

Hirwaun Ecopark

Phase 1 Environmental Desk Study

Final Report

November 2007

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ground conditions survey complete

Delivering sustainable solutions in a more competitive world



Marlborough Developments

Hirwaun Ecopark: Phase 1
Environmental Desk Study

November 2007

Prepared by: Phil Necrews

For and on behalf of
Environmental Resources Management

Approved by: Steve Matthews

Signed:



Position: Partner

Date: 14 November 2007

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Environmental Resources Management Limited
Incorporated in the United Kingdom with registration number 1014622
Registered Office: 8 Cavendish Square, London, W1G 0ER

EXECUTIVE SUMMARY

ERM have undertaken a Phase I Environmental Assessment of the proposed Ecopark development site at Hirwaun Industrial Estate, near Aberdare in South Wales.

The principal findings are:

- *The site has been subjected to historical potentially contaminative land use:*
 - *Ordnance factory during Second World War; and*
 - *Small part of the site was a former refuse tip.*
- *The quantity of in-filled material is unknown.*

ERM anticipates given the scale and time of the former operations that land contamination related issues will be minor and readily resolvable in the context of the proposed development.

Some limited site investigation, costing in the order of £20,000 should be undertaken to provide further information on the contaminant sources. If appropriately scoped this information could be used to support the Application Site Report for the Pollution Prevention and Control permit application.

It is additionally noted that the Brecon Beacons National Park Authority is in part responsible for determining planning applications for the site. Engagement of this stakeholder is required in order to progress the development.

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1 INTRODUCTION

1.1 BACKGROUND

Environmental Resources Management Limited (*ERM*) was commissioned by Marlborough Developments to undertake a Phase I environmental assessment of a development site at Hirwaun Industrial Estate.

ERM understands the Marlborough Developments require a study to be undertaken prior to the acquisition of the site from the Welsh Assembly Government as part of the plans to developing the site into an Ecopark.

1.2 METHODOLOGY

Public register information used in this report has been obtained via a bureau search carried out by Landmark Information Group¹. Commercially available historic ordnance survey maps have been used to assess former land use at the site; they have allowed an interpretation of potential contamination to be made. Other relevant information has been reviewed where readily available^{2,3}.

1.3 STRUCTURE OF THE REPORT

The remainder of this report has been structured as follows:

- *Section 2* includes the desk study review based on previous reports and published sources.
- *Section 3* summarises the information on site operations and history obtained from the site visit.
- *Section 4* provides the preliminary risk assessment for the site.
- *Section 5* summarises the main findings of the study.

Supporting information is presented in the following annexes:

- *Annex A* – Envirocheck report

(1)¹ Envirocheck Report – Hirwaun – 26th October 2007

(2)² 17 Acre Site, Hirwaun Industrial Estate. Interpretive Report on Ground Investigation. July 1995 (155102)

(3)³ 17 Acre Site at The Hirwaun Industrial Estate. September 1995 (Ref:P329.01)

2 SITE DESCRIPTION AND HISTORICAL LANDUSE

2.1 SITE LOCATION AND SURROUNDING LAND USE

The site is located to North-West of Hirwaun and to the north of Fifth Avenue, on the edge of Hirwaun Industrial Estate, and has been prepared as a development platform. The approximate National Grid reference (NGR) for this site is 293880, 206790. The southern area of the site is down gradient of a 1:200 slope that was engineered to promote the drainage of the site. The location is shown in *Figure 2.1*.

The surrounding land uses are as follows:

- North – Penderyn Reservoir, with farm land beyond;
- East – Manufacturing Unit, with farm land beyond;
- South – A series of small industrial units, with the A465 beyond; and
- West – Farm land.

The site is situated in the unitary authority of Rhondda Cynon Taff County Borough Council (RCTCBC), while the northern part of the site lies within the Brecon Beacons National Park.

2.2 SITE LAYOUT

2.2.1 Site Description

The area of the site amounts to approximately 7.96 Hectares, and the topography is generally flat, and is waterlogged towards the southern end of the site. The site lies at an elevation of approximately 195 m AOD. There are currently no buildings present on the site. The site plan is shown in *Figure 2.2*.

2.3 SITE HISTORY

Historical land use at the site has been determined by reference to old Ordnance Survey maps provided as part of the Envirocheck report. Related sheets are contained within *Annex A*. Anecdotally the site was first developed as munitions factory during World War Two.

On-Site History

- the *Envirocheck* report dated 26th October 2007 shows that no structures are present at the site until 1951¹ when a number of buildings are located at the site and are likely to been associated with the site's previous use as an

(1)¹ Not unusual for war time installations not to shown on maps until later maps.

Ordnance factory. These buildings are shown on maps dated 1951-1953, 1964, and 1968-1969;

- a refuse tip is identified in the North-west corner of the site on a map published in 1964;
- no buildings are present at the site on a map published in 1978, and site seems vacant; and
- the map published in 1999 shows herringbone drainage has been installed at the site.

In summary the site was used from the Second World War as a Ordnance factory, as refuse tip as indicated on the 1964 plan. The factory buildings were demolished by 1978. The site has not been used since but has been prepared as a development platform.

Off-site History

Outlined below are points of interest relating to the main historical land use changes:

- the *Envirocheck* report dated 26th October 2007 suggests before the map published in 1921 that the land uses surrounding the site are exclusively farming;
- the 1921 map shows the Penderyn Reservoir, located directly to the north of the site;
- a railway line was present to the south of the site in 1883 until the map in 1978 which shows that it was replaced by the A465 trunk road;
- prior to 1978 the road was found further to the south of the railway (approximately 700m) and is shown as the A465 in 1951;
- an Engine House was identified on the 1891 map, this was approximately 850m South-East of the site. By 1900 the Engine House site was occupied by a brick works, this was disused at the date of publication;
- the map published in 1900 shows an old Ironstone quarry located approximately 1km South-West of the site; and
- the map published in 1951 shows buildings located to the South of the site. Buildings have occupied this area until the present day in the form of the Hirwaun Industrial Estate.

In summary the land uses surrounding the site are many focused towards the South with railway line, roads, and industry present there from the late 19th Century. The land use to North, West and East is mostly farm land.

2.4

POTENTIALLY CONTAMINATIVE LAND USE

The following land uses could be potentially contaminating:

- ordnance factory;
- refuse tip (on part of the site); and
- imported fill materials.

3 ENVIRONMENTAL SETTING

3.1 GEOLOGICAL AND HYDROLOGICAL SETTING

The information regarding the geology of the site has been obtained through site investigations undertaken at the site^{1,2}.

The ground at the site consists of Made Ground, Alluvium, Glacial Deposits, and Lower Coal Measures of Siltstone and Mudstone.

- the investigations have shown that Made Ground was encountered to a maximum depth of 3.2 m bgl. The Made Ground consisted of *'very compact sandy clayey gravel and cobbles of sandstone with some stiff silty sandy gravelly clay and is believed to be Reworked Sand and Gravels and Boulder Clay'*. The Made Ground overlies Alluvial Deposits. These were encountered to a depth of 6.1 m bgl.
- the alluvium generally consisted of *'brown grey silty slightly sandy gravelly clay with occasional woody relics'*.
- glacial boulder clay was encountered in two of the Trial Pits on the southern boundary of the site. The glacial deposits consisted of *'stiff grey silty sandy clay with some gravel and cobbles of sandstone'*.
- the glacial deposits overlie Sand and Gravels, which were observed at a maximum depth of 10 m bgl. The Sand and Gravels were described as *'brown very sandy angular to sub-rounded fine to coarse gravels of mudstone and sandstone'*.
- bedrock was encountered in four boreholes at a minimum depth of 6.5 m bgl. The bedrock was described as being fine grey Sandstone and Mudstone; this is likely to be part of the Lower Coal Measures.

3.1.1 Hydrogeology

The Lower Coal Measures are classified as a minor aquifer. Although given the identified superficial geology the Alluvium and Glacial Till are likely to provide a degree of protection. Additionally the Sand and Gravel unit is potentially water bearing.

(2) ¹ 17 Acre Site at The Hirwaun Industrial Estate. September 1995 (Ref:P329.01)

(3) ² 17 Acre Site, Hirwaun Industrial Estate. Interpretive Report on Ground Investigation. July 1995 (155102)

3.1.2 *Other Geological Related Information*

According to the *Envirocheck* no radon protection measures are required in the construction of new dwellings in this area.

A study has identified two mining subsidence zones to the North of Rhingos road. These zones appear to be outside the area that would influence the site and as such the risk of subsidence resulting from underground mine workings is low. This is substantiated by a Mining Subsidence Report prepared by the Mineral Valuer (Wales) in Appendix A in report reference P329.01 by *Thomas, Morgan and & Associates*.

3.1.3 *Surface Water Resources*

The Herringbone drainage on the site drains towards to the South-Western corner of the site. The Penderyn Reservoir is the nearest off-site surface water feature and is found within 100 m of the northern boundary of the site. There are three fluvial features within 1km of the site. The Camnant that has a River Quality C status; The Sychryd that has a River Quality B status; and The Gwranon that has a River Quality A status.

There is an unnamed stream that flows along the western boundary of the site, into which the outfall for the drainage system flows. This stream connects to the Camnant approximately 50m to the South-west of the site, the Camnant joins with the River Sychryd approximately 500m to the west of the site (NGR 292700, 206900). The Sychryd flows into the River Neath (NGR 291100, 297900) and ultimately into the Bristol Channel (NGR 272600, 193300).

According to the *Envirocheck* report there is no licensed surface water abstractions registered within a 1km radius of the site.

The site is not shown to be in an area at risk of flooding on the *Environment Agency's* Flood Risk map, though it is understood that the site is poorly drained.

3.2 *SITE ENVIRONMENTAL SENSITIVITY*

The variable permeability and unknown thickness of the glacial deposits of sandy clay at the may provide some protection to the minor aquifer of the Lower Coal Measures. *ERM* therefore considers groundwater vulnerability to be low.

There are no licensed abstractions within 1km of the site. *ERM* therefore considers groundwater sensitivity (the potential significance of any impact) to be low.

The herringbone surface drainage collects into a storage lagoon in the South-west corner of the site. The storage lagoon seems to have a connection to a

stream to the west of the site. *ERM* considers the surface water vulnerability to be moderate.

The *Envirocheck* report identified environmentally sensitive areas within 1km of the site. There are three Sites of Special Scientific Interest (SSSI) the Cores Bryn-Y-Gaer lies 114 m East of the site and the Woodland Park and Pontpren which lies 868 m East of the site. There are also three Special Areas of Conservation (SAC) associated with Blaen Cynon the closest of these are 114 m East of the site.

REGULATORY FRAMEWORK

Within the UK, potential liabilities associated with contaminated land and the need for remediation are evaluated under a risk-based framework, which is provided for by Part IIA of the Environmental Protection Act 1990 and the Contaminated Land (England) Regulations 2000. Key elements of the regime are as follows:

- the 'polluter should pay'. A strict hierarchy of liability is established;
- the land should be 'suitable for use'. Land restoration should be to a standard suitable for its intended use;
- contaminated land should be evaluated in the context of a site-specific risk assessment; and
- 'contaminated land' is defined as:

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

- a). *significant harm is being caused or there is significant possibility of such harm being caused; or*
- b). *pollution of controlled water is being or is likely to be caused.'*

Every local authority is under a duty to inspect its area to identify contaminated land.

For contaminated land, risk is the product of a pollutant linkage between a source, an exposure pathway and a receptor.

Where a site is subject to redevelopment, the *Town & Country Planning Act 1990* normally requires planning permission to be granted. Contamination of land, or the possibility of it, is a material planning consideration, and a developer may need to undertake work to establish the extent and nature of contamination, and define appropriate remediation works. The planning authority should require sufficient assessment in advance of grant of planning permission to ensure that it is feasible to use the site in the manner proposed. More detailed assessment, and the remediation work itself, may be controlled through conditions attached to the permission, or by separate legal agreements.

4.2

POTENTIAL SOURCES OF IMPACT ON SOIL AND GROUNDWATER

The Made Ground at the site is thought to be reworked natural material created during the construction of the Ordnance factory that was located at the site. The refuse tip identified in the 1964 map could be a possible source of contamination as the contents of this tip are unknown and no trial pits have been excavated in this vicinity. There is a possibility that local contamination could have occurred during the site's operational history from structures such as storage tanks. Any source of contamination is historic in origin and as such is unlikely to present an on going source of contamination to future developments. Details from the logs for the trial pits and boreholes show no visual evidence of contamination. Four samples were taken for chemical analysis during the investigation. Two of these samples showed levels above ICRCCL guideline values for the domestic threshold. No detailed information is available for the samples.

4.3

POTENTIAL PATHWAYS AND RECEPTORS

If contamination of the Made Ground has historically occurred then there is a small risk of the contamination migrating into the groundwater within the alluvial deposits. The re-profiling of the site to level out the site to a flat surface may have mobilised potential contamination via groundwater and vapour pathways.

Possible receptors for the potential contamination are:

- site visitors; and
- the stream that flows to the West of the site.

4.4

POTENTIAL SOURCE RECEPTOR LINKAGES

The potential contamination could travel to the stream to the West of the site (*identified in chapter 3.1.3*) via groundwater through the herringbone drainage system, which out falls into the stream. The system was installed at the site during the re-profiling of the site.

Site users could be exposed to the potential contamination emanating from the ground via volatilisation and if the contamination is present at the surface there would be a risk of ingestion through direct contact with the material and wind borne particles.

