279520 183270
31	Water Abstractions Operator: Corus Uk Strip Products Licence Number: 21/58/51/0004 Permit Version: 100 Location: River Kenfig Authority: Environment Agency, Welsh Region Abstraction: Metal: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Tydu Brook (Castle Stream) Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	344	4	279520 183265
	Water Abstractions Operator: Speed9280 Ltd Licence Number: 21/58/44/0033 Permit Version: 1 Location: Lakeside Golf Club Production Borehole Authority: Natural Resources Wales Abstraction: Golf Courses: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 1st April 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24NW (N)	1415	2	280160 184860
	Water Abstractions Operator: Speed9280 Ltd Licence Number: 21/58/44/0033 Permit Version: Not Supplied Location: Borehole Water Supply For Irrigation Authority: Natural Resources Wales Abstraction: Golf Courses: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24NW (N)	1415	2	280160 184860

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Corus Uk Strip Products Licence Number: 21/58/51/0004 Permit Version: 100 Location: Tydu Brook (Castle Stream) Authority: Environment Agency, Welsh Region Abstraction: Metal: Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Licenced from 01-Jan to 31-Dec Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1969	4	280400 185365
	Water Abstractions Operator: Tata Steel Uk Limited Licence Number: 21/58/51/0004 Permit Version: 101 Location: Tydu Brook (Castle Stream) Authority: Natural Resources Wales Abstraction: Metal: Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th November 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1974	2	280400 185370
	Water Abstractions Operator: Tata Steel Uk Limited Licence Number: 21/58/51/0004 Permit Version: 101 Location: Tydu Brook (Castle Stream) Authority: Natural Resources Wales Abstraction: Metal: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th November 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1974	2	280400 185370
	Water Abstractions Operator: Corus Uk Strip Products Licence Number: 21/58/51/0004 Permit Version: 100 Location: Tydu Brook (Castle Stream) Authority: Environment Agency, Welsh Region Abstraction: Metal: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Licenced from 01-Jan to 31-Dec Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1974	4	280400 185370

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Tata Steel Uk Limited Licence Number: 21/58/51/0004 Permit Version: Not Supplied Location: Land At British Steel Port Talbot (Kenfig And Castle) Authority: Natural Resources Wales Abstraction: Metal: Evaporative Cooling Abstraction Type: Water may be abstracted from any point within an area Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1974	2	280400 185370
	Water Abstractions Operator: Tata Steel Uk Limited Licence Number: 21/58/51/0004 Permit Version: Not Supplied Location: Land At British Steel Port Talbot (Kenfig And Castle) Authority: Natural Resources Wales Abstraction: Metal: Process Water Abstraction Type: Water may be abstracted from any point within an area Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1974	2	280400 185370
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	A13NE (NE)	0	2	279770 183500
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (NE)	0	2	279770 183500
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13NE (NE)	0	2	279770 183500
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	207	2	279635 183344
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	238	2	279575 183364
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	245	2	279583 183344
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	238	2	279575 183364

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	246	2	279584 183340
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 92.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A13SW (SW)	223	5	279635 183323
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A13SW (SW)	223	5	279635 183323
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A13SW (SW)	224	5	279656 183308
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 122.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A13SW (W)	235	5	279551 183418
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 459.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A13NW (W)	285	5	279486 183521
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 171.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A13SW (S)	290	5	279743 183212
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A13SW (SW)	309	5	279559 183276

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 125.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A13SW (W)	312	5	279476 183396
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A13SW (SW)	319	5	279543 183277
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 285.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A13NW (N)	322	5	279734 183819
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A13SW (S)	327	5	279735 183175
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 113.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A13SW (S)	327	5	279737 183175
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 69.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A13SW (S)	329	5	279725 183174
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 175.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A13SW (SW)	334	5	279539 183259
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A13SW (SW)	336	5	279517 183279
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A12SE (W)	369	5	279402 183498

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 596.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Cynffig Catchment Name: Kenfig Primacy: 1	A8NW (S)	375	5	279697 183133
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 83.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Cynffig Catchment Name: Kenfig Primacy: 1	A8NW (S)	377	5	279675 183136
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 505.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A12NE (W)	384	5	279387 183518
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 2	A18SW (NW)	398	5	279591 183855
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 93.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Cynffig Catchment Name: Kenfig Primacy: 1	A8NW (SW)	402	5	279592 183140
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 2	A18SW (NW)	430	5	279585 183888
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 975.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A18SW (N)	454	5	279753 183953
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 125.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A12NE (W)	463	5	279333 183653
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A18SW (NW)	476	5	279578 183935

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Cynffig Catchment Name: Kenfig Primacy: 1	A8NW (SW)	485	5	279516 183088
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 217.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Cynffig Catchment Name: Kenfig Primacy: 1	A8NW (SW)	496	5	279505 183081
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 133.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A18SW (NW)	499	5	279522 183933
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 333.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A12NE (W)	535	5	279263 183669
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A12SE (SW)	554	5	279320 183178
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1492.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Cynffig Catchment Name: Kenfig Primacy: 1	A12SE (SW)	554	5	279320 183178
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A17SE (NW)	560	5	279429 183944
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A17SE (NW)	560	5	279429 183944
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A7NE (SW)	568	5	279365 183102

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 198.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A7NE (SW)	568	5	279398 183071
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A12NE (NW)	570	5	279248 183730
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A7NE (SW)	580	5	279333 183120
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A7NE (SW)	584	5	279310 183141
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A8NW (SW)	589	5	279534 182961
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A8NW (SW)	593	5	279527 182960
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 162.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A8NW (S)	595	5	279546 182949
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A8NW (S)	595	5	279546 182949
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A8NW (S)	595	5	279542 182951

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 492.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A8NW (S)	639	5	279679 182868
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A9NW (SE)	650	5	280133 182961
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 108.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A9NW (SE)	655	5	280136 182958
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 362.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Cwm Philip Catchment Name: Kenfig Primacy: 1	A14SW (E)	658	5	280407 183336
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 107.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Cwm Philip Catchment Name: Kenfig Primacy: 1	A9NW (SE)	707	5	280332 183073
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.5 Watercourse Level: Underground Permanent: True Watercourse Name: Nant Cwm Philip Catchment Name: Kenfig Primacy: 1	A14SE (E)	712	5	280479 183448
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A9NW (SE)	714	5	280373 183118
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 598.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A9NW (SE)	718	5	280377 183118
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 429.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Cwm Philip Catchment Name: Kenfig Primacy: 1	A14NE (E)	720	5	280447 183744

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 125.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Cwm Philip Catchment Name: Kenfig Primacy: 1	A9NW (SE)	724	5	280319 183029
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A9NW (SE)	724	5	280319 183029
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 90.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Cwm Philip Catchment Name: Kenfig Primacy: 1	A14NE (E)	730	5	280499 183502
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.5 Watercourse Level: Underground Permanent: True Watercourse Name: Nant Cwm Philip Catchment Name: Kenfig Primacy: 1	A14NE (E)	735	5	280495 183620
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Cwm Philip Catchment Name: Kenfig Primacy: 1	A14NE (E)	735	5	280494 183624
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A14NE (E)	735	5	280494 183624
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 68.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Cwm Philip Catchment Name: Kenfig Primacy: 1	A14NE (E)	737	5	280500 183598
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 791.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A14NE (E)	737	5	280496 183625
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 53.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A9NW (SE)	745	5	280348 183031

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 67.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A14NE (E)	749	5	280518 183532
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A9NW (SE)	749	5	280234 182912
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 146.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Cynffig Catchment Name: Kenfig Primacy: 1	A9NW (SE)	753	5	280237 182910
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Cynffig Catchment Name: Kenfig Primacy: 1	A9NW (SE)	753	5	280237 182910
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 85.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Cynffig Catchment Name: Kenfig Primacy: 1	A9NW (SE)	759	5	280259 182920
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A9NW (SE)	778	5	280176 182836
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 212.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A9NW (SE)	793	5	280399 183018
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 148.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A8SE (S)	797	5	280014 182741
101	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 98.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A17SW (NW)	803	5	279091 183928

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 434.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A14NE (E)	808	5	280575 183567
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A9NW (SE)	813	5	280329 182910
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 363.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Cynffig Catchment Name: Kenfig Primacy: 1	A9NW (SE)	815	5	280336 182913
105	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 4.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A9NW (SE)	817	5	280328 182903
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A17SE (NW)	821	5	279253 184137
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 230.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A17SE (NW)	826	5	279275 184160
108	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 91.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 2	A17SE (NW)	848	5	279191 184118
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 83.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A17SW (NW)	883	5	279056 184018
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 59.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 2	A17SW (NW)	883	5	279063 184028

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 2	A17SW (NW)	883	5	279060 184024
112	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 298.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nant Cwm Philip Catchment Name: Kenfig Primacy: 1	A19SE (NE)	884	5	280478 184029
113	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A19SE (NE)	884	5	280478 184029
114	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A8SE (S)	886	5	279954 182634
115	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A8SE (S)	891	5	279959 182630
116	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 2	A17SE (NW)	899	5	279102 184101
117	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 2	A17SW (NW)	922	5	279060 184086
118	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 63.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A17SW (NW)	932	5	278979 183992
119	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 100.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A17NE (NW)	957	5	279154 184232

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
120	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 152.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A17SW (NW)	965	5	278996 184076
121	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 68.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A17SW (NW)	993	5	278931 184030
122	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Kenfig Primacy: 1	A17SW (NW)	993	5	278931 184030

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
123	Historical Landfill Sites Licence Holder: Gerald Davies Limited Location: Kenfig Ind Est, Margam, Port Talbot Name: Gerald Davies Limited Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD14878 First Input Date: 21st September 1992 Last Input Date: Not Supplied Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 34037 Regis Ref: WV1/L/GER001 WRC Ref: 6930/0008 BGS Ref: Not Supplied Other Ref: C6/03/92, SWW-42-L	A13NW (N)	213	2	279730 183709
124	Licensed Waste Management Facilities (Landfill Boundaries) Name: Castle Meadow Licence Number: 34051 Location: Castle Meadow, Kenfig Ind Est, Kenfig Hill, Bridgend, Glamorgan, SA13 2PE Licence Holder: Corrigan William Authority: Natural Resources Wales Site Category: Landfills Taking Non-biodegradable Wastes (Not Construction) Max Input Rate: Not Supplied Licence Status: Closure Issued: 24th September 1992 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A8NW (S)	623	2	279689 182882
125	Licensed Waste Management Facilities (Landfill Boundaries) Name: Morfa Tip Closed Landfill Site Licence Number: 34000 Location: Port Talbot Works, Abbey Works, Margam, Port Talbot, N P T, SA13 2NG Licence Holder: Corus (U K) Ltd Authority: Natural Resources Wales Site Category: Industrial Waste Landfills Max Input Rate: Not Supplied Licence Status: Modified Issued: 30th January 1977 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A12NW (W)	904	2	278906 183764
126	Licensed Waste Management Facilities (Locations) Licence Number: 34253 Location: Gerald Davies, Kenfig Ind Est, Margam, N P T, SA13 2PE Operator Name: Groundcover D B M Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Mobile Plant Licence Status: Modified Issued: 23rd December 2004 Last Modified: 4th May 2006 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Manually positioned within the geographical locality	A13NE (NE)	68	2	279815 183550
127	Licensed Waste Management Facilities (Locations) Licence Number: UP3598FW Location: Gwent Demolition & Construction Ltd, Kenfig, N P T, Neath Port Talbot, SA13 2PE Operator Name: Gwent Demolition & Construction Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Metal Recycling Sites (Mixed) Licence Status: Effective Issued: 1st March 1994 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SE (W)	446	2	279327 183454

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
127	Licensed Waste Management Facilities (Locations) Licence Number: 34090 Location: Margam Depot, Nr Kenfig Ind. Estate, Kenfig, SA13 2PE Operator Name: Gwent Demolition & Construction Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Metal Recycling Sites (Mixed) Licence Status: Issued Issued: 1st March 1994 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SE (W)	446	2	279327 183454
128	Licensed Waste Management Facilities (Locations) Licence Number: 34037 Location: Kenfig Ind Est, Margam, Port Talbot, N P T, SA13 2PE Operator Name: Gerald Davies Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Landfills Taking Non-biodegradable Wastes (Not Construction) Licence Status: Surrendered Issued: 6th March 1992 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 13th October 2000 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12NE (NW)	511	2	279300 183700
129	Licensed Waste Management Facilities (Locations) Licence Number: BP3698FP Location: Castle Meadow, Kenfig Ind Est, Kenfig Hill, Bridgend, Glamorgan, Bridgend, SA13 2PE Operator Name: William Corrigan Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Landfills Taking Non-biodegradable Wastes (Not Construction) Licence Status: Effective Issued: 24th September 1992 Last Modified: Not Supplied Expires: 21st May 2002 Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8NW (S)	638	2	279693 182867
129	Licensed Waste Management Facilities (Locations) Licence Number: 34051 Location: Castle Meadow, Kenfig Ind Est, Kenfig Hill, Bridgend, SA13 2PE Operator Name: Corrigan William Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Landfills Taking Non-biodegradable Wastes (Not Construction) Licence Status: Closed Issued: 24th September 1992 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8NW (S)	638	2	279693 182867
	Local Authority Landfill Coverage Name: Neath Port Talbot County Borough Council - Has supplied landfill data		0	3	279770 183500
	Local Authority Landfill Coverage Name: Bridgend County Borough Council - Has supplied landfill data		501	6	279502 183077

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
130	Local Authority Recorded Landfill Sites Location: Kenfig Industrial Site Reference: Not Supplied Authority: Neath Port Talbot County Borough Council, Environmental Health Department Last Reported Status: Not Supplied Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Applicable	A13NW (NW)	407	3	279450 183750
131	Local Authority Recorded Landfill Sites Location: Castle Meadow, Kenfig Ind Estate, Bridgend Reference: Not Supplied Authority: Bridgend County Borough Council Last Reported Status: Not Supplied Types of Waste: Inert Date of Closure: Not Supplied Positional Accuracy: Manually positioned within the geographical locality Boundary Quality: Not Applicable	A8SE (S)	712	6	279900 182800
132	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1987	A14NE (E)	721	-	280481 183618
133	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A13NE (NE)	40	-	279802 183524
134	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A13SW (W)	58	-	279717 183479
135	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NE (NE)	71	-	279834 183529
136	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A13NW (N)	131	-	279757 183630
137	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A13SW (SW)	152	-	279701 183365
138	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1885	A13NW (N)	301	-	279729 183798
139	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A13SW (S)	326	-	279743 183175
140	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A13SW (SW)	330	-	279545 183259
141	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A13SW (SW)	357	-	279456 183331
142	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1885	A13NW (NW)	363	-	279602 183821
143	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A18SW (NW)	389	-	279599 183849
144	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A8NE (S)	408	-	279836 183098
145	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A8NW (S)	412	-	279655 183105
146	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A8NE (S)	412	-	279837 183094

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
147	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A14NW (NE)	450	-	280168 183709
148	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A12SE (W)	455	-	279344 183343
149	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1885	A17SE (NW)	514	-	279405 183860
150	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A17SE (NW)	552	-	279384 183894
151	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A17SE (NW)	572	-	279389 183926
152	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A17SE (NW)	579	-	279395 183940
153	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A14SW (SE)	665	-	280353 183181
154	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A8NE (SE)	665	-	280107 182927
155	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A17SE (NW)	703	-	279278 184001
156	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A14SE (E)	704	-	280471 183444
157	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A9NW (SE)	713	-	280372 183120
158	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A17SE (NW)	714	-	279275 184014
159	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1885	A14NE (E)	729	-	280487 183630
160	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1885	A8NE (SE)	729	-	280076 182838
161	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A17SE (NW)	736	-	279306 184071
162	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A19SW (NE)	742	-	280282 184037
163	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A9NW (SE)	761	-	280238 182900
164	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A8SE (S)	764	-	280046 182788
165	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A19SW (NE)	767	-	280268 184083
166	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A9NW (SE)	768	-	280351 182999
167	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A17SE (NW)	781	-	279315 184134

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
168	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A17SW (NW)	814	-	279095 183954
169	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1885	A14NE (E)	816	-	280583 183562
170	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A17SW (NW)	825	-	279085 183959
171	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1885	A17SE (NW)	839	-	279263 184167
172	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A9NW (SE)	842	-	280386 182926
173	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A17SE (NW)	857	-	279187 184127
174	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A17NE (NW)	886	-	279269 184230
175	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1965	A19SW (NE)	890	-	280388 184141
176	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1885	A17NE (NW)	901	-	279227 184218
177	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	A18NE (N)	919	-	279952 184400
178	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1885	A17NE (NW)	973	-	279175 184269
179	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A17SW (NW)	996	-	279011 184144
180	Registered Landfill Sites Licence Holder: Gerald Davies Ltd Licence Reference: C6/03/92 Site Location: Kenfig Industrial Estate, Kenfig, Margam, PORT TALBOT, West Glamorgan, SA13 2PE Licence Easting: 279500 Licence Northing: 183800 Operator Location: 134 St Teilo Street, Pontardullais, SWANSEA, West Glamorgan, SA14 1RE Authority: Environment Agency Wales, South West Area Site Category: Landfill Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: Some restriction on source of waste Restrictions: Status: Licence has completion certificateSurrendered Dated: 6th March 1992 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Hardcore, Rock Fill Max.Waste From Fees/Charges Subsoil, Topsoil	A13NW (NW)	404	4	279500 183800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
181	Registered Landfill Sites Licence Holder: W Corrigan Licence Reference: 24 Site Location: Castle Meadow, Kenfig Industrial Estate, Port Talbot, West Glamorgan Licence Easting: 279900 Licence Northing: 182750 Operator Location: 3 Lime Tree Way, Danygraig, Porthcawl, Mid Glamorgan Authority: Environment Agency Wales, South West Area Site Category: Landfill Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Site Closed Dated: 24th September 1992 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Max.Waste From Fees/Charges Max.Waste Permitted By Licence- Stated Nat'L Stone & Slate, Bricks Prohibited Waste: Soil, Subsoil, Excav'N Waste Any Biodegradable Waste Any Substances In Eec Dir. 80/68 Asbestos Poisonous, Noxious, Polluting Wastes Spec.Waste (Epa'90:S62/1996 Regs) Waste In Sealed Drums Waste N.O.S. Wastes Less Than 20% Dry Solids	A8SE (S)	762	4	279900 182750
182	Registered Waste Treatment or Disposal Sites Licence Holder: Gwent Demolition & Construction Ltd Licence Reference: 02/94 Site Location: British Rail Margam Depot, Kenfig, BRIDGEND, Mid Glamorgan, SA13 2PE Operator Location: Pengam Road, Pengam, BLACKWOOD, Gwent, NP2 1TB Authority: Environment Agency Wales, South West Area Site Category: Scrapyard Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Site Closed Dated: 1st March 1994 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Ferrous Metal Scrap Max.Stor Maximum Waste Permitted By Licence Mod 05/03/2001 Non-Ferrous Metal Scrap Max.Stor Prohibited Waste: Highly Flam./Lpg Regs'72 Subs Percussive/Explosive/Similar Waste Spec.Waste (Epa'90:S62/1996 Regs)N.O.S Sub'S Control. Radioactive Subs Act'60 Waste N.O.S.	A12NE (W)	471	4	279300 183500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Pennine Lower Coal Measures Formation And South Wales Lower Coal Measures Formation (Undifferentiated)	A13NE (NE)	0	1	279770 183500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A13NE (NE)	0	1	279770 183500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NE (NE)	26	1	279793 183511
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SW (S)	58	1	279757 183444
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NW (W)	338	1	279433 183512
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A8NW (S)	574	1	279682 182933
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A12NW (W)	771	1	279000 183500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	837	1	278936 183435
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13NE (NE)	0	7	279770 183500
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NE (NE)	0	-	279770 183500
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	279770 183500
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	279770 183500
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	26	1	279793 183511
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	230	1	280000 183500
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	279770 183500
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	26	1	279793 183511
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	230	1	280000 183500
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	279770 183500
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	230	1	280000 183500
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	279770 183500
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	230	1	280000 183500
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	279770 183500
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	26	1	279793 183511

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	230	1	280000 183500
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	279770 183500
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	26	1	279793 183511
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	230	1	280000 183500
	Radon Potential - Radon Affected Areas Affected Area: The property is an Intermediate probability radon area (3 to 5% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	279770 183500
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	279770 183500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
183	Contemporary Trade Directory Entries Name: B S Meat Location: Unit 9, Kenfig Industrial Estate, Margam, Port Talbot, West Glamorgan, SA13 2PE Classification: Meat - Wholesale Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	112	-	279697 183415
183	Contemporary Trade Directory Entries Name: Same Day 4 U Location: Kenfig Industrial Estate, Margam, Port Talbot, West Glamorgan, SA13 2PE Classification: Waste Disposal Services Status: Active Positional Accuracy: Manually positioned within the geographical locality	A13SW (SW)	113	-	279698 183414
183	Contemporary Trade Directory Entries Name: Vision Electronics Location: Unit 10, Kenfig Industrial Estate, Margam, Port Talbot, West Glamorgan, SA13 2PE Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	131	-	279686 183400
183	Contemporary Trade Directory Entries Name: Paintworx Sw Ltd Location: Unit 10, Kenfig Industrial Estate, Margam, Port Talbot, SA13 2PE Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	131	-	279687 183399
183	Contemporary Trade Directory Entries Name: Cariad Cool Water Ltd Location: Unit 11, Kenfig Industrial Estate, Margam, Port Talbot, SA13 2PE Classification: Water Coolers Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	149	-	279676 183385
184	Contemporary Trade Directory Entries Name: Clarity Digital Office Solutions Location: Unit 5, Kenfig Industrial Estate, Margam, Port Talbot, SA13 2PE Classification: Copying & Duplicating Machines & Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (S)	144	-	279772 183356
184	Contemporary Trade Directory Entries Name: Flock Tecnology Ltd Location: Unit 8, Kenfig Industrial Estate, Margam, Port Talbot, West Glamorgan, SA13 2PE Classification: Dyers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (S)	144	-	279774 183356
184	Contemporary Trade Directory Entries Name: Advantage Panel Products Location: Unit 8 Kenfig Ind Est, Margam, Port Talbot, West Glamorgan, SA13 2PE Classification: Furniture Manufacturers - Home & Office Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13SE (S)	144	-	279773 183356
185	Contemporary Trade Directory Entries Name: Van Stock Uk Ltd Location: Unit 20, Kenfig Industrial Estate, Margam, Port Talbot, SA13 2PE Classification: Scrap Metal Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	161	-	279635 183587
186	Contemporary Trade Directory Entries Name: Mosaic Location: Kenfig Ind Est, Margam, Port Talbot, West Glamorgan, SA13 2PE Classification: Tile Manufacturers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A13SW (S)	163	-	279741 183340
186	Contemporary Trade Directory Entries Name: Cooleasy Location: Unit 7 Kenfig Industrial Estate, Margam, Port Talbot, West Glamorgan, SA13 2PE Classification: Air Conditioning & Refrigeration Contractors Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13SW (S)	207	-	279732 183297

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
186	Contemporary Trade Directory Entries Name: I F T Trading Ltd Location: Unit 7, Kenfig Industrial Estate, Margam, Port Talbot, West Glamorgan, SA13 2PE Classification: Cosmetic Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	207	-	279732 183297
186	Contemporary Trade Directory Entries Name: Clean Plastic Mouldings Ltd Location: Unit 6, Kenfig Industrial Estate, Margam, Port Talbot, West Glamorgan, SA13 2PE Classification: Plastics - Injection Moulding Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (S)	207	-	279732 183297
186	Contemporary Trade Directory Entries Name: A Clark & Co Ltd Location: Unit 7, Kenfig Industrial Estate, Margam, Port Talbot, West Glamorgan, SA13 2PE Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	207	-	279732 183297
186	Contemporary Trade Directory Entries Name: Caring Industries Ltd Location: Unit 7, Kenfig Ind Est, Margam, Port Talbot, West Glamorgan, SA13 2PE Classification: Cosmetic Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13SW (S)	208	-	279732 183296
187	Contemporary Trade Directory Entries Name: Papwood Ltd Location: Unit 15, Kenfig Industrial Estate, Margam, Port Talbot, West Glamorgan, SA13 2PE Classification: Furniture Manufacturers - Home & Office Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	169	-	279620 183423
187	Contemporary Trade Directory Entries Name: Filtration & Separation Ltd Location: Unit 15, Kenfig Industrial Estate, Margam, PORT TALBOT, West Glamorgan, SA13 2PE Classification: Filter Manufacturers & Suppliers Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	169	-	279620 183423
187	Contemporary Trade Directory Entries Name: A & S Commercial Repair Location: Unit 49, Kenfig Industrial Estate, Margam, Port Talbot, West Glamorgan, SA13 2PE Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	185	-	279610 183409
187	Contemporary Trade Directory Entries Name: Linkway Transport Services Location: Unit 16, Kenfig Industrial Estate, Margam, Port Talbot, West Glamorgan, SA13 2PE Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	185	-	279610 183409
187	Contemporary Trade Directory Entries Name: Preferred Packaging Solutions Location: Unit 16, Kenfig Industrial Estate, Margam, Port Talbot, West Glamorgan, SA13 2PE Classification: Packaging Materials Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	185	-	279610 183409
188	Contemporary Trade Directory Entries Name: Cooleasy Location: Unit 7 Southwales Distribution Centre, Kenfig Industrial Estate, Margam, Port Talbot, West Glamorgan, SA13 2PE Classification: Heating Equipment - Sales & Service Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (E)	179	-	279943 183545

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
188	Contemporary Trade Directory Entries Name: Borg Warner Location: Kenfig Industrial Estate, Margam, Port Talbot, West Glamorgan, SA13 2PG Classification: Car Component Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	186	-	279953 183525
188	Contemporary Trade Directory Entries Name: Quintek Distribution Ltd Location: Unit 2B, Kenfig Industrial Estate, Margam, Port Talbot, West Glamorgan, SA13 2PE Classification: Electrical Appliance Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	186	-	279953 183525
188	Contemporary Trade Directory Entries Name: Berkeley Logistics Location: Unit 2a, Kenfig Industrial Estate, Margam, PORT TALBOT, West Glamorgan, SA13 2PE Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	186	-	279953 183525
188	Contemporary Trade Directory Entries Name: Borgwarner Location: Kenfig Industrial Estate, Margam, Port Talbot, West Glamorgan, SA13 2PG Classification: Car Component Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	186	-	279953 183525
189	Contemporary Trade Directory Entries Name: Celtic Chemicals Location: Unit 25, Kenfig Industrial Estate, Margam, Port Talbot, West Glamorgan, SA13 2PE Classification: Chemical Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (W)	206	-	279565 183507
189	Contemporary Trade Directory Entries Name: Abbeywood Joinery Ltd Location: Unit 25, Kenfig Industrial Estate, Margam, Port Talbot, West Glamorgan, SA13 2PE Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (W)	206	-	279565 183507
189	Contemporary Trade Directory Entries Name: A & B Transport Location: Units 25-27 Kenfig Indust Est, Margam, Port Talbot, West Glamorgan, SA13 2PE Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13NW (W)	207	-	279564 183507
189	Contemporary Trade Directory Entries Name: K & A Finishing Co Ltd Location: Unit 26,27,Kenfig Ind Est, Margam, Port Talbot, West Glamorgan, SA13 2PE Classification: Plastics - Coating Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13NW (W)	216	-	279555 183516
190	Contemporary Trade Directory Entries Name: R P C Tedeco Gizeh Uk Ltd Location: Unit 35, Kenfig Industrial Estate, Margam, Port Talbot, West Glamorgan, SA13 2PE Classification: Plastic Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	215	-	279650 183678
191	Contemporary Trade Directory Entries Name: The Caravan Warehouse Location: Unit 21, Kenfig Industrial Estate, Margam, Port Talbot, West Glamorgan, SA13 2PE Classification: Caravan Dealers & Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	229	-	279580 183627

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
191	Contemporary Trade Directory Entries Name: G & S Deliveries Ltd Location: Unit 21, Kenfig Industrial Estate, Margam, Port Talbot, West Glamorgan, SA13 2PE Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	229	-	279580 183627
191	Contemporary Trade Directory Entries Name: L & M Lorryworx Ltd Location: Unit 22, Kenfig Industrial Estate, Margam, Port Talbot, West Glamorgan, SA13 2PE Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	230	-	279572 183617
191	Contemporary Trade Directory Entries Name: Pavcost Manufacturing Location: Unit 23, Kenfig Industrial Estate, Margam, Port Talbot, West Glamorgan, SA13 2PE Classification: Electronic Equipment - Manufacturers & Assemblers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	232	-	279564 183607
192	Contemporary Trade Directory Entries Name: Solo Laundry Services Location: Unit 4, Kenfig Industrial Estate Road, Margam, SA13 2PE Classification: Laundries & Launderettes Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	259	-	279870 183261
193	Contemporary Trade Directory Entries Name: A&S Commercial Repairs Ltd Location: Unit 29a, Kenfig Industrial Estate, Margam, Port Talbot, West Glamorgan, SA13 2PE Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A13NW (NW)	280	-	279513 183610
193	Contemporary Trade Directory Entries Name: R Tech Materials Location: Testing House Unit 29, Kenfig Industrial Estate, Margam, Port Talbot, SA13 2PE Classification: Engineering Services Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (NW)	309	-	279505 183658
194	Contemporary Trade Directory Entries Name: Total Recycling Uk Ltd Location: Unit 13, Kenfig Ind Est, Margam, Port Talbot, West Glamorgan, SA13 2PE Classification: Reclaiming - Waste Products Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A13SE (SE)	332	-	280049 183320
195	Contemporary Trade Directory Entries Name: The Chocolate Factory Location: Unit 3, Kenfig Industrial Estate, Margam, Port Talbot, West Glamorgan, SA13 2PE Classification: Confectionery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	438	-	280027 183146
195	Contemporary Trade Directory Entries Name: Orion Electric (Uk) Ltd Location: Unit 3, Kenfig Industrial Estate, Margam, Port Talbot, West Glamorgan, SA13 2PE Classification: Television & Video Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	438	-	280027 183146
195	Contemporary Trade Directory Entries Name: First Gb Logistics Location: Unit 3, Kenfig Industrial Estate, Margam, Port Talbot, SA13 2PE Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	438	-	280027 183146
196	Points of Interest - Commercial Services Name: Paintworx Sw Ltd Location: Unit 10, Kenfig Industrial Estate, Margam, Port Talbot, SA13 2PE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SW (SW)	131	8	279687 183399

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
197	Points of Interest - Commercial Services Name: R E C Ltd Location: Unit 19, Kenfig Industrial Estate, Margam, Port Talbot, SA13 2PE Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A13NW (NW)	164	8	279627 183579
197	Points of Interest - Commercial Services Name: R E C Location: Unit 19, Kenfig Industrial Estate, Margam, Port Talbot, SA13 2PE Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A13NW (NW)	164	8	279627 183579
197	Points of Interest - Commercial Services Name: G & S Deliveries Ltd Location: Unit 21, Kenfig Industrial Estate, Margam, Port Talbot, SA13 2PE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13NW (NW)	229	8	279580 183627
197	Points of Interest - Commercial Services Name: G & S Deliveries Ltd Location: Unit 21, Kenfig Industrial Estate, Margam, Port Talbot, SA13 2PE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13NW (NW)	229	8	279580 183627
198	Points of Interest - Commercial Services Name: Berkeley Logistics Location: Unit 2a, Kenfig Industrial Estate, Margam, Port Talbot, SA13 2PE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13NE (E)	186	8	279953 183525
198	Points of Interest - Commercial Services Name: Robinson Recycling Location: Unit 2a, Kenfig Industrial Estate, Margam, Port Talbot, SA13 2PE Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A13NE (E)	186	8	279953 183525
199	Points of Interest - Commercial Services Name: A Clarke & Co Ltd Location: Unit 6, Kenfig Ind Est, Margam, Port Talbot, West Glamorgan, SA13 2PE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13SW (S)	208	8	279732 183296
200	Points of Interest - Commercial Services Name: A & S Commercial Repair Location: Unit 49, Kenfig Industrial Estate, Margam, Port Talbot, SA13 2PE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (NW)	320	8	279563 183743
201	Points of Interest - Manufacturing and Production Name: Tanks Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (E)	51	8	279817 183519
201	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (E)	61	8	279829 183513
201	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A13NE (E)	85	8	279850 183528
201	Points of Interest - Manufacturing and Production Name: Tanks Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	85	8	279839 183548

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
201	Points of Interest - Manufacturing and Production Name: Tanks Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (E)	99	8	279866 183521
202	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	226	8	279673 183703
203	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SE (S)	286	8	279864 183230
204	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	339	8	280048 183694
204	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	366	8	280091 183674
205	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	373	8	280107 183340
205	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	392	8	280092 183277
205	Points of Interest - Manufacturing and Production Name: Kenfig Industrial Estate Location: SA13 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	431	8	280164 183327
206	Points of Interest - Manufacturing and Production Name: Tanks Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	413	8	280077 183224
207	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8NE (SE)	473	8	280005 183090
208	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	590	8	279292 183845
208	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12NE (NW)	606	8	279223 183759

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
208	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12NE (NW)	618	8	279248 183829
209	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	730	8	279142 183872
210	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	821	8	278993 183763
211	Points of Interest - Manufacturing and Production Name: A S Radcliffe Location: Kenfig House, Water Street, Margam, Port Talbot, SA13 2PB Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A19NW (NE)	913	8	280331 184220
211	Points of Interest - Manufacturing and Production Name: T Radcliffe & Sons Location: Kenfig House, Water Street, Margam, Port Talbot, SA13 2PB Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A19NW (NE)	913	8	280331 184220
212	Points of Interest - Manufacturing and Production Name: Tank Location: SA13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	916	8	279034 184044
213	Points of Interest - Public Infrastructure Name: Robinson Recycling Ltd Location: Unit 20, Kenfig Industrial Estate, Margam, Port Talbot, SA13 2PE Category: Infrastructure and Facilities Class Code: Recycling Centres Positional Accuracy: Positioned to address or location	A13NW (NW)	164	8	279634 183590
214	Points of Interest - Public Infrastructure Name: Sluice Location: SA13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	350	8	279522 183254
214	Points of Interest - Public Infrastructure Name: Sluice Location: SA13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	355	8	279512 183257
215	Points of Interest - Public Infrastructure Name: Sluice Location: SA13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	435	8	279571 183114
215	Points of Interest - Public Infrastructure Name: Sluice Location: SA13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	443	8	279559 183111
216	Points of Interest - Public Infrastructure Name: Sluice Location: SA13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	525	8	279466 183073

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
216	Points of Interest - Public Infrastructure Name: Sluice Location: SA13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	530	8	279470 183064

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
217	Ancient Woodland Name: Not Supplied Reference: 15615 Area(m ²): 6135.49 Type: Ancient and Semi-Natural Woodland	A13SW (W)	311	2	279460 183499
218	Ancient Woodland Name: Not Supplied Reference: 15617 Area(m ²): 2836.75 Type: Ancient and Semi-Natural Woodland	A17SE (NW)	743	2	279124 183867
219	Local Nature Reserves Name: Kenfig Pool And Dunes Multiple Area: N Area (m2): 6288865.41 Source: Bridgend County Borough Council Designation Date: 31st December 1978	A8NW (SW)	505	6	279506 183070
220	National Nature Reserves Name: Kenfig Pool And Dunes Multiple Areas: N Total Area (m2): 5137333.89 Source: Natural Resources Wales Reference: 46 Designation Date: 23rd May 1989	A8NW (SW)	504	2	279503 183073
221	Sites of Special Scientific Interest Name: Cynffig/Kenfig Multiple Areas: Y Total Area (m2): 7766899.96 Source: Natural Resources Wales Reference: 30833wad Designation Details: Biological Designation Date: 1st January 1953 Date Type: Notified	A8NW (SW)	505	2	279506 183070
222	Sites of Special Scientific Interest Name: Eglwys Nunydd Reservoir Multiple Areas: N Total Area (m2): 1033974.87 Source: Natural Resources Wales Reference: 33133wxy Designation Details: Not Supplied Designation Date: Not Supplied Date Type: Not Supplied	A18SE (N)	551	2	279831 184047
223	Sites of Special Scientific Interest Name: Margam Moors Multiple Areas: N Total Area (m2): 1095296.93 Source: Natural Resources Wales Reference: 58433war Designation Details: Biological Designation Date: 11th February 1985 Date Type: Notified	A17SW (NW)	919	2	278993 183990
224	Special Areas of Conservation Name: Kenfig / Cynffig Multiple Areas: Y Total Area (m2): 11908981.67 Source: Natural Resources Wales Reference: Uk0012566 Status: Designated	A8NW (SW)	505	2	279506 183070