A Conceptual Site Model (CSM) of the site is shown in *Figure 4.4*.

Table 4.1 *Pollutant Linkages*

Contaminant Source	Receptors	Receptor Applicable to Sources	Pathways	Risk Issues
1. Ground contaminated by former refuse tip	Future site uses	All	Ingestion/ inhalation/ dermal contact	Site investigation required to clarify potential pollutant linkage
2. Spills/leaks from historic processing operations (Ordnance factory)	Ground waters	All		
3. Imported Fill Material	Surface waters	All		

The geotechnical assessment of the site has given rise to options for foundations; these would vary depending on the size, load and sensitivity to movement of the structure to be constructed. The report by *Thomas, Morgan & Associates* (155102 July 1995) set out the following options.

1. small lightly loaded structures may be constructed on shallow rafts in certain areas of the site, particularly towards the centre of the site where there appears to be less or no alluvium. This would probably not be possible to the South of the site where there is between 1.00 m and 2.00 m of alluvium below the Made Ground;
2. trench fill to the underlying sand and gravel strata may be possible in some parts of the site. Structure loadings and variability of thickness of the fill would be a significant factor for positioning of structures built on this type of foundation. Assuming the underlying sands and gravels to be medium dense then an allowable bearing capacity in the order of 300 kN/m² could be attained provided the excavations were kept dry. However, due to the risk of high water table it is suggested that a value of 150 kN/m² is employed for design purposes;
3. ground bearing floor slabs where employed would need to be designed for an allowable bearing capacity in the order of 15 kN/m². Any soft spots should be removed proof rolled and replaced by a suitable granular infill;
4. piles could be driven into the sand and gravel or alternately bedrock for larger structures with higher loads. There may be problems using continuous flight auger (CFA) piles due to the possibility of 'necking' in the soft zones of alluvium. The potential viability of piles should be confirmed with a specialist contractor once more information concerning the nature of the structure is known;
5. vibrocompaction of the surface layers is potentially viable, and would be particularly useful for reducing the possibility of damage to concrete floor slabs. Again details should be confirmed with specialist contractors; and
6. Vibrated Concrete Columns (VCC) may be suitable at the site and advice should be gained from specialist contractor as to their viability at this particular site.

The report stated that a clay sample collected from Made Ground in Borehole 5 indicated a coefficient of volume compressibility (m_v) of 0.03 m²/MN, corresponding to clay of very low compressibility.

The dynamic probe holes carried out generally showed high values of penetration resistance consistent with the very compact Made Ground

encountered in the trial pits. However, DP4A and TP1 showed a soft area between 2.00 m and 3.00 m which may indicate a pocket of peat or very soft clay. It is suggested that structures are not placed at the location without use of piled foundations.

Dry density testing on the more granular Made Ground showed that at moisture contents of approximately 11% produced a dry density in the order of 2.0 Mg/m³. At moisture content of 15% the dry density was 1.8 Mg/m³, this shows that the material is particularly sensitive to wetting.

The report suggested there may be a requirement for an increased class of concrete due to the low pH result of 4.5 for the samples at 2.0 m in Borehole 1. The sulphate results are generally 0.02% to 0.05% except for the sample at 3.0 m in Borehole 3 where a soluble sulphate value of 1.7g/l was recorded.

CONCLUSIONS

The desk study has revealed that the site was formally used as an Ordnance factory during the Second World War. The factory buildings present on plans until 1971. After this time the factory was demolished and the land has been left vacant. In the mid 1990s the Welsh Development Agency (WDA) re-profiled the site in preparation of a development plateau.

The site's former use poses a small risk of contamination having occurred at the site historically. The Made Ground at the site is thought to be re-worked natural material and so does not pose a risk the environment in itself. However, there is a low risk that local contamination of the Made Ground could have occurred during the factory's history. Potential receptors for the contamination would be the stream to the West of the site, in to which the drainage system at the site outfalls, and site users to inhale or ingest the contamination via volatilisation of the contaminants or contaminants becoming air borne.

The proposed end use for the site would result in the site being mostly covered in hard standing and so removing one of the pathways for the contamination. This would still leave a pathway via the ground waters draining from the site in to the stream.

Site investigation in 1995 has confirmed the underlying geology at the site as being Made Ground overlying alluvial deposits, glacial deposits, and Lower Coal Measures, which are found at approximately 10 m bgl.

Limited chemical sampling was undertaken during the 1995 site investigation by *Thomas, Morgan & Associates*, and no detailed results are available for these samples.

The current site conditions suggest that the drainage system requires attention as the site is waterlogged at the southern end of the site.

The geotechnical assessment showed that there are foundation options available but there preferred option would depend on the final design of the development.

The National Park Boundary dissects the site and accordingly any future development will be subject, in part, to the planning requirements of the Brecon Beacons National Park Authority (BBNPA).

6.1

RECOMMENDATIONS

Although *ERM* anticipate the risk of land contamination as being low *ERM* recommends the following:

1. refinement of the outline Conceptual Site Model to obtain information to provide to Local Planning Authority (LPA) in anticipation of planning conditions relating to ground conditions. Note if appropriately scoped, site investigation data could support the Application Site Report (ASP) required for the Pollution Prevention Control (PPC) permit application; and
2. discussion to be held with LPA (Rhondda Cynon Taff County Council and Brecon Beacons National Park Authority) and Environment Agency to define site investigation.

We anticipate that the following work would be acceptable:

- excavation of twenty trial pits around site;
- installation of ground water monitoring wells at five locations;
- chemical analysis for a range of parameter consistent with former land use; and
- reporting a risk assessment in line with EA Model Procedure Document.

The cost of the undertaking of the above mentioned work would cost in the region of £15-20,000.



SITE LOCATION



CLIENT: Marlborough Developments Ltd

SIZE: A4

TITLE: Figure 2.1 Site Location Hirwaun Ecopark

ERM
Llandarcy House
11A The Courtyard
Llandarcy
Swansea Bay, SA10 6EJ
Tel: 01792 814907
Fax: 01792 817396



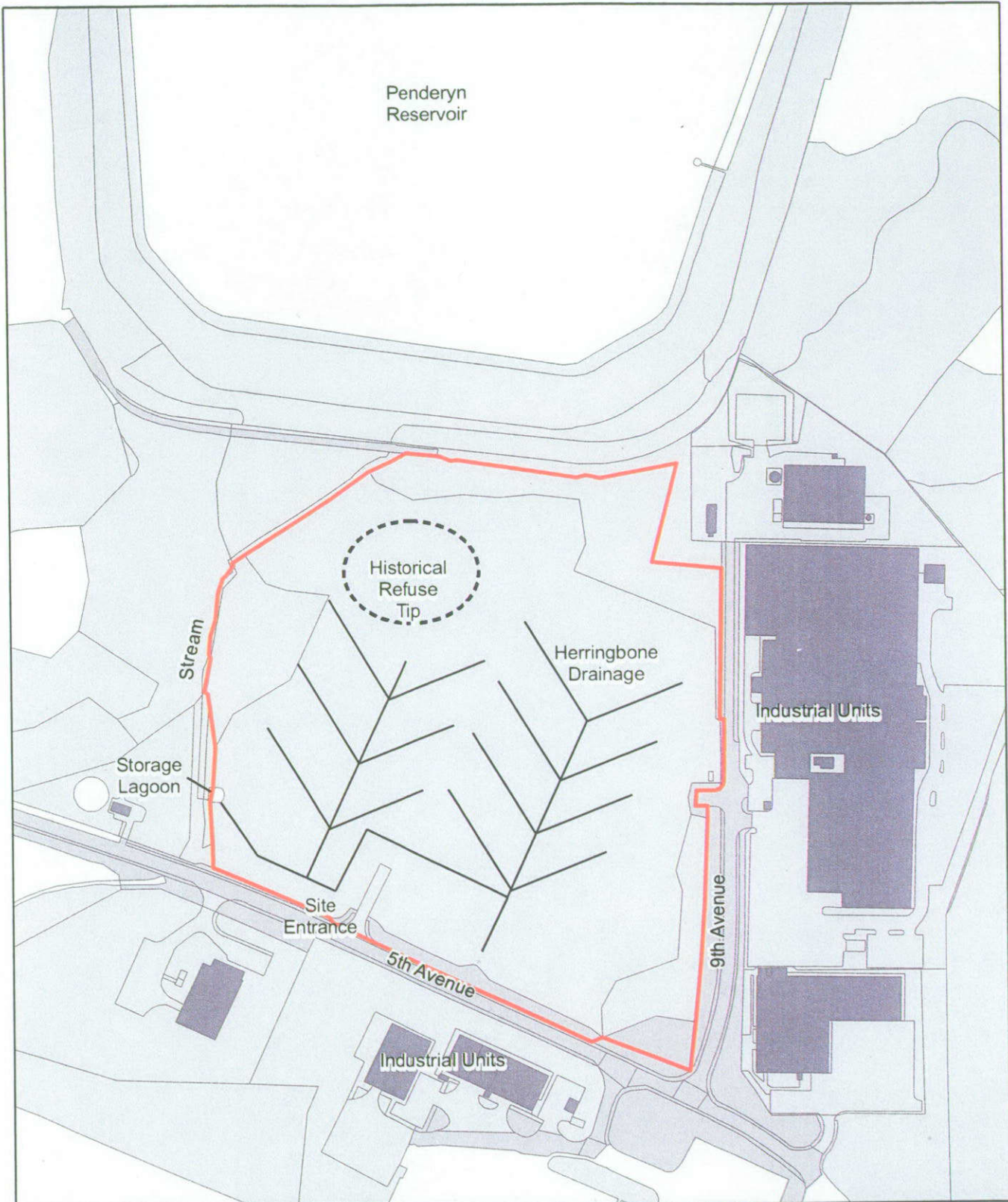
DATE: 12/11/2007	CHECKED: PN	PROJECT: 0067887
DRAWN: IG	APPROVED:	SCALE: 1:250,000

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PROJECTION: British National Grid

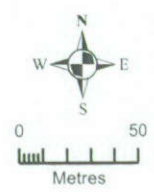
DRAWING: HirwaunSiteLocation.mxd

REV: 0

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KEY: Site Boundary



CLIENT: Marlborough Developments Ltd

ERM
 Llandarcy House
 11A The Courtyard
 Llandarcy
 Swansea Bay, SA10 6EJ
 Tel: 01792 814907
 Fax: 01792 817396



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 PROJECTION: British National Grid