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Bridgend County Borough Council - Environmental Health Department Natural Resources Wales Neath Port Talbot County Borough Council - Environmental Health Department	January 2020 June 2020 October 2017	Annual Rolling Update Annually Annual Rolling Update
Discharge Consents Environment Agency - Welsh Region Natural Resources Wales	August 2014 October 2021	Quarterly Quarterly
Enforcement and Prohibition Notices Environment Agency - Welsh Region	March 2013	
Integrated Pollution Controls Environment Agency - Welsh Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - Welsh Region Natural Resources Wales	January 2021 October 2021	Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Bridgend County Borough Council - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	July 2015 March 2014	Variable Variable
Local Authority Pollution Prevention and Controls Bridgend County Borough Council - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	July 2015 March 2014	Not Applicable Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Bridgend County Borough Council - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department	July 2015 March 2015	Variable Variable
Nearest Surface Water Feature Ordnance Survey	August 2021	
Pollution Incidents to Controlled Waters Environment Agency - Welsh Region	December 1998	
Prosecutions Relating to Authorised Processes Environment Agency - Welsh Region Natural Resources Wales	July 2015 July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013	
Registered Radioactive Substances Natural Resources Wales Environment Agency - Welsh Region	January 2015 June 2016	Annually Annually
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	April 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	Annually
Substantiated Pollution Incident Register Environment Agency Wales - South West Area Natural Resources Wales	January 2021 October 2021	Quarterly Quarterly
Water Abstractions Natural Resources Wales Environment Agency - Welsh Region	November 2021 October 2021	Quarterly Quarterly
Water Industry Act Referrals Environment Agency - Welsh Region Natural Resources Wales	October 2017 October 2021	Quarterly Quarterly

Agency & Hydrological	Version	Update Cycle
Groundwater Vulnerability Map Natural Resources Wales	June 2018	As notified
Bedrock Aquifer Designations Natural Resources Wales	January 2018	Annually
Superficial Aquifer Designations Natural Resources Wales	January 2018	Annually
Source Protection Zones Natural Resources Wales	July 2017	Annual Rolling Update
Extreme Flooding from Rivers or Sea without Defences Natural Resources Wales	September 2020	Quarterly
Flooding from Rivers or Sea without Defences Natural Resources Wales	September 2020	Quarterly
Areas Benefiting from Flood Defences Natural Resources Wales	November 2019	Quarterly
Flood Water Storage Areas Natural Resources Wales	August 2019	Quarterly
Flood Defences Natural Resources Wales	November 2019	Quarterly
OS Water Network Lines Ordnance Survey	July 2021	Quarterly
Surface Water 1 in 30 year Flood Extent Natural Resources Wales	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Natural Resources Wales	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Natural Resources Wales	May 2018	Annually
Surface Water Suitability Natural Resources Wales	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	Not Applicable
Historical Landfill Sites Natural Resources Wales	July 2019	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Welsh Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency Wales - South West Area Natural Resources Wales	October 2021 October 2021	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Natural Resources Wales Environment Agency Wales - South West Area	April 2021 July 2021	Quarterly Quarterly
Local Authority Landfill Coverage Bridgend County Borough Council Neath Port Talbot County Borough Council - Environmental Health Department	February 2003 February 2003	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Bridgend County Borough Council Neath Port Talbot County Borough Council - Environmental Health Department	October 2018 October 2018	
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	
Registered Landfill Sites Environment Agency Wales - South West Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency Wales - South West Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency Wales - South West Area	June 2015	
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Bridgend County Borough Council - Planning Department Neath Port Talbot County Borough Council - Planning Department	February 2016 October 2015	Variable Variable
Planning Hazardous Substance Consents Bridgend County Borough Council - Planning Department Neath Port Talbot County Borough Council - Planning Department	February 2016 October 2015	Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2021	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	October 2021	Quarterly
Fuel Station Entries Catalist Ltd - Experian	November 2021	Quarterly
Gas Pipelines National Grid	October 2021	Annually
Points of Interest - Commercial Services PointX	December 2021	Quarterly
Points of Interest - Education and Health PointX	December 2021	Quarterly
Points of Interest - Manufacturing and Production PointX	December 2021	Quarterly
Points of Interest - Public Infrastructure PointX	December 2021	Quarterly
Points of Interest - Recreational and Environmental PointX	December 2021	Quarterly
Underground Electrical Cables National Grid	May 2021	Annually

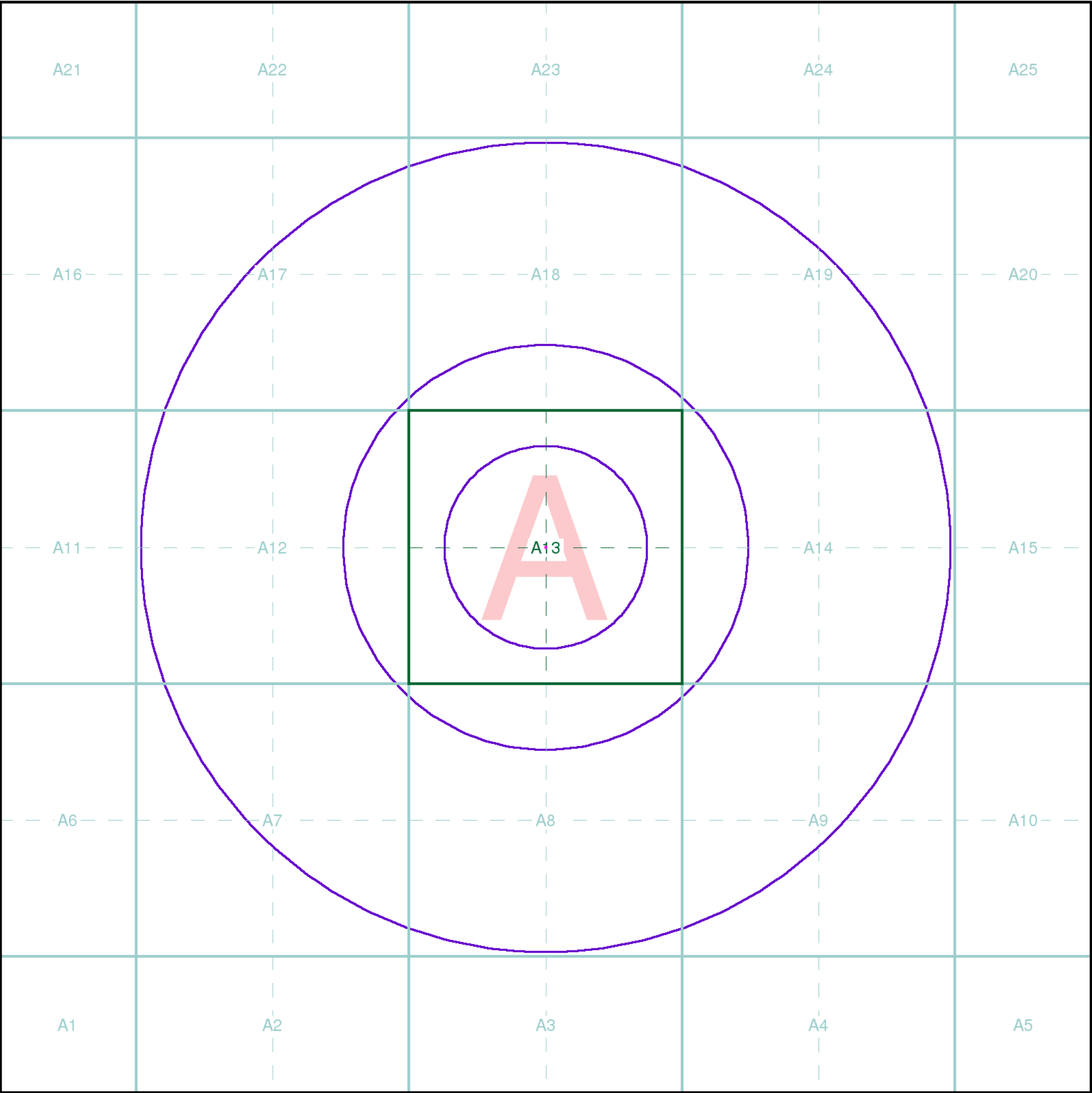
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural Resources Wales	September 2018	Bi-Annually
Areas of Adopted Green Belt Bridgend County Borough Council Neath Port Talbot County Borough Council - Planning Services	October 2020 October 2020	Quarterly Quarterly
Areas of Unadopted Green Belt Bridgend County Borough Council Neath Port Talbot County Borough Council - Planning Services	October 2020 October 2020	Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural Resources Wales	June 2019	Bi-Annually
Environmentally Sensitive Areas The National Assembly for Wales - GI Services (Department of Planning & Countryside)	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Bridgend County Borough Council Neath Port Talbot County Borough Council	August 2018 August 2018	Bi-Annually Bi-Annually
Marine Nature Reserves Natural Resources Wales	August 2018	Bi-Annually
National Nature Reserves Natural Resources Wales	July 2019	Bi-Annually
National Parks Natural Resources Wales	February 2018	Annually
Nitrate Vulnerable Zones The National Assembly for Wales - GI Services (Department of Planning & Countryside) Natural Resources Wales	April 2016 July 2019	Bi-Annually
Ramsar Sites Natural Resources Wales	July 2019	Bi-Annually
Sites of Special Scientific Interest Natural Resources Wales	March 2020	Bi-Annually
Special Areas of Conservation Natural Resources Wales	August 2020	Bi-Annually
Special Protection Areas Natural Resources Wales	August 2018	Bi-Annually

A selection of organisations who provide data within this report

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

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Natural Resources Wales Ty Cambria, 29 Newport Road, Cardiff, CF24 0TP	Telephone: 0300 065 3000 Email: enquiries@naturalresourceswales.gov.uk
3	Neath Port Talbot County Borough Council - Environmental Health Department Room 322, Neath Civic Centre, Neath, West Glamorgan, SA11 3QZ	Telephone: 01639 763333 Fax: 01693 763444 Website: www.neath-porttalbot.gov.uk
4	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	Bridgend County Borough Council PO Box 4, Civic Offices, Angel Street, Bridgend, Mid Glamorgan, CF31 1LX	Telephone: 01656 643643 Fax: 01656 668126 Website: www.bridgend.gov.uk
7	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
8	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



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Index Map

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

Slice

Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

Segment

A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

Quadrant

A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

Ms R Liley, Terra Firma (Wales) Ltd, 5 Deryn Court, Wharfdale Road, Pentwyn, Cardiff, CF23 7HB

Order Details

Order Number: 288727065_1_1
Customer Ref: 16976
National Grid Reference: 279770, 183500
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

Site at 279770, 183500

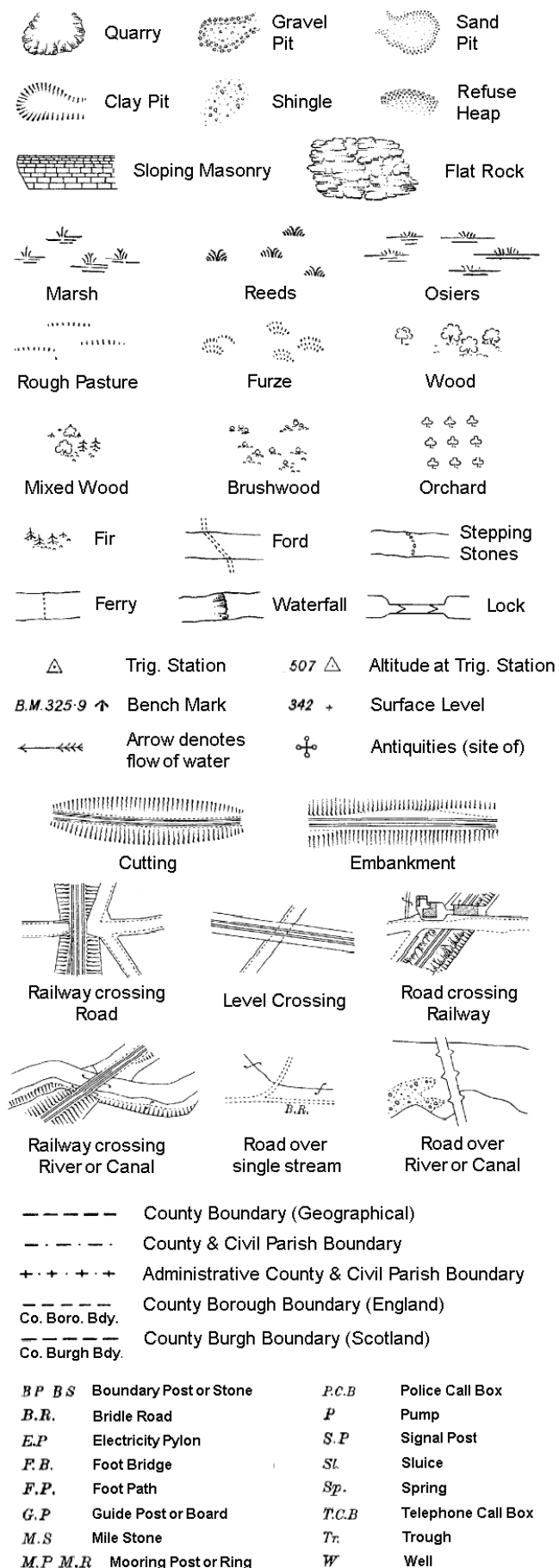
Full Terms and Conditions can be found on the following link:
<http://www.landmarkinfo.co.uk/Terms/Show/515>



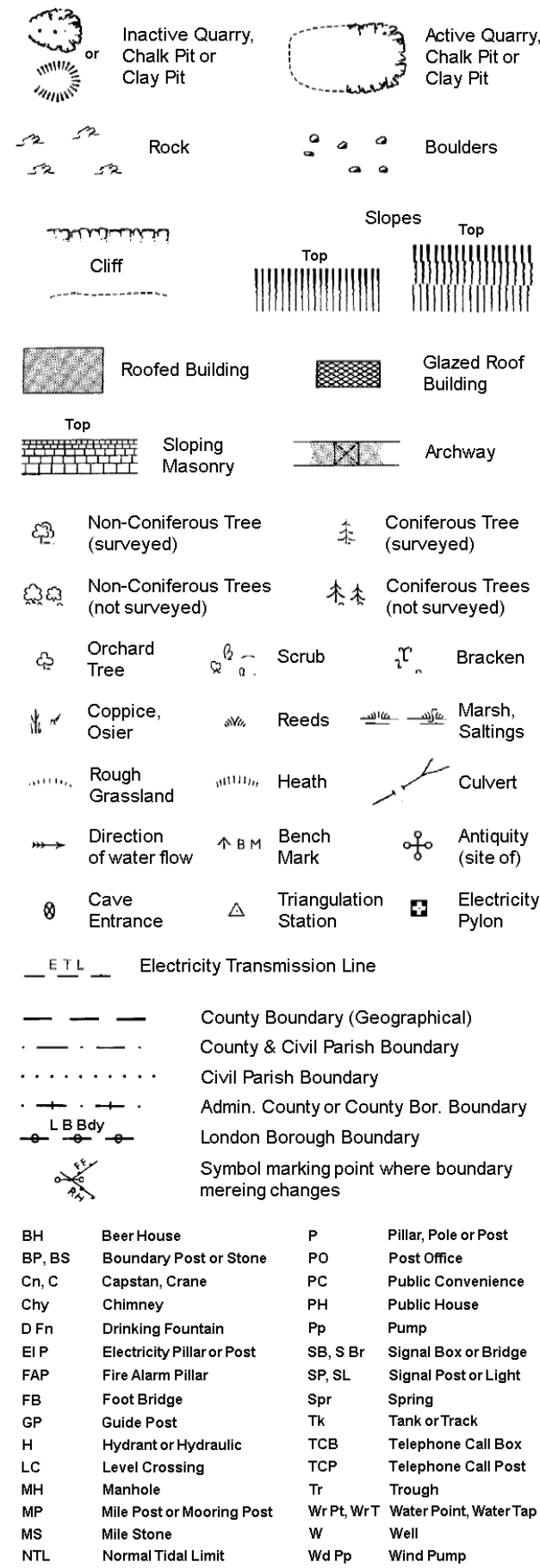
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Historical Mapping Legends

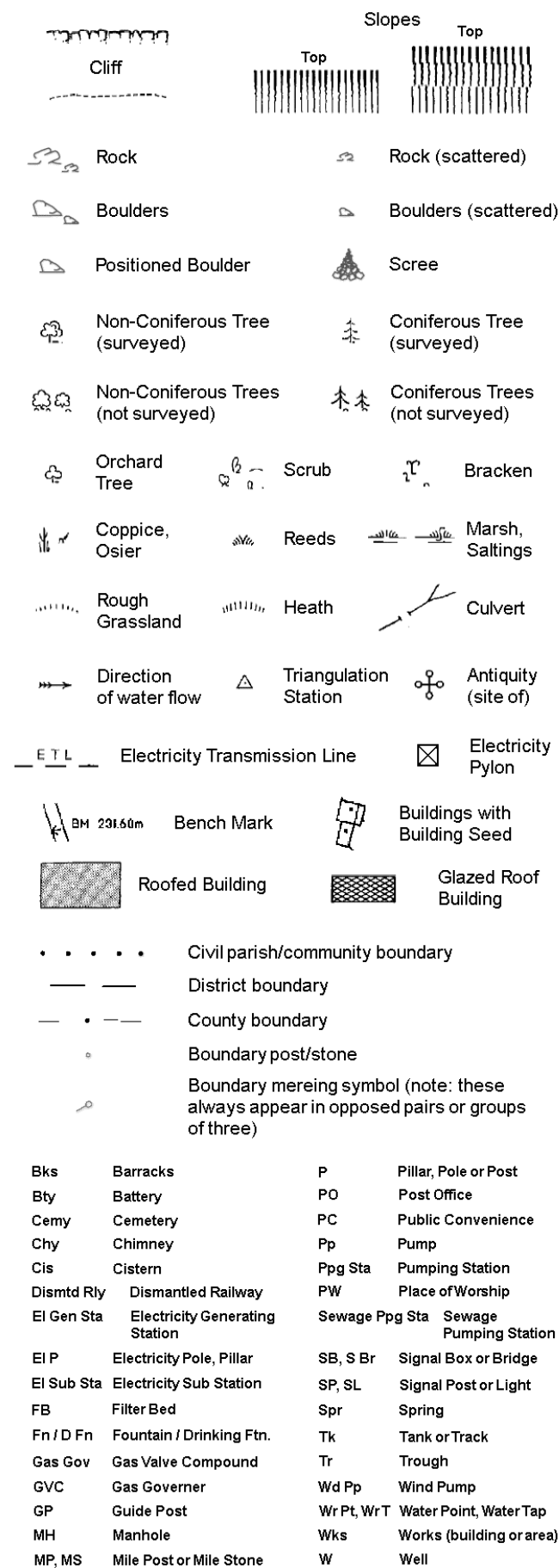
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



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

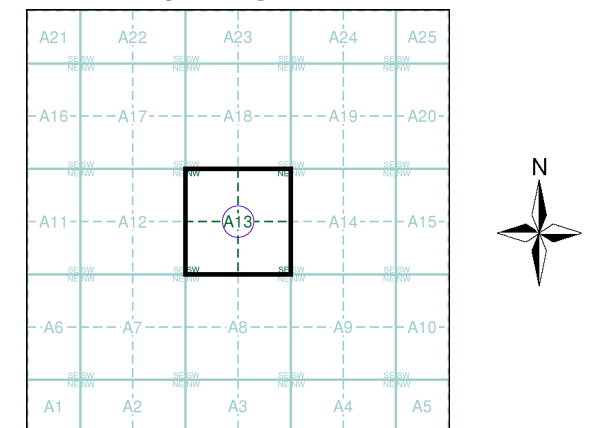


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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:2,500	1876	2
Glamorganshire	1:2,500	1899	3
Glamorganshire	1:2,500	1918	4
Glamorganshire	1:2,500	1941	5
Ordnance Survey Plan	1:2,500	1962	6
Additional SIMs	1:2,500	1972 - 1983	7
Ordnance Survey Plan	1:2,500	1973 - 1981	8
Ordnance Survey Plan	1:2,500	1984	9
Additional SIMs	1:2,500	1990	10
Large-Scale National Grid Data	1:2,500	1992 - 1993	11
Historical Aerial Photography	1:2,500	2000	12

Historical Map - Segment A13



Order Details

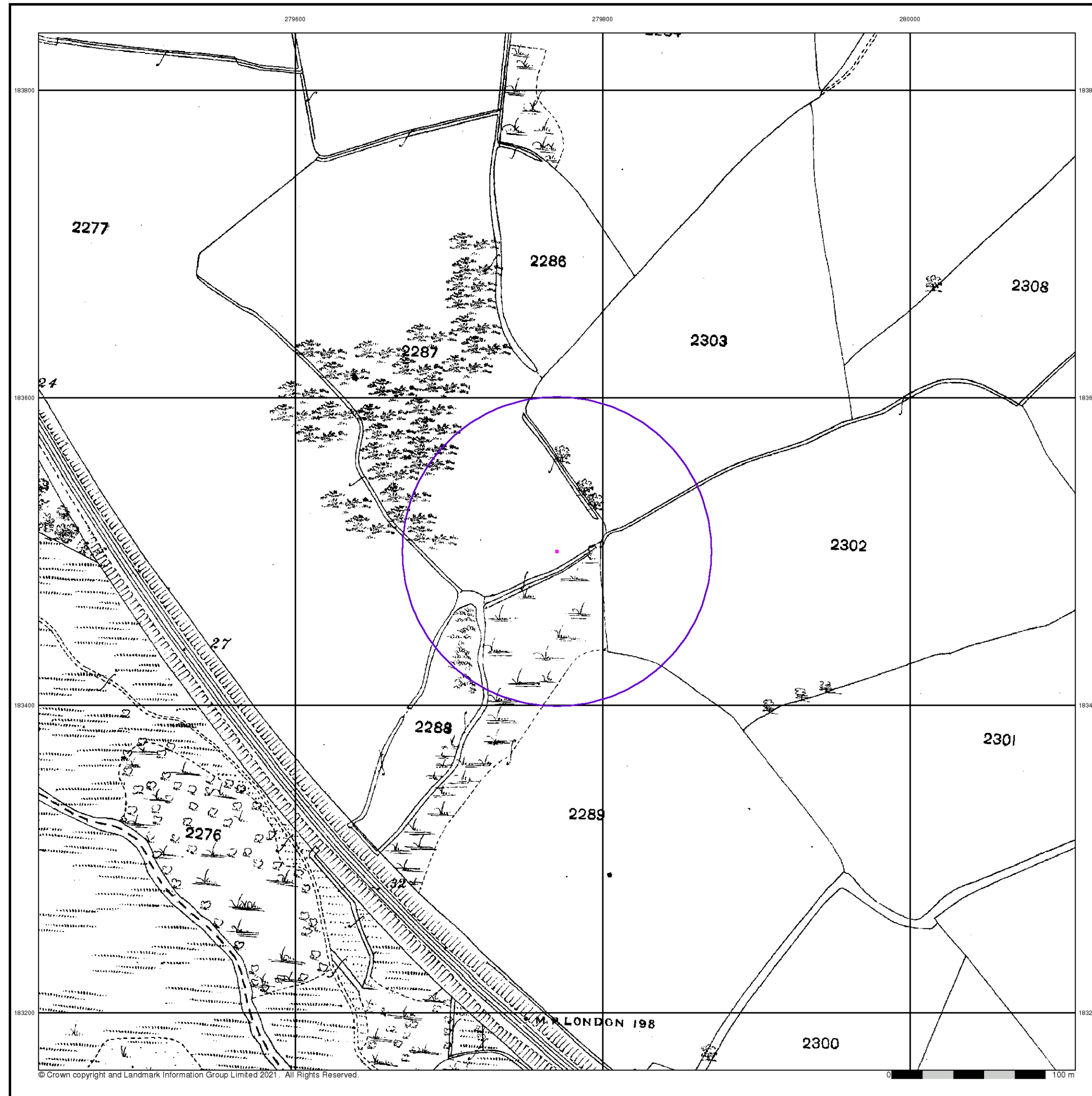
Order Number: 288727065_1_1
Customer Ref: 16976
National Grid Reference: 279770, 183500
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 100

Site Details

Site at 279770, 183500



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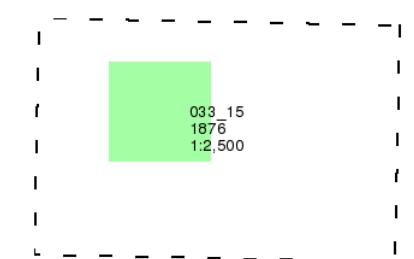
Glamorganshire

Published 1876

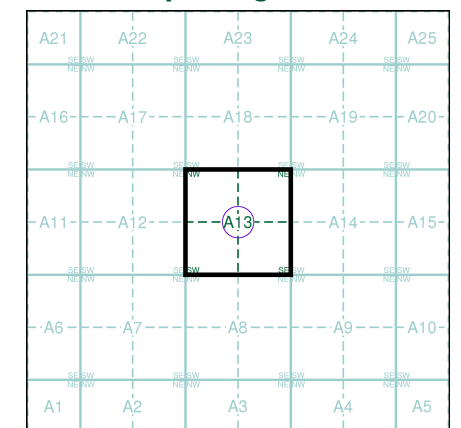
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

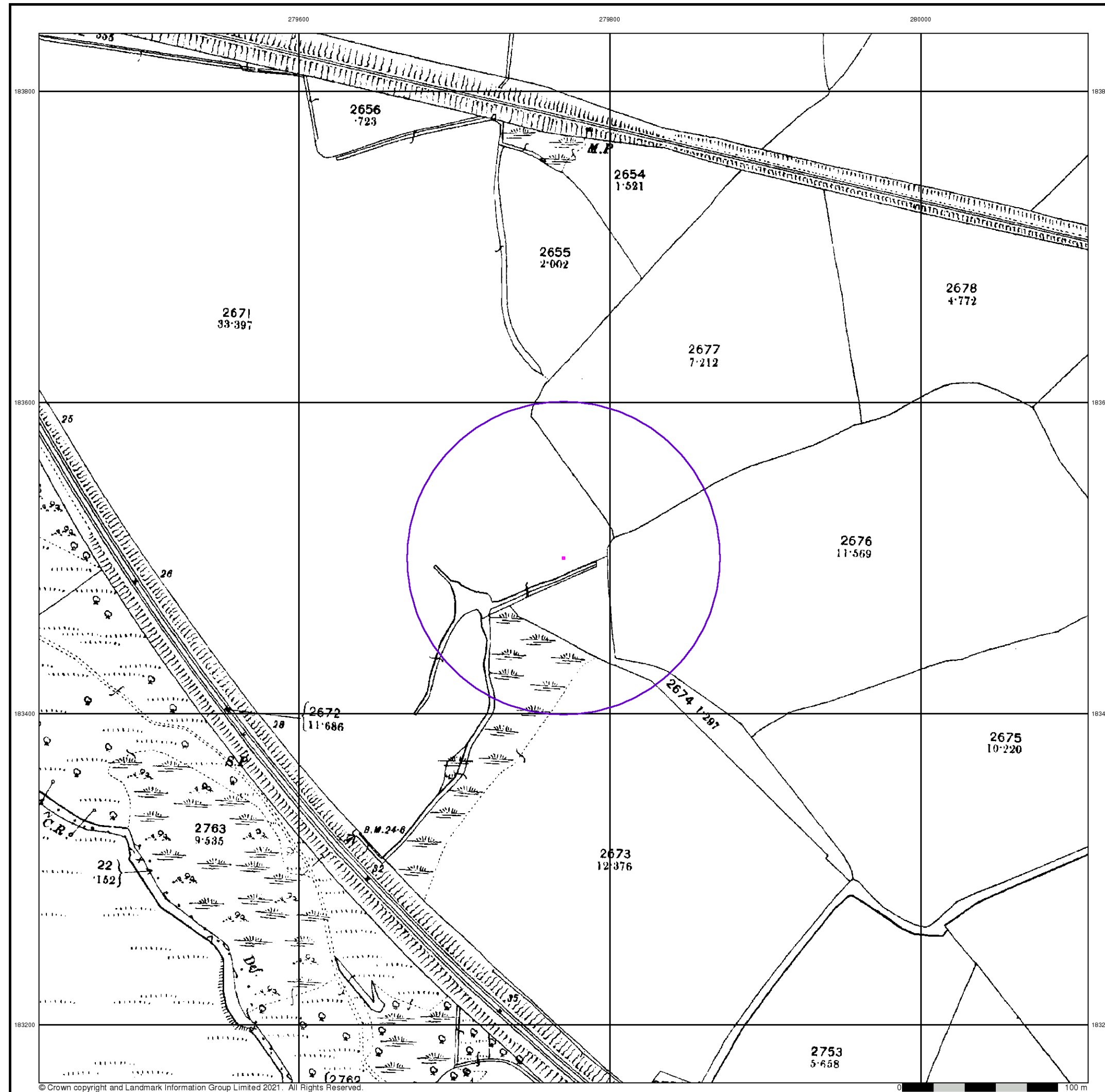
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Customer Ref: 16976
National Grid Reference: 279770, 183500
Slice: A
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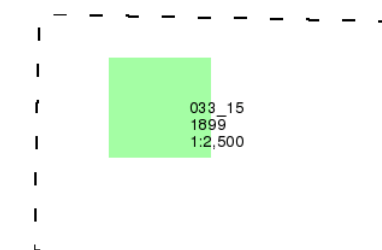
Glamorganshire

Published 1899

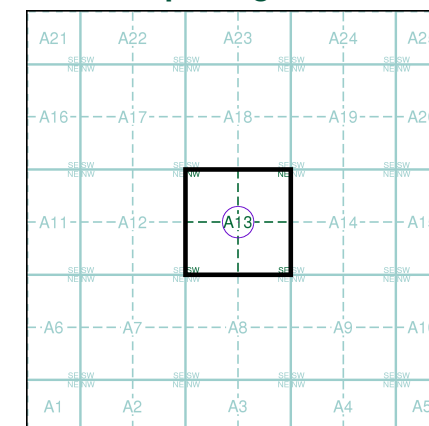
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

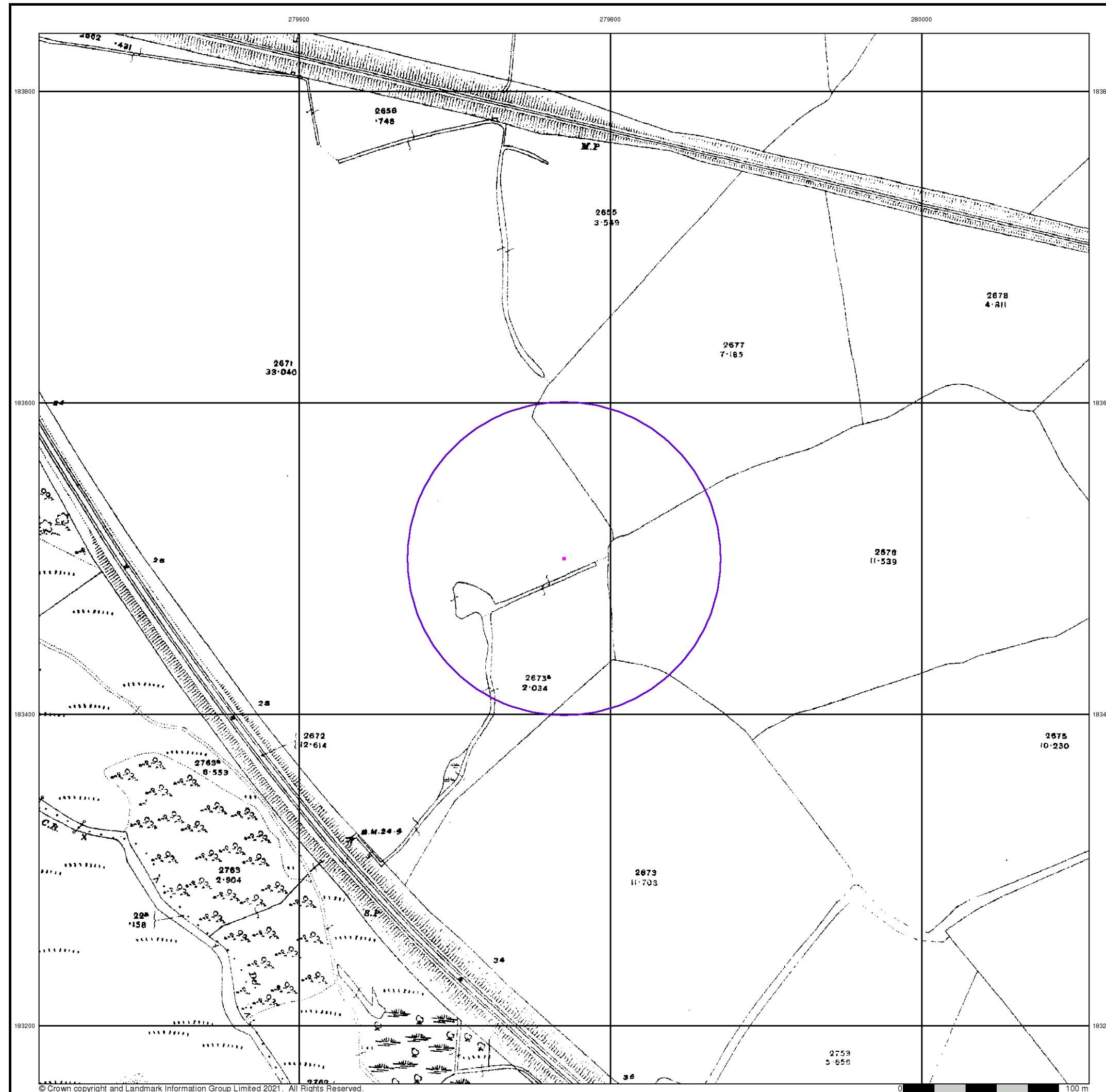
Order Number: 288727065_1_1
Customer Ref: 16976
National Grid Reference: 279770, 183500
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 100

Site Details

Site at 279770, 183500



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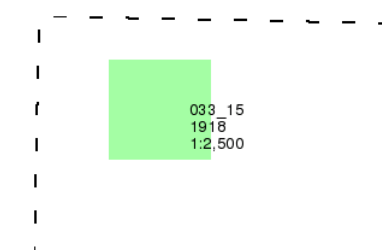
Glamorganshire

Published 1918

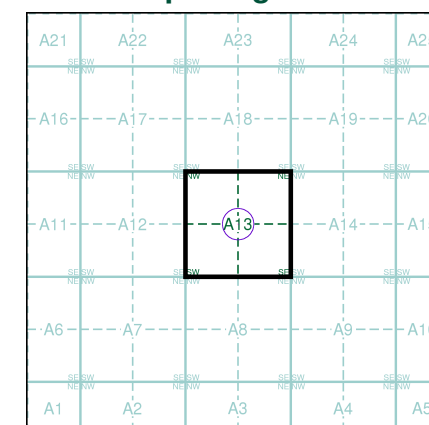
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