SIZE: A4

TITLE: Figure 2.2
 Site Layout
 Hirwaun Ecopark

DATE: 12/11/2007 CHECKED: PN PROJECT: 0067887

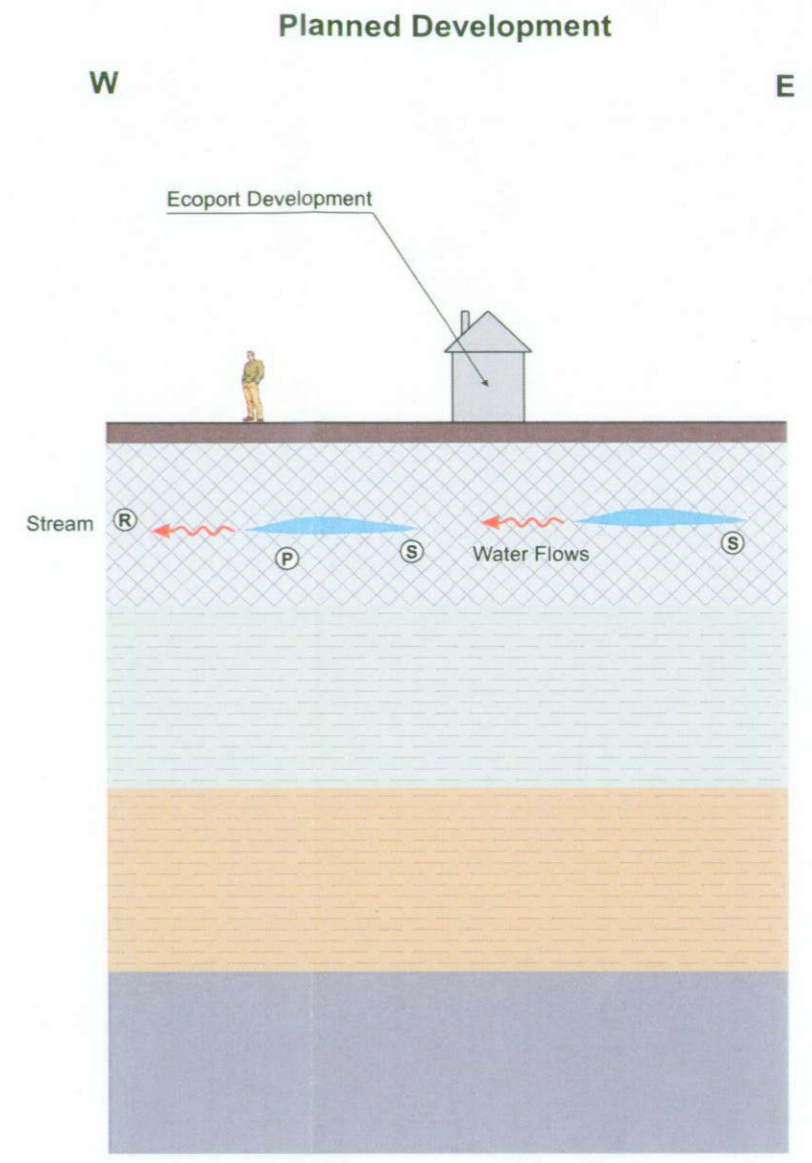
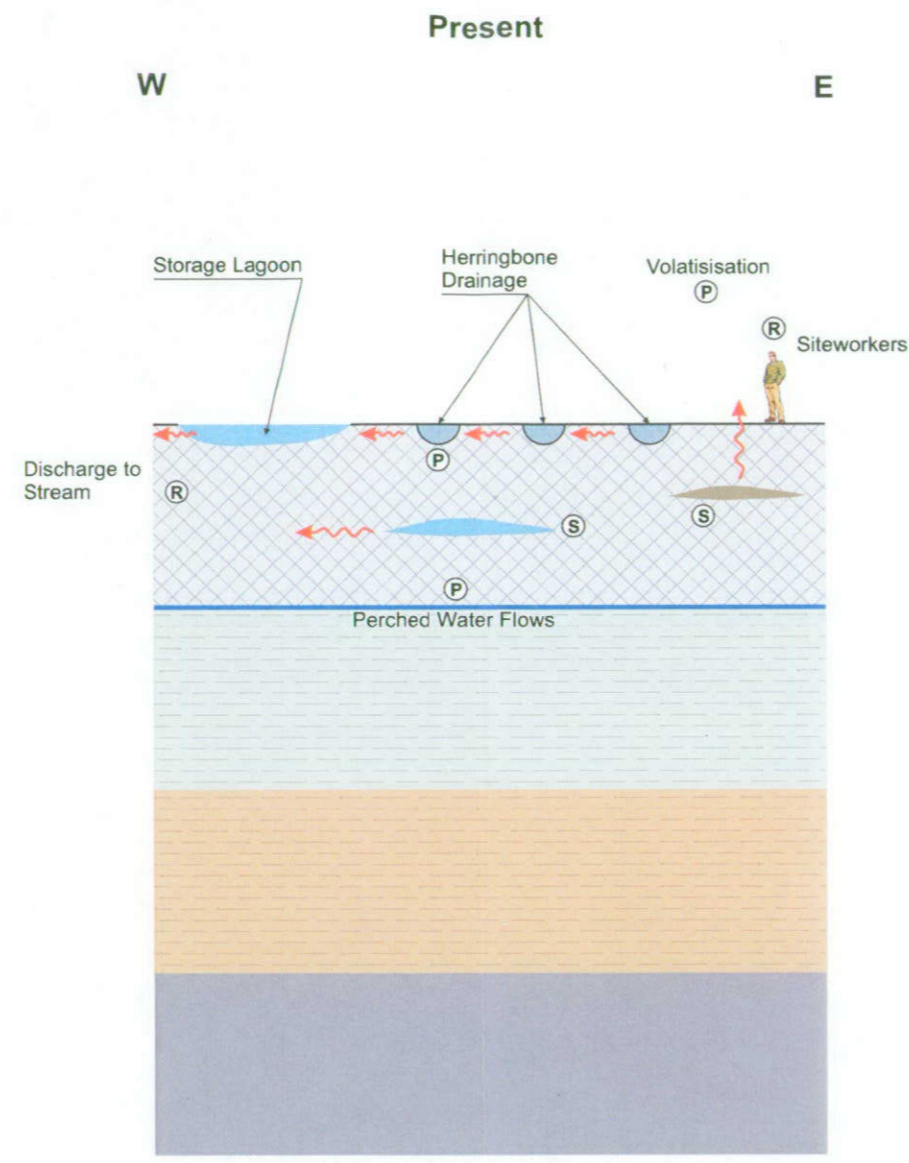
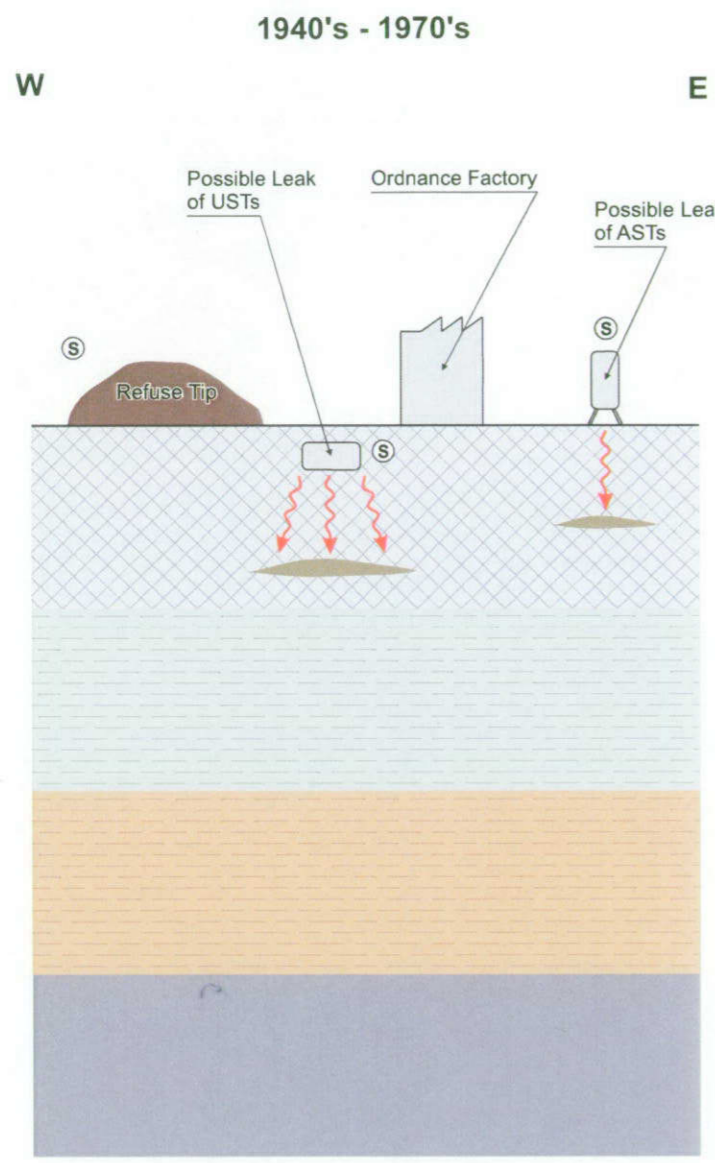
DRAWN: IG APPROVED: SCALE: 1:3,000

DRAWING: SiteLayout.mxd

REV: 0

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File: 0067887\Hirwaun\GIS_JB\MAPS\SiteLayout.mxd



- KEY:**
- Hardstanding
 - Made ground
 - Alluvium
 - Boulder clay
 - Bedrock (lower coal measures)
 - Source
 - Pathway
 - Receptors

CLIENT: Marlborough Developments	SIZE: A3	TITLE: Figure 3.4: Conceptual Site Model	
Swansea Office Llandarcy House 11A The Courtyard Llandarcy Swansea Bay, SA10 6EJ Telephone: +44 (0) 179 232 5000 Facsimile: +44 (0) 179 281 7396		DATE: 12.11.07	CHECKED: PN
		DRAWN: MTC	APPROVED:
SOURCE:	DRAWING: 0067887_1 - 12.11.07	PROJECT: 0067887	SCALE: Not to Scale
			REV: 0

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Annex A

Envirocheck Report



Envirocheck[®] Report: Datasheet

Order Details:

Order Number:

23315733_1_1

Customer Reference:

0067887.03.01

National Grid Reference:

293880, 206790

Slice:

A

Site Area (Ha):

7.96

Search Buffer (m):

1000

Site Details:

Site at

Hirwaun

Rhondda, Cynon, Taff

Client Details:

Ms F Coffman

ERM

Eaton House

Wallbrook Court

North Hinksley Lane

Oxford

OX2 0QS

Report Section	Page Number
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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 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 the attached 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 v28.2

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		4		8
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 4		3	1	5
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 5	Yes			
Pollution Incidents to Controlled Waters	pg 5		12	1	10
Prosecutions Relating to Authorised Processes	pg 9		1	1	
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances					
River Quality	pg 9			1	2
River Quality Biology Sampling Points	pg 10			1	
River Quality Chemistry Sampling Points	pg 10				1
Substantiated Pollution Incident Register	pg 10		1		
Water Abstractions	pg 11				(*5)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 12	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				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
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 13				1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 13				1
Local Authority Recorded Landfill Sites					
Registered Landfill Sites	pg 13				2
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites	pg 14				1

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
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					
Geological					
BGS Recorded Mineral Sites					
BGS 1:625,000 Solid Geology	pg 15	Yes	n/a	n/a	n/a
Brine Compensation Areas			n/a	n/a	n/a
Coal Mining Affected Areas	pg 15	Yes	n/a	n/a	n/a
Mining Instability	pg 15	Yes	n/a	n/a	n/a
Natural and Mining Cavities					
Potential for Collapsible Ground Stability Hazards				n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 15	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards		Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 15	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 15	Yes		n/a	n/a
Radon Affected Areas				n/a	n/a
Radon Protection Measures				n/a	n/a
Shallow Mining Hazards	pg 16	Yes		n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 17		8	6	37
Fuel Station Entries					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m ("up to 2000m)
Sensitive Land Use					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks	pg 22	1			
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest	pg 22		1		2
Special Areas of Conservation	pg 22		1		2
Special Protection Areas					



Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<p>Discharge Consents</p> <p>Operator: Dwr Cymru Cyfyngedig Property Type: Sewage Disposal Works - Water Company Location: Hirwaun Stw Hirwaun Rhondda, Hirwaun, Rhondda Cynon Taff, Wales Authority: Environment Agency, Welsh Region Catchment Area: Not Supplied Reference: Ba1002401 Permit Version: 2 Effective Date: 29th March 2003 Issued Date: 28th March 2003 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Camnant Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A13SW (W)	32	1	293680 206740
1	<p>Discharge Consents</p> <p>Operator: Dwr Cymru Cyfyngedig Property Type: Sewage Disposal Works - Water Company Location: Hirwaun Stw Hirwaun Rhondda, Hirwaun, Rhondda Cynon Taff, Wales Authority: Environment Agency, Welsh Region Catchment Area: Not Supplied Reference: BA1002401 Permit Version: 1 Effective Date: 18th December 1963 Issued Date: 18th December 1963 Revocation Date: 28th March 2003 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Not Supplied Environment: Receiving Water: River Camnant Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m</p>	A13SW (W)	32	1	293680 206740
2	<p>Discharge Consents</p> <p>Operator: Dwr Cymru Cyfyngedig Property Type: Sewage Disposal Works - Water Company Location: Hirwaun Wtw Authority: Environment Agency, Welsh Region Catchment Area: Not Supplied Reference: A13013601 Permit Version: 1 Effective Date: 14th May 1969 Issued Date: 14th May 1969 Revocation Date: 22nd January 2001 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Cynon Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A13SW (W)	145	1	293568 206759
3	<p>Discharge Consents</p> <p>Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Hirwaun Stw Storm Tanks Hirwaun, Storm Tanks, Hirwaun Stw, Hirwaun, Rhondda Cynon Taff Authority: Environment Agency, Welsh Region Catchment Area: Not Supplied Reference: Bp0304701 Permit Version: 1 Effective Date: 28th March 2003 Issued Date: 28th March 2003 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: The Afon Camnant Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A12SE (W)	204	1	293507 206720



Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Discharge Consents Operator: British Coal Opencast Property Type: Coal Extraction, Surface Location: Flyndaff Site Outlet D1 Authority: Environment Agency, Welsh Region Catchment Area: River Neath Reference: Bm0001606 Permit Version: 2 Effective Date: 14th March 1994 Issued Date: 14th March 1994 Revocation Date: 7th July 1997 Discharge Type: Trade Effluent Discharge: Not Supplied Environment: Receiving Water: Nant-Yr-Ochain Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A8SW (S)	689	1	293670 205990
4	Discharge Consents Operator: British Coal Opencast Property Type: Coal Extraction, Surface Location: Flyndaff Site Outlet D1 Authority: Environment Agency, Welsh Region Catchment Area: River Neath Reference: Bm0001606 Permit Version: 1 Effective Date: 26th September 1979 Issued Date: 26th September 1979 Revocation Date: 13th March 1994 Discharge Type: Trade Effluent Discharge: Not Supplied Environment: Receiving Water: Nant-Yr-Ochain Status: Authorisation revoked Revoked Positional Accuracy: Located by supplier to within 10m	A8SW (S)	689	1	293670 205990
4	Discharge Consents Operator: British Coal Opencast Property Type: Undefined Or Other Location: Ffyndaff Site - Outlet C Authority: Environment Agency, Welsh Region Catchment Area: River Neath Reference: Bm0001603 Permit Version: 1 Effective Date: 26th September 1979 Issued Date: 26th September 1979 Revocation Date: 18th November 1992 Discharge Type: Trade Effluent Discharge: Not Supplied Environment: Receiving Water: Nant Yr Ochain(Camnant)Trib Of Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A8SW (S)	698	1	293670 205980
4	Discharge Consents Operator: Coal Authority Property Type: Coal Extraction, Surface Location: Flyndaff Occs Outlet D Authority: Environment Agency, Welsh Region Catchment Area: River Neath Reference: Bm0001604 Permit Version: 1 Effective Date: 26th September 1979 Issued Date: 26th September 1979 Revocation Date: 13th March 1994 Discharge Type: Trade Effluent Discharge: Not Supplied Environment: Receiving Water: Nant Yr Ochain Status: Authorisation revoked Revoked Positional Accuracy: Located by supplier to within 10m	A8SW (S)	707	1	293670 205970

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	<p>Discharge Consents</p> <p>Operator: Dwr Cymru Cylfyngedig Property Type: Water Supply Grid Location: Hirwaun Hirwaun Water Reservoir. Authority: Environment Agency, Welsh Region Catchment Area: River Neath Reference: BM0041601 Permit Version: 1 Effective Date: 30th November 1984 Issued Date: 30th November 1984 Revocation Date: Not Supplied Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Unnamed Trib Of River Camnant Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m</p>	A23SW (N)	841	1	293800 207800
6	<p>Discharge Consents</p> <p>Operator: Togo Organics Ltd Property Type: Undefined Or Other Location: Hirwaun - Togo Organics Authority: Environment Agency, Welsh Region Catchment Area: River Taff Reference: Ag0008801 Permit Version: 1 Effective Date: 15th February 1982 Issued Date: 15th February 1982 Revocation Date: 26th July 1985 Discharge Type: Trade Effluent Discharge: Not Supplied Environment: Receiving Water: Nant Y Bwch Status: Consent expired Positional Accuracy: Located by supplier to within 10m</p>	A3NE (S)	848	1	294100 205770
7	<p>Discharge Consents</p> <p>Operator: Efec Ltd Property Type: Basic Industry, Chemicals Organic Location: Rhigos Aberdare Authority: Environment Agency, Welsh Region Catchment Area: River Taff Reference: AN0034701 Permit Version: 1 Effective Date: 20th August 1987 Issued Date: 20th August 1987 Revocation Date: 10th March 2000 Discharge Type: Trade Effluent Discharge: Not Supplied Environment: Receiving Water: Cynon Tributary Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m</p>	A4NW (S)	935	1	294200 205700
7	<p>Discharge Consents</p> <p>Operator: Efec Ltd Property Type: Industrial Parks & Estates Location: Efec Ltd Rhigos Hirwaun Aberdare, Rhigos, Hirwaun Abardare, C144 9us Authority: Environment Agency, Welsh Region Catchment Area: River Taff Reference: An0034701 Permit Version: 2 Effective Date: 11th March 2000 Issued Date: 20th August 1987 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Site Drainage Discharge: Not Supplied Environment: Receiving Water: Trib Of River Cynon Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m</p>	A4NW (S)	935	1	294200 205700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Commercial Acoustic Products Location: Unit 1 Hirwaun Industrial Estate, Hirwaun, ABERDARE, Mid Glamorgan, CF44 9UP Authority: Rhondda Cynon Taff County Borough Council, Public Health and Protection Division Permit Reference: Epa 058 Dated: 15th November 1994 Process Type: Local Authority Air Pollution Control Description: PG6/31 Powder coating processes (including sheradizing) Status: Authorised Positional Accuracy: Manually positioned to the address or location</p>	A13SE (SE)	51	2	294050 206834
9	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Innova Precision Writing Points Ltd Location: Unit 11 Fifth Avenue, Hirwaun Industrial Estate, Hirwaun, ABERDARE, Mid Glamorgan, CF44 9UP Authority: Rhondda Cynon Taff County Borough Council, Public Health and Protection Division Permit Reference: Epa 060 Dated: 14th June 1994 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</p>	A13SW (S)	55	2	293823 206618
10	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Eden Industries Uk Ltd Location: Ninth Avenue, Hirwaun Industrial Estate, Hirwaun, ABERDARE, Mid Glamorgan, CF44 9YN Authority: Rhondda Cynon Taff County Borough Council, Public Health and Protection Division Permit Reference: PPC 42 Dated: 11th January 1994 Process Type: Local Authority Pollution Prevention and Control Description: Part B - General Coating Process (No Specific Reference) Status: Permitted Positional Accuracy: Manually positioned to the address or location</p>	A13NE (E)	61	2	294068 206802
11	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Hitachi Home Electronics Uk Ltd Location: Hirwaun Industrial Estate, ABERDARE, Mid Glamorgan, CF44 9UY Authority: Rhondda Cynon Taff County Borough Council, Public Health and Protection Division Permit Reference: EPA 059 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/23 Coating of metal and plastic Status: Authorisation revoked Revoked Positional Accuracy: Automatically positioned to the address</p>	A8NW (S)	479	2	293668 206222
12	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Houghton Vaughan Plc Location: Unit R Hirwaun Industrial Estate, Hirwaun, ABERDARE, Mid Glamorgan, CF44 9YW Authority: Rhondda Cynon Taff County Borough Council, Public Health and Protection Division Permit Reference: EPA 062 Dated: 10th August 1994 Process Type: Local Authority Air Pollution Control Description: PG6/25 Vegetable oil extraction and fat and oil refining Status: Authorised Positional Accuracy: Automatically positioned to the address</p>	A12SW (W)	694	2	293033 206581
13	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Walters Uk Ltd Location: Hirwaun House, Hirwaun Industrial Estate, Hirwaun, Aberdare, CF44 9UL Authority: Rhondda Cynon Taff County Borough Council, Public Health and Protection Division Permit Reference: PPC 20 Dated: 25th March 2004 Process Type: Local Authority Pollution Prevention and Control Description: PG3/16 Mobile screening and crushing processes Status: Authorisation certificate surrendered by operator Surrendered Positional Accuracy: Manually positioned within the geographical locality</p>	A7NE (SW)	724	2	293198 206220

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	Local Authority Pollution Prevention and Controls Name: Walters Uk Ltd Location: Hirwaun House, Hirwaun Industrial Estate, Hirwaun, Aberdare, CF44 9UL Authority: Rhondda Cynon Taff County Borough Council, Public Health and Protection Division Permit Reference: PPC 21 Dated: 25th March 2004 Process Type: Local Authority Pollution Prevention and Control Description: PG3/18 Mobile screening and crushing processes Status: Authorisation certificate surrendered by operator[Surrendered Positional Accuracy: Manually positioned within the geographical locality	A7NW (SW)	762	2	293138 206229
15	Local Authority Pollution Prevention and Controls Name: Efec Ltd Location: Rhigos, ABERDARE, CF44 9UE Authority: Rhondda Cynon Taff County Borough Council, Public Health and Protection Division Permit Reference: Ppc34 Dated: 7th February 2005 Process Type: Local Authority Air Pollution Control Description: Part B - General Coating Process (No Specific Reference) Status: Authorised Positional Accuracy: Manually positioned within the geographical locality	A8SE (S)	825	2	293978 205784
16	Local Authority Pollution Prevention and Controls Name: Efec Ltd Location: Treherbert Road, Rhigos, Aberdare, Mid Glamorgan, CF44 9UE Authority: Rhondda Cynon Taff County Borough Council, Public Health and Protection Division Permit Reference: PPC 34 Dated: 11th May 1994 Process Type: Local Authority Pollution Prevention and Control Description: PG6/10 Coating manufacturing Status: Permitted Positional Accuracy: Located by supplier to within 100m	A3NE (S)	910	2	294000 205700
	Nearest Surface Water Feature	A13NE (E)	0	-	293925 206794
17	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Hirwaun Industrial Estate, Sewage Works Authority: Environment Agency, Welsh Region Pollutant: Coal Solids Note: Not Supplied Incident Date: 30th November 1994 Incident Reference: 21882 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13NW (W)	16	1	293700 206800
17	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Hirwaun Sewage Treatment Works, HIRWAUN Authority: Environment Agency, Welsh Region Pollutant: Sewage - Septic Tank Effluent Note: Weather Incident Date: 29th January 1992 Incident Reference: 2887 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Runoff Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13NW (W)	16	1	293700 206795
18	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Surface Water To River Camnant Authority: Environment Agency, Welsh Region Pollutant: Miscellaneous - Fire water / Foam Note: Accidental Spillage/Leakage Incident Date: 19th January 1996 Incident Reference: 27325 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	A13SE (S)	39	1	293900 206800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Section Of A465 Northbound, Near Hirwaun Industrial Estate Authority: Environment Agency, Welsh Region Pollutant: Filter Backwash Water Note: River Neath; Spillage Incident Date: 6th October 1997 Incident Reference: 33865 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (S)	44	1	293900 206595
19	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Hirwaun Sewage Treatment Works Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: River Camnant Incident Date: 7th April 1998 Incident Reference: 35371 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	A13SW (W)	51	1	293680 206730
20	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Opposite Sewage Treatment Works Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Note: River Camnant; Direct Introduction Incident Date: 22nd January 1998 Incident Reference: 34693 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Neglect Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (E)	93	1	294100 206800
20	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Hirwaun Industrial Estate, North Storm/W Outfall, HIRWAUN Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Note: River Camnant; Direct Introduction Incident Date: 22nd January 1998 Incident Reference: 34693 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Neglect Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (E)	93	1	294100 206795
21	Pollution Incidents to Controlled Waters Property Type: Process Location: Hirwaun Sewage Treatment Works, HIRWAUN Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 22nd August 1991 Incident Reference: 1371 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	A13SW (W)	115	1	293600 206700
21	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Hirwaun Industrial Estate Authority: Environment Agency, Welsh Region Pollutant: Farm Effluent/Slurry Note: Weather Incident Date: 21st November 1998 Incident Reference: 30511 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	A13SW (W)	117	1	293600 206695

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Hirwaun Stw Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Accidental Spillage/Leakage Incident Date: 20th August 1998 Incident Reference: 29822 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Spillage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A12SE (W)	212	1	293500 206750
22	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Hirwaun Sewage Treatment Works, HIRWAUN Authority: Environment Agency, Welsh Region Pollutant: Farm Effluent/Slurry Note: Not Supplied Incident Date: 2nd May 1991 Incident Reference: 4036 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p>	A12SE (W)	213	1	293500 206700
22	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Adjacent To Stw Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 13th February 1996 Incident Reference: 27366 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Spillage Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p>	A12SE (W)	214	1	293500 206695
23	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Water Company Sewage: Water Treatment Works Location: Dinas Rock, Footbridge Up Stream Of, Sychryd Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Weather Incident Date: 15th July 1995 Incident Reference: 25197 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</p>	A19SW (NE)	497	1	294200 207400
24	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Hirwaun Industrial Estate, Up Stream Of Units 40 To 46, HIRWAUN Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 1st November 1994 Incident Reference: 21750 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</p>	A9NW (SE)	516	1	294300 206200
25	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Industrial Premises Location: Hirwaun Industrial Estate, HIRWAUN Authority: Environment Agency, Welsh Region Pollutant: Farm Effluent/Slurry Note: Not Supplied Incident Date: 10th April 1992 Incident Reference: 4293 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p>	A12NW (W)	623	1	293100 206900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Rhigos Old Road, Down To Aberdulais Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: River Sychryd (Tributary Of River Neath); Run-Off Incident Date: 30th August 1997 Incident Reference: 33392 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Weather Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	633	1	293800 206000
26	Pollution Incidents to Controlled Waters Property Type: Not Given Location: HIRWAUN Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: River Sychryd (Tributary Of River Neath); Run-Off Incident Date: 30th August 1997 Incident Reference: 33392 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Weather Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	637	1	293805 205995
26	Pollution Incidents to Controlled Waters Property Type: Not Given Location: D/S From Outcrop Works, RHIGOS Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: River Sychryd (Tributary Of River Neath); Run-Off Incident Date: 30th August 1997 Incident Reference: 33392 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Weather Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	638	1	293800 205995
27	Pollution Incidents to Controlled Waters Property Type: Abandoned mine Location: Togo Authority: Environment Agency, Welsh Region Pollutant: Milk/Creamery Wastes Note: Not Supplied Incident Date: 24th January 1992 Incident Reference: 2716 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	653	1	293100 206500
28	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Village Of, CLYNE Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Nant Gwrrangon (Tributary Of River Tawe); Run-Off Incident Date: 28th August 1997 Incident Reference: 33383 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Weather Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	667	1	293700 206000
29	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Flynndaff Opencast Coal Site Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Camnant-Tributary Of Sychryd; Effluent Quality Incident Date: 11th November 1997 Incident Reference: 34086 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Inadequate Design/Capacity Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	730	1	293800 205900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Draining Hirwaun Industrial Estate, Combined Storm Sewer Old Mill Authority: Environment Agency, Welsh Region Pollutant: Coal Solids Note: Blocked Sewer Incident Date: 5th July 1996 Incident Reference: 29022 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	A7SE (SW)	753	1	293300 206100
31	Pollution Incidents to Controlled Waters Property Type: Other Transport Location: Yard, Electrical Substation Authority: Environment Agency, Welsh Region Pollutant: Farm Effluent/Slurry Note: Vandalism Incident Date: 11th January 1995 Incident Reference: 22548 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Spillage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	813	1	293800 205800
32	Prosecutions Relating to Authorised Processes Location: Unit 10 Hirwaun Industrial Estate, Hirwaun Prosecution Text: Storing commercial and industrial waste illegally Prosecution Act: Epa90 S33(1)(B) Hearing Date: 12th March 2007 Verdict: Guilty Fine: 1500 Costs: 0 Positional Accuracy: Manually positioned within the geographical locality	A13SW (SW)	105	1	293790 206578
33	Prosecutions Relating to Authorised Processes Location: Unit 10 Hirwaun Industrial Estate, Merthyr Tydfil, C144 Prosecution Text: Storing and treating waste without a WML Prosecution Act: Epa90 S33(1)(B) Hearing Date: 19th October 2005 Verdict: Guilty Fine: 20000 Costs: 2148 Positional Accuracy: Manually positioned within the geographical locality	A8NE (S)	457	1	293944 206153
	River Quality Name: Camnant GOA Grade: River Quality C Reach: Conf.Gwrrangon - Penderyn Res. Estimated Distance (km): 1.5 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A18SW (N)	392	1	293841 207351
	River Quality Name: Sychryd GOA Grade: River Quality B Reach: Conf.Malite - Conf.Camnant/Gwrrangon Estimated Distance (km): 2.3 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A11NE (W)	990	1	292726 206832
	River Quality Name: Gwrrangon GOA Grade: River Quality A Reach: Conf.Camnant - Conf.Carwyll Estimated Distance (km): 3.8 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A11NE (W)	990	1	292726 206832