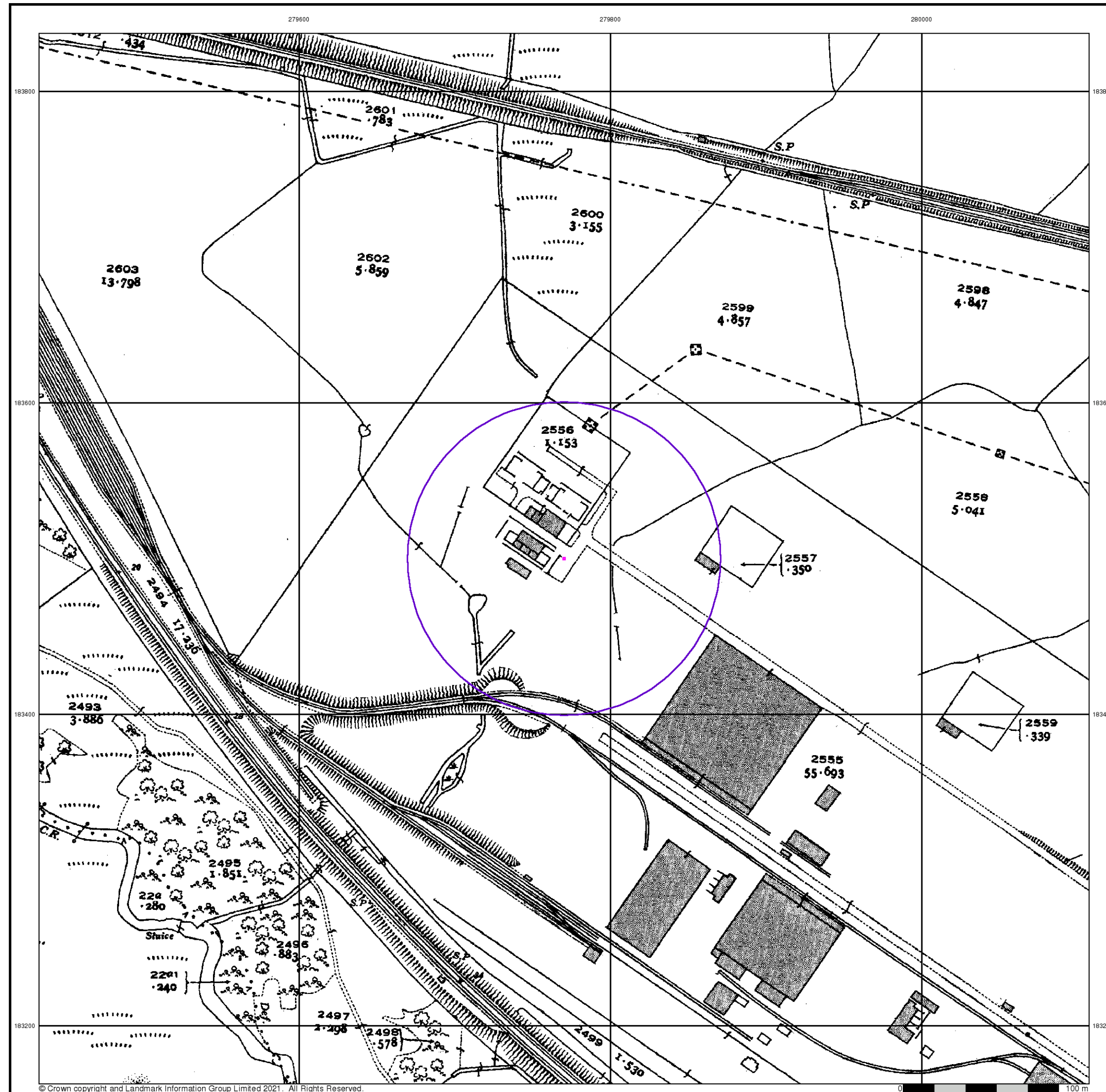
Order Number: 288727065_1_1
Customer Ref: 16976
National Grid Reference: 279770, 183500
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 100

Site Details

Site at 279770, 183500

Landmark
INFORMATION GROUP

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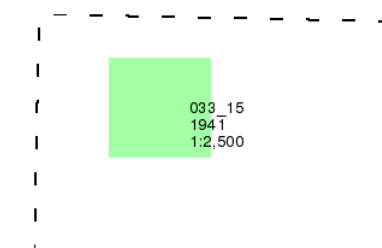
Glamorganshire

Published 1941

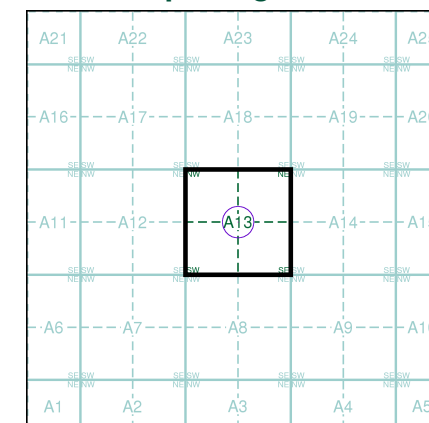
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 288727065_1_1
Customer Ref: 16976
National Grid Reference: 279770, 183500
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 100

Site Details

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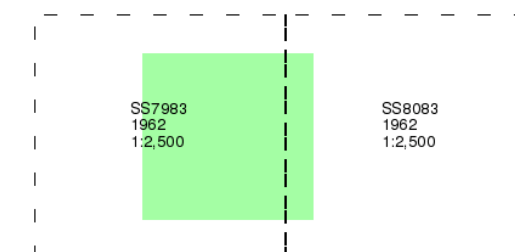
Ordnance Survey Plan

Published 1962

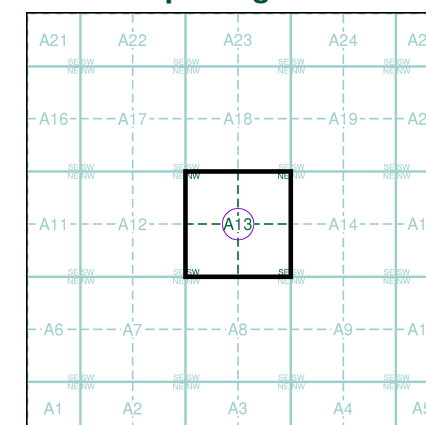
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

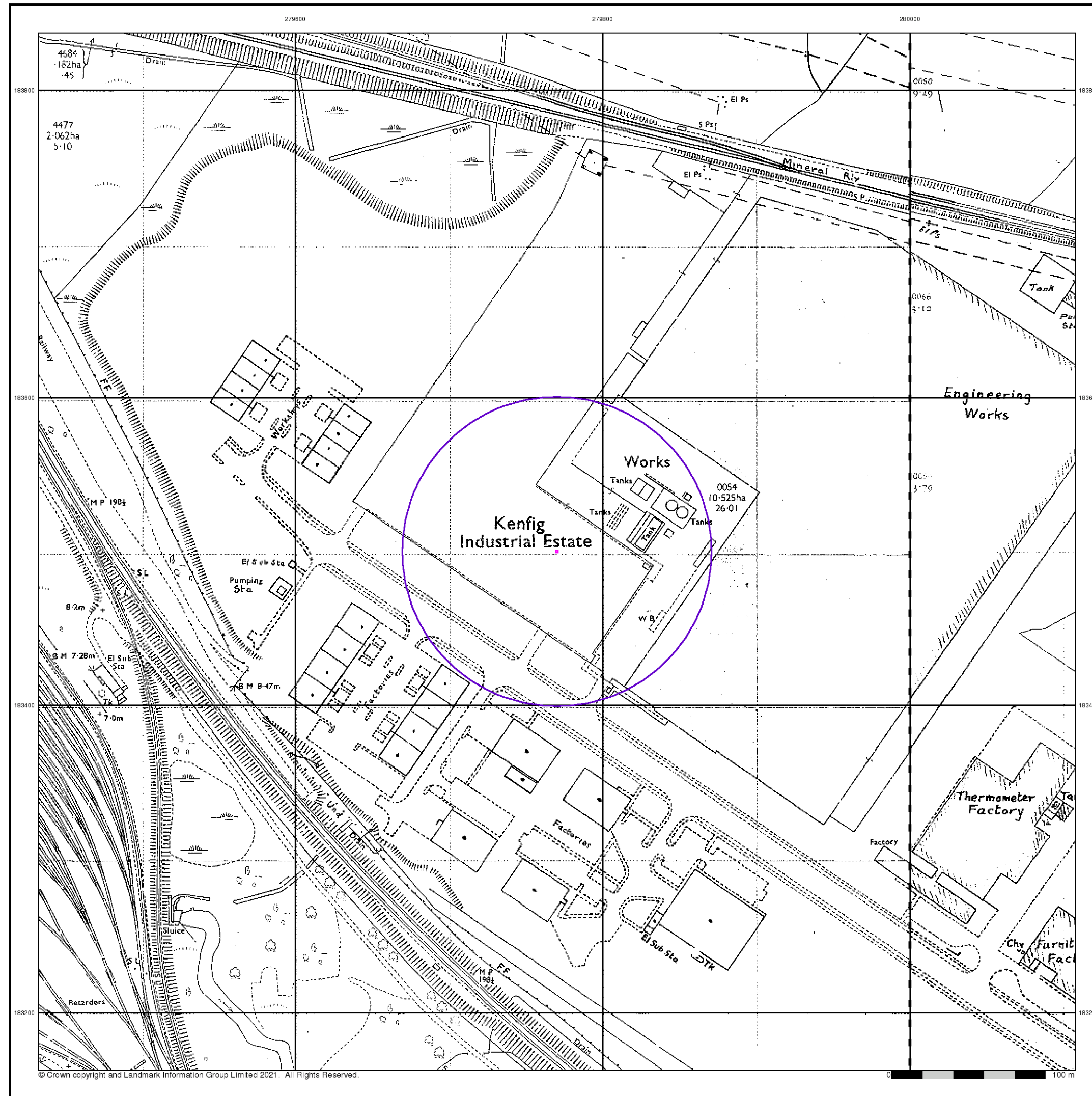
Order Number: 288727065_1_1
Customer Ref: 16976
National Grid Reference: 279770, 183500
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 100

Site Details

Site at 279770, 183500

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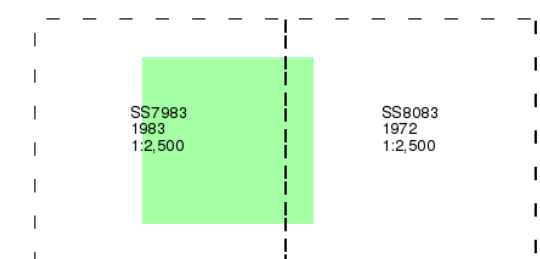
Additional SIMs

Published 1972 - 1983

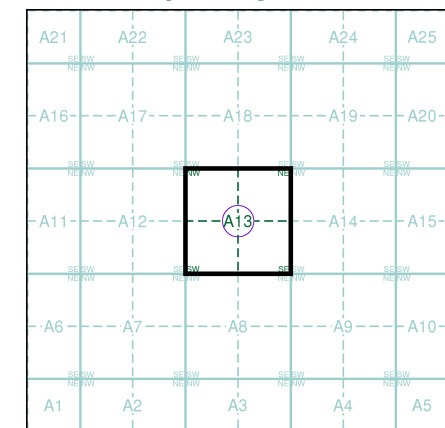
Source map scale - 1:2,500

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

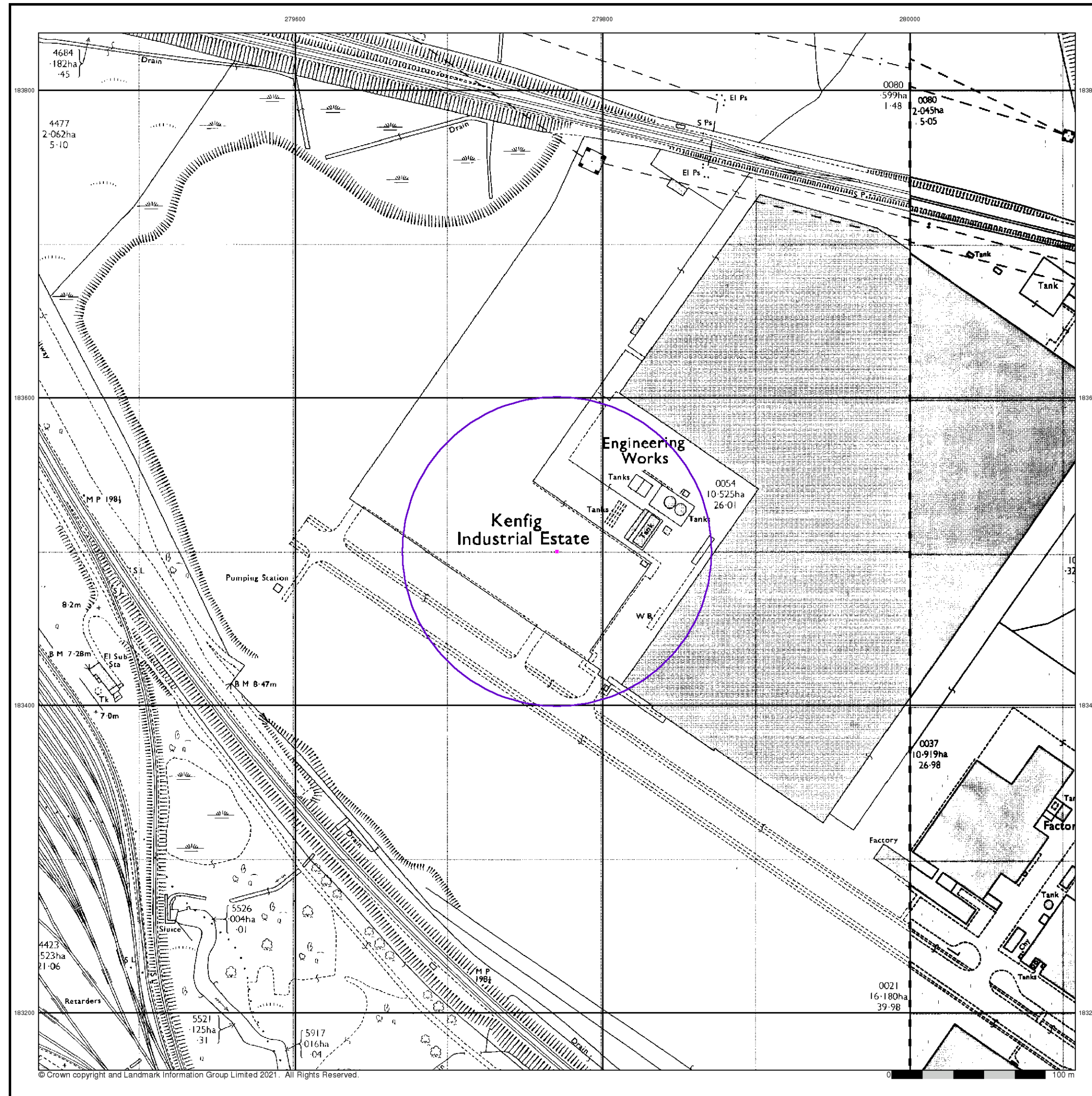
Order Number: 288727065_1_1
Customer Ref: 16976
National Grid Reference: 279770, 183500
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 100

Site Details

Site at 279770, 183500



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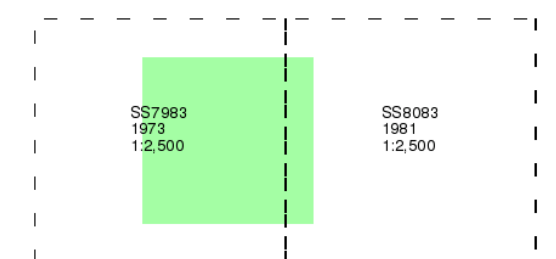
Ordnance Survey Plan

Published 1973 - 1981

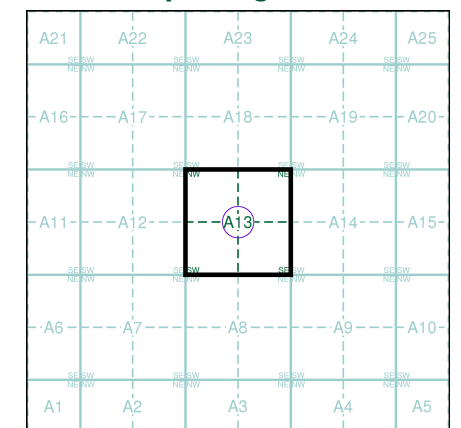
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

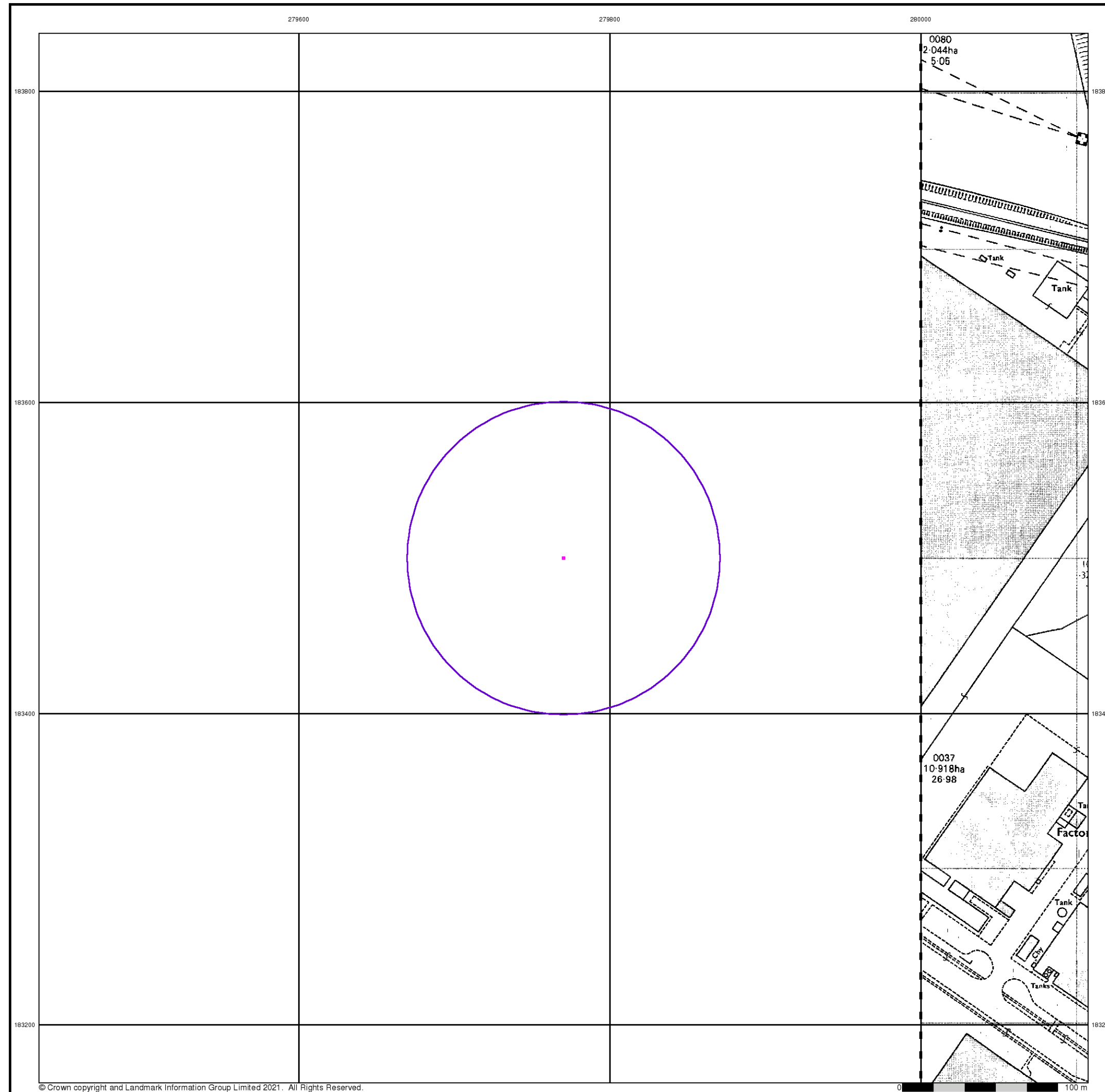
Order Number: 288727065_1_1
Customer Ref: 16976
National Grid Reference: 279770, 183500
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 100

Site Details

Site at 279770, 183500



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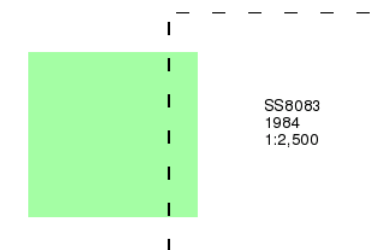
Ordnance Survey Plan

Published 1984

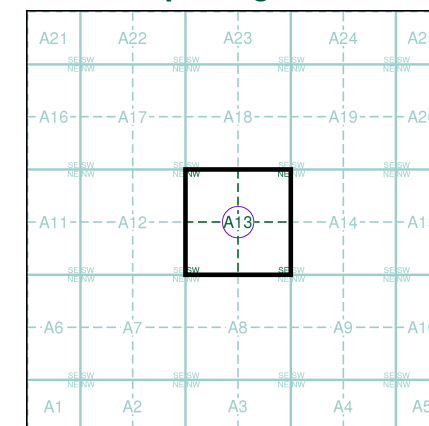
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

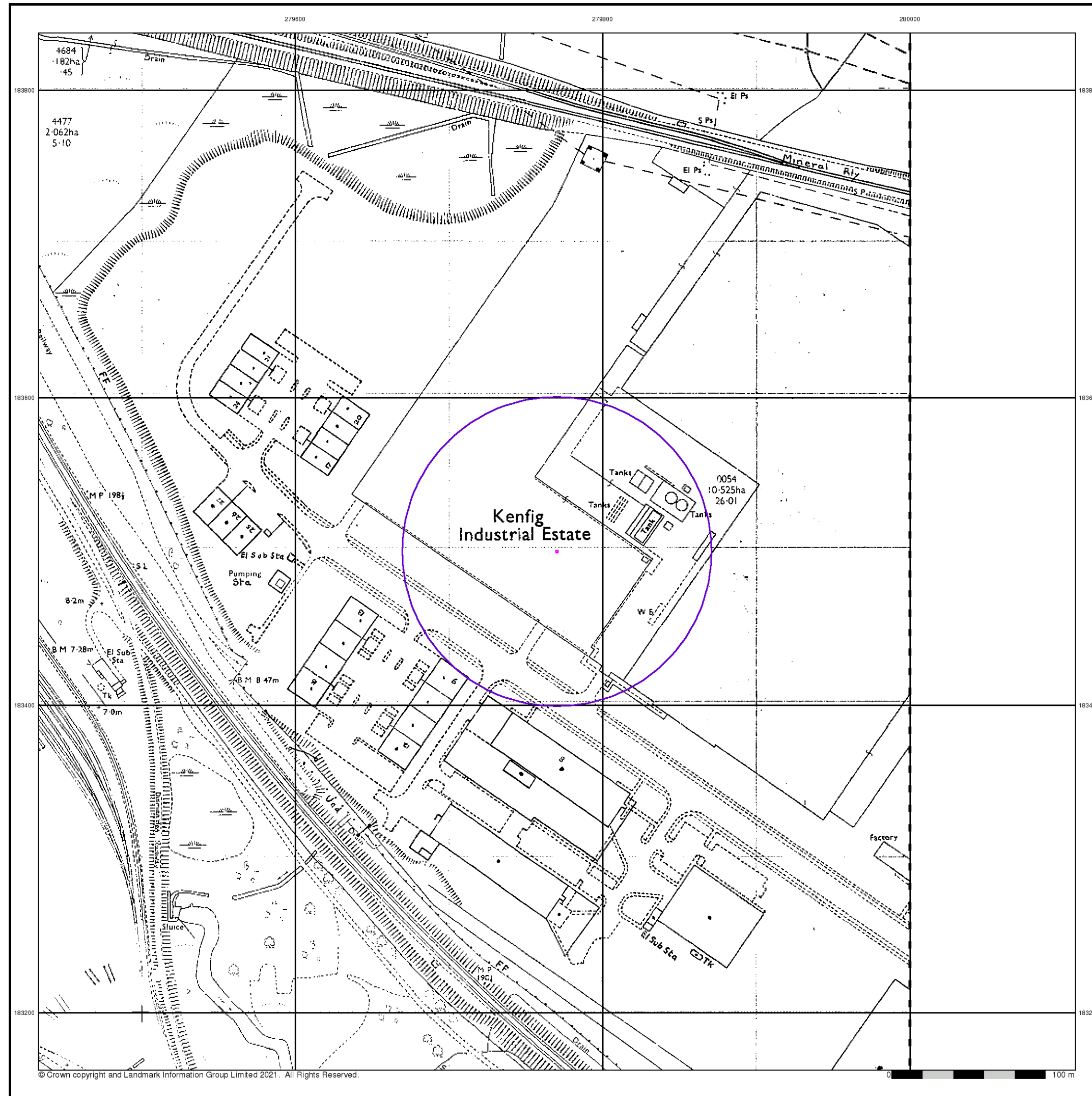
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Site Details

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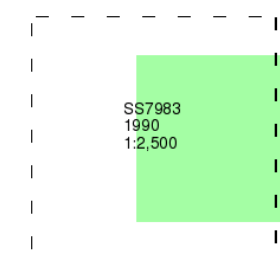
Additional SIMs

Published 1990

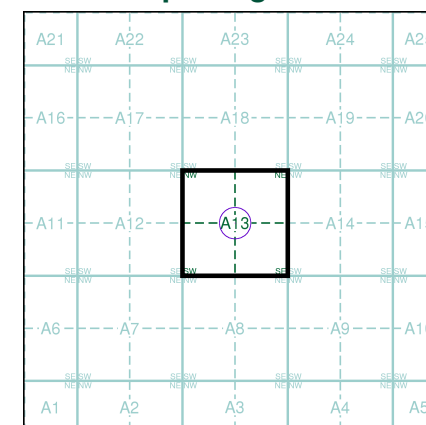
Source map scale - 1:2,500

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 288727065_1_1
Customer Ref: 16976
National Grid Reference: 279770, 183500
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 100

Site Details

Site at 279770, 183500



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0 100 m



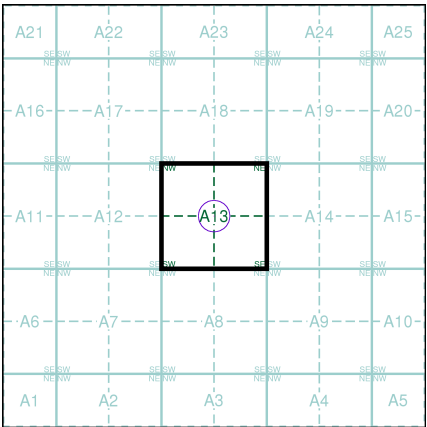
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Historical Aerial Photography

Published 2000

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

Historical Aerial Photography - Segment A13



Order Details

Order Number: 288727065_1_1
Customer Ref: 16976
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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

	Gravel Pit		Sand Pit		Other Pits
	Quarry		Shingle		Orchard
	Osiers		Reeds		Marsh
	Mixed Wood		Deciduous		Brushwood
	Fir		Furze		Rough Pasture
	Arrow denotes flow of water		Trigonometrical Station		
	Site of Antiquities		Bench Mark		
	Pump, Guide Post, Signal Post		Well, Spring, Boundary Post		
	•285 Surface Level				
	Sketched Contour		Instrumental Contour		
	Main Roads		Minor Roads		
	Sunken Road		Raised Road		
	Road over Railway		Railway over River		
	Railway over Road		Level Crossing		
	Road over River or Canal		Road over Stream		
	Road over Stream				
	County Boundary (Geographical)				
	County & Civil Parish Boundary				
	Administrative County & Civil Parish Boundary				
	County Borough Boundary (England)				
	County Burgh Boundary (Scotland)				
	Rural District Boundary				
	Civil Parish Boundary				

Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Bracken		Heath
	Marsh		Reeds
	Building		Glasshouse
	Sloping Masonry		Pylon
	Cutting		Embankment
	Road Under		Road Over
	Level Crossing		Foot Bridge
	Standard Gauge Multiple Track		Standard Gauge Single Track
	Siding, Tramway or Mineral Line		Narrow Gauge
	Geographical County		Administrative County, County Borough or County of City
	Municipal Borough, Urban or Rural District, Burgh or District Council		Borough, Burgh or County Constituency
	Civil Parish		
	BP, BS Boundary Post or Stone		Police Station
	Church		Post Office
	Club House		Public Convenience
	Fire Engine Station		Public House
	Foot Bridge		Signal Box
	Fountain		Spring
	Guide Post		Telephone Call Box
	Mile Post		Telephone Call Post
	Mile Stone		Well

1:10,000 Raster Mapping

	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
	Area of wooded vegetation		Non-coniferous trees
	Non-coniferous trees (scattered)		Coniferous trees
	Coniferous trees (scattered)		Positioned tree
	Orchard		Coppice or Osiers
	Rough Grassland		Heath
	Scrub		Marsh, Salt Marsh or Reeds
	Water feature		Flow arrows
	Mean high water (springs)		Mean low water (springs)
	Telephone line (where shown)		Electricity transmission line (with poles)
	Bench mark (where shown)		Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)		Pylon, flare stack or lighting tower
	Site of (antiquity)		Glasshouse
	General Building		Important Building

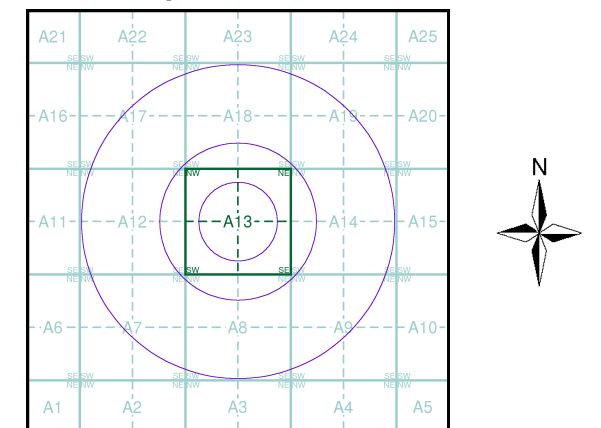


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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:10,560	1884 - 1885	2
Glamorganshire	1:10,560	1900	3
Glamorganshire	1:10,560	1921	4
Glamorganshire	1:10,560	1947 - 1952	5
Ordnance Survey Plan	1:10,000	1964 - 1965	6
Ordnance Survey Plan	1:10,000	1969	7
Ordnance Survey Plan	1:10,000	1987 - 1988	8
Ordnance Survey Plan	1:10,000	1990	9
10K Raster Mapping	1:10,000	1999	10
10K Raster Mapping	1:10,000	2006	11
VectorMap Local	1:10,000	2021	12

Historical Map - Slice A



Order Details

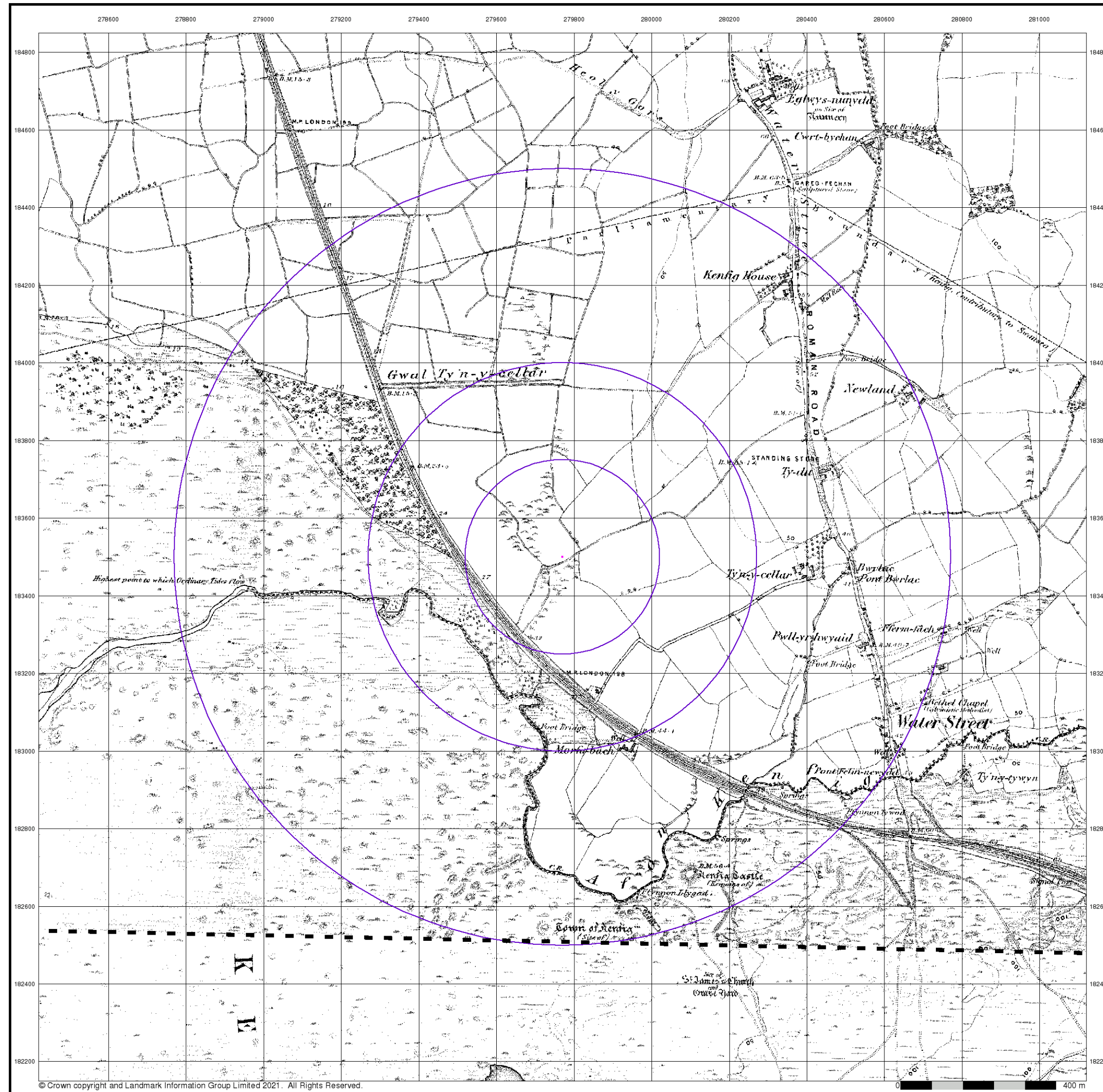
Order Number: 288727065_1_1
Customer Ref: 16976
National Grid Reference: 279770, 183500
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

Site at 279770, 183500

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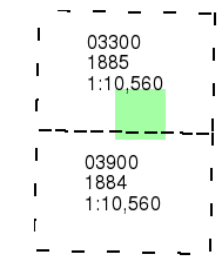
Glamorganshire