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	River Quality Biology Sampling Points Name: Camnant Reach: Conf. R.Gwrrangon - Penderyn Res. Estimated Distance: 1.50 Positional Accuracy: Located by supplier to within 100m Year: 1990 GQA Grade: Not Supplied Year: 1995 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2000 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2002 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2003 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2004 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2005 GQA Grade: River Quality Biology GQA Grade C - Fairly Good	A18SE (N)	443	1	293900 207400
35	River Quality Chemistry Sampling Points Name: Camnant Reach: Confluence River Gwrrangon To Penderyn Reservoir Estimated Distance: 1.50 Objective: River Ecosystem Class 1: Very Good Quality Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: Not Supplied Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Significant Failure Year: 1994 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Significant Failure Year: 1995 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Significant Failure Year: 1996 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Marginal Year: 1997 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Significant Failure Year: 1998 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Significant Failure Year: 1999 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Significant Failure Year: 2000 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Significant Failure Year: 2001 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Significant Failure Year: 2002 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Significant Failure Year: 2003 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Significant Failure Year: 2004 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Significant Failure Year: 2005 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Significant Failure	A12NW (W)	655	1	293070 206920
36	Substantiated Pollution Incident Register Authority: Environment Agency - Welsh Region, South East Area Incident Date: 29th November 2004 Incident Reference: 280145 Water Impact: Category 3 - Minor Incident Air Impact: Category 2 - Significant Incident Land Impact: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants And Effects: Smoke Pollutant: General Biodegradable : Composted Material Pollutant: General Biodegradable Materials And Wastes: Food And Drink Pollutant: General Biodegradable : Other Pollutant: Inert : Construction / Demolition Material	A13SE (SE)	104	1	294000 206507



Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Dwr Cymru Cyl Licence Number: 21/57/23/0060 Permit Version: 100 Location: Penderyn Borehole Authority: Environment Agency, Welsh Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Penderyn Borehole Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th March 1890 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A20NE (NE)	1471	1	295220 207750
	Water Abstractions Operator: The Welsh Whiskey Company Licence Number: 21/57/23/0065 Permit Version: 1 Location: Borehole At The Welsh Whiskey Co. Site Authority: Environment Agency, Welsh Region Abstraction: Breweries/Wine: General Use (High Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: The Welsh Whiskey Co. At Gwalla Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th August 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A25NW (NE)	1837	1	295140 208380
	Water Abstractions Operator: Tower Colliery Ltd Licence Number: 21/57/23/0058 Permit Version: 100 Location: Mineshaft At Tower No.3 Colliery Authority: Environment Agency, Welsh Region Abstraction: Mineral Products: General Washing/Process Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Discharge From Tower No 3 Colliery - Hirwaun Aberdare Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th November 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(S)	1844	1	294100 204770
	Water Abstractions Operator: Tower Colliery Ltd Licence Number: 21/57/23/0058 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, Welsh Region Abstraction: Wash Unspecified Abstraction Type: Not Supplied Source: Mining Operation Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Water Piped From Old Workings - Hirwaun Aberdare 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 100m	(S)	1849	1	294100 204765

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Dwr Cymru Cyl Licence Number: 21/57/230002 Permit Version: 100 Location: Nant Y Bwlfa Authority: Environment Agency, Welsh Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Bodwigiad Nr Bodwigiad Farm Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th October 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(E)	1912	1	295850 207405
	<p>Groundwater Vulnerability</p> <p>Geological Classification: Minor Aquifer (Variably permeable) - These can be fractured or potentially fractured rocks, which do not have a high primary permeability, or other formations of variable permeability including unconsolidated deposits. Although not producing large quantities of water for abstraction, they are important for local supplies and in supplying base flow to rivers</p> <p>Soil Classification: Soils of Low Leaching Potential - Soils in which pollutants are unlikely to penetrate the soil layer because water movement is largely horizontal or they have large ability to attenuate diffuse pollutants. Lateral flow from these soils contribute to groundwater recharge elsewhere in the catchment</p> <p>Map Sheet: Sheet 36 Mid Glamorgan Scale: 1:100,000</p>	A13NE (N)	0	1	293910 207034
	<p>Drift Deposits</p> <p>Drift Deposit: Low permeability drift deposits occurring at the surface and overlying Major and Minor Aquifers are head, clay-with-flints, brickearth, peat, river terrace deposits and marine and estuarine alluvium</p> <p>Map Sheet: Sheet 36 Mid Glamorgan Scale: 1:100,000</p>	A13NE (NE)	0	1	293890 206808
	<p>Extreme Flooding from Rivers or Sea without Defences</p> <p>None</p>				
	<p>Flooding from Rivers or Sea without Defences</p> <p>None</p>				
	<p>Areas Benefiting from Flood Defences</p> <p>None</p>				
	<p>Flood Water Storage Areas</p> <p>None</p>				
	<p>Flood Defences</p> <p>None</p>				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	Historical Landfill Sites Licence Holder: Cynon Valley Borough Council Location: Hugh Patches, Rhigos Road, Aberdare Name: Hugh Patches Site Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD14516 First Input Date: 31st December 1970 Last Input Date: 31st December 1980 Specified Waste Type: Deposited Waste included Inert, Industrial, Commercial and Household Waste EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 6940/0030 BGS Ref: Not Supplied Other Ref: Not Supplied	A7SE (SW)	799	1	293237 206088
38	Licensed Waste Management Facilities (Locations) Licence Number: 34257 Location: Unit 49, Hirwaun Ind Est, Hirwaun, Aberdare, R C T, CF44 9UP Operator Name: Ciliraya Recycling Technology Ltd Operator Location: Unit 49, Hirwaun Industrial Estate, Hirwaun, R C T, CF44 9UP Authority: Environment Agency - Welsh Region, South West Area Site Category: Material Recycling Treatment Facilities Licence Status: Issued Issued: 10th December 2004 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	A7NE (SW)	578	1	293262 206367
	Local Authority Landfill Coverage Name: Rhondda Cynon Taff County Borough Council - Has supplied landfill data		0	8	292051 206516
39	Registered Landfill Sites Licence Holder: C J Lewis Licence Reference: 007 Site Location: Adj. Tower Washery, Hirwaun, Aberdare, Mid Glamorgan Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: Cartref The Bryn, Rhigos, HIRWAUN, Mid Glamorgan, CF44 8DX Authority: Environment Agency - Welsh Region, South East 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: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrendered]Cancelled Dated: 1st July 1983 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate Authorised Waste: Excavated Natural Materials & Hardcore And Rubble Prohibited Waste: Empty Used Containers Industrial Wastes Sludge Wastes Toxic/Poisonous Wastes	A9SW (SE)	928	1	294470 205821

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	<p>Registered Landfill Sites</p> <p>Licence Holder: Cynon Valley B.C. Licence Reference: RES Site Location: Hughes Patches Site, Rhigos Road, Hirwaun, Aberdare, Mid Glamorgan Licence Easting: 292900 Licence Northing: 206100 Operator Location: As Site Address Authority: Environment Agency - Welsh Region, South East Area Site Category: Landfill Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrendered Cancelled Dated: Not Supplied Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Accuracy: Not Applicable Authorised Waste: Domestic Refuse</p>	A7NW (SW)	928	1	292981 206159
41	<p>Registered Waste Treatment or Disposal Sites</p> <p>Licence Holder: E.M.S. Togo Ltd Licence Reference: 6/93 Site Location: Factory 1 Treherbert Road, Rhigos, Aberdare, Mid Glamorgan Operator Location: As Site Address Authority: Environment Agency - Welsh Region, South East Area Site Category: Recycling / Reclamation Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Site exempt from licence Exempt Dated: 1st January 1994 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Approximate location provided by supplier Boundary Quality: Not Supplied Authorised Waste: Polyurethane & Associated Packaging Pvc & Associated Packaging</p>	ABSE (S)	810	1	294000 205800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Lower Westphalian (mainly Productive Coal Measures)	A13NW (NW)	0	3	293585 207035
	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.	A15NW (E)	0	4	295000 207000
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Anup & Partners Boundary Quality: As Supplied	A23SE (N)	0	-	293880 208000
	Potential for Collapsible Ground Stability Hazards No Hazard				
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	3	293880 206850
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	3	293880 206850
	Potential for Compressible Ground Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	98	3	294100 206925
	Potential for Compressible Ground Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	134	3	293775 206550
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A14NW (E)	243	3	294250 206900
	Potential for Ground Dissolution Stability Hazards No Hazard				
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	3	293725 206850
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	3	293725 206850
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	16	3	293700 206800
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A8NE (SE)	196	3	294050 206425
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A8NE (SE)	228	3	294075 206400
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	3	293880 206850
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	3	293880 206850
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	21	3	293700 206850
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A14NW (E)	243	3	294250 206900
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	3	293700 206850
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	21	3	293700 206850

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	98	3	294100 206925
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	134	3	293775 206550
	Radon Affected Areas Description: Less than 1% of homes are above the Action Level Source: Health Protection Agency	A13NE (E)	0	5	294000 206792
	Radon Affected Areas Description: Less than 1% of homes are above the Action Level Source: Health Protection Agency	A13NE (E)	0	5	294000 206792
	Radon Affected Areas Description: Less than 1% of homes are above the Action Level Source: Health Protection Agency	A13NE (N)	41	5	293880 207000
	Radon Affected Areas Description: Less than 1% of homes are above the Action Level Source: Health Protection Agency	A13NE (NE)	60	5	294000 207000
	Radon Protection Measures Type: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A23SE (N)	0	3	294102 207797
	Shallow Mining Hazards Risk: Low-Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	3	293866 206863

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	Contemporary Trade Directory Entries Name: Hirwaun Location: Unit 13,14,Hirwaun Ind Est, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Tube Bending Status: Active Positional Accuracy: Manually positioned to the address or location	A13SE (S)	34	-	293874 206618
43	Contemporary Trade Directory Entries Name: Innova Precision Writing Points Ltd Location: Unit 11, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Writing & Drawing Materials - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	55	-	293824 206618
44	Contemporary Trade Directory Entries Name: Eden Industries Ltd Location: Unit 2, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9YN Classification: Shop Fittings Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (E)	71	-	294078 206833
45	Contemporary Trade Directory Entries Name: Dar Products Ltd Location: Unit 12-13 & 15, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	121	-	293827 206544
45	Contemporary Trade Directory Entries Name: Re-Work Solutions (Wales) Ltd Location: Unit 15,Hirwaun Ind Est, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Plastic Products - Manufacturers Status: Active Positional Accuracy: Manually positioned to the address or location	A13SW (S)	121	-	293826 206544
45	Contemporary Trade Directory Entries Name: Bosphorus Wales Food Location: Unit 18, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Food Products - Manufacturers Status: Active Positional Accuracy: Manually positioned to the address or location	A13SW (S)	123	-	293841 206535
45	Contemporary Trade Directory Entries Name: Sofa Link Location: Unit 17, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	126	-	293857 206525
45	Contemporary Trade Directory Entries Name: W G Lane & Son Location: Unit 17,Hirwaun Ind Est, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Commercial Vehicle Breakdown & Recovery Services Status: Active Positional Accuracy: Manually positioned to the address or location	A13SW (S)	126	-	293856 206524
46	Contemporary Trade Directory Entries Name: Cefn Strain Gauges Location: Unit L, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Tool Design, Manufacturers & Makers Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (S)	341	-	294058 206277
46	Contemporary Trade Directory Entries Name: Cabinet Makers & Designers Ltd Location: Unit S Hirwaun Indust Est, Aberdare, Mid Glamorgan, CF44 9UP Classification: Cabinet Makers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A8NE (S)	342	-	294058 206276
46	Contemporary Trade Directory Entries Name: Rod Technical Mouldings Location: L13 Hirwaun Ind Est, Hirwaun, Aberdare, Mid Glamorgan, CF44 9YL Classification: Plastics - Injection Moulding Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A8NE (S)	352	-	294078 206270

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
47	Contemporary Trade Directory Entries Name: Centillion Environment & Recycling Ltd Location: Unit 49, Hirwaun Ind Est, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Recycling Centres Status: Active Positional Accuracy: Manually positioned within the geographical locality	A8NE (S)	445	-	294114 208184
48	Contemporary Trade Directory Entries Name: Hitachi Home Electronic (Europe) Ltd Location: Unit 1-4 & 45, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UY Classification: Electrical Goods - Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	475	-	293669 208227
49	Contemporary Trade Directory Entries Name: Dyllas Engineering Co Ltd Location: Unit 40/41, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Engineering Materials Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (SE)	476	-	294170 208171
50	Contemporary Trade Directory Entries Name: The Authentic Curry Co Location: Unit 46, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Food Products - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A8SE (S)	545	-	294159 206093
50	Contemporary Trade Directory Entries Name: J D Burford Ltd Location: Unit 2D, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Metal Spinners Status: Active Positional Accuracy: Automatically positioned to the address	A8SE (S)	573	-	294158 206064
51	Contemporary Trade Directory Entries Name: W T Burden Ltd Location: Unit 45, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Builders' Merchants Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A7NE (SW)	563	-	293299 206348
51	Contemporary Trade Directory Entries Name: Burdens Location: Unit 45, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Builders' Merchants Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A7NE (SW)	563	-	293299 206348
52	Contemporary Trade Directory Entries Name: Burdens Location: Unit 45, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (SE)	563	-	294210 206094
53	Contemporary Trade Directory Entries Name: K P L Precision Tool & Die Sinking Ltd Location: Adjacent To Unit 9, Hirwaun Ind Est, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Tool Design, Manufacturers & Makers Status: Active Positional Accuracy: Manually positioned within the geographical locality	A7NE (SW)	609	-	293252 206330
54	Contemporary Trade Directory Entries Name: Twin County Fan Co Ltd Location: Unit D, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	627	-	293278 206278