Published 1884 - 1885

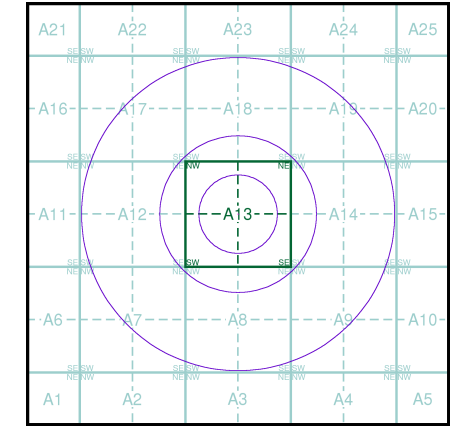
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

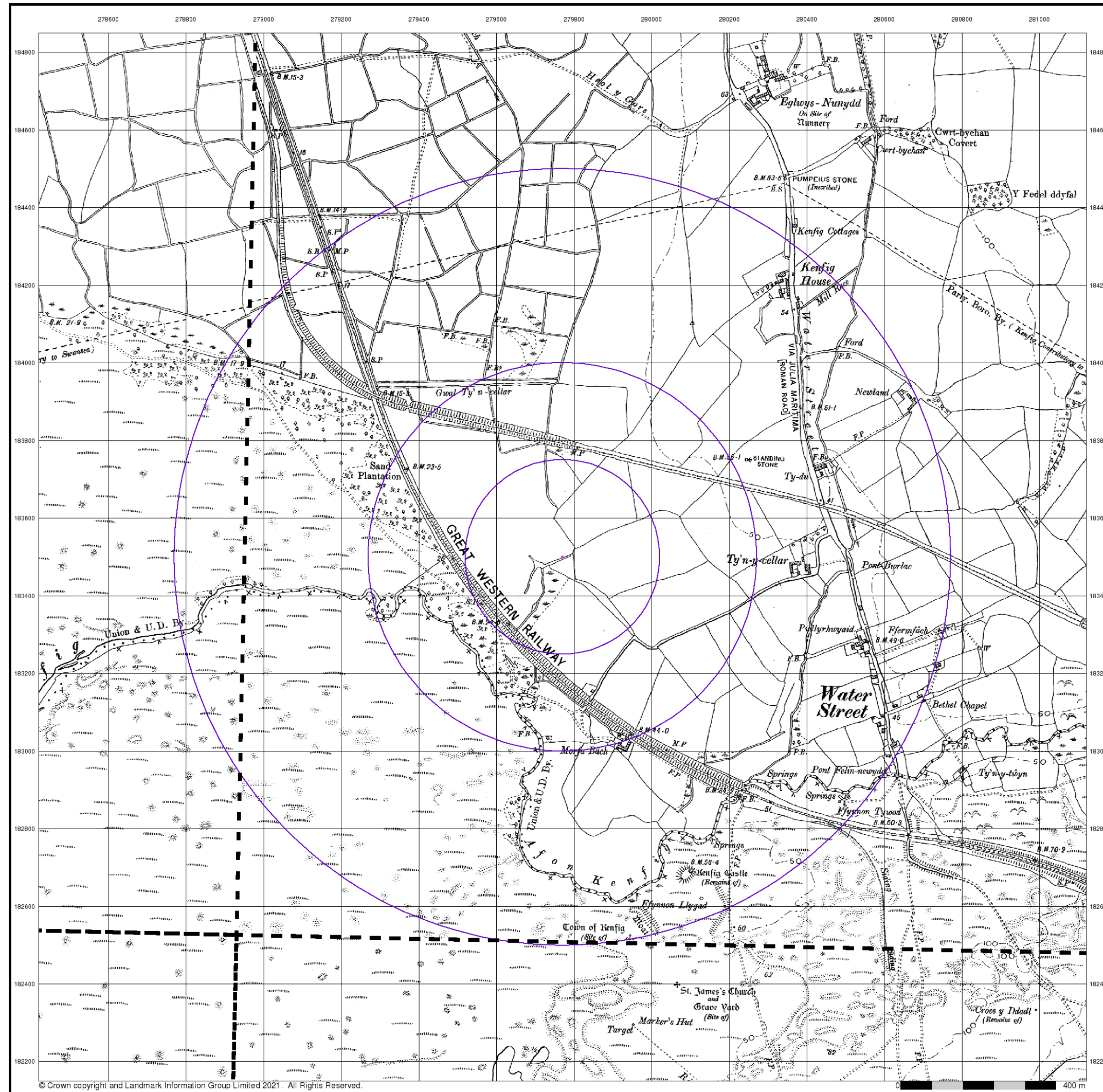
Order Number: 288727065_1_1
Customer Ref: 16976
National Grid Reference: 279770, 183500
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

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Glamorganshire

Published 1900

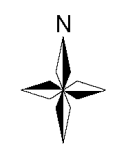
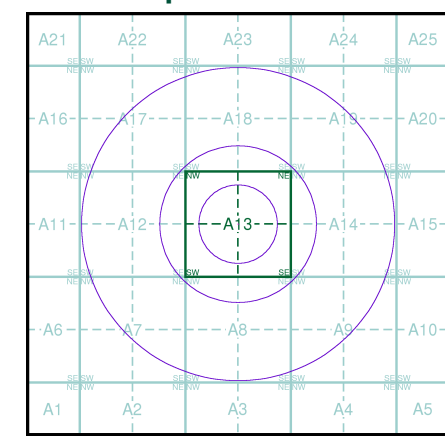
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

033SW 1900 1:10,560	033SE 1900 1:10,560
039NW 1900 1:10,560	039NE 1900 1:10,560

Historical Map - Slice A



Order Details

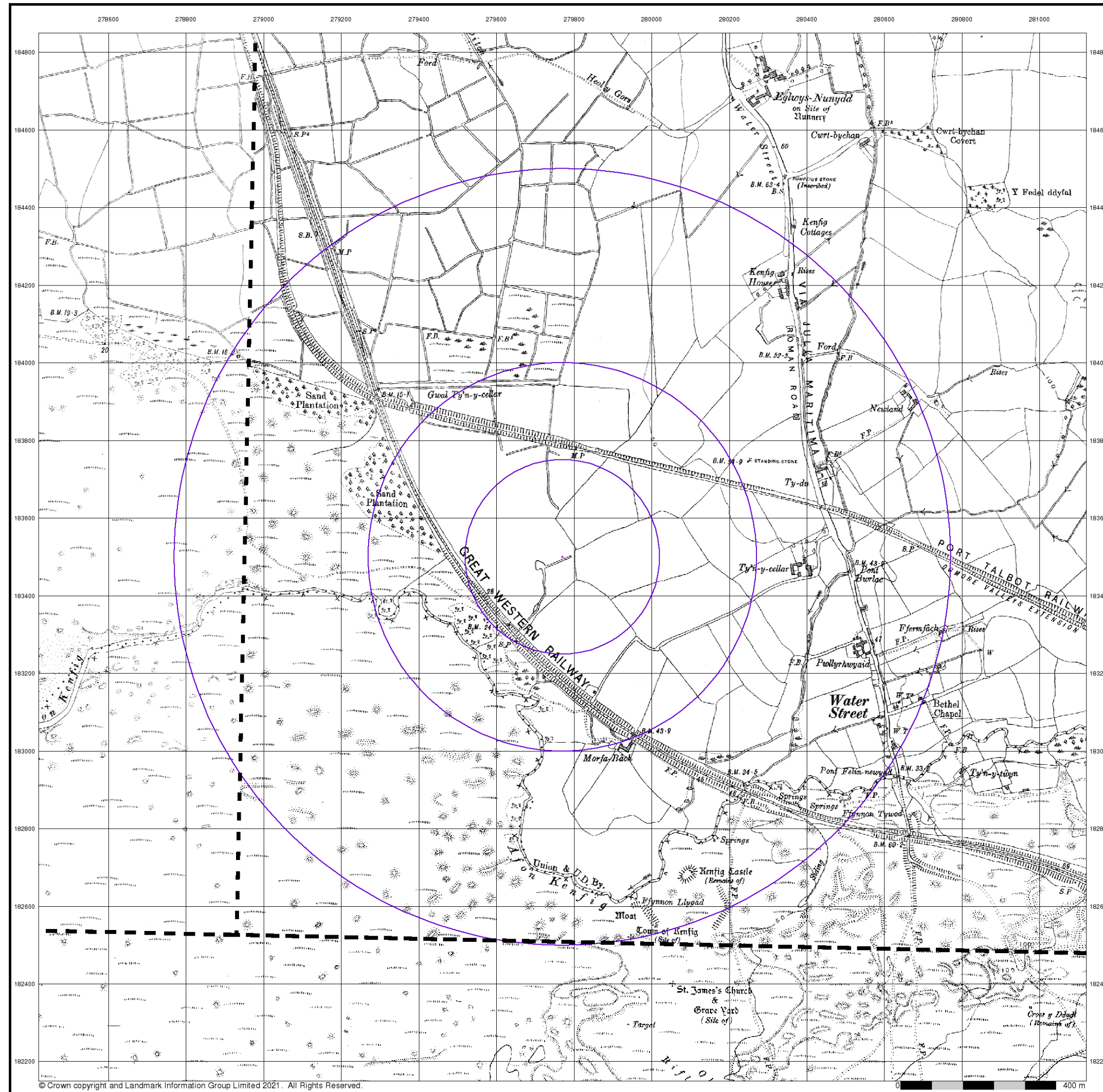
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Customer Ref: 16976
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Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

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Glamorganshire

Published 1921

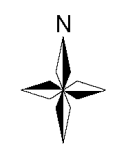
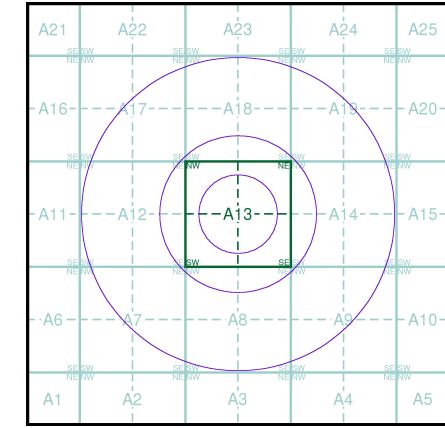
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

033SW	033SE
1921	1921
1:10,560	1:10,560
03900	
1921	
1:10,560	

Historical Map - Slice A



Order Details

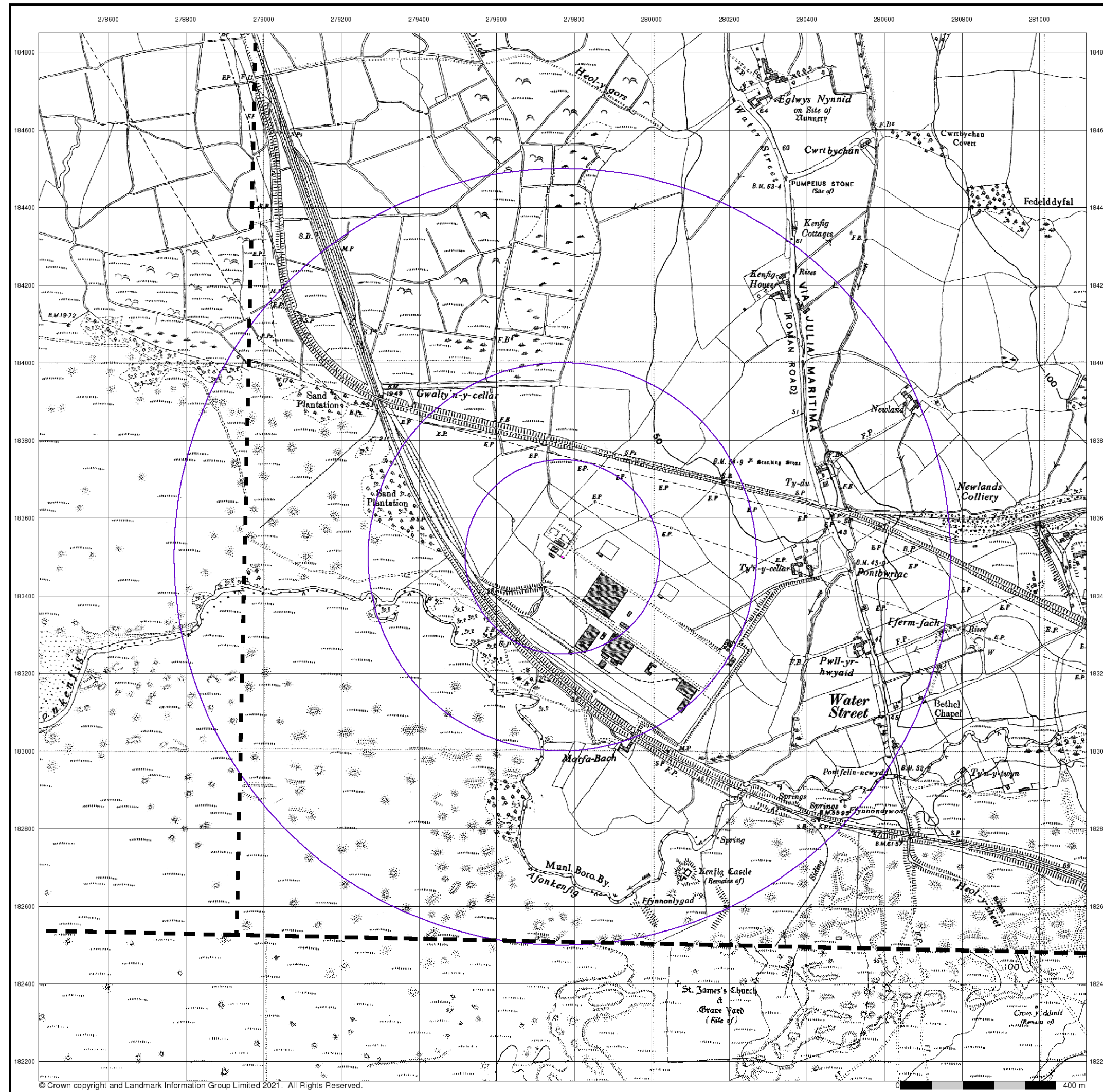
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Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

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Glamorganshire

Published 1947 - 1952

Source map scale - 1:10,560

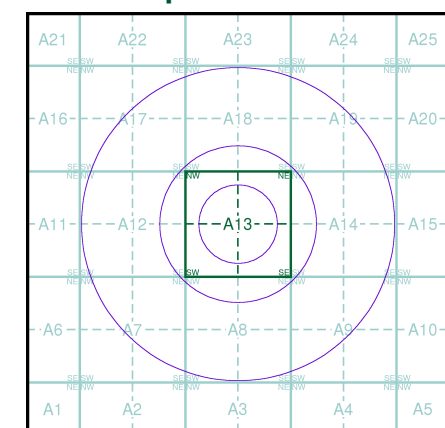
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

033SW	033SE
1951	1952
1:10,560	1:10,560

03900	
1947	
1:10,560	

Historical Map - Slice A



Order Details

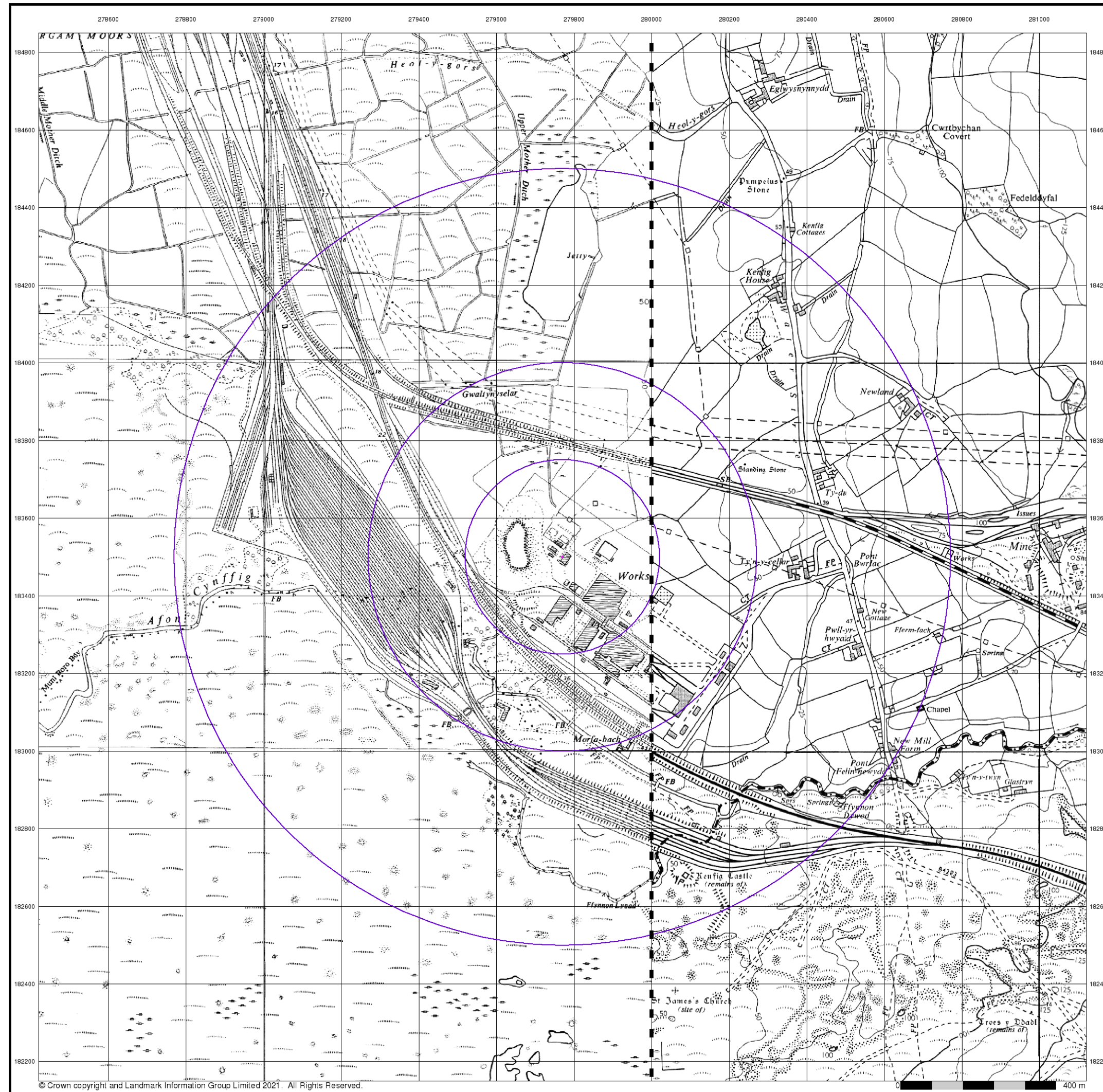
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Site Area (Ha): 0.01
Search Buffer (m): 1000

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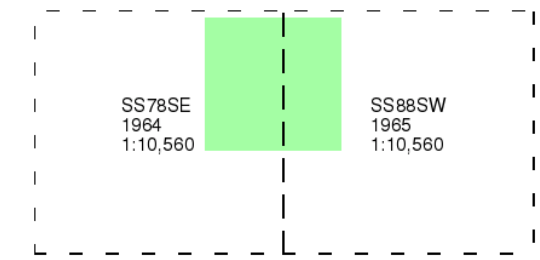
Ordnance Survey Plan

Published 1964 - 1965

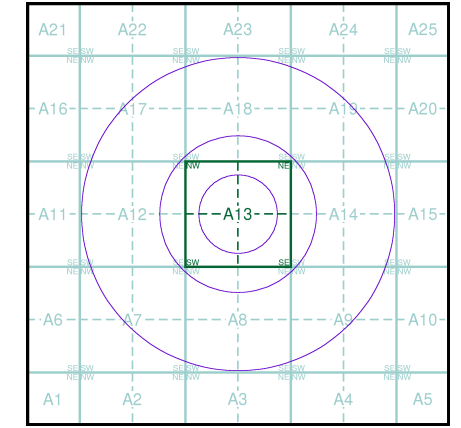
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

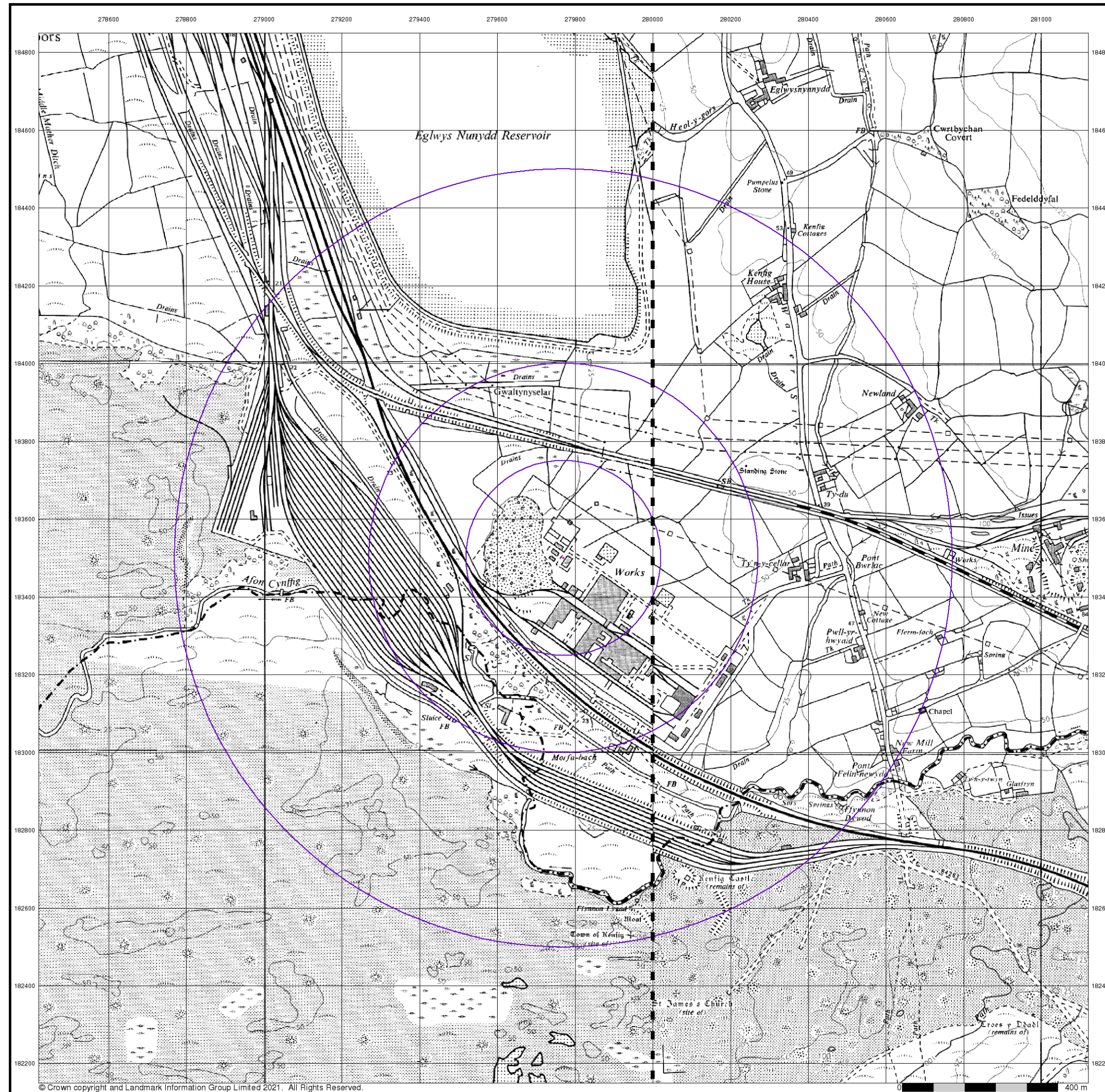
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Customer Ref: 16976
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Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

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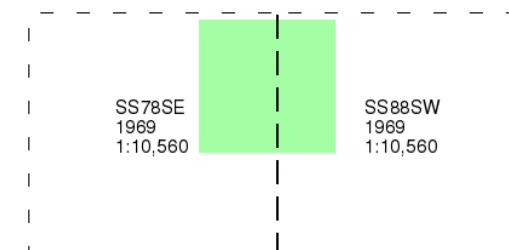
Ordnance Survey Plan

Published 1969

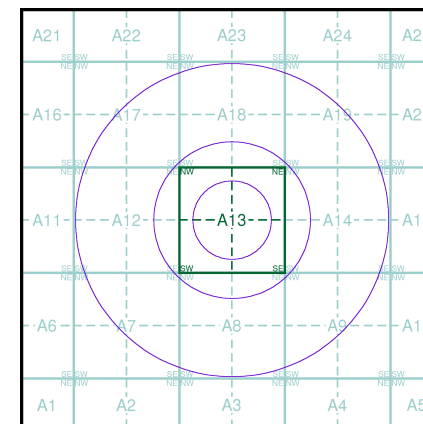
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

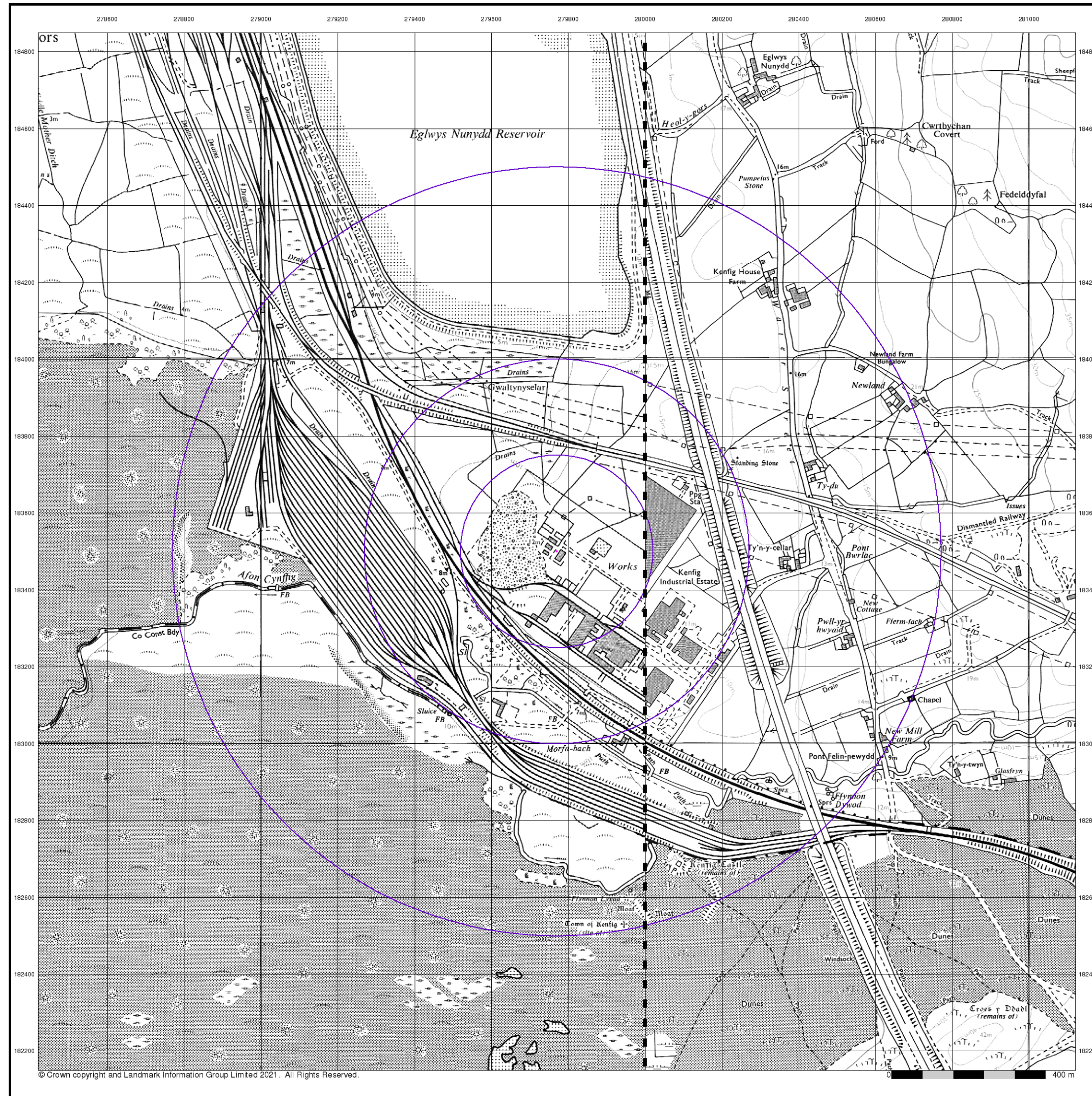
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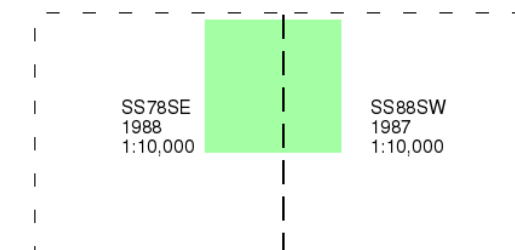
Ordnance Survey Plan

Published 1987 - 1988

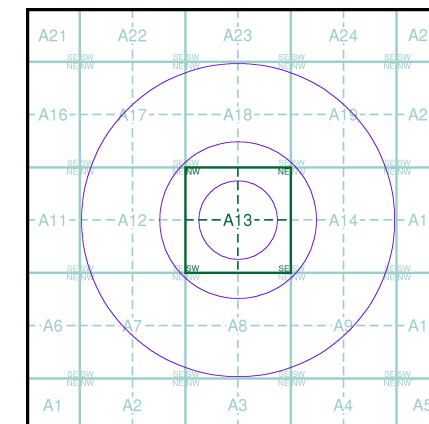
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

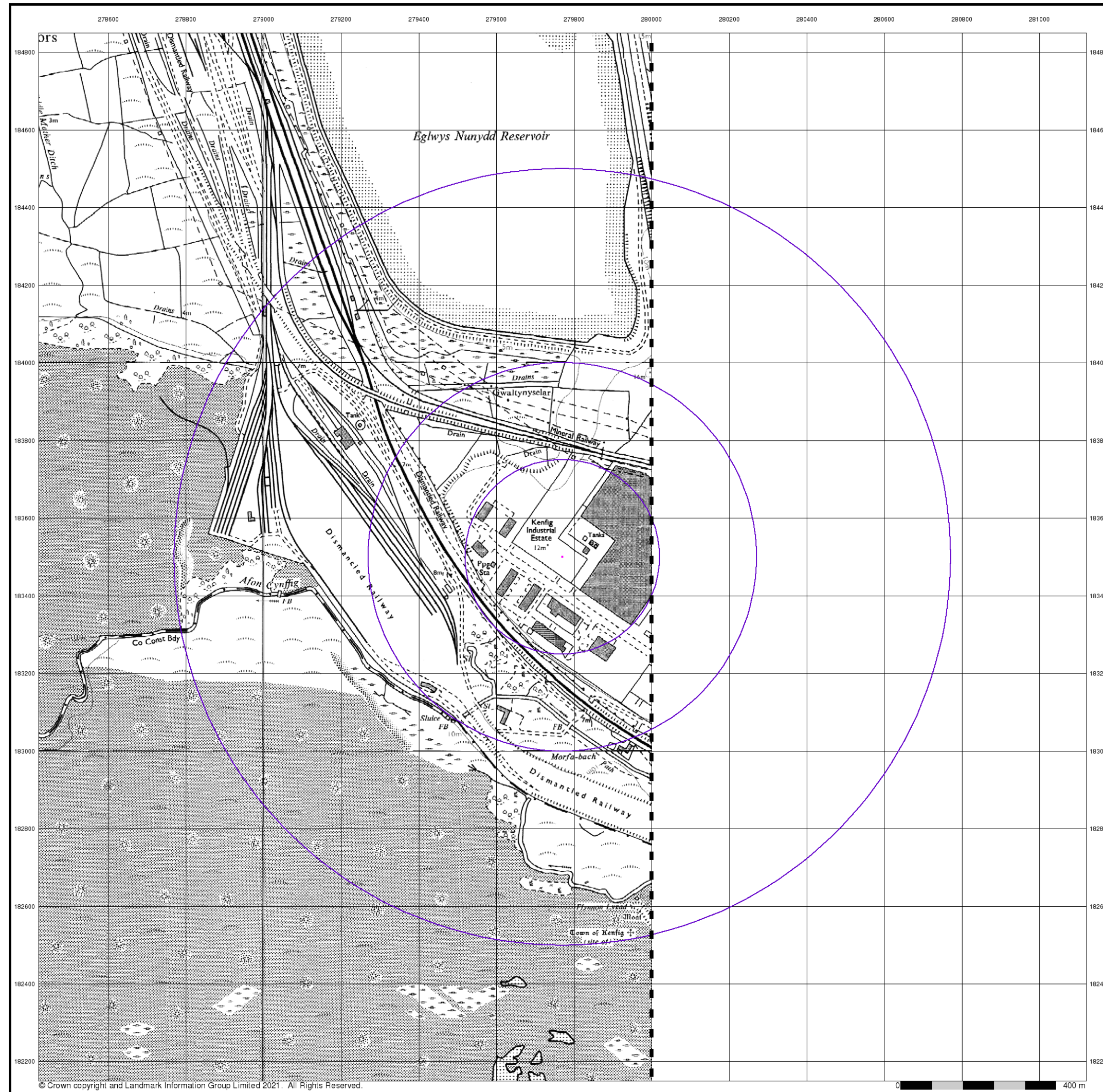
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Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

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0 400 m



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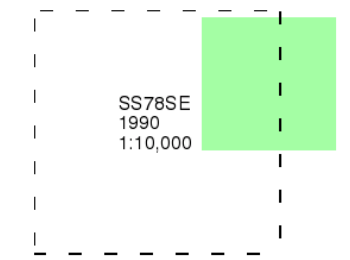
Ordnance Survey Plan

Published 1990

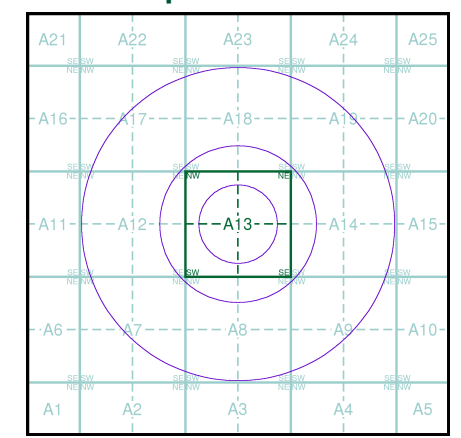
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