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	Contemporary Trade Directory Entries Name: Universal Furniture Location: Hirwaun Ind Est, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Furniture Manufacturers - Home & Office Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A7NE (SW)	627	-	293278 206277
54	Contemporary Trade Directory Entries Name: Maxwell Welding & Engineering Supplies Location: Unit D, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Welding Equipment - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	627	-	293278 206278
54	Contemporary Trade Directory Entries Name: J D Burford Ltd Location: Unit D, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Metal Spinners Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	627	-	293278 206278
54	Contemporary Trade Directory Entries Name: Adelphi Waste Ltd Location: Unit D, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	627	-	293278 206278
55	Contemporary Trade Directory Entries Name: Premier Products Location: Unit S, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Powder Coatings Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	644	-	293068 206709
56	Contemporary Trade Directory Entries Name: Morgan & Brace Ltd Location: Unit B-C, K & M, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9YL Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	654	-	293173 206360
57	Contemporary Trade Directory Entries Name: Mike Jones Location: Tybryn Hir, Rhigos Road, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UG Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	679	-	293510 206075
58	Contemporary Trade Directory Entries Name: Houghton Vaughan Plc Location: Unit R, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9YW Classification: Lubricant Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	693	-	293033 206588
59	Contemporary Trade Directory Entries Name: Dare Valley Poultry Location: Unit 4, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Meat Product Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	703	-	293115 206358
60	Contemporary Trade Directory Entries Name: Web Engineering Ltd Location: Unit 20/21, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Engineers - General Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	739	-	293134 206269

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
61	Contemporary Trade Directory Entries Name: Dik Imports Location: Unit 23, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Trailers & Towing Equipment Status: Active Positional Accuracy: Manually positioned to the address or location	A7NW (SW)	744	-	293119 206281
61	Contemporary Trade Directory Entries Name: Chiltern Services Location: Unit 26, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	770	-	293083 206286
61	Contemporary Trade Directory Entries Name: Philtronics Ltd Location: Unit 28, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Electronic Equipment - Manufacturers & Assemblers Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	775	-	293068 206286
62	Contemporary Trade Directory Entries Name: Omc Plan Stairways Location: Unit 33, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Engineers - General Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	792	-	293025 206335
63	Contemporary Trade Directory Entries Name: Efec Ltd Location: Rhigos, Aberdare, Mid Glamorgan, CF44 9UE Classification: Chemical Manufacturers Status: Active Positional Accuracy: Manually positioned within the geographical locality	A3NE (S)	844	-	294004 205766
64	Contemporary Trade Directory Entries Name: Pinebeam Location: Unit H, Hirwaun Ind Est, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Joinery Manufacturers Status: Active Positional Accuracy: Manually positioned within the geographical locality	A11SE (W)	911	-	292834 206484
65	Contemporary Trade Directory Entries Name: Insole Technology Ltd Location: Unit 6, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Metal Finishing Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	917	-	292953 206214
65	Contemporary Trade Directory Entries Name: Willowchem Technology Location: Unit 6-7, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Chemicals - Distributors & Wholesalers Status: Active Positional Accuracy: Manually positioned to the address or location	A7NW (SW)	917	-	292953 206214
65	Contemporary Trade Directory Entries Name: Insole Technology Location: Unit 6,7, Hirwaun Ind Est, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Footwear Manufacturers & Wholesale Status: Inactive Positional Accuracy: Manually positioned to the address or location	A7NW (SW)	918	-	292952 206214
65	Contemporary Trade Directory Entries Name: Welsh Trust Electronics Ltd Location: Unit 8, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9YE Classification: Electronic Equipment - Manufacturers & Assemblers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	927	-	292939 206217

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
65	Contemporary Trade Directory Entries Name: Metal Polishing Engineers Ltd Location: Unit 8, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9YE Classification: Metal Finishing Services Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	927	-	292939 206217
66	Contemporary Trade Directory Entries Name: Ecr Concepts Location: Unit 28, Hirwaun Ind Est, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Cash Registers & Check-Out Equipment Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A11SE (W)	926	-	292826 206460
66	Contemporary Trade Directory Entries Name: Bartondale Engineering Co Ltd Location: Unit N, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Engineers - General Status: Active Positional Accuracy: Automatically positioned to the address	A6NE (W)	949	-	292809 206436
66	Contemporary Trade Directory Entries Name: Durmech Engineering Location: Unit N, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Engineers - General Status: Active Positional Accuracy: Manually positioned to the address or location	A6NE (W)	949	-	292809 206436
66	Contemporary Trade Directory Entries Name: Bartondale Engineering Ltd Location: Unit N, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Engineers - General Status: Active Positional Accuracy: Automatically positioned to the address	A6NE (W)	949	-	292809 206436
66	Contemporary Trade Directory Entries Name: Durmech Engineering Location: Unit N, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Engineers - General Status: Active Positional Accuracy: Manually positioned to the address or location	A6NE (W)	949	-	292809 206436
67	Contemporary Trade Directory Entries Name: R A P Location: Unit 43-44 Hirwaun Ind Est, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Hose, Tubing & Fittings Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A6NE (SW)	967	-	292832 206329
68	Contemporary Trade Directory Entries Name: N D Products Location: Unit P-t, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Printed Circuit Services Status: Active Positional Accuracy: Manually positioned to the address or location	A6NE (W)	988	-	292796 206358
68	Contemporary Trade Directory Entries Name: Ris Diagnostics & Repairs Location: Unit T, Hirwaun Ind Est, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Car Engine Tuning & Diagnostic Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A6NE (W)	989	-	292796 206357
68	Contemporary Trade Directory Entries Name: Tempakerb Ltd Location: Unit R, Hirwaun Ind Est, Hirwaun, Aberdare, Mid Glamorgan, CF44 9UP Classification: Plastic Products - Manufacturers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A6NE (W)	995	-	292781 206378

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
69	National Parks Name: Brecon Beacons Multiple Area: N Area (m2): 1349543936 Source: The National Assembly for Wales, GI Services (Department of Planning & Countryside) Status: Fully Designated - designated as a National Park Designation Date: 31st December 1955	A13NE (NW)	0	6	293872 206806
70	Sites of Special Scientific Interest Name: Cors Bryn - Y - Gaer Multiple Area: Y Area (m2): 486147.93 Source: Countryside Council for Wales Reference: 2470\33wbn Designation Details: Biological Designation Date: 13th March 2002 Date Type: Notified	A13SE (E)	114	7	294132 206698
71	Sites of Special Scientific Interest Name: Woodland Park And Pontpren Multiple Area: Y Area (m2): 25831.71 Source: Countryside Council for Wales Reference: 1845\33waa Designation Details: Biological Designation Date: 27th January 2000 Date Type: Notified	A19SE (E)	731	7	294699 207129
72	Sites of Special Scientific Interest Name: Woodland Park And Pontpren Multiple Area: Y Area (m2): 86344.33 Source: Countryside Council for Wales Reference: 1845\33waa Designation Details: Biological Designation Date: 27th January 2000 Date Type: Notified	A19NE (NE)	868	7	294646 207514
73	Special Areas of Conservation Name: Blaen Cynon Multiple Area: Y Area (m2): 486147.79 Source: Countryside Council for Wales Reference: UK0030092 Status: Designated	A13SE (E)	114	7	294132 206698
74	Special Areas of Conservation Name: Blaen Cynon Multiple Area: Y Area (m2): 25831.72 Source: Countryside Council for Wales Reference: UK0030092 Status: Designated	A19SE (E)	731	7	294699 207129
75	Special Areas of Conservation Name: Blaen Cynon Multiple Area: Y Area (m2): 86344.3 Source: Countryside Council for Wales Reference: UK0030092 Status: Designated	A19NE (NE)	868	7	294646 207514













Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Rhondda Cynon Taff County Borough Council - Public Health and Protection Merthyr Tydfil County Borough Council - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department Powys County Council - Public Protection Department	December 2006 February 2007 January 2007 May 2007	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Welsh Region	July 2007	Quarterly
Enforcement and Prohibition Notices Environment Agency - Welsh Region	October 2007	As notified
Integrated Pollution Controls Environment Agency - Welsh Region	January 2007	Quarterly
Integrated Pollution Prevention And Control Environment Agency - Welsh Region	July 2007	Quarterly
Local Authority Integrated Pollution Prevention And Control Neath Port Talbot County Borough Council - Environmental Health Department Powys County Council - Public Protection Department Rhondda Cynon Taff County Borough Council - Public Health and Protection Division Merthyr Tydfil County Borough Council - Environmental Health Department	April 2007 August 2007 May 2007 November 2006	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Controls Neath Port Talbot County Borough Council - Environmental Health Department Powys County Council - Public Protection Department Rhondda Cynon Taff County Borough Council - Public Health and Protection Division Merthyr Tydfil County Borough Council - Environmental Health Department	April 2007 August 2007 May 2007 November 2006	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Neath Port Talbot County Borough Council - Environmental Health Department Powys County Council - Public Protection Department Rhondda Cynon Taff County Borough Council - Public Health and Protection Division Merthyr Tydfil County Borough Council - Environmental Health Department	April 2007 August 2007 May 2007 November 2006	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Nearest Surface Water Feature Ordnance Survey	July 2007	Quarterly
Pollution Incidents to Controlled Waters Environment Agency - Welsh Region	December 1998	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Welsh Region	October 2007	As notified
Prosecutions Relating to Controlled Waters Environment Agency - Welsh Region	October 2007	As notified
Registered Radioactive Substances Environment Agency - Welsh Region	July 2007	Quarterly
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	October 2006	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	October 2006	Annually
Substantiated Pollution Incident Register Environment Agency - Welsh Region - South East Area Environment Agency - Welsh Region - South West Area	July 2007 July 2007	Quarterly Quarterly
Water Abstractions Environment Agency - Welsh Region	July 2007	Quarterly
Water Industry Act Referrals Environment Agency - Welsh Region	July 2007	Quarterly

Agency & Hydrological	Version	Update Cycle
Groundwater Vulnerability Environment Agency - Head Office	January 1999	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Source Protection Zones Environment Agency - Head Office	April 2005	Variable
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	April 2007	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	April 2007	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	April 2007	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	April 2007	Quarterly
Flood Defences Environment Agency - Head Office	April 2007	Quarterly
Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Integrated Pollution Control Registered Waste Sites Environment Agency - Welsh Region	July 2007	Quarterly
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Welsh Region - South East Area Environment Agency - Welsh Region - South West Area	August 2007 August 2007	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Welsh Region - South East Area Environment Agency - Welsh Region - South West Area	August 2007 August 2007	Quarterly Quarterly
Local Authority Landfill Coverage Merthyr Tydfil County Borough Council - Environmental Health Department Neath Port Talbot County Borough Council - Environmental Health Department Powys County Council Rhondda Cynon Taff County Borough Council	May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Merthyr Tydfil County Borough Council - Environmental Health Department Powys County Council Rhondda Cynon Taff County Borough Council Neath Port Talbot County Borough Council - Environmental Health Department	May 2000 May 2000 May 2000 September 2003	Not Applicable Not Applicable Not Applicable Not Applicable
Registered Landfill Sites Environment Agency - Welsh Region - South East Area Environment Agency - Welsh Region - South West Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - Welsh Region - South East Area Environment Agency - Welsh Region - South West Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Welsh Region - South East Area Environment Agency - Welsh Region - South West Area	March 2003 March 2003	Not Applicable Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	October 2007	Bi-Annually
Explosive Sites Health and Safety Executive	August 2007	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Brecon Beacons National Park Rhondda Cynon Taff County Borough Council - Planning Department Merthyr Tydfil County Borough Council - Planning Department Neath Port Talbot County Borough Council - Planning Department Powys County Council - Planning Department	November 2006 October 2006 September 2007 September 2007 September 2007	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Consents Brecon Beacons National Park Rhondda Cynon Taff County Borough Council - Planning Department Merthyr Tydfil County Borough Council - Planning Department Neath Port Talbot County Borough Council - Planning Department Powys County Council - Planning Department	November 2006 October 2006 September 2007 September 2007 September 2007	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Geological	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	October 2007	Bi-Annually
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
Coal Mining Affected Areas The Coal Authority - Mining Report Service	January 2006	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Natural and Mining Cavities Peter Brett Associates	December 2005	Variable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	November 2006	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	November 2006	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	November 2006	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2007	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	November 2006	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	November 2006	Annually
Radon Affected Areas Health Protection Agency	January 2003	Not Applicable
Radon Protection Measures British Geological Survey - National Geoscience Information Service	August 2002	Variable
Shallow Mining Hazards British Geological Survey - National Geoscience Information Service	August 2002	Not Applicable

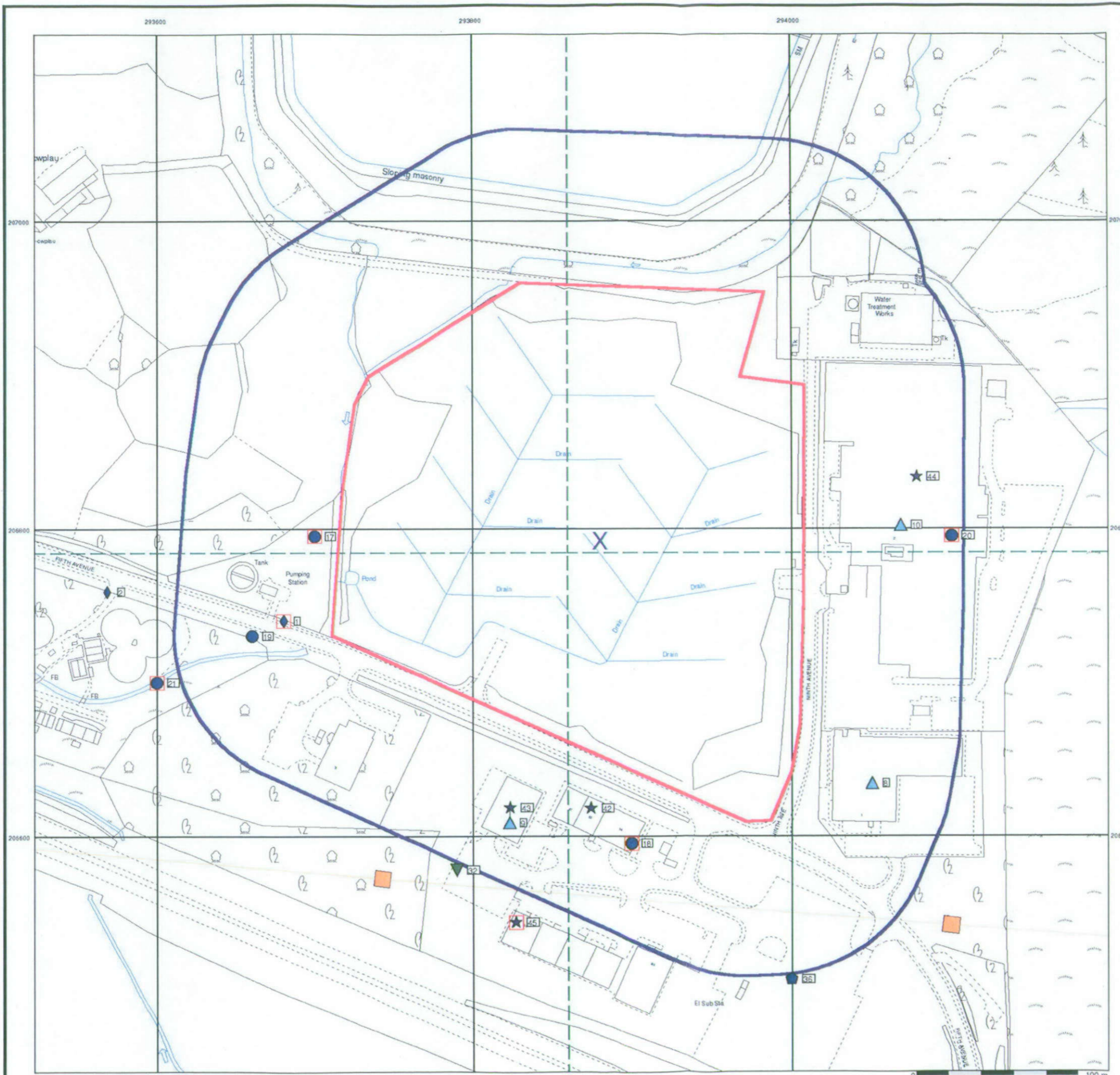
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	August 2007	Quarterly
Fuel Station Entries Catalist Ltd - (Fuel Station Data)	October 2007	Quarterly
Sensitive Land Use	Version	Update Cycle
Areas of Outstanding Natural Beauty Countryside Council for Wales	August 2007	Bi-Annually
Environmentally Sensitive Areas The National Assembly for Wales - GI Services (Department of Planning & Countryside)	June 2006	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Merthyr Tydfil County Borough Council Neath Port Talbot County Borough Council Powys County Council Rhondda Cynon Taff County Borough Council	August 2007 August 2007 August 2007 August 2007	Bi-Annually Bi-Annually Bi-Annually Bi-Annually
Marine Nature Reserves Countryside Council for Wales	August 2007	Bi-Annually
National Nature Reserves Countryside Council for Wales	August 2007	Bi-Annually
National Parks The National Assembly for Wales - GI Services (Department of Planning & Countryside)	June 2006	Annually
Nitrate Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2003	Not Applicable
Nitrate Vulnerable Zones The National Assembly for Wales - GI Services (Department of Planning & Countryside)	October 2005	Annually
Ramsar Sites Countryside Council for Wales	August 2007	Bi-Annually
Sites of Special Scientific Interest Countryside Council for Wales	August 2007	Bi-Annually
Special Areas of Conservation Countryside Council for Wales	August 2007	Bi-Annually
Special Protection Areas Countryside Council for Wales	August 2007	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	
Centre for Ecology and Hydrology	
Countryside Council for Wales	
Scottish Natural Heritage	
Natural England	
Health Protection Agency	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
1	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
2	Rhondda Cynon Taff County Borough Council - Public Health and Protection Division Community Services, RCT Borough Council, Dinas Esaf Estate, Williamstown, RCT, CF40 1NY	Telephone: 01443 442100 Website: www.rhondda-cynon-taff.gov.uk
3	British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
4	The Coal Authority - Mining Report Service 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0845 7626848 Email: thecoalauthority@coal.gov.uk
5	Health Protection Agency Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 831600 Fax: 01235 833891
6	The National Assembly for Wales - GI Services (Department of Planning & Countryside) Yr Hen Ysgol Gymraeg, Alexandria Road, Aberystwyth, Ceredigion, SY23 1LD	Telephone: 02920 825111 Website: www.wales.gov.uk
7	Countryside Council for Wales Plas Penrhose, Fford Penrhos, Bangor, Gwynedd, LL57 2LQ	Telephone: 01248 385500 Fax: 01248 355782
8	Rhondda Cynon Taff County Borough Council Headquarters - The Pavillions, Cambrian Park, Clydach Vale, Rhondda, CF40 2XX	Telephone: 01443 424000 Fax: 01443 424024 Website: www.rhondda-cynon-taff.gov.uk
-	Landmark Information Group Limited The Smith Centre, Henley On Thames, Oxfordshire, RG9 6AB	Telephone: 0870 850 6670 Fax: 0870 850 6671 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

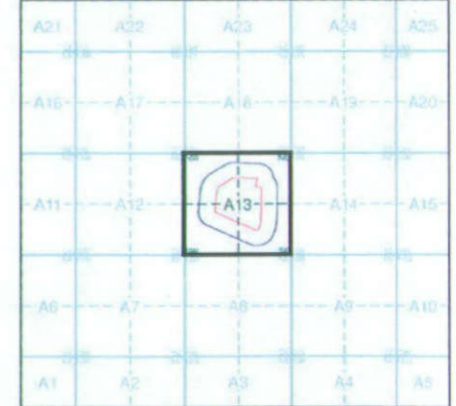


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- General**
- Specified Site
 - Specified Buffer(s)
 - Several of Type at Location
 - Bearing Reference Point
 - Overhead Transmission Line
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register 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
 - 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
- Waste**
- BOS Recorded Landfill Site (Location)
 - BOS 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
 - 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
- Geological**
- BGS Recorded Mineral Site
- Industrial Land Use**
- Contemporary Trade Directory Entry
 - Fuel Station Entry
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement

Site Sensitivity Map - Segment A13



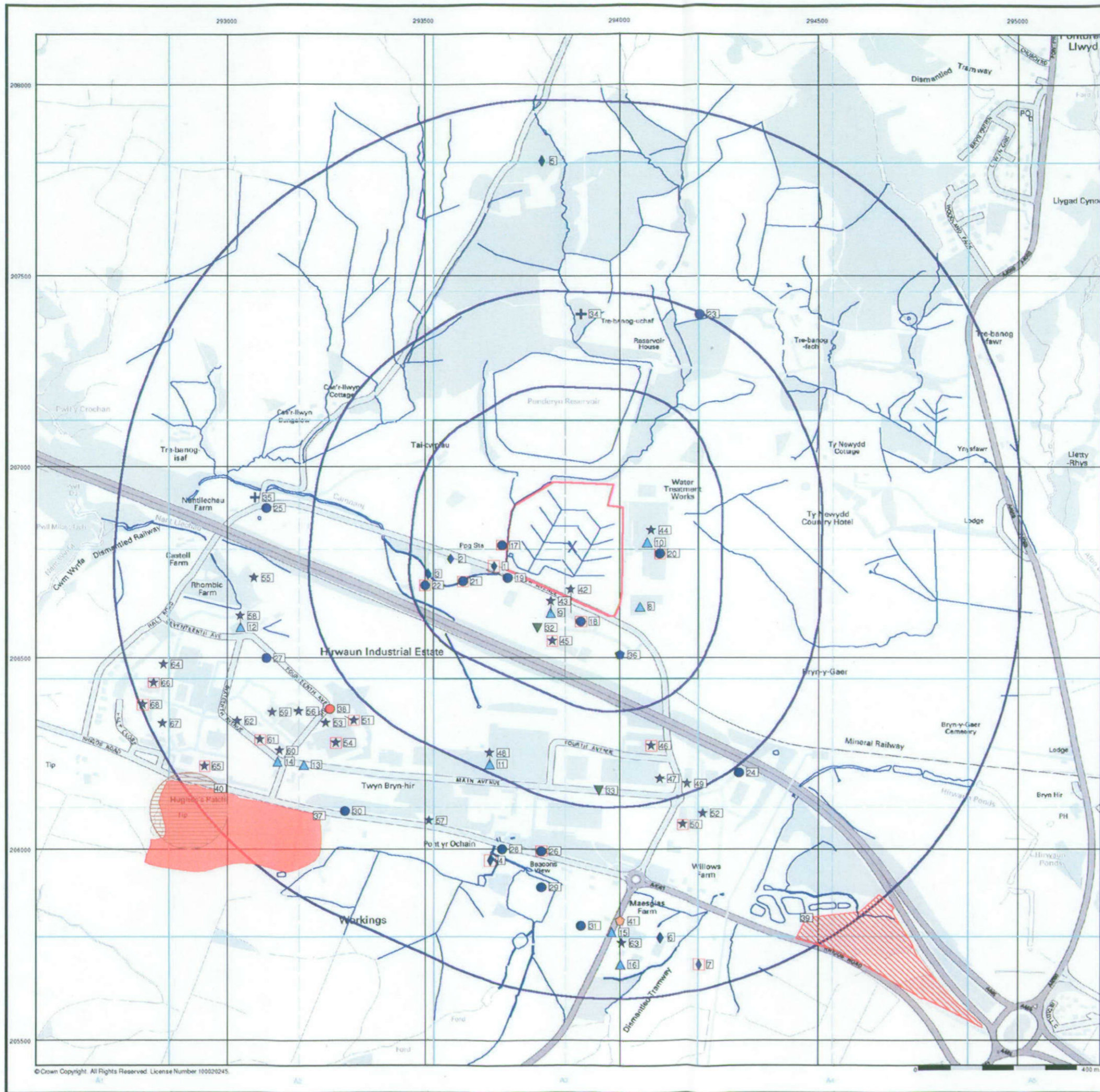
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 Customer Ref: 0067887.03.01
 National Grid Reference: 293880, 206790
 Slice: A
 Site Area (Ha): 7.96
 Plot Buffer (m): 100

Site Details
 Site at, Hirwaun, Rhondda, Cynon, Taff

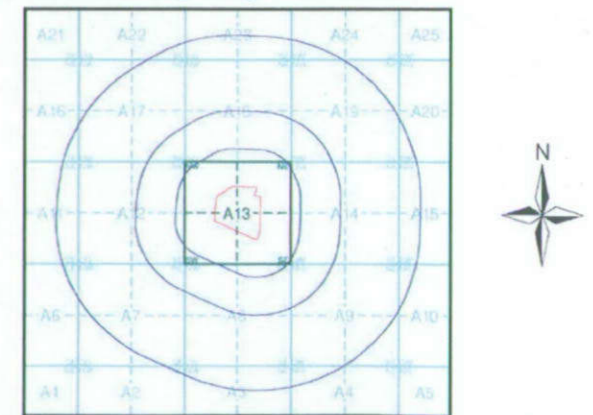
LANDMARK
 Information Group

Tel: 0870 850 6670
 Fax: 0870 850 6671
 Web: www.envirocheck.co.uk



- 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
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 - 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
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BOS Recorded Mineral Site
- Industrial Land Use**
- Contemporary Trade Directory Entry
 - Fuel Station Entry