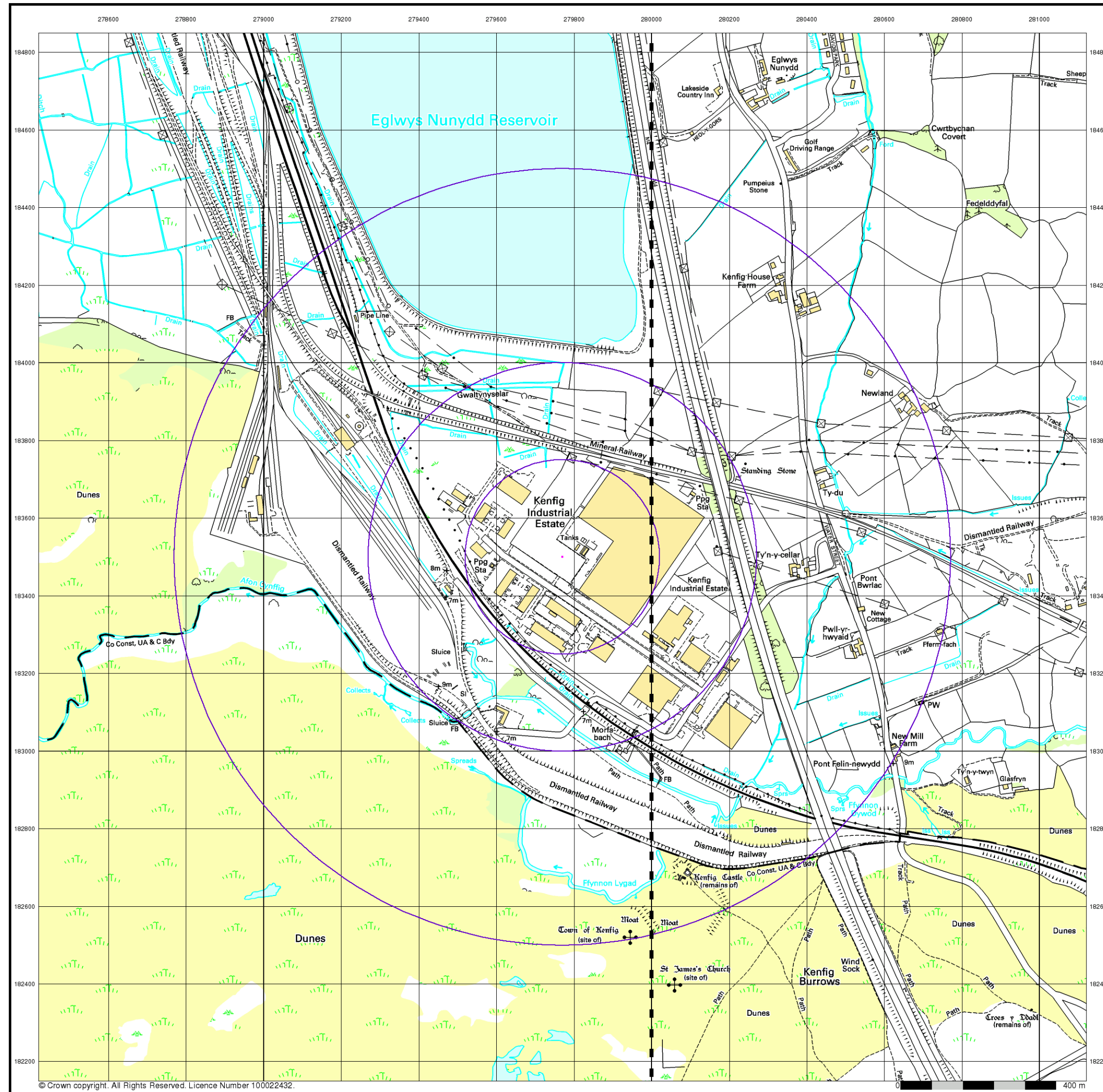
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Customer Ref: 16976
National Grid Reference: 279770, 183500
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

Site at 279770, 183500



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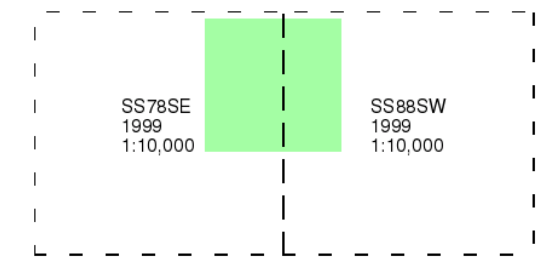
10k Raster Mapping

Published 1999

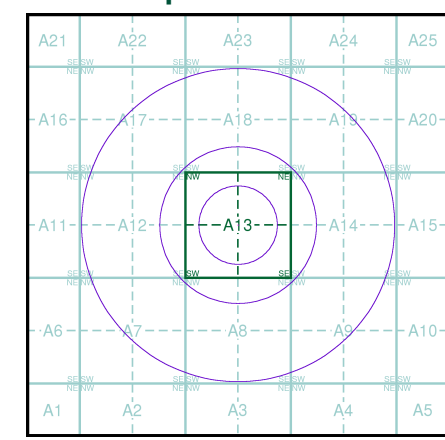
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

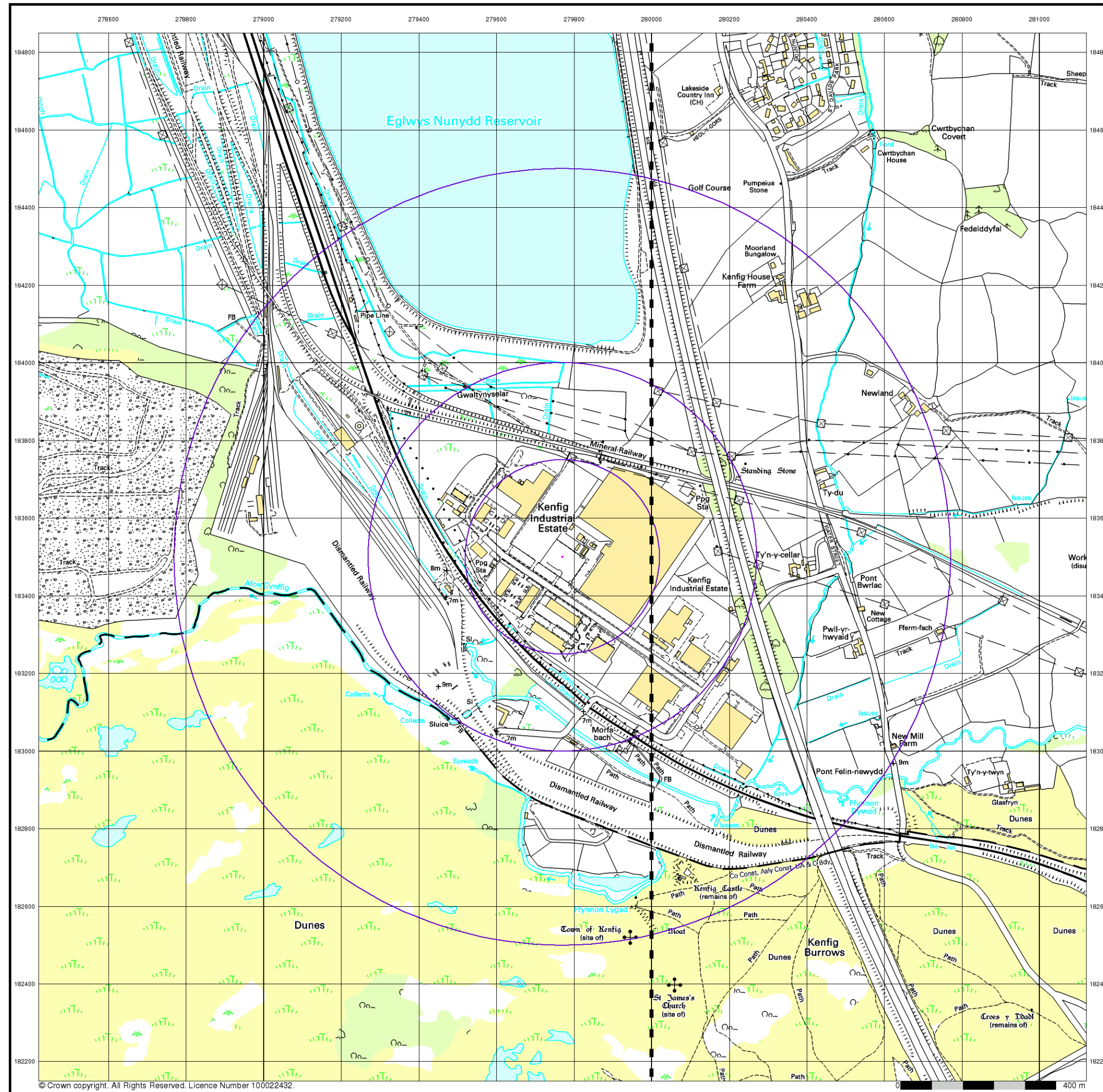
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Customer Ref: 16976
National Grid Reference: 279770, 183500
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

Site at 279770, 183500



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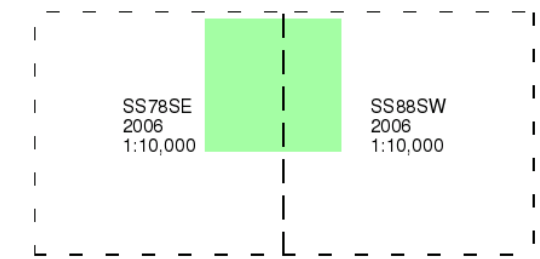
10k Raster Mapping

Published 2006

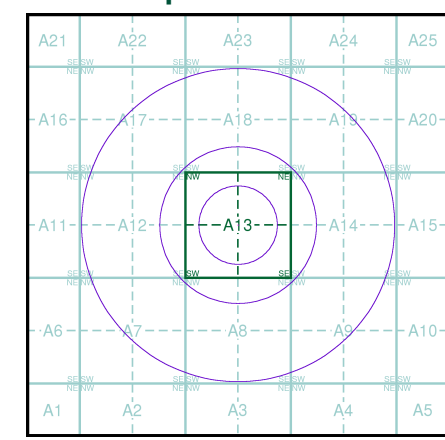
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 288727065_1_1
Customer Ref: 16976
National Grid Reference: 279770, 183500
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

Site at 279770, 183500



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General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location
- Pylon
- Overhead Transmission Line

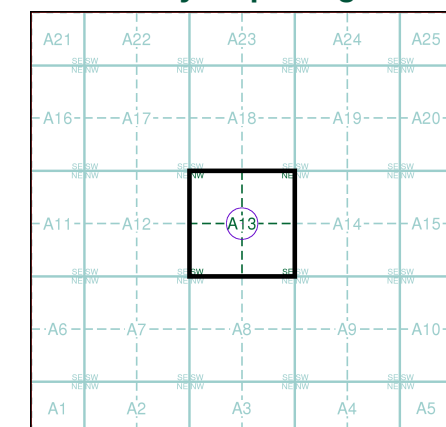
Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral
- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement
- BGS Recorded Mineral Site

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Site Sensitivity Map - Segment A13

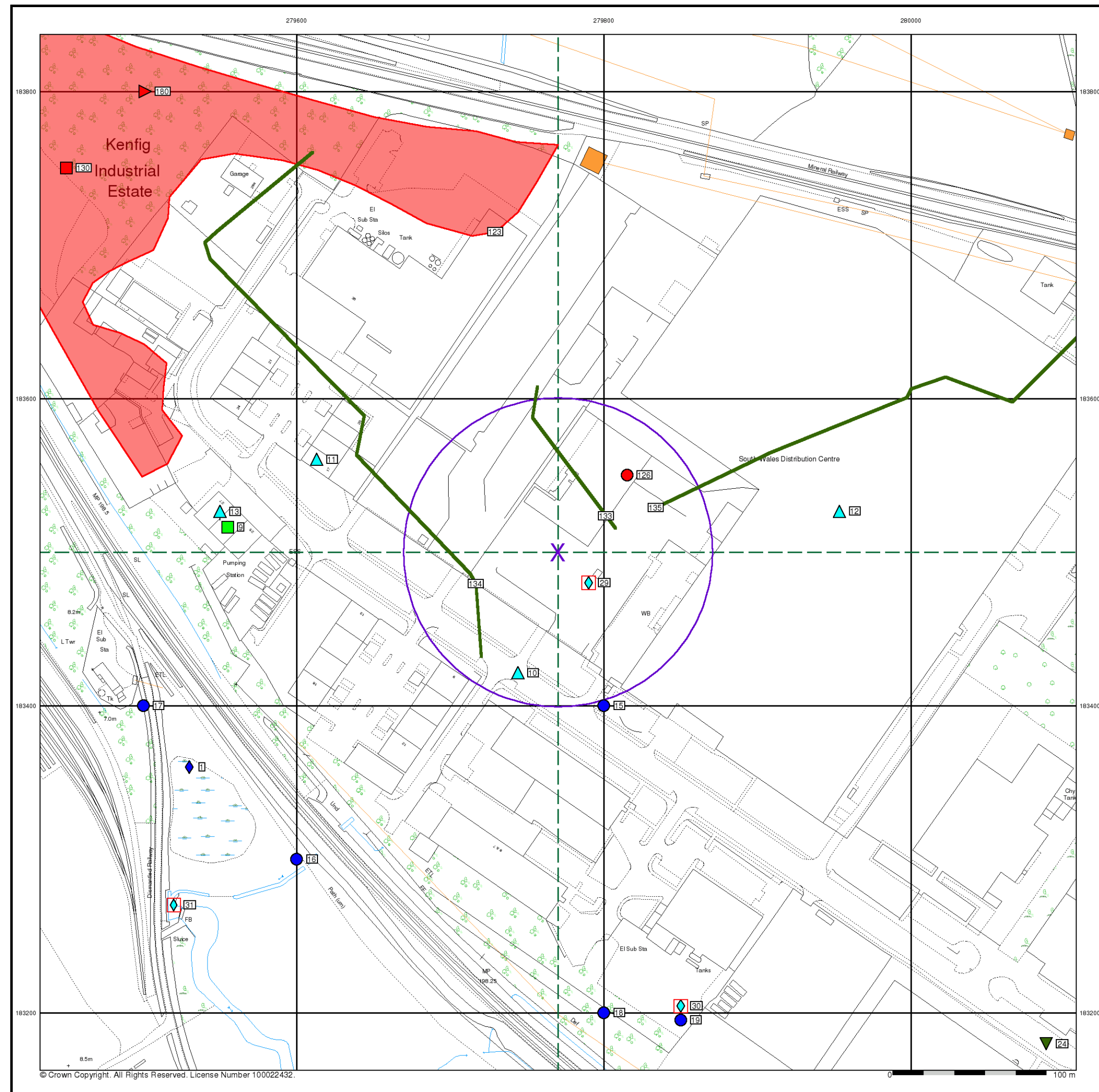


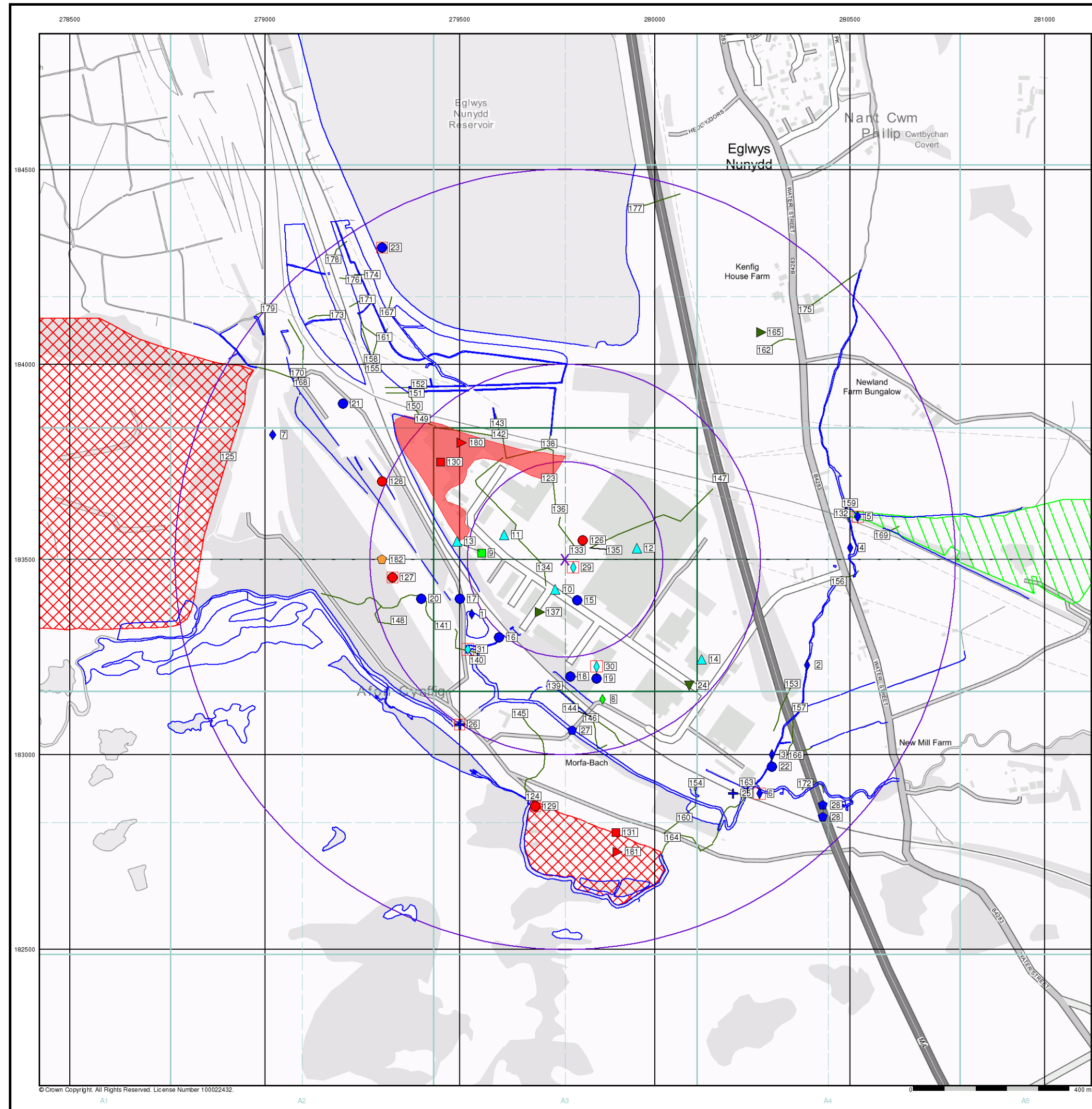
Order Details

Order Number: 288727065_1_1
 Customer Ref: 16976
 National Grid Reference: 279770, 183500
 Slice: A
 Site Area (Ha): 0.01
 Plot Buffer (m): 100

Site Details

Site at 279770, 183500



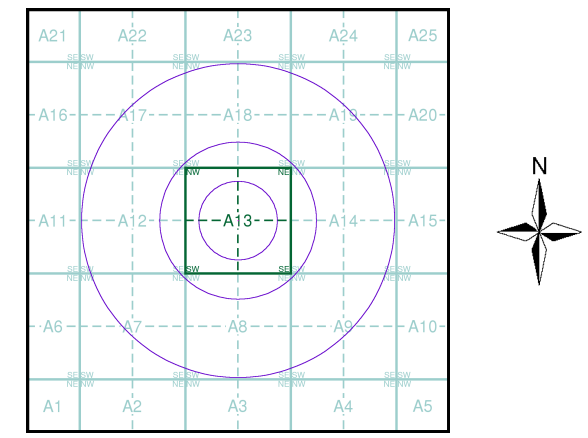


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- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - River Quality Sampling Point
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
 - BGS Recorded Mineral Site
- Waste**
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site

Site Sensitivity Map - Slice A

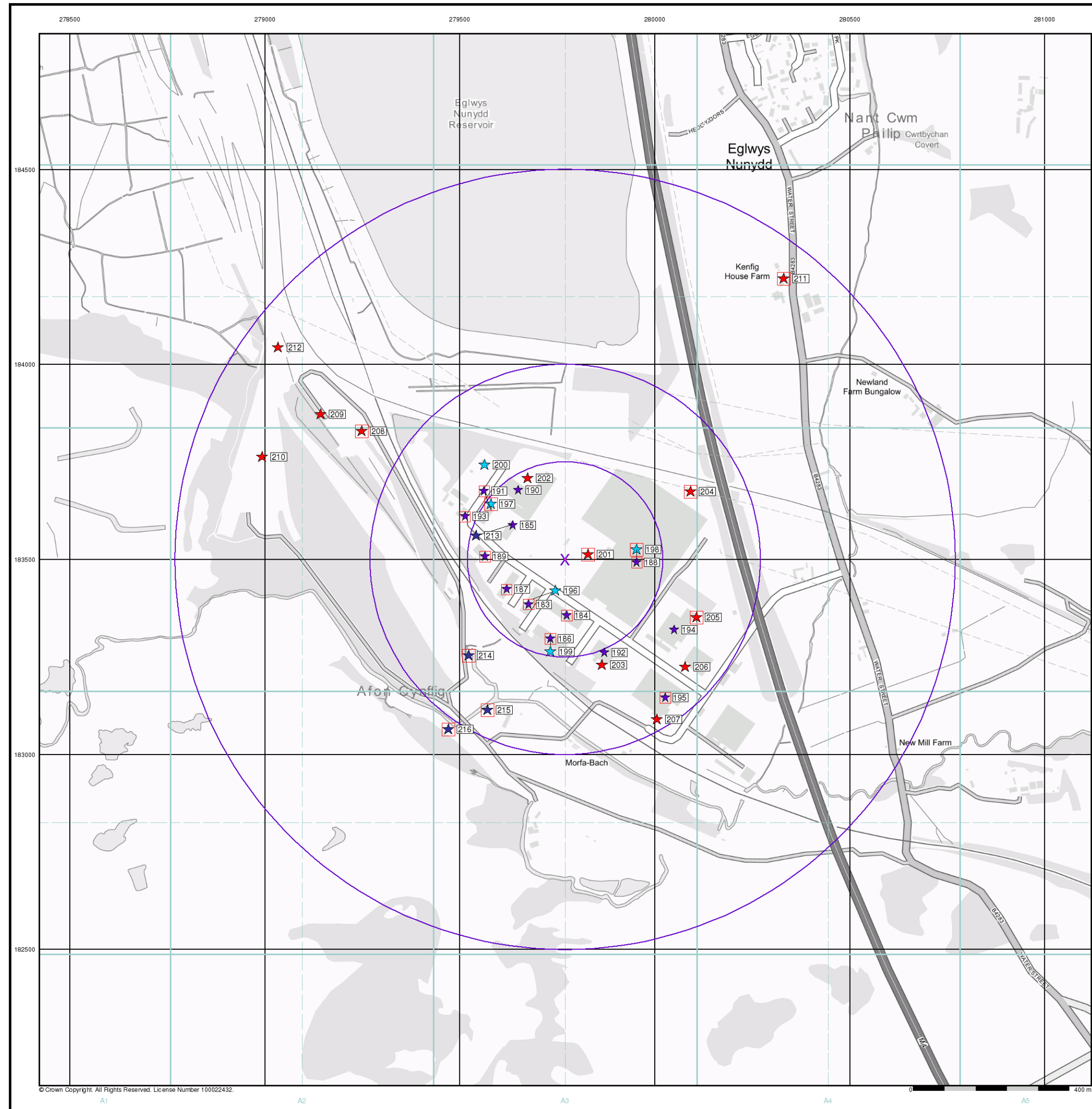


Order Details

Order Number: 288727065_1_1
Customer Ref: 16976
National Grid Reference: 279770, 183500
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

Site at 279770, 183500



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Industrial Land Use Map

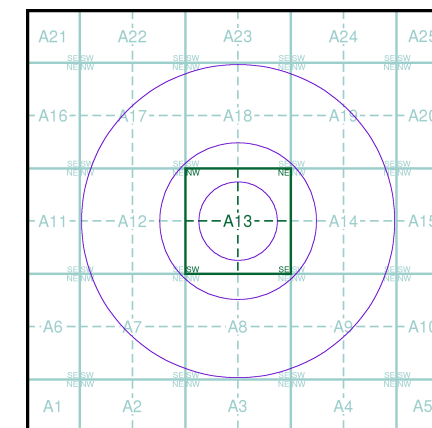
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Points of Interest - Commercial Services
- Points of Interest - Education and Health
- Points of Interest - Manufacturing and Production
- Points of Interest - Public Infrastructure
- Points of Interest - Recreational and Environmental
- Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

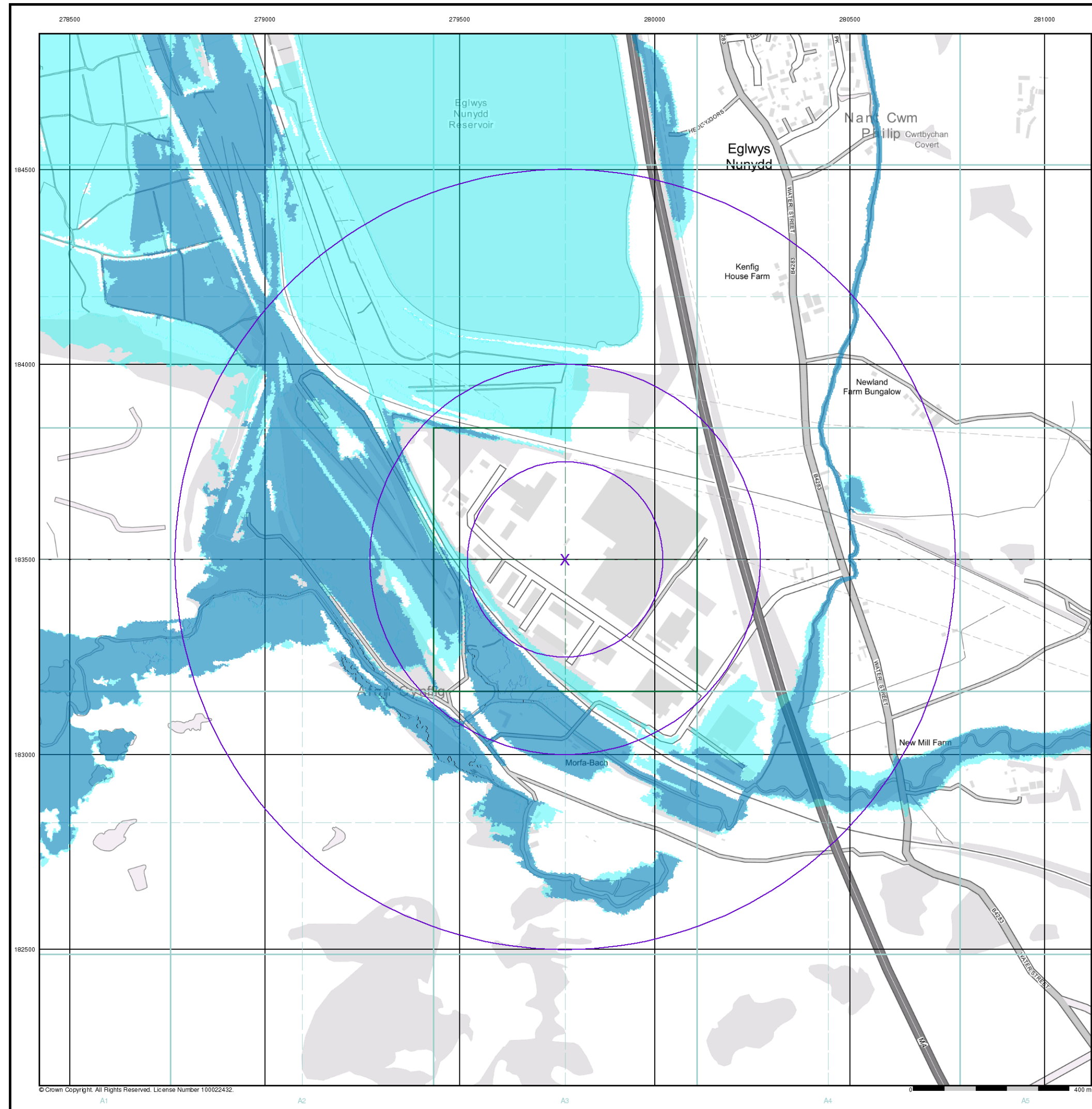
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Customer Ref: 16976
National Grid Reference: 279770, 183500
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

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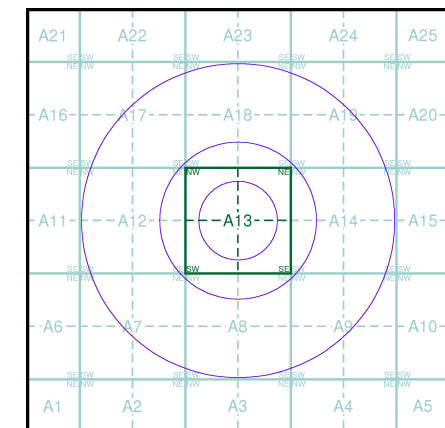
General

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

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice A

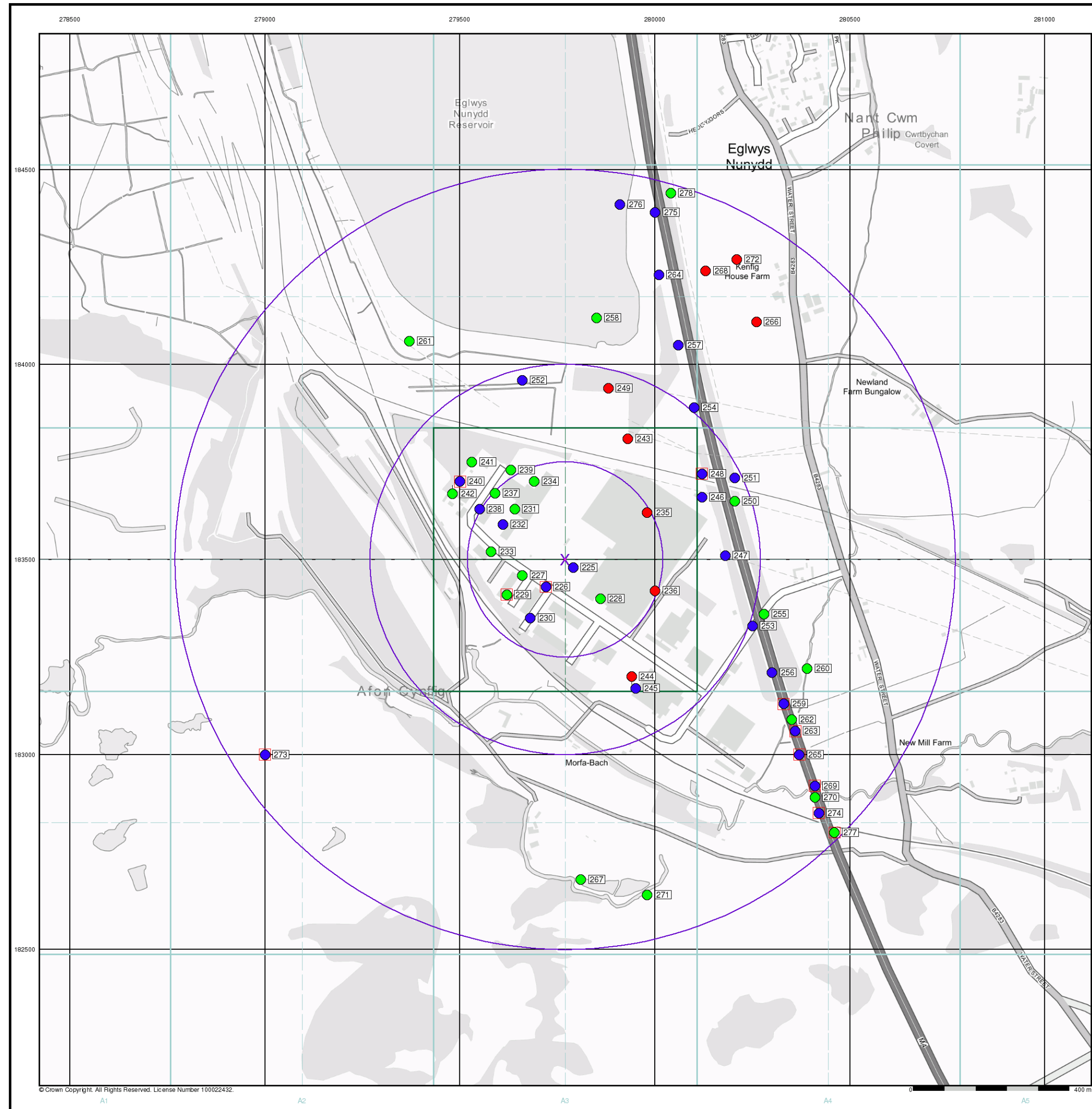


Order Details

Order Number: 288727065_1_1
Customer Ref: 16976
National Grid Reference: 279770, 183500
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

Site at 279770, 183500



General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

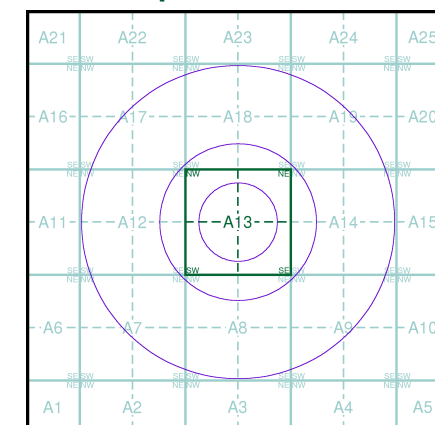
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice A

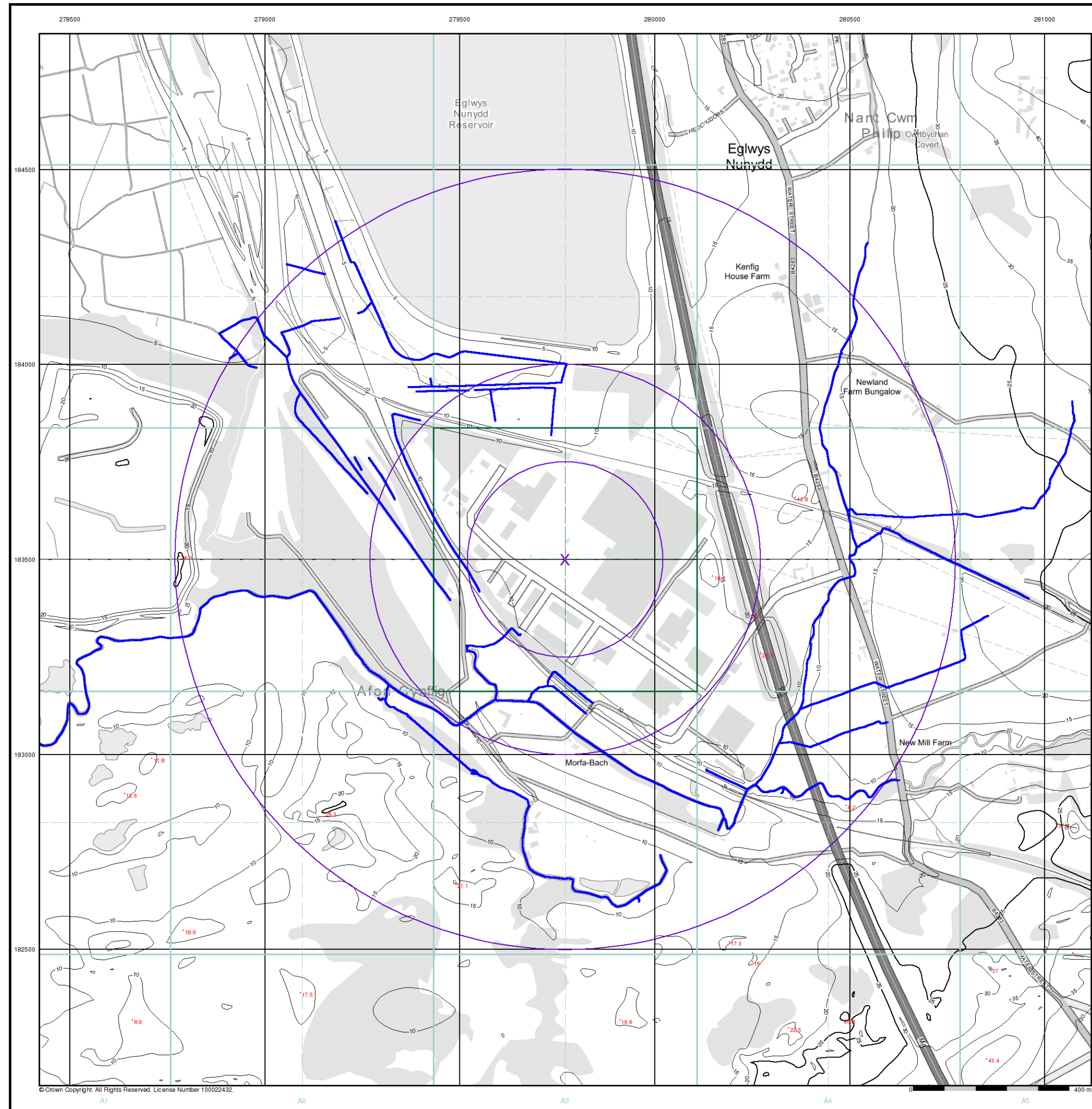


Order Details

Order Number: 288727065_1_1
Customer Ref: 16976
National Grid Reference: 279770, 183500
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

Site at 279770, 183500

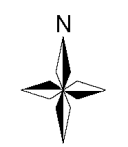
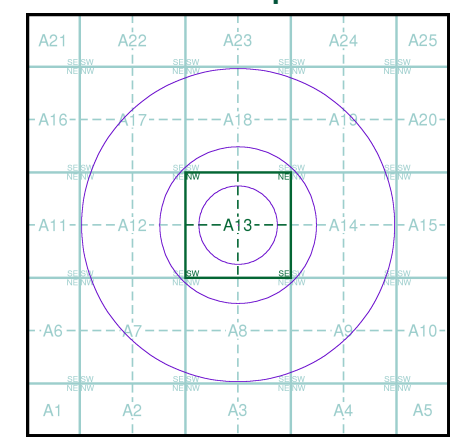


- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point

- OS Water Network Data**
- | | |
|--------------|-------------------------|
| Canal | Drain |
| Reservoir | Other |
| Foreshore | Lake |
| Marsh | Transfer |
| Tidal River | Lock Or Flight Of Locks |
| Inland River | Sea |

- Contours (height in meters)**
- Standard Contour: 105, 100, 95
- Master Contour: 105, 100, 95
- Spot Height: 167.3
- MLW: Mean Low Water
- MHW: Mean High Water

OS Water Network Map - Slice A



Order Details

Order Number: 288727065_1_1

Customer Ref: 16976

National Grid Reference: 279770, 183500

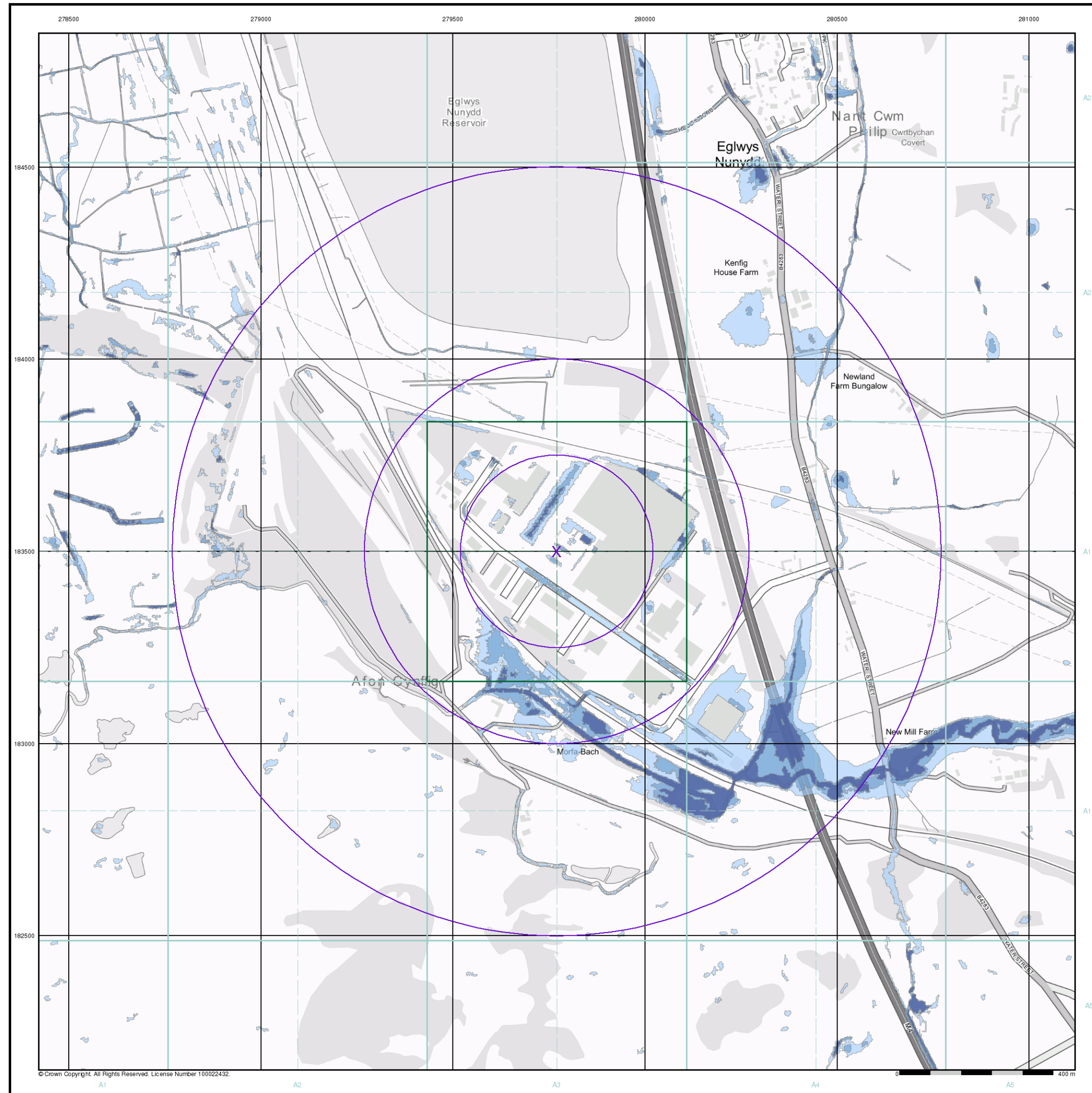
Slice: A

Site Area (Ha): 0.01

Search Buffer (m): 1000

Site Details

Site at 279770, 183500



General

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

Risk of Flooding from Surface Water

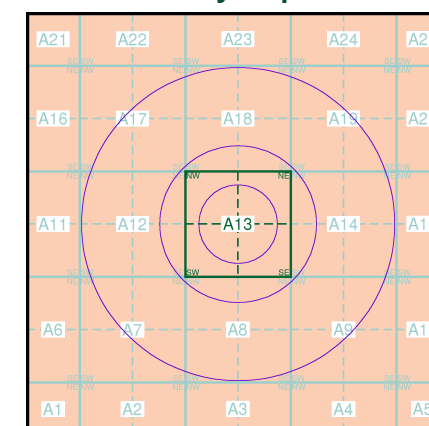
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

- National to county
- County to town
- Town to street
- Street to parcels of land
- Property

E/NRW Suitability Map - Slice A

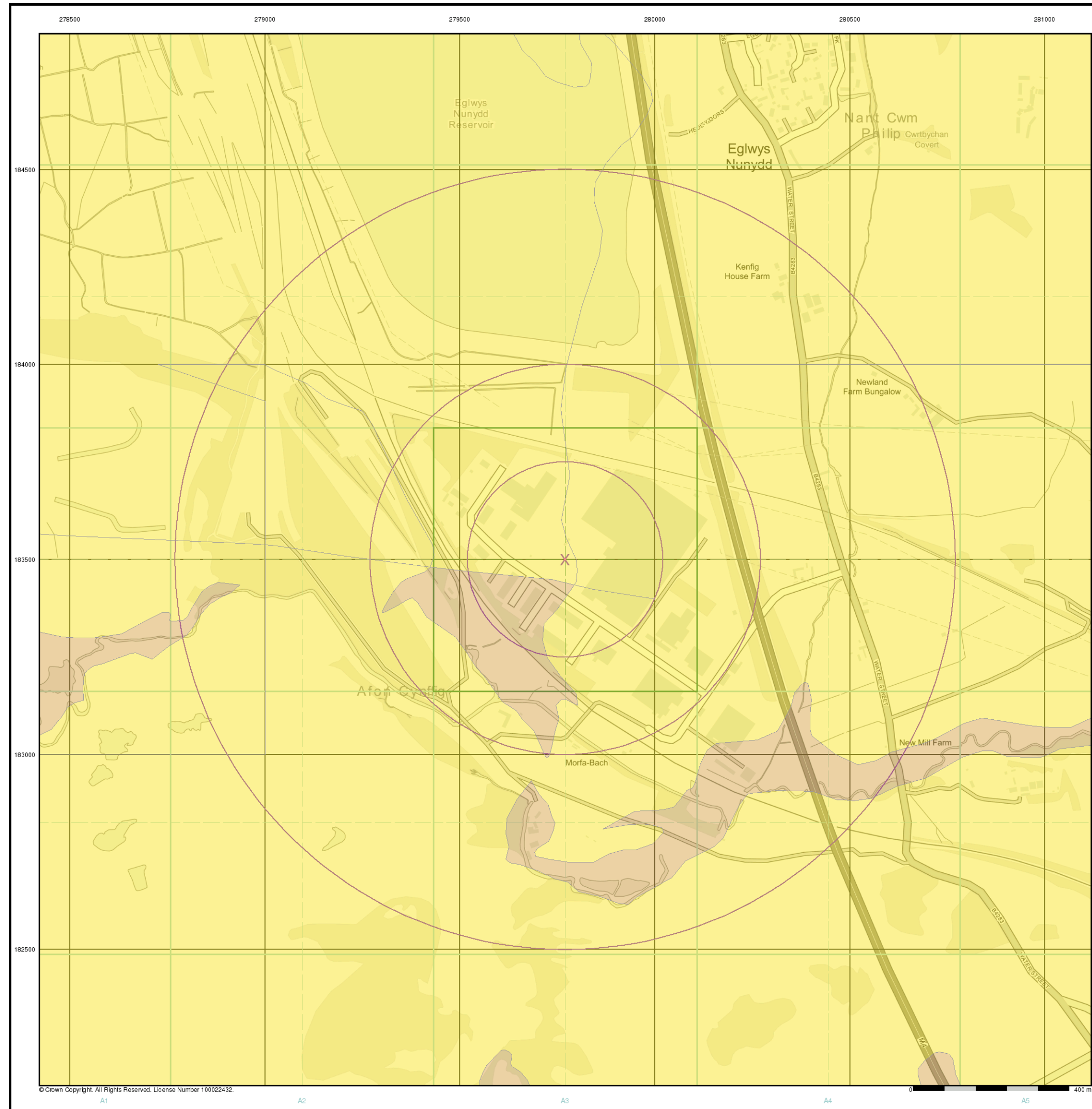


Order Details

Order Number: 288727065_1_1
Customer Ref: 16976
National Grid Reference: 279770, 183500
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

Site at 279770, 183500



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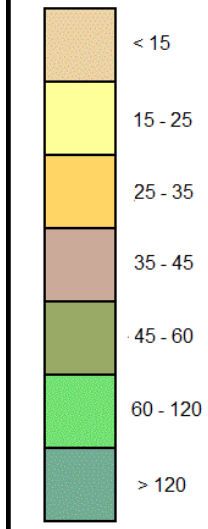
Geotechnical & Geoenvironmental Specialists

General

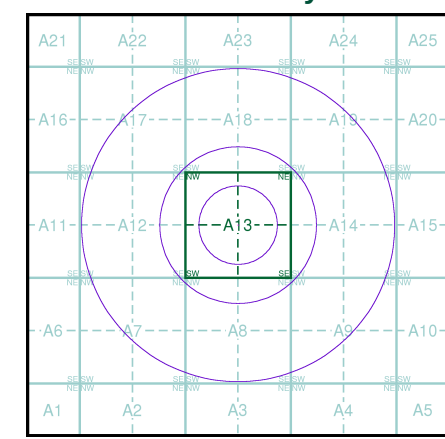
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A



Order Details

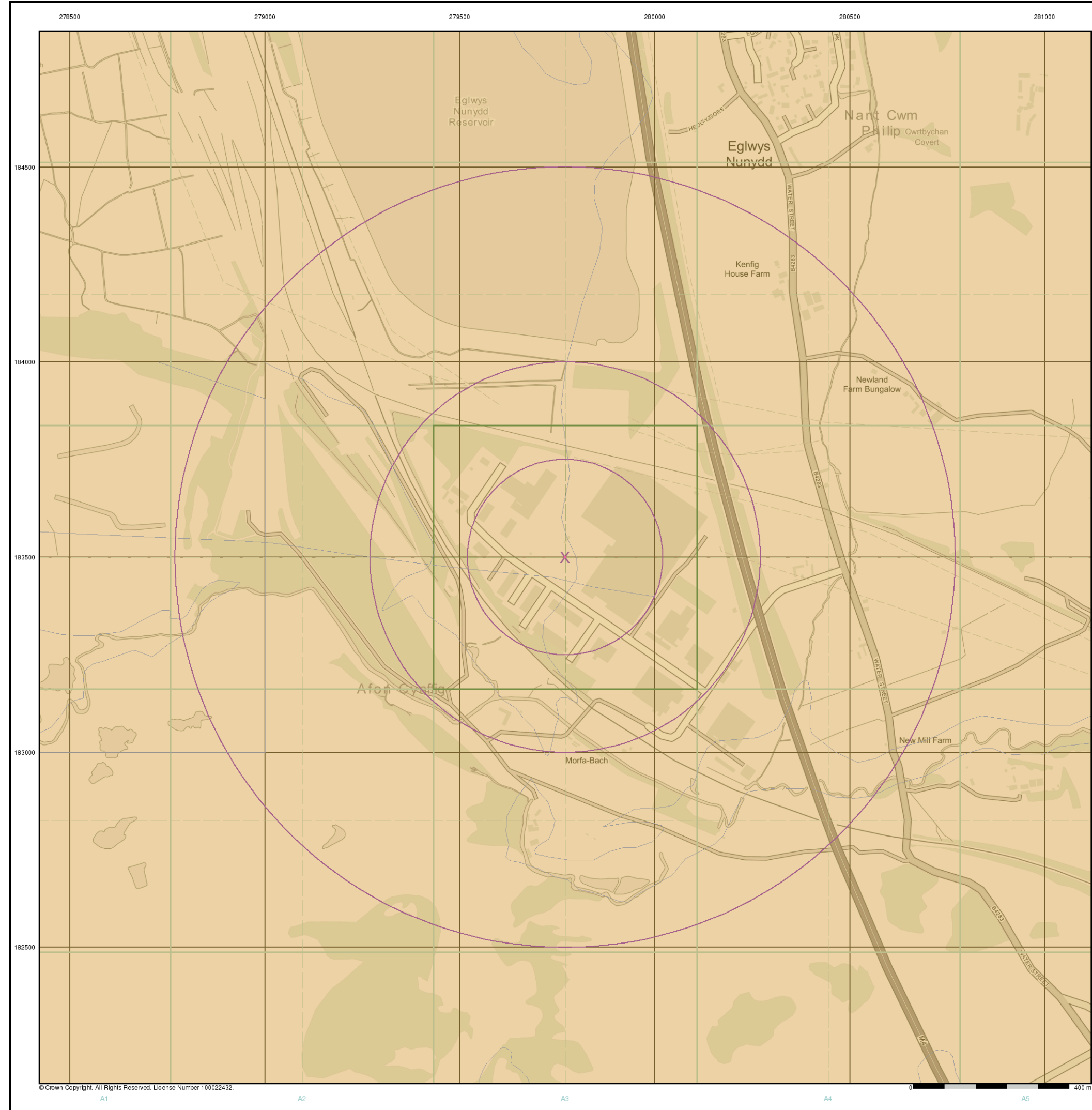
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Customer Ref: 16976
National Grid Reference: 279770, 183500
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

Site at 279770, 183500



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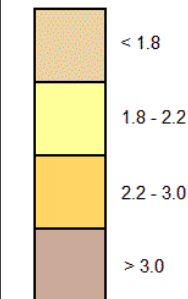


General

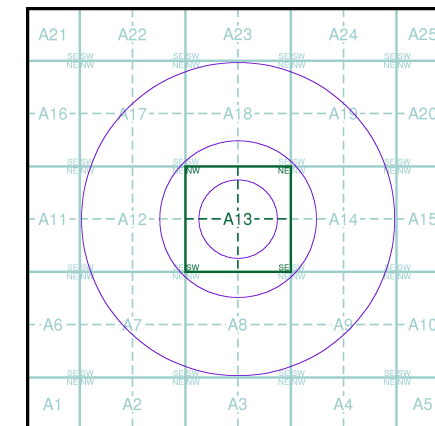
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A

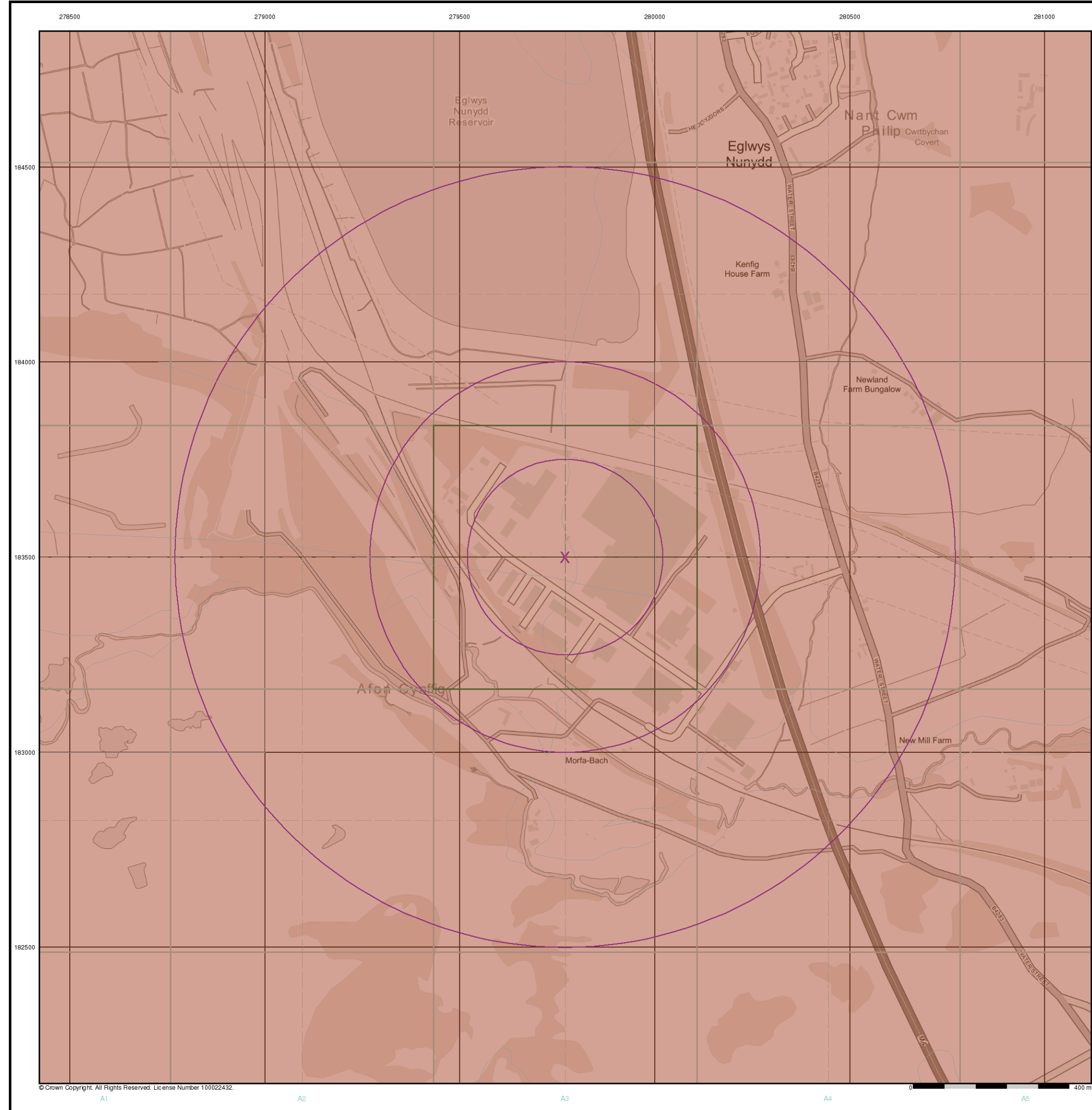


Order Details

Order Details: 288727065_1_1
Customer Ref: 16976
National Grid Reference: 279770, 183500
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

Site at 279770, 183500



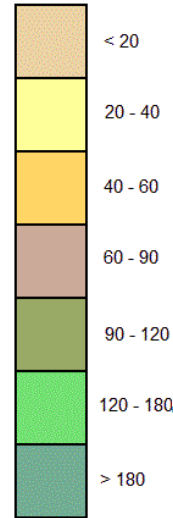
Geotechnical & Geoenvironmental Specialists

General

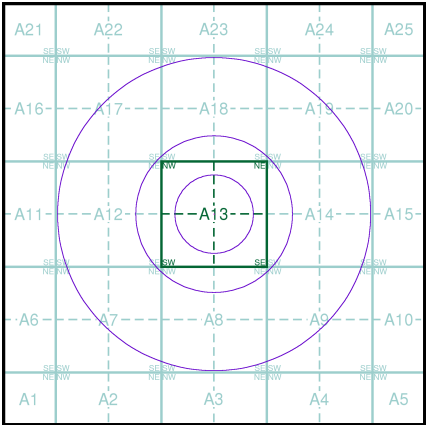
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A



Order Details

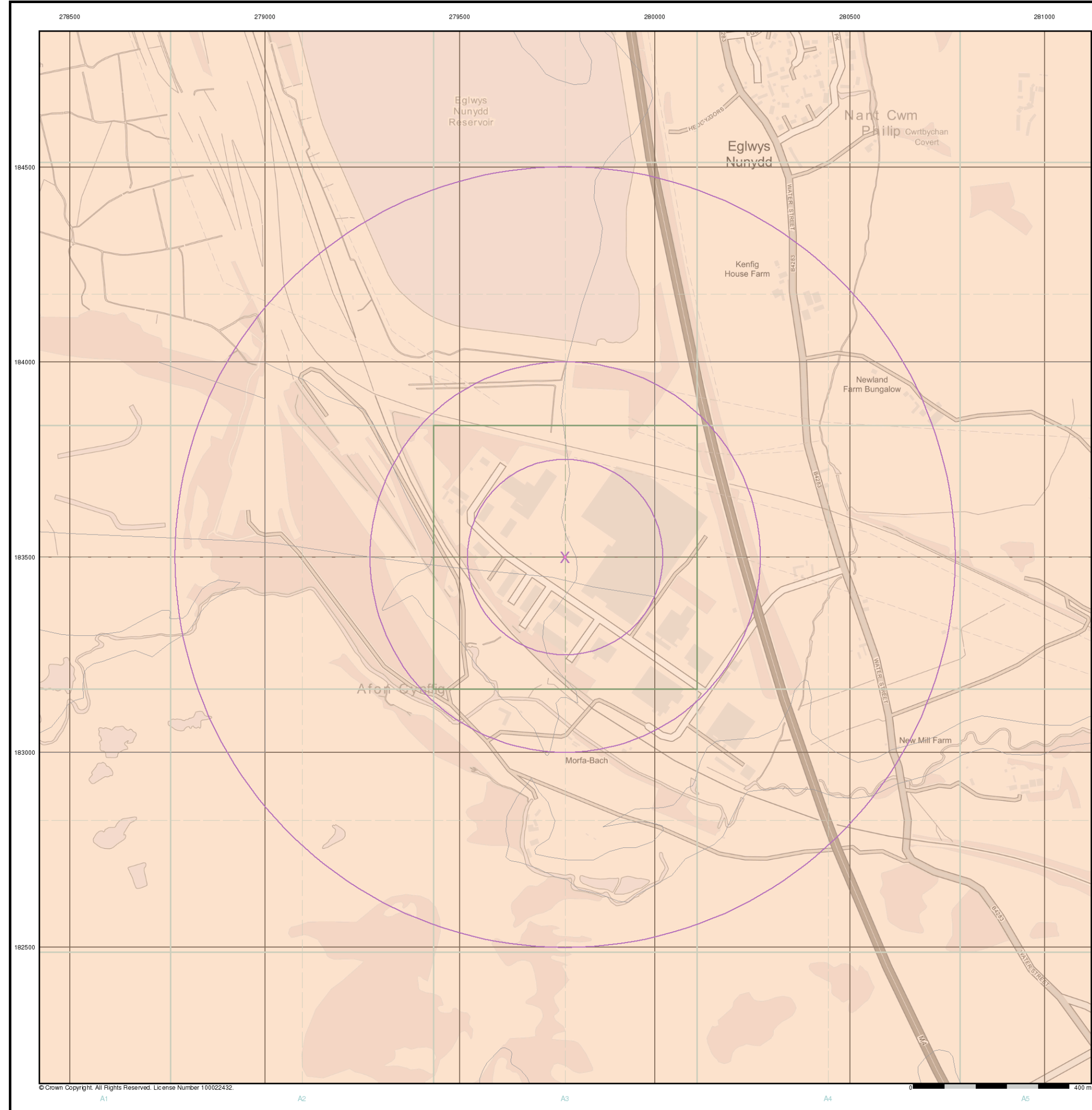
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Customer Ref: 16976
National Grid Reference: 279770, 183500
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

Site at 279770, 183500



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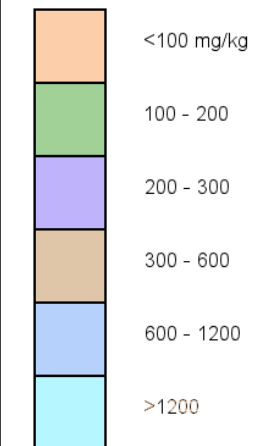


General

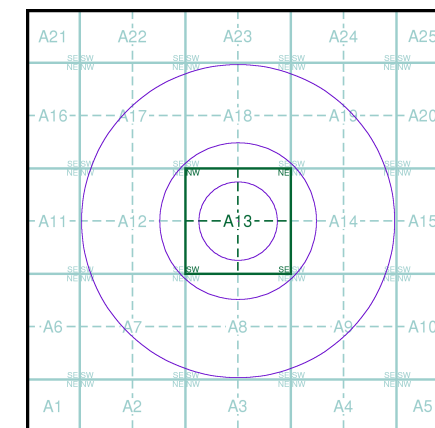
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A

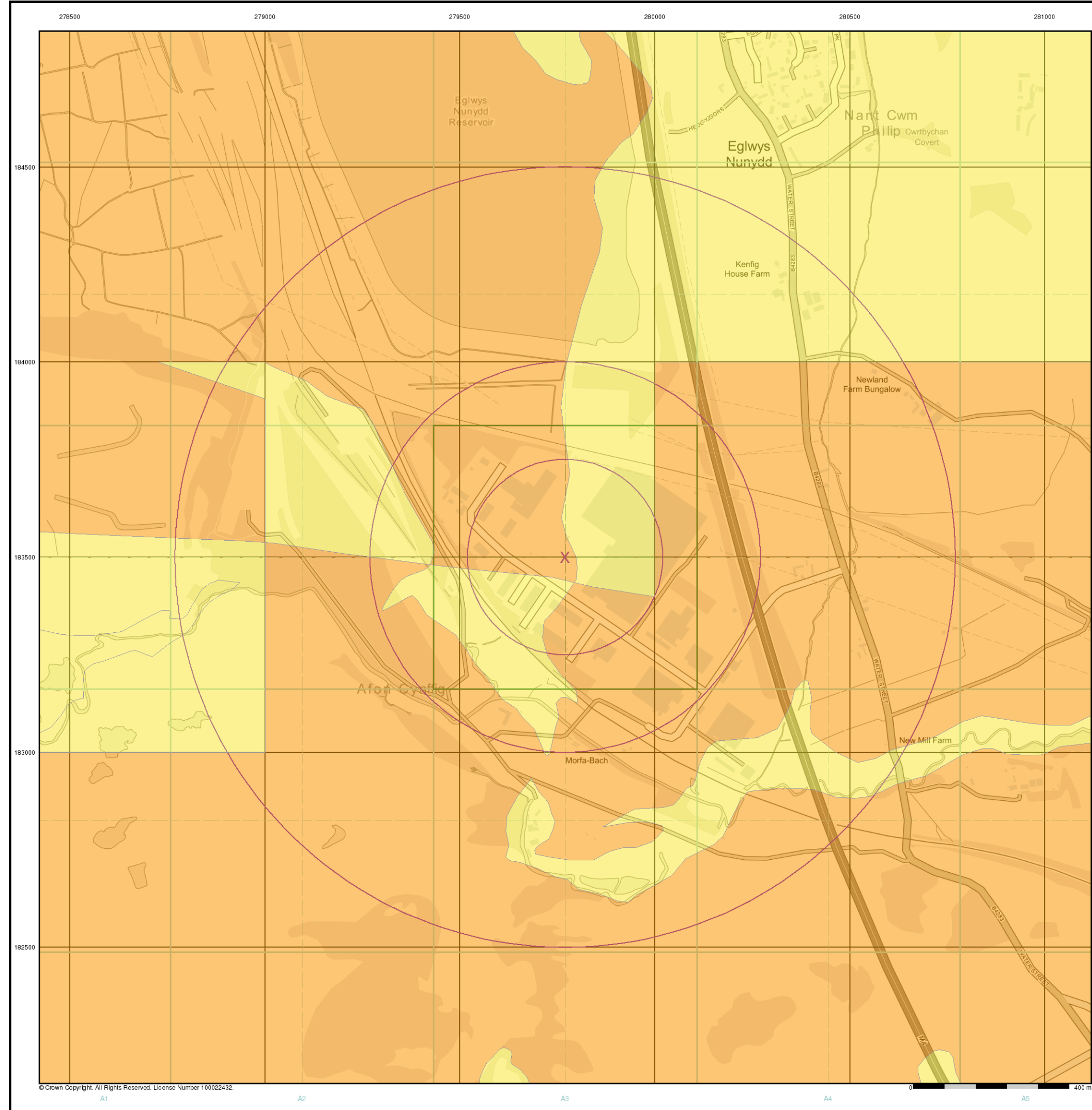


Order Details

Order Details: 288727065_1_1
Customer Ref: 16976
National Grid Reference: 279770, 183500
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

Site at 279770, 183500



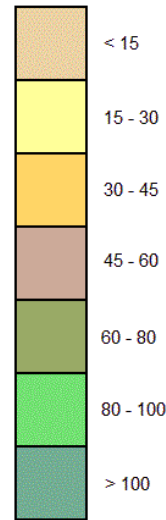
Geotechnical & Geoenvironmental Specialists

General

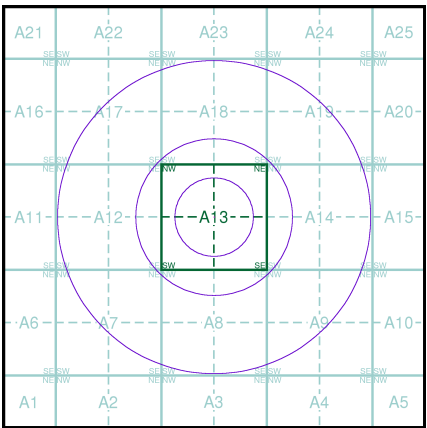
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A



Order Details

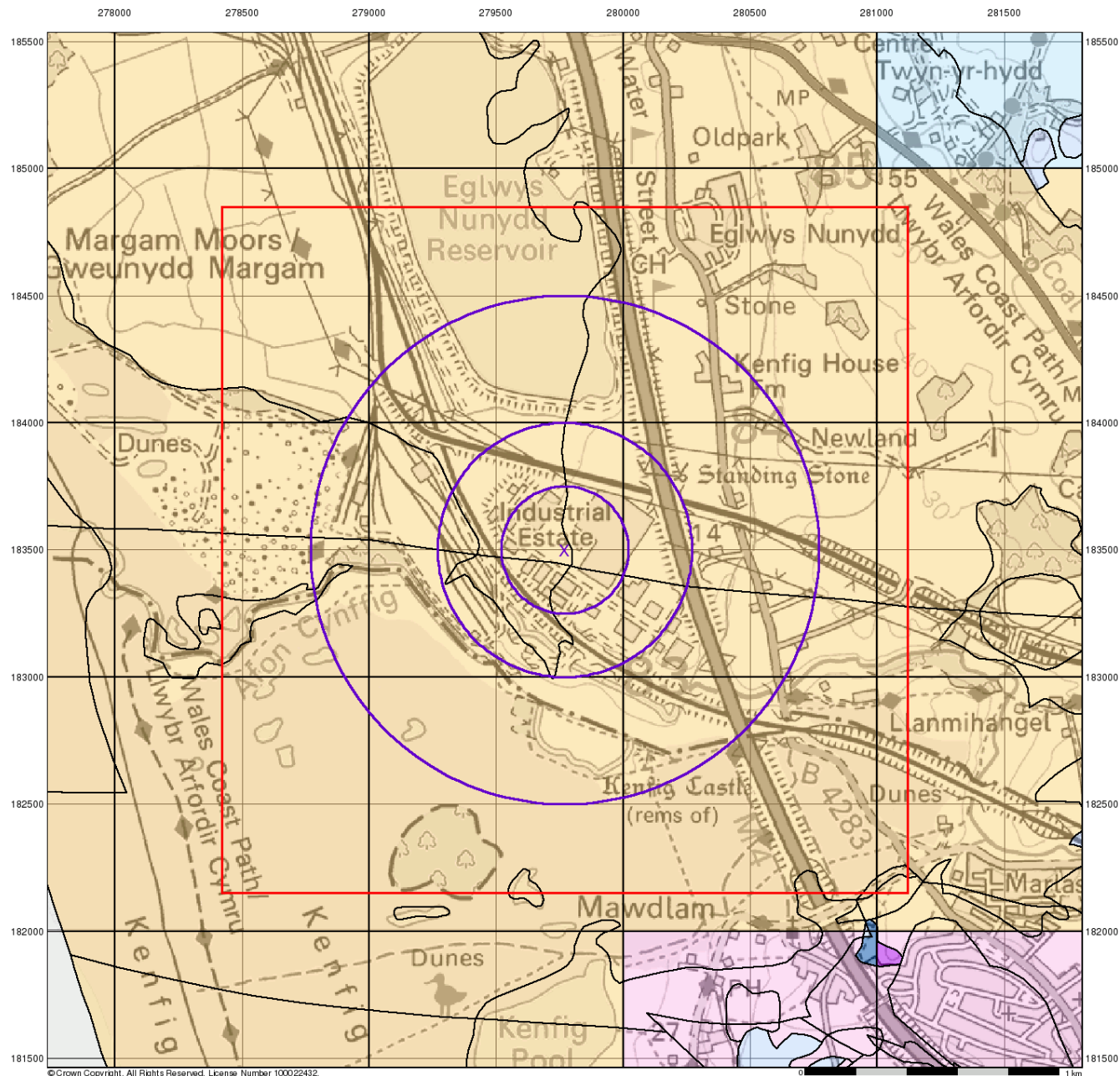
Order Details: 288727065_1_1
Customer Ref: 16976
National Grid Reference: 279770, 183500
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

Site at 279770, 183500



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Groundwater Vulnerability

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Bedrock Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

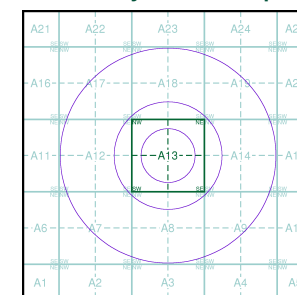
Superficial Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice A



Order Details

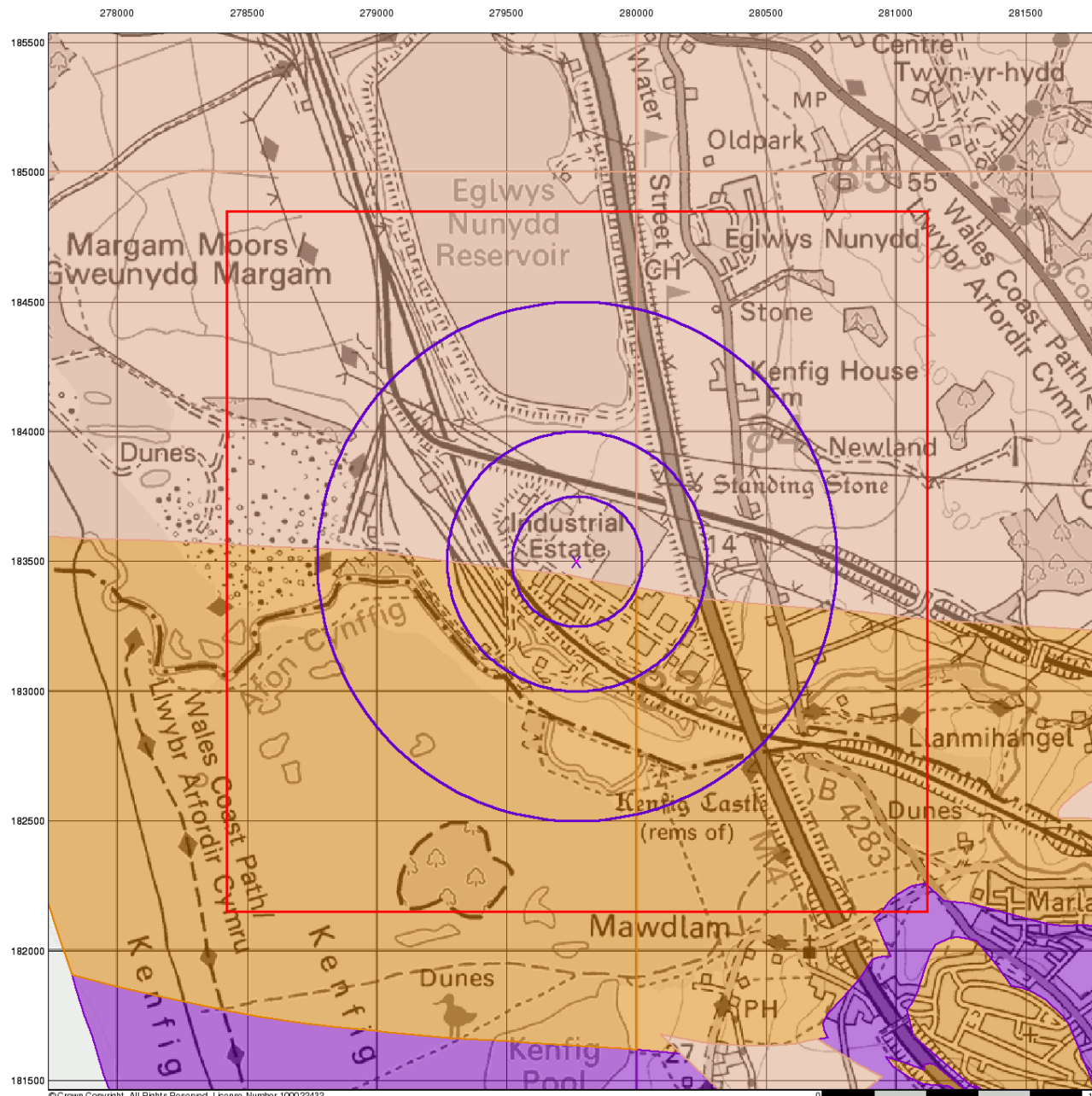
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 Customer Ref: 16976
 National Grid Reference: 279770, 183500
 Slice: A
 Site Area (Ha): 0.01
 Search Buffer (m): 1000

Site Details

Site at 279770, 183500

Landmark
 INFORMATION GROUP

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0 1 km



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Bedrock Aquifer Designation

General

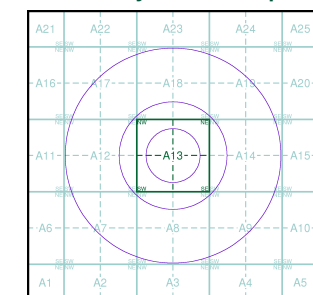
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



Order Details

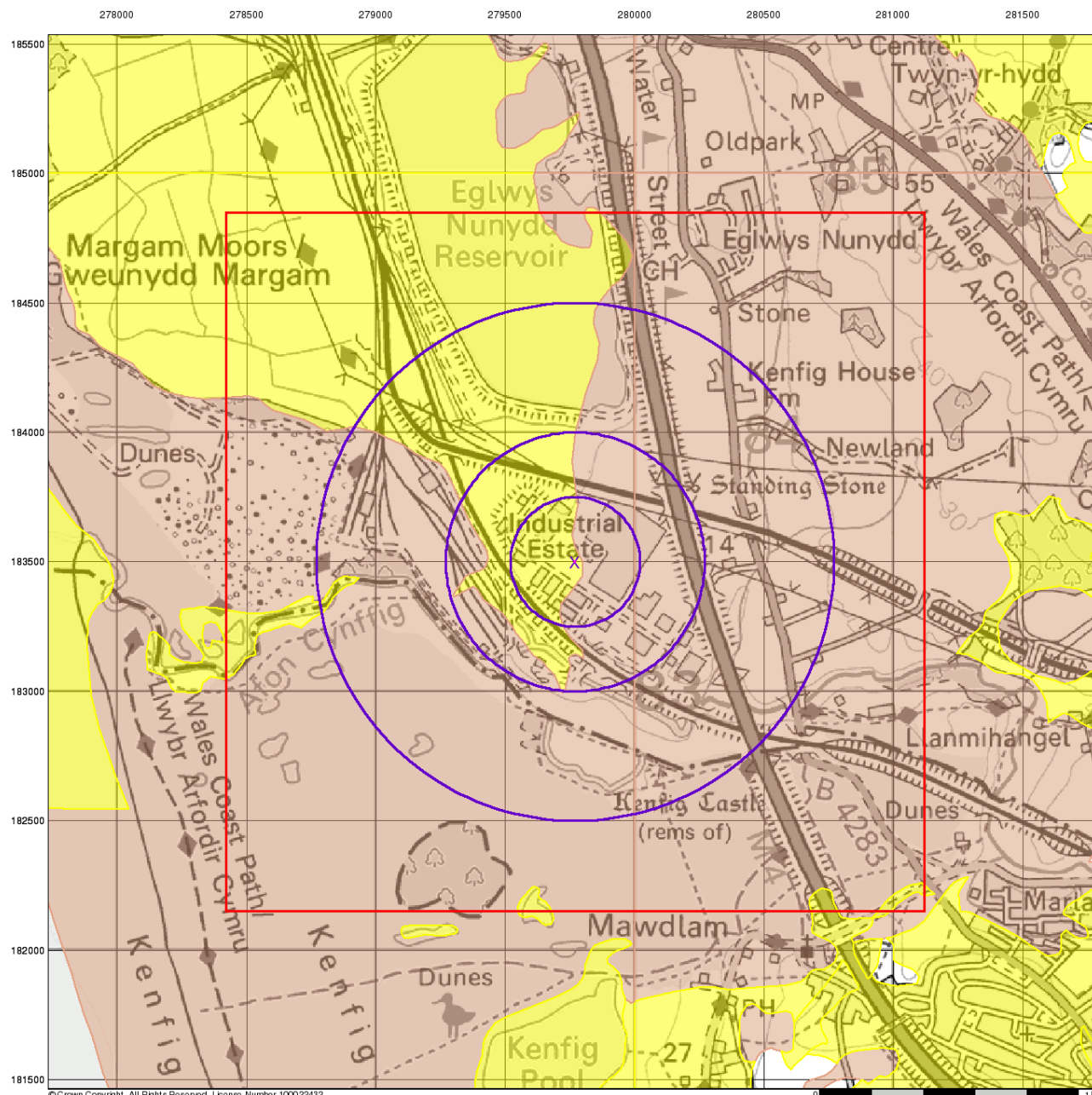
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 Customer Ref: 16976
 National Grid Reference: 279770, 183500
 Slice: A
 Site Area (Ha): 0.01
 Search Buffer (m): 1000

Site Details

Site at 279770, 183500



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Superficial Aquifer Designation

General

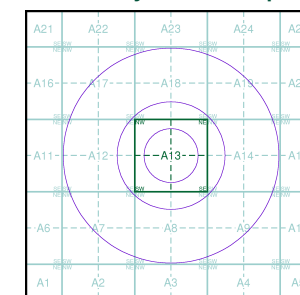
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



Order Details

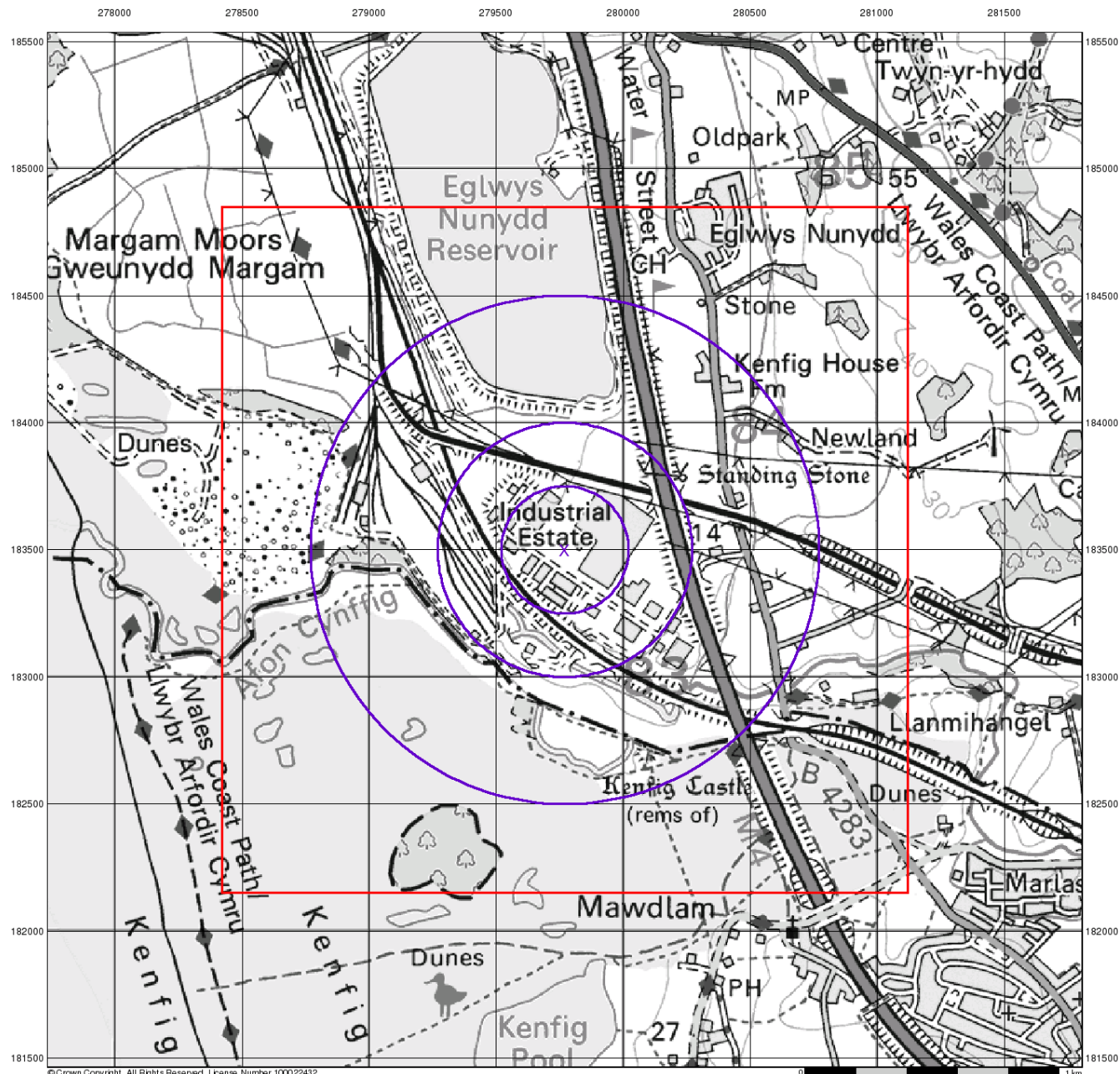
Order Number: 288727065_1_1
 Customer Ref: 16976
 National Grid Reference: 279770, 183500
 Slice: A
 Site Area (Ha): 0.01
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Site Details

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Source Protection Zones

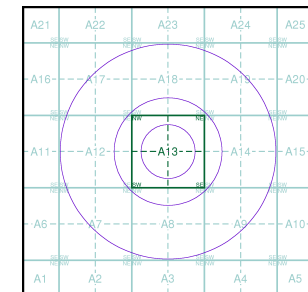
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

Site Sensitivity Context Map - Slice A



Order Details

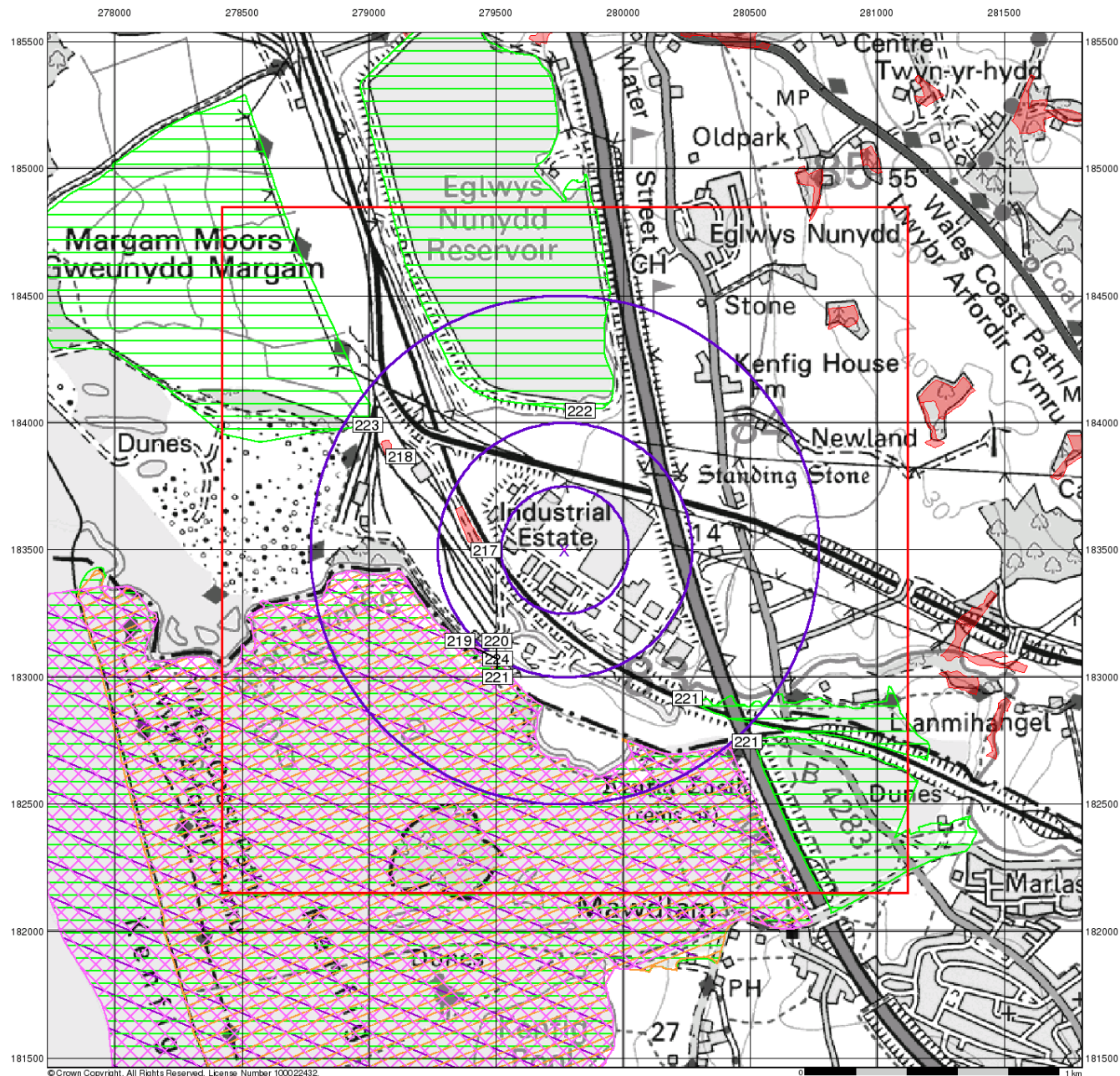
Order Number: 288727065_1_1
 Customer Ref: 16976
 National Grid Reference: 279770, 183500
 Slice: A
 Site Area (Ha): 0.01
 Search Buffer (m): 1000

Site Details

Site at 279770, 183500



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Sensitive Land Uses

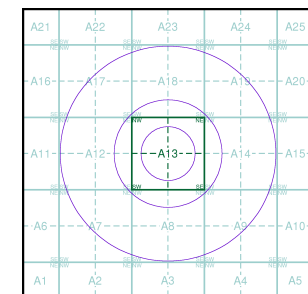
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

Site Sensitivity Context Map - Slice A



Order Details

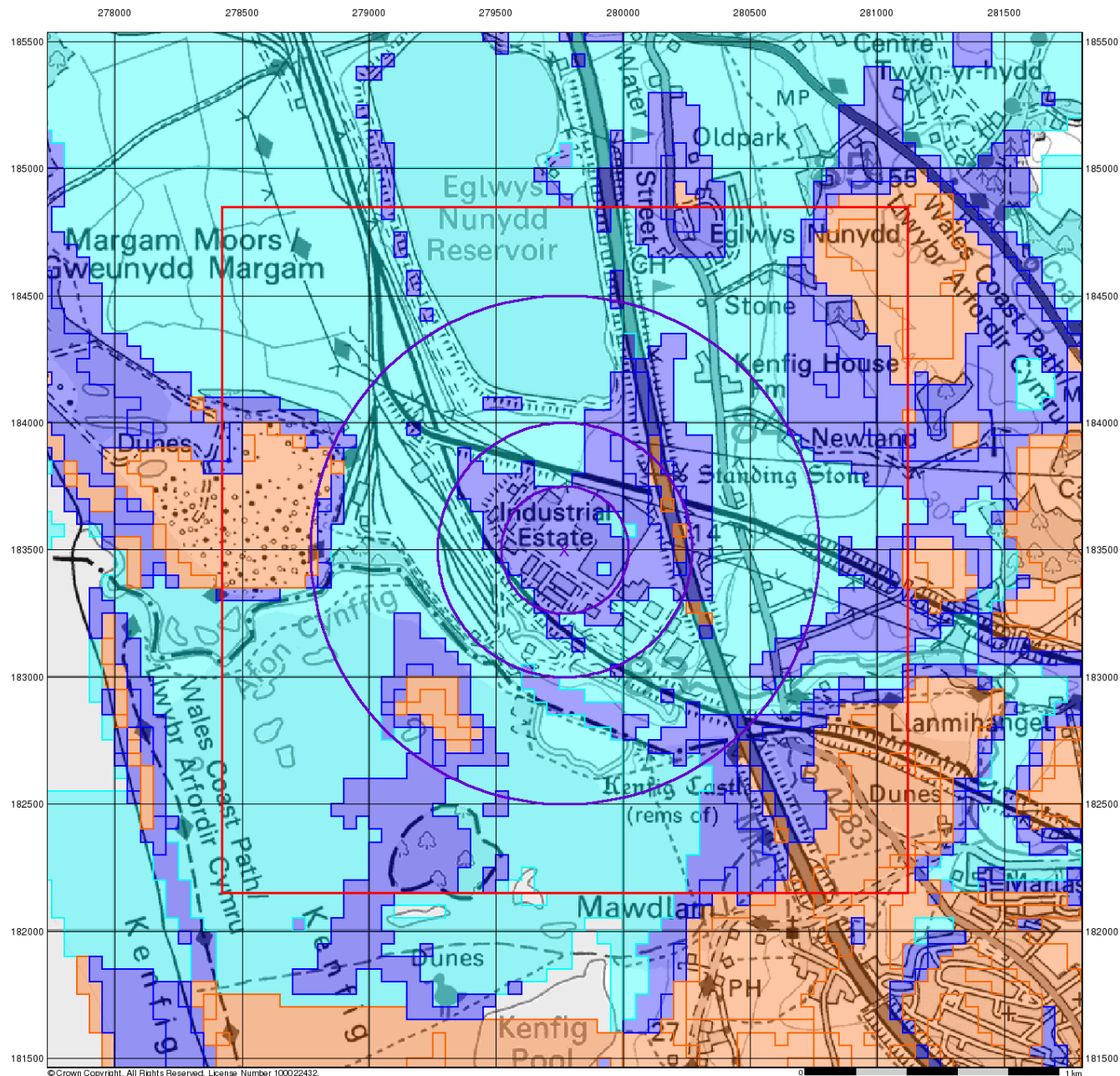
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 Customer Ref: 16976
 National Grid Reference: 279770, 183500
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 Site Area (Ha): 0.01
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Site Details

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BGS Flood GFS Data

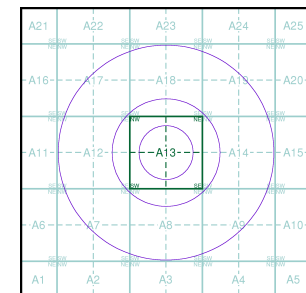
General

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

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 288727065_1_1
 Customer Ref: 16976
 National Grid Reference: 279770, 183500
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Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

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

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	TFD	Tidal Flat Deposits	Clay, Silt and Sand	Not Supplied - Holocene
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	GFDUD	Glaciofluvial Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	TILLD	Till, Devensian	Diamicton	Not Supplied - Devensian
	BSA	Blown Sand	Sand	Not Supplied - Quaternary
	LDE	Lacustrine Deposits	Clay, Silt and Sand	Not Supplied - Quaternary
	HEAD	Head	Clay, Silt, Sand and Gravel	Not Supplied - Quaternary
	MBD	Marine Beach Deposits	Sand and Gravel	Not Supplied - Quaternary
	STOB	Storm Beach Deposits	Gravel	Not Supplied - Quaternary
	RSBD	Raised Storm Beach Deposits	Sand and Gravel	Not Supplied - Quaternary
	MBD	Marine Beach Deposits	Sand	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	PNMF	Penarth Group (Marginal Facies)	Sandstone	Not Supplied - Rhaetian
	BAN	Blue Anchor Formation	Mudstone	Not Supplied - Norian
	MMG	Mercia Mudstone Group	Mudstone	Not Supplied - Early Triassic
	MMG	Mercia Mudstone Group	Mudstone, Siltstone and Sandstone	Not Supplied - Early Triassic
	MMMF	Mercia Mudstone Group (Marginal Facies)	Conglomerate	Not Supplied - Triassic

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	SWMCM	South Wales Middle Coal Measures Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	SWLCM	South Wales Lower Coal Measures Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	OB	Oystermouth Formation	Limestone and Mudstone, Interbedded	Not Supplied - Visian
	OHL	Oxwich Head Limestone Formation	Limestone	Not Supplied - Visian
		Faults		
		Rock Segments		



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Geology 1:50,000 Maps

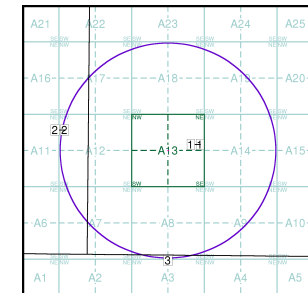
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published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

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

Geology 1:50,000 Maps Coverage

Map ID:	2	Map ID:	1
Map Sheet No:	247	Map Sheet No:	248
Map Name:	Swansea	Map Name:	Pontypridd
Map Date:	2011	Map Date:	1960
Bedrock Geology:	Available	Bedrock Geology:	Available
Superficial Geology:	Available	Superficial Geology:	Available
Artificial Geology:	Available	Artificial Geology:	Available
Faults:	Not Supplied	Faults:	Not Supplied
Landslip:	Available	Landslip:	Available
Rock Segments:	Not Supplied	Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice A



Order Details:

Order Number:	288727065_1_1
Customer Reference:	16976
National Grid Reference:	279770, 183500
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Search Buffer (m):	1000

Site Details:

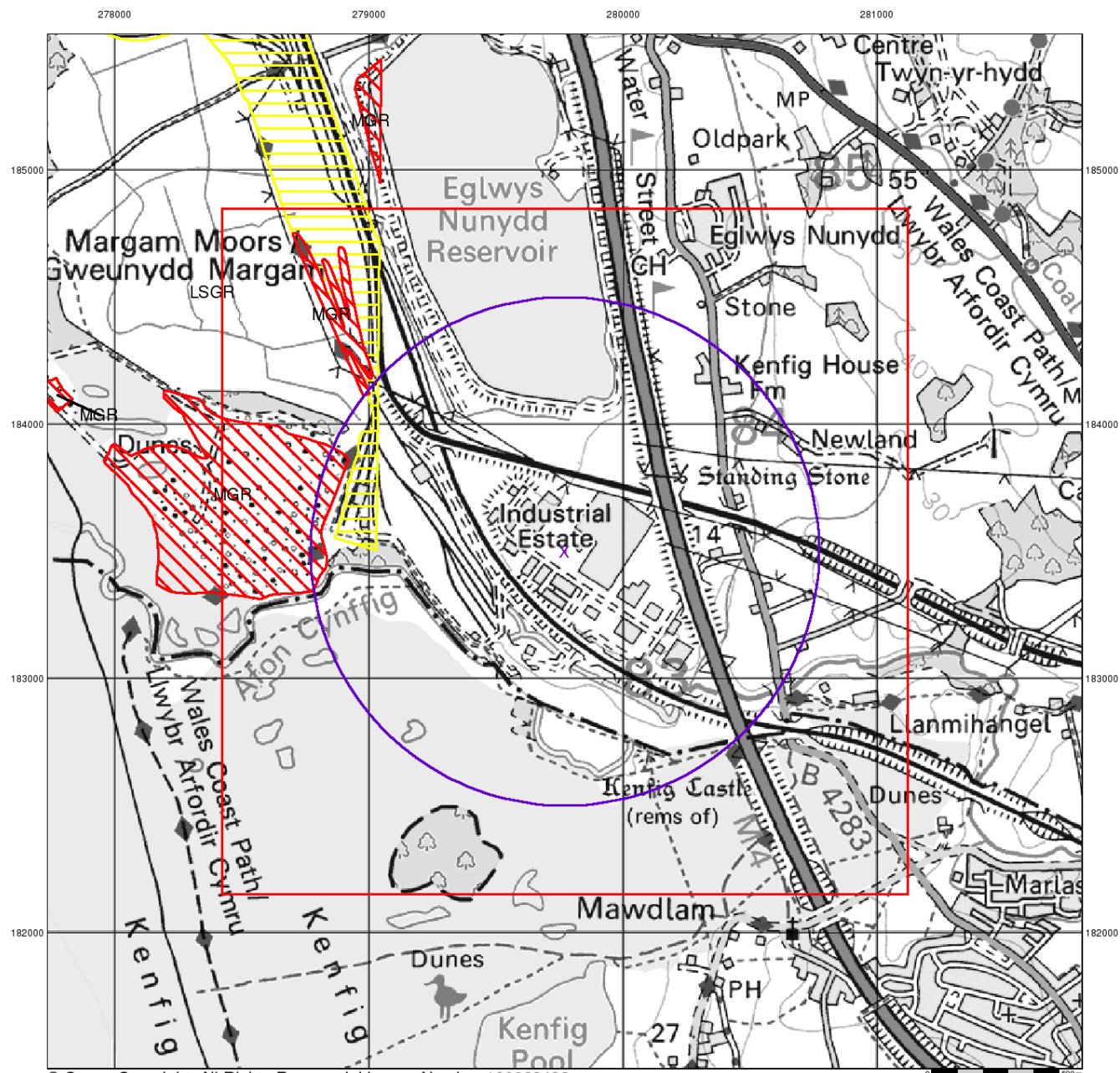
Site at 279770, 183500

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Artificial Ground and Landslip

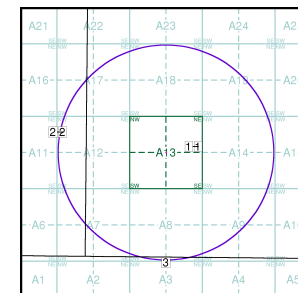
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

Artificial Ground and Landslip Map - Slice A



Order Details:

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Site Details:

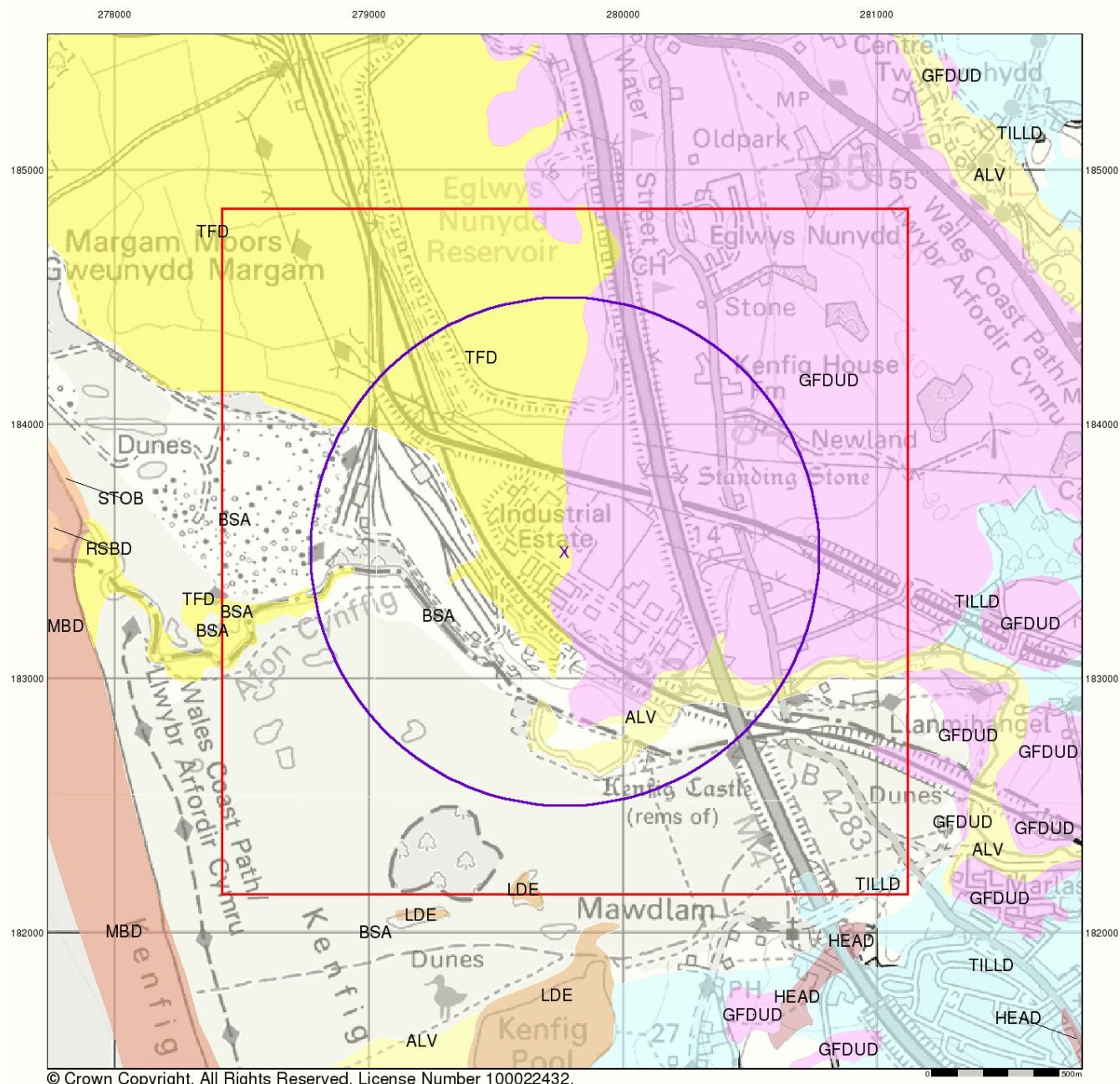
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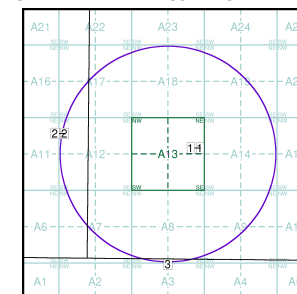
Superficial Geology

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

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

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

Superficial Geology Map - Slice A



Order Details:

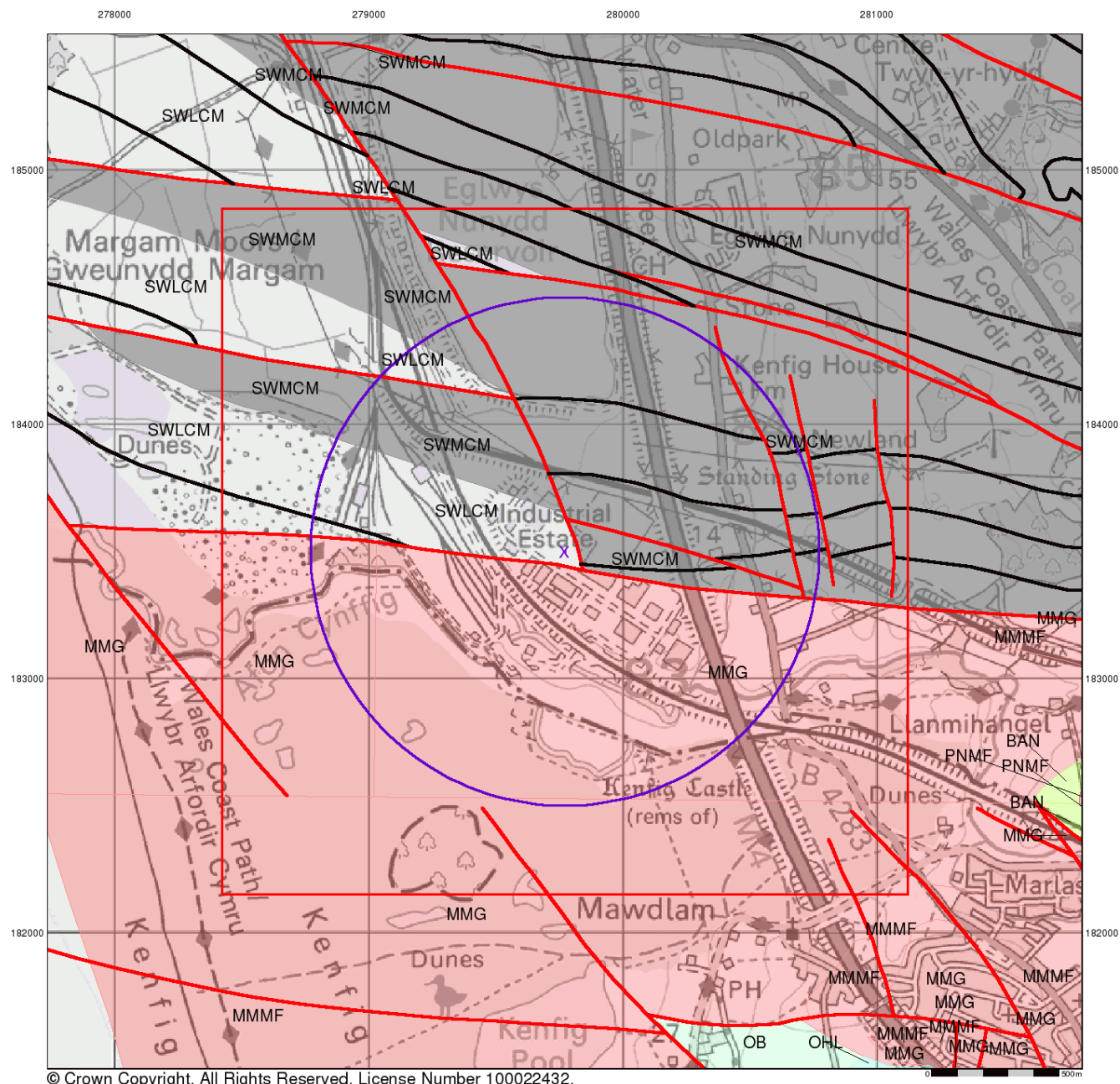
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Bedrock and Faults

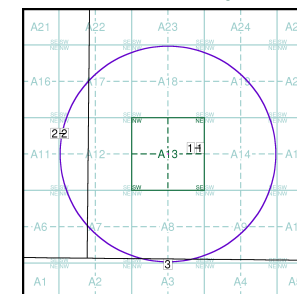
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

Bedrock and Faults Map - Slice A



Order Details:

Order Number: 288727065_1_1
 Customer Reference: 16976
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 Site Area (Ha): 0.01
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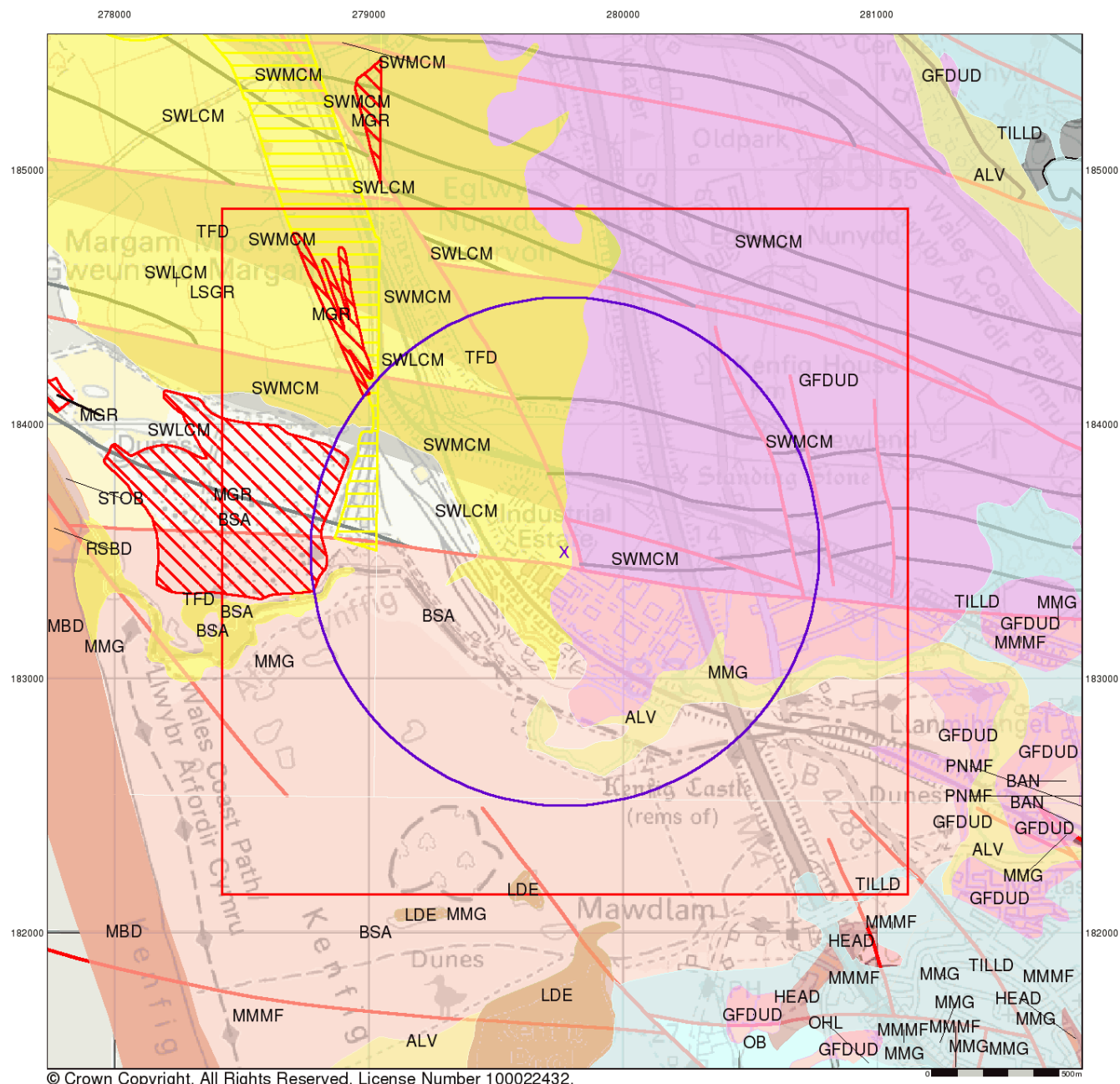
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Combined Surface Geology

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

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

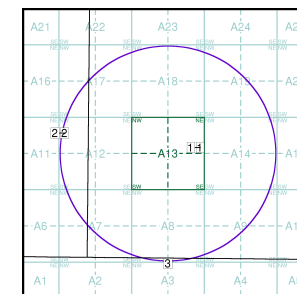
Additional Information

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

Contact

British Geological Survey
Kingsley Dunham Centre
Keyworth
Nottingham
NG12 5GG
Telephone: 0115 936 3143
Fax: 0115 936 3276
email: enquiries@bgs.ac.uk
website: www.bgs.ac.uk

Combined Geology Map - Slice A



Order Details:

Order Number: 288727065_1_1
Customer Reference: 16976
National Grid Reference: 279770, 183500
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details:

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ANNEX B
Risk Assessment Definitions

The contaminated land regime is set out in Part 2A of the Environmental Protection Act (EPA) 1990 and was introduced on the 1st April 2000 in England and 1st July 2001 in Wales. A similar regime was introduced in Scotland on 14th July 2000.

Part 2A was introduced to achieve three overarching objectives:

- (a) To identify and remove unacceptable risks to human health and the environment.
- (b) To seek to ensure that contaminated land is made suitable for its current use.
- (c) To ensure that the burdens faced by individuals, companies and society as a whole are proportionate, manageable and compatible with the principles of sustainable development.

Under Part 2A the statutory definition of 'contaminated land' is:

"any land which appears to the local authority in whose area it is situated, to be in such a condition, by reason of substances in, on, or under the land, that:

- (a) Significant harm is being caused or there is a significant possibility of such harm being caused; or
- (b) Pollution of controlled waters is being, or is likely to be, caused."

Under Part 2A, for land to be classified as 'Contaminated Land' there must be one or more contaminant, pathway, receptor linkages, known as the '**Pollutant Linkage**'. A pollutant linkage requires three essential elements:

- (a) A **CONTAMINANT** (SOURCE) – a substance that is in, on or under the land and has the potential to cause harm or to cause pollution of controlled waters.
- (b) A **RECEPTOR** – something which could be adversely affected by a contaminant.
- (c) A **PATHWAY** – a route by which a receptor is or might be exposed to or affected by a contaminant.

The term 'Risk' is widely used in different contexts and situations, but a prescriptive definition is given by the Guidelines for Environmental Risk Assessment and Management (DEFRA *et al*, 2000):

'Risk is a combination of the probability, or frequency, of occurrence of a defined hazard and the magnitude of the consequences of the occurrence'.

Model Procedures for the Management of Land Contamination – Contamination Land Report 11 (2004) defines a 'Hazard' as

'a property or situation that in particular circumstances could lead to harm'.

A framework for qualitative risk assessment is provided in CIRIA publication C552 Contaminated Land Risk Assessment – A Guide to Good Practice (2001). The method requires an assessment of the magnitude of the probability of the risk occurring and the magnitude of the potential consequence. Classifications of consequences and probability, levels and descriptions of risk have been devised from the above publication and are defined in the following sections.

Classification of Consequence

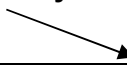
Table A Classification of Consequence	
Classification	Definition
Severe	• Short term (acute) risk to human health likely to result in significant harm • Short term risk to controlled waters • Catastrophic damage to buildings/structures • Short term risk to an ecosystem or organism within the particular ecosystem
Medium	• Chronic damage to human health (long term risk) • Pollution of a sensitive water resource • A significant change in an ecosystem or organism within the ecosystem
Mild	• Pollution of non-sensitive water resources • Significant damage to buildings/structures • Damage to sensitive buildings/structure/services or the environment
Negligible	• Harm (not necessarily significant) which may result in financial loss • Non-permanent health effects to humans (easily prevented by PPE for example) • Easily repairable effects of structural (building) damage

Classification of Probability

Table B Classification of Probability	
Classification	Definition
High Likelihood	• There is a complete pollution linkage and an event appears very likely to occur in the short term and is inevitable in the long term. • Evidence of harm to the receptor
Likely	• There is a complete pollution linkage which means that it is probable that an event will occur • The event is not inevitable but possible in short term and likely in the long term
Low Likelihood	• There is a complete pollution linkage and circumstances are possible under which an event could occur • It is not certain that an event will occur in the long term, and it is less likely to occur in the short term
Unlikely	• There is a complete pollution linkage but circumstances are such that it is improbable that an event would occur even in the long term

Risk Assessment Matrix

By comparing the consequences of a risk and the probability of the risk of a pollution linkage, the likely risk category can be determined as shown in **Table C** below.

Table C Risk Assessment Matrix					
Increasing acceptability 		Consequence			
		Severe	Medium	Mild	Negligible
Probability	High Likelihood	High risk	High risk	Medium risk	Low risk
	Likely	High risk	Medium risk	Low risk	Near zero risk
	Low Likelihood	Medium risk	Low risk	Low risk	Near zero risk
	Unlikely	Low risk	Near zero risk	Near zero risk	Near zero risk

Description of Risks and Likely Actions

High Risk

There is a high probability that severe harm could arise to a receptor, or there is evidence that a receptor is currently being severely harmed. The risk if realised is likely to result in liability, and urgent investigation or remediation will be required.

Medium Risk

It is probable that harm will arise to a receptor. However, it is relatively unlikely that such harm would be severe, or if harm does occur the harm is likely to be relatively mild. Investigation will be required to determine the liability, and some remedial works may be required in the long term.

Low Risk

It is possible that harm may arise to a receptor, but it is likely that the harm would be mild.

Near Zero Risk

There is a very low risk of harm to the receptor. In the event of harm being realised the harm is not likely to be severe.

ANNEX C
Coal Authority Report



The Coal
Authority

CON29M

coal mining report

KENFIG INDUSTRIAL ESTATE, NEATH PORT TALBOT



Known or potential coal mining risks

Past underground coal mining	Page 4
Future underground coal mining	Page 4
Mine entries	Page 5



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. In view of the coal mining circumstances we would recommend that any planned or future development should follow detailed technical advice before beginning work on site. Please see **page 3** for further details on **Future development**.

Your reference: **288727065_2**
Our reference: **51002774251001**
Date: **9 December 2021**

Client name:
NLIS Hub

If you require any further assistance please
contact our experts on:
0345 762 6848
groundstability@coal.gov.uk

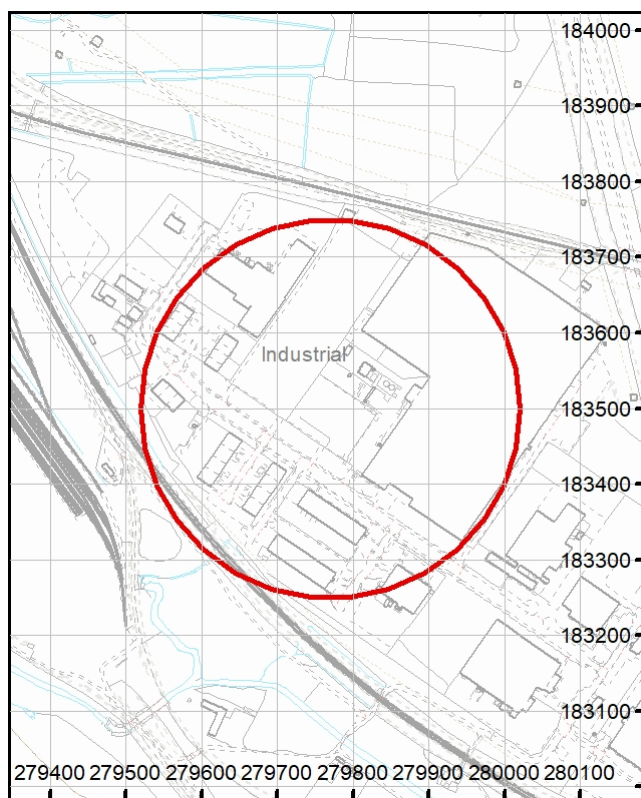


The Law
Society

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 0345 762 6848 or email communications@coal.gov.uk.

Professional opinion



Future development

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

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



Site investigations

The following site investigation(s) took place in the location area:

A site investigation was carried out in November 2012 by card Geotechnics Limited., Windsor House, Cornwall Road, Harrogate HG1 2PW.

Additional information regarding these investigations may be available from the company or companies listed above.

Detailed findings

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

The Coal Authority owns the copyright in this report and the information used to produce this report is protected by our database rights. All rights are reserved and unauthorised use is prohibited. If we provide a report for you, this does not mean that copyright and any other rights will pass to you. However, you can use the report for your own purposes.

1 Past underground coal mining

The property is in a surface area that could be affected by underground mining in 1 seam of coal at 60m to 80m depth, and last worked in 1938.

Any movement in the ground due to coal mining activity associated with these workings should have stopped by now.

In addition the property is in an area where the Coal Authority believes there is coal at or close to the surface. This coal may have been worked at some time in the past. The potential presence of coal workings at or close to the surface should be considered, particularly prior to any site works or future development activity, as ground movement could still be a risk. Your attention is drawn to the Professional opinion sections of the report.

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.

This information is based on the information that the Coal Authority has at the time of this enquiry.

Based on the Coal Authority's knowledge of the mining circumstances at the time of this enquiry, there may be unrecorded mine entries in the local area that do not appear on Coal Authority records.

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 **01623 646 333**. 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

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

**ANNEX D
Borehole Logs**

 Tel: 02920 735354 info@terrafirmawales.co.uk www.terrafirmawales.co.uk Borehole Log Borehole No. BH01 Sheet 1 of 2									
Project Name: Kenfig Industrial Estate			Project No: 16976	Co-ords:	Hole Type RO				
Location: Kenfig Industrial Estate			Level:		Scale 1:100				
Client:			Dates: 07/11/2022 - 08/11/2022		Logged By				
Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.30				MADE GROUND: Grey sandy GRAVEL. Gravel is angular fine to coarse of limestone (Type 1)	1
	1.20	SPT	N=37 (25 for 105mm/13,10,7,7)					Stiff grey slightly sandy slightly gravelly CLAY with low cobble content and occasional boulder.	2
	2.70	SPT	50 (25 for 30mm/50 for 40mm)						3
	4.20	SPT	N=36 (12,10/8,8,10,10)						4
	5.70	SPT	N=46 (9,11/11,11,13,11)	6.00					5
	7.20	SPT	N=43 (3,12/11,9,12,11)					Very dense to dense brown SAND and GRAVEL	6
	8.70	SPT	N=23 (6,6/7,5,5,6)						7
									8
									9
									10
	11.70	SPT	N=39 (8,10/9,9,10,11)						11
									12
	13.20	SPT	N=43 (2,6/10,10,11,12)						13
									14
									15
									16
									17
	17.70	SPT	N=43 (4,7/7,11,13,12)						18
									19
									20
Remarks: 1. Borehole cased to 25.20m. 2. Groundwater encountered at 4.20m. 3. Borehole terminated upon encountering bedrock. 4. Borehole backfilled with arisings.									

Borehole Log

Borehole No.

BH01

Sheet 2 of 2

Project Name: Kenfig Industrial Estate

Project No:
16976

Co-ords:

Hole Type
RO

Location: Kenfig Industrial Estate

Level:

Scale
1:100

Client:

Dates: 07/11/2022 - 08/11/2022

Logged By

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
								Very dense to dense brown SAND and GRAVEL	21
				22.20				Stiff grey slightly sandy slightly gravelly CLAY.	22
									23
									24
	25.20	SPT	50 (6,10/50 for 285mm)						25
				26.00					26
								SILTSTONE	26
	27.00	SPT	50 (6,7/50 for 275mm)	27.00				End of Borehole at 27.000m	27
									28
									29
									30
									31
									32
									33
									34
									35
									36
									37
									38
									39
									40

Remarks: 1. Borehole cased to 25.20m. 2. Groundwater encountered at 4.20m. 3. Borehole terminated upon encountering bedrock. 4. Borehole backfilled with arisings.

Borehole Log

Borehole No.

WS01

Sheet 1 of 1

Project Name: Kenfig Industrial Estate

Project No:
16976

Co-ords:

Hole Type
WS

Location: Kenfig Industrial Estate

Level:

Scale
1:50

Client:

Dates: 25/10/2022 - 25/10/2022

Logged By

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.25				MADE GROUND: Grey sandy GRAVEL. Gravel is angular fine to coarse of limestone (Type 1)	
				0.55				MADE GROUND: Brown gravelly SAND. Gravel is angular to subrounded fine to coarse including glass, concrete and sandstone	
	1.20	SPT	N=13 (5,4/3,3,3,4)					Firm becoming stiff brown mottled grey and orangish brown slightly sandy slightly gravelly CLAY. Gravel is angular to subrounded fine to coarse of sandstone. <i>Water seepage</i>	1
	2.00	SPT	N=21 (6,4/5,4,6,6)					<i>Strata becomes stiff</i>	2
	2.60	SPT	50 (25 for 10mm/50 for 10mm)	2.60				<i>Strata becomes very stiff</i>	
								End of Borehole at 2.600m	3
									4
									5
									6
									7
									8
									9
									10

Remarks: 1. No groundwater encountered, but water seepage was seen at 1.00m. 2. Borehole terminated at SPT refusal. 3. Borehole backfilled with arisings.

Borehole Log

Borehole No.

WS02

Sheet 1 of 1

Project Name: Kenfig Industrial Estate

Project No:
16976

Co-ords:

Hole Type
WS

Location: Kenfig Industrial Estate

Level:

Scale
1:50

Client:

Dates: 25/10/2022 - 25/10/2022

Logged By

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.15 0.30				MADE GROUND: Grey sandy GRAVEL. Gravel is angular fine to coarse of limestone (Type 1)	
								MADE GROUND: Brown gravelly SAND. Gravel is angular to subrounded fine to coarse including tile, brick and sandstone	
	0.90	SPT	50 (8,9/50 for 265mm)	0.90				Dense light brown clayey gravelly SAND with low cobble content. Gravel is angular to rounded fine to coarse of sandstone. Cobbles are subrounded of sandstone.	1
								<i>Black terram</i>	
								End of Borehole at 0.900m	
									2
									3
									4
									5
									6
									7
									8
									9
									10

Remarks: 1. No groundwater encountered. 2. Borehole terminated at SPT refusal. 3. Borehole backfilled with arisings.

Borehole Log

Borehole No.

WS03

Sheet 1 of 1

Project Name: Kenfig Industrial Estate

Project No:
16976

Co-ords:

Hole Type
WS

Location: Kenfig Industrial Estate

Level:

Scale
1:50

Client:

Dates: 25/10/2022 - 25/10/2022

Logged By

Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Well	Legend	Stratum Description	
	Depth (m)	Type	Results						
				0.20 0.35 0.55				MADE GROUND: Grey sandy GRAVEL. Gravel is angular fine to coarse of limestone (Type 1) MADE GROUND: Brown gravelly SAND. Gravel is angular to subrounded fine to coarse including concrete and sandstone MADE GROUND: Dense greyish brown sandy GRAVEL. Gravel is angular fine to coarse of limestone.	
	1.20	SPT	N=33 (9,8/8,10,8,7)					Black terram Firm brown mottled grey and orangish brown slightly sandy slightly gravelly CLAY. Gravel is angular to subrounded fine to coarse of sandstone and coal.	1
	2.00	SPT	N=13 (3,3/3,3,3,4)						2
	3.00	SPT	N=6 (2,1/2,1,2,1)	2.80				Soft dark grey silty slightly gravelly CLAY. Gravel is angular to rounded fine to medium of sandstone and coal.	3
	4.00	SPT	50 (6,13/50 for 245mm)	3.70 4.00				Dense light brown sandy GRAVEL. Gravel is subangular to rounded fine to coarse of sandstone.	4
								End of Borehole at 4.000m	4
									5
									6
									7
									8
									9
									10

Remarks: 1. No groundwater encountered. 2. Borehole terminated at SPT refusal. 3. Borehole backfilled with arisings.

ANNEX E
Laboratory Soil Chemical Test Results



Final Report

Report No.: 22-41089-1
Initial Date of Issue: 02-Nov-2022
Client Terra Firma (Wales) Ltd
Client Address: 5 Deryn Court
Wharfedale Road
Pentwyn
Cardiff
CF23 7HA

Contact(s): Jamie Alderman

Project Kenfig Industrial Estate

Quotation No.: **Date Received:** 27-Oct-2022

Order No.: 16976 **Date Instructed:** 27-Oct-2022

No. of Samples: 3

Turnaround (Wkdays): 5 **Results Due:** 02-Nov-2022

Date Approved: 02-Nov-2022

Approved By:

Details: Stuart Henderson, Technical
Manager

Results - Soil

Project: Kenfig Industrial Estate

Client: Terra Firma (Wales) Ltd	Chemtest Job No.:				22-41089	22-41089	22-41089
Quotation No.:	Chemtest Sample ID.:				1532933	1532934	1532935
	Sample Location:				WS01	WS02	WS03
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				0.5	0.1	0.3
	Date Sampled:				25-Oct-2022	25-Oct-2022	25-Oct-2022
	Asbestos Lab:				COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD			
ACM Type	U	2192		N/A	-	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture	N	2030	%	0.020	7.2	2.6	6.7
Soil Colour	N	2040		N/A	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones	Stones	Stones
Soil Texture	N	2040		N/A	Sand	Sand	Sand
pH	M	2010		4.0	10.0	9.3	9.0
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	< 0.40	< 0.40	0.73
Cyanide (Complex)	M	2300	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Cyanide (Free)	M	2300	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Cyanide (Total)	M	2300	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Sulphate (Acid Soluble)	U	2430	%	0.010	0.096	0.044	0.075
Arsenic	M	2455	mg/kg	0.5	4.4	4.3	3.8
Beryllium	U	2455	mg/kg	0.5	< 0.5	< 0.5	< 0.5
Cadmium	M	2455	mg/kg	0.10	0.17	0.77	0.39
Chromium	M	2455	mg/kg	0.5	6.5	6.4	7.6
Mercury Low Level	M	2450	mg/kg	0.05	< 0.05	< 0.05	< 0.05
Manganese	M	2455	mg/kg	1.0	300	700	410
Molybdenum	M	2455	mg/kg	0.5	< 0.5	< 0.5	< 0.5
Antimony	N	2455	mg/kg	2.0	< 2.0	< 2.0	< 2.0
Copper	M	2455	mg/kg	0.50	5.1	4.7	7.1
Nickel	M	2455	mg/kg	0.50	5.3	5.0	4.7
Lead	M	2455	mg/kg	0.50	20	36	31
Selenium	M	2455	mg/kg	0.25	0.28	0.35	0.27
Zinc	M	2455	mg/kg	0.50	35	73	56
Chromium (Trivalent)	N	2490	mg/kg	1.0	6.5	6.4	7.6
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	< 5.0	< 5.0	< 5.0
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0

Results - Soil

Project: Kenfig Industrial Estate

Client: Terra Firma (Wales) Ltd	Chemtest Job No.:				22-41089	22-41089	22-41089
Quotation No.:	Chemtest Sample ID.:				1532933	1532934	1532935
	Sample Location:				WS01	WS02	WS03
	Sample Type:				SOIL	SOIL	SOIL
	Top Depth (m):				0.5	0.1	0.3
	Date Sampled:				25-Oct-2022	25-Oct-2022	25-Oct-2022
	Asbestos Lab:				COVENTRY	COVENTRY	COVENTRY
Determinand	Accred.	SOP	Units	LOD			
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C10-C12	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C12-C16	U	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C16-C21	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	160	< 1.0	< 1.0
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	< 1.0	< 1.0	< 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	160	< 5.0	< 5.0
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	160	< 10	< 10
Naphthalene	M	2700	mg/kg	0.10	0.29	< 0.10	0.15
Acenaphthylene	M	2700	mg/kg	0.10	0.38	< 0.10	0.37
Acenaphthene	M	2700	mg/kg	0.10	0.37	< 0.10	0.55
Fluorene	M	2700	mg/kg	0.10	0.45	< 0.10	0.68
Phenanthrene	M	2700	mg/kg	0.10	3.6	0.54	5.2
Anthracene	M	2700	mg/kg	0.10	0.97	0.22	1.3
Fluoranthene	M	2700	mg/kg	0.10	7.7	2.0	8.0
Pyrene	M	2700	mg/kg	0.10	6.9	2.1	7.1
Benzo[a]anthracene	M	2700	mg/kg	0.10	6.1	1.9	6.7
Chrysene	M	2700	mg/kg	0.10	7.5	2.6	8.2
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	9.8	4.0	10
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	3.4	1.3	3.5
Benzo[a]pyrene	M	2700	mg/kg	0.10	6.6	2.7	6.7
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	4.6	2.1	4.7
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	2.0	0.83	2.0
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	5.1	2.4	4.9
Total Of 16 PAH's	M	2700	mg/kg	2.0	66	23	70
Total Phenols	M	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10
Organic Matter BS1377	N	2930	%	0.10	1.8	1.4	2.3

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.
2450	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2455	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.
2680	TPH A/A Split	Aliphatics: >C5–C6, >C6–C8,>C8–C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Dichloromethane extraction / GCxGC FID detection
2700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.
2930	Organic Matter	Organic Matter	Acid Dichromate digestion/Titration

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com

ANNEX F
Laboratory Soil Geotechnical Test Results



Results Summary

Apex Testing Solutions Limited

Sturmi Way
Village Farm Industrial Estate
Pyle
Bridgend
CF33 6BZ

Telephone: 01656 746762

E-mail: andrew.grogan@apex-drilling.com

laura.davis@apex-drilling.com

<u>Reporting Details</u>		<u>Key Information</u>	
Company Name:	TFW Group Ltd	Site Name:	Kenfig Ind. Est.
Address:	5 Deryn Court Wharfdale Road Cardiff CF23 7HA	Job Number:	D22507
Contact Name:	Jamie	Date Received:	26/10/2022
Contact Number:	07534993565	Job Coordinator:	G. Llewellyn

Item No.	Tests Undertaken	Number of Tests
1	Atterburg Limits (4 point) - BS1377-2: 1990	2

Results Issued: 02/11/2022

Comments

Results herein relate only to samples received in the laboratory and where not sampled by Apex Testing Solutions personnel relate to the samples as received.

Where tests are UKAS accredited any Opinion and/or Interpretation expressed herein are outside the scope of the UKAS Accreditation. The reports shall not be reproduced in full without the written approval of the laboratory.

Please contact the job coordinator should any further information be required.

TEST REPORT

LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX

BS 1377:Part 2:1990. Clause 4.3/5.3/5.4

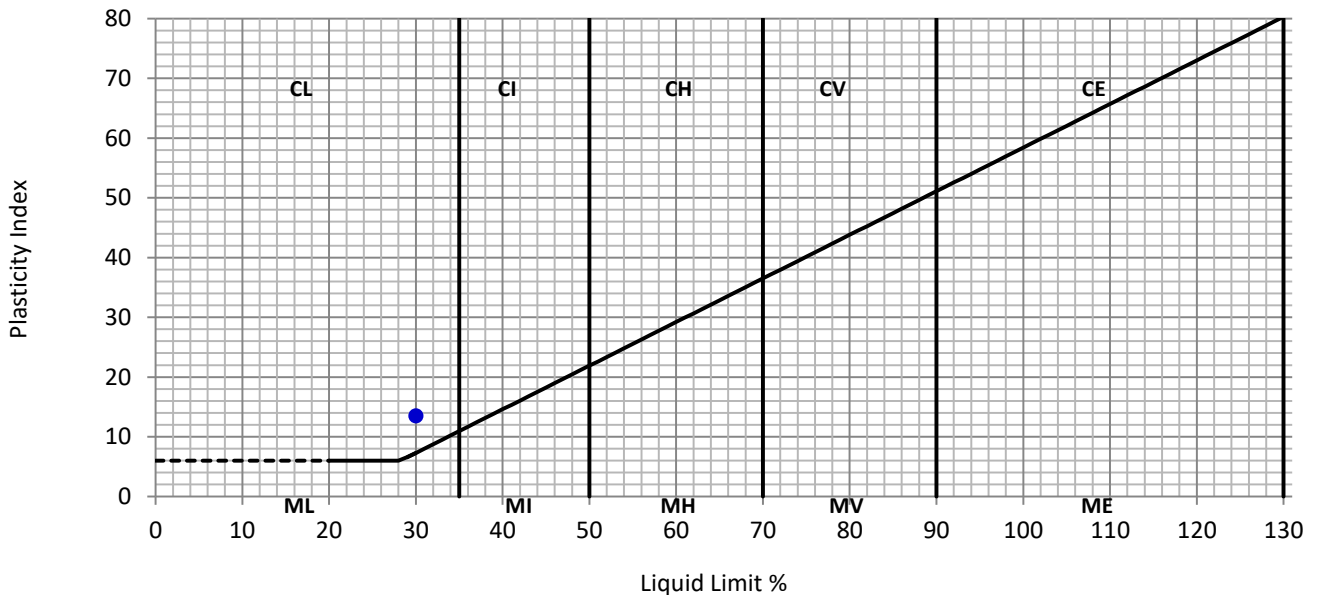
Project No:	D22507	Client:	TFW Group Ltd
Project Name:	Kenfig Industrial Estate	Address:	5 Deryn Court
ATS Sample No:	30079		Wharfdale Road
			Cardiff
			CF23 7HA

Site Ref / Hole ID:	WS01	Depth (m):	1.30 -
Sample No:		Sample Type:	Disturbed
Sampling Certificate Received:	No	Material Description:	Brownish grey slightly gravelly CLAY
Location in Works:	N/A	Material Source:	Site Generated
Date Sampled:	Unknown	Material Supplier:	Site Generated
Sampled By:	Client	Specification:	BS1377
Date Received:	26 October 2022	Date Tested:	01 November 2022

Test Results

Liquid Limit	30	%
Plastic Limit	16	%
Plasticity Index	14	%

Preparation:	4.2.4 Sieved Specimen
Proportion retained on 425µm sieve:	37 %



Remarks:

QA Ref.

BS1377 - 2
Rev. 3.0



Apex Testing Solutions

Sturmi Way, Village Farm Industrial Est, Pyle,
Bridgend, CF33 6BZ
Tel: 01656 746762 Fax: 01656 749096



7771

Approver

G Llewellyn

G Llewellyn, Senior Technician

Date

02/11/2022

Fig.

ATT

TEST REPORT

LIQUID LIMIT, PLASTIC LIMIT & PLASTICITY INDEX

BS 1377:Part 2:1990. Clause 4.3/5.3/5.4

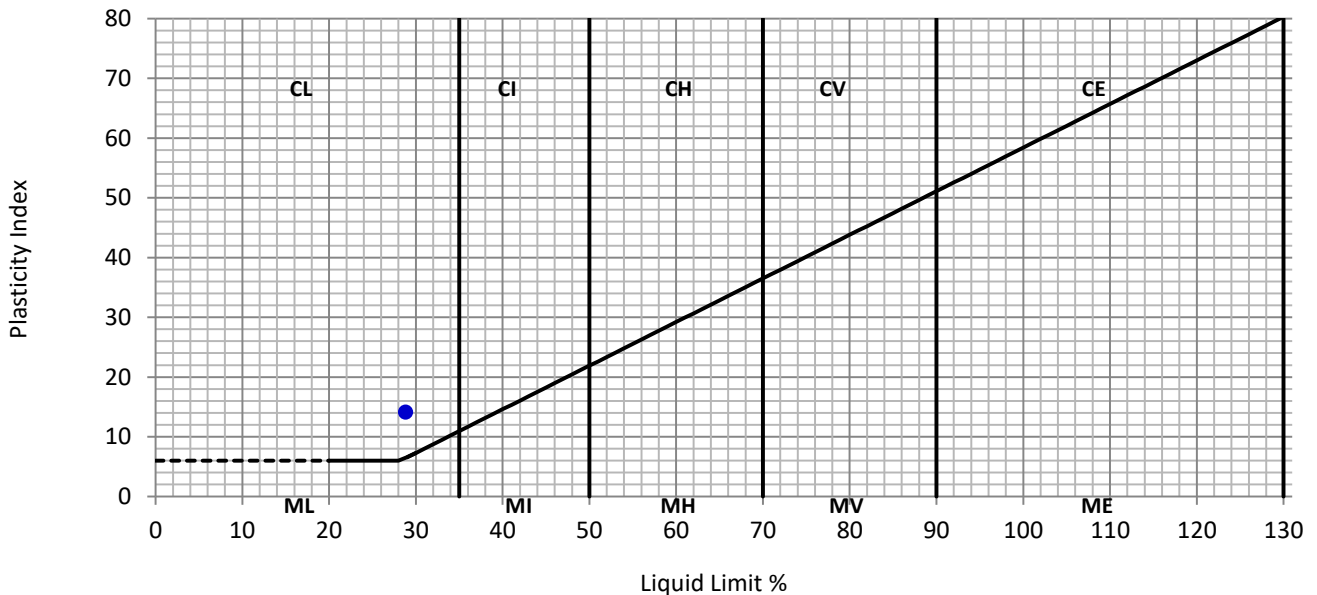
Project No: D22507 Project Name: Kenfig Industrial Estate ATS Sample No: 30080	Client: TFW Group Ltd Address: 5 Deryn Court Wharfdale Road Cardiff CF23 7HA
---	--

Site Ref / Hole ID: WS03 Sample No: Sampling Certificate Received: No Location in Works: N/A Date Sampled: Unknown Sampled By: Client Date Received: 26 October 2022	Depth (m): 1.00 - Sample Type: Disturbed Material Description: Brownish grey slightly gravelly CLAY Material Source: Site Generated Material Supplier: Site Generated Specification: BS1377 Date Tested: 01 November 2022
---	--

Test Results

Liquid Limit	29	%
Plastic Limit	15	%
Plasticity Index	14	%

Preparation:	4.2.4 Sieved Specimen
Proportion retained on 425µm sieve:	43 %



Remarks:

QA Ref.

BS1377 - 2
Rev. 3.0



Apex Testing Solutions

Sturmi Way, Village Farm Industrial Est, Pyle,
Bridgend, CF33 6BZ
Tel: 01656 746762 Fax: 01656 749096



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Approver

G Llewellyn

G Llewellyn, Senior Technician

Date

01/11/2022

Fig.

ATT

DRAWINGS



Site Name: Kenfig Industrial Estate
Project Number: 16976
Drawing Title: Borehole Layout
Drawing Number: 01
Scale: Not to scale

KEY



Rotary Borehole



Window Sample Borehole





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