Site Sensitivity Map - Slice A

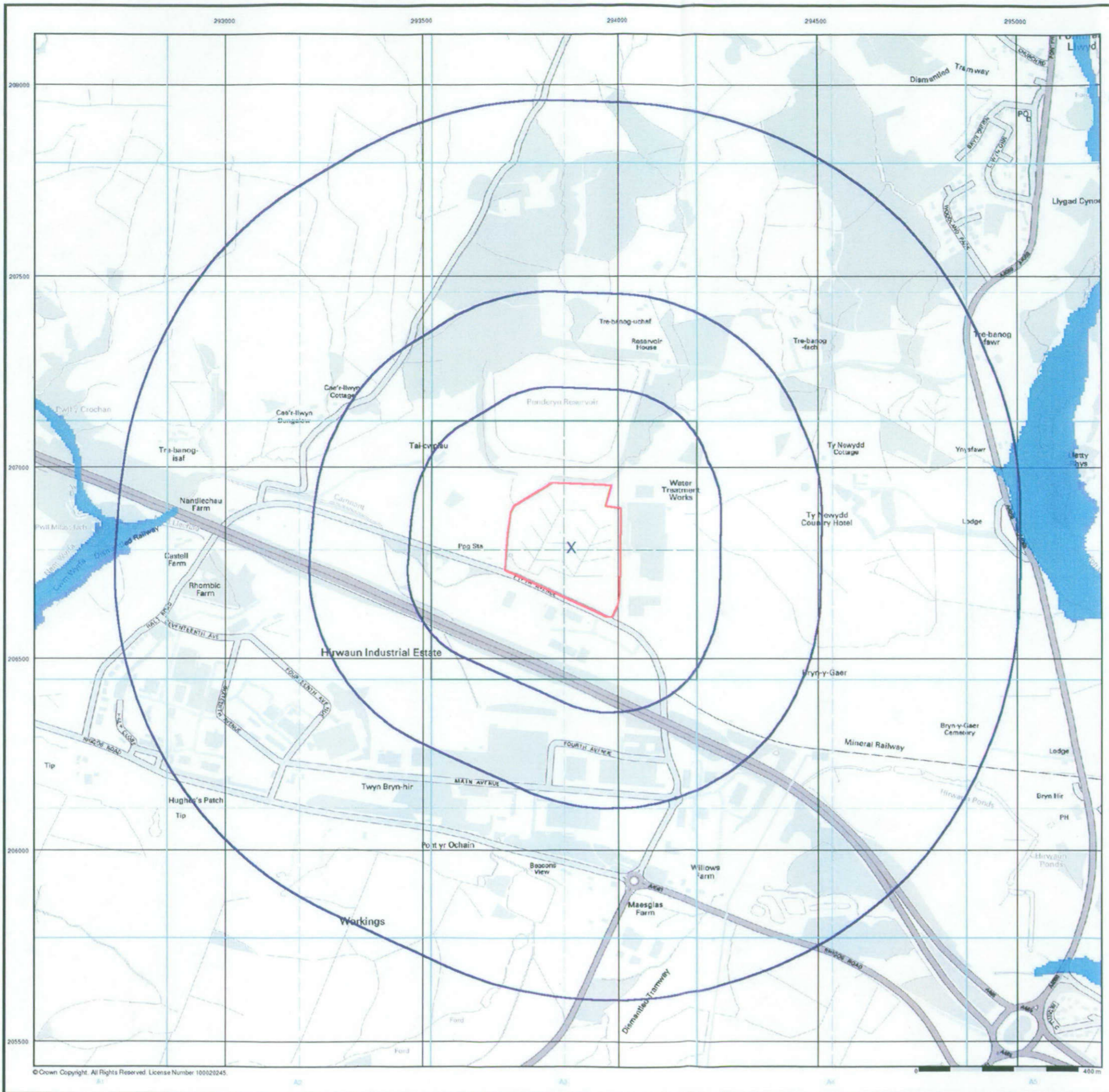


Order Details

Order Number: 23315733_1_1
 Customer Ref: 0067887.03.01
 National Grid Reference: 293880, 206790
 Slice: A
 Site Area (Ha): 7.96
 Search Buffer (m): 1000

Site Details

Site at, Hirwaun, Rhondda, Cynon, Taff



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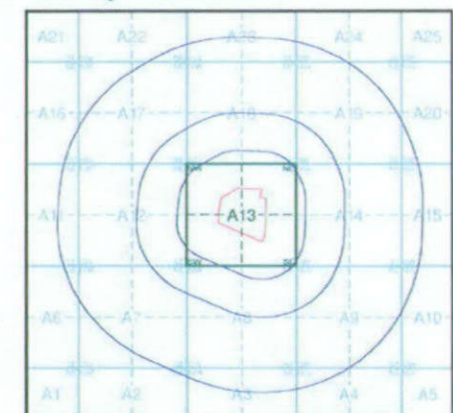
General

- Specified Site
- Specified Buffer(s)
- X 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

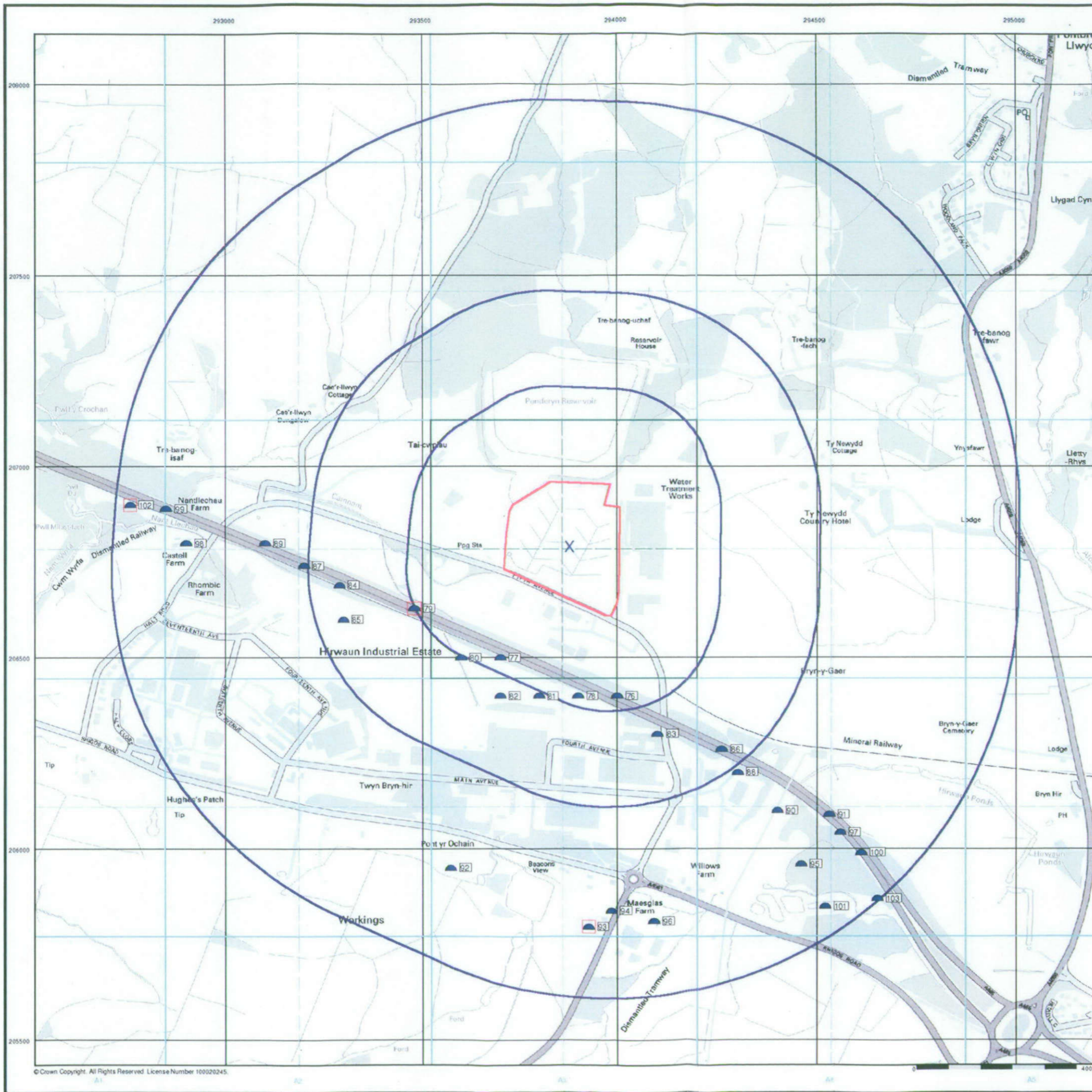
Order Number: 23315733_1_1
 Customer Ref: 0067887.03.01
 National Grid Reference: 293880, 206790
 Slice: A
 Site Area (Ha): 7.96
 Search Buffer (m): 1000

Site Details

Site at, Hirwaun, Rhondda, Cynon, Taff



Tel: 0870 850 6670
 Fax: 0870 850 6671
 Web: www.envirocheck.co.uk



General

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

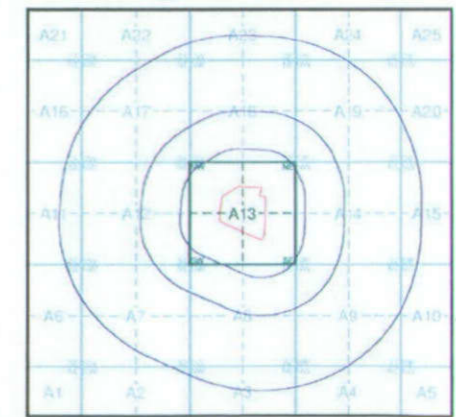
Agency and Hydrological (Boreholes)

- BGS Borehole

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: 23315733_1_1
 Customer Ref: 0067887.03.01
 National Grid Reference: 293880, 206790
 Slice: A
 Site Area (Ha): 7.96
 Search Buffer (m): 1000

Site Details

Site at, Hirwaun, Rhondda,Cynon,Taff



Tel: 0870 850 6670
 Fax: 0870 850 6671
 Web: www.envirocheck.co.uk

Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 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 (Fenced/Un-Fenced)
- Minor Roads (Fenced/Un-Fenced)
- 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
- Co. Boro. Bdy.
- Co. Burgh Bdy.
- RD. Bdy.
- 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
- Coppice
- Bracken
- Heath
- Rough Grassland
- Marsh
- Reeds
- Saltings
- Building
- Glasshouse
- Sloping Masonry
- Pylon
- Electricity Transmission Line
- Pole
- Cutting
- Embankment
- 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 (Shown only when not coincident with other boundaries)
- Civil Parish (Shown alternately when coincidence of boundaries occurs)
- BP, BS Boundary Post or Stone
- Ch Church
- CH Club House
- F E Sta Fire Engine Station
- FB Foot Bridge
- Fn Fountain
- GP Guide Post
- MP Mile Post
- MS Mile Stone
- Pol Sta Police Station
- PO Post Office
- PC Public Convenience
- PH Public House
- SB Signal Box
- Spr Spring
- TCB Telephone Call Box
- TCP Telephone Call Post
- W Well
- BM 123.45 m Bench mark (where shown)
- Point feature (e.g. Guide Post or Mile Stone)
- Site of (antiquity)
- General Building
- Important Building

1:10,000 Raster Mapping

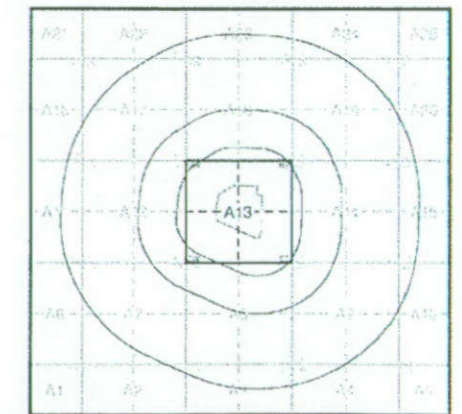
- Gravel Pit
- Rock
- Boulders
- Shingle
- Sand
- Slopes
- General detail
- Overhead detail
- Multi-track railway
- County boundary (England only)
- District, Unitary, Metropolitan, London Borough boundary
- Area of wooded vegetation
- Non-coniferous trees
- Non-coniferous trees (scattered)
- Coniferous trees
- Coniferous trees (scattered)
- Orchard
- Rough Grassland
- Scrub
- Water feature
- MHW(S) Mean high water (springs)
- Telephone line (where shown)
- BM 123.45 m Bench mark (where shown)
- Point feature (e.g. Guide Post or Mile Stone)
- Site of (antiquity)
- General Building
- Refuse tip or slag heap
- Rock (scattered)
- Boulders (scattered)
- Mud
- Sand Pit
- Top of cliff
- Underground detail
- Narrow gauge railway
- Single track railway
- Civil, parish or community boundary
- Constituency boundary
- Non-coniferous trees
- Coniferous trees
- Positioned tree
- Coppice or Osiers
- Heath
- Marsh, Salt Marsh or Reeds
- Flow arrows
- MLW(S) Mean low water (springs)
- Electricity transmission line (with poles)
- Triangulation station
- Pylon, flare stack or lighting tower
- Glasshouse
- Important Building



Ordnance Survey mapping included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:10,560	1883 - 1885	2
Brecknockshire	1:10,560	1891 - 1892	3
Glamorganshire	1:10,560	1900 - 1901	4
Brecknockshire	1:10,560	1905 - 1906	5
Brecknockshire	1:10,560	1921 - 1922	6
Glamorganshire	1:10,560	1921	7
Glamorganshire	1:10,560	1938 - 1953	8
Brecknockshire	1:10,560	1951 - 1953	9
Ordnance Survey Plan	1:10,560	1964	10
Ordnance Survey Plan	1:10,560	1968 - 1969	11
Ordnance Survey Plan	1:10,000	1978 - 1981	12
10K Raster Mapping	1:10,000	1999 - 2000	13
10K Raster Mapping	1:10,000	2007	14

Historical Map - Slice A



Order Details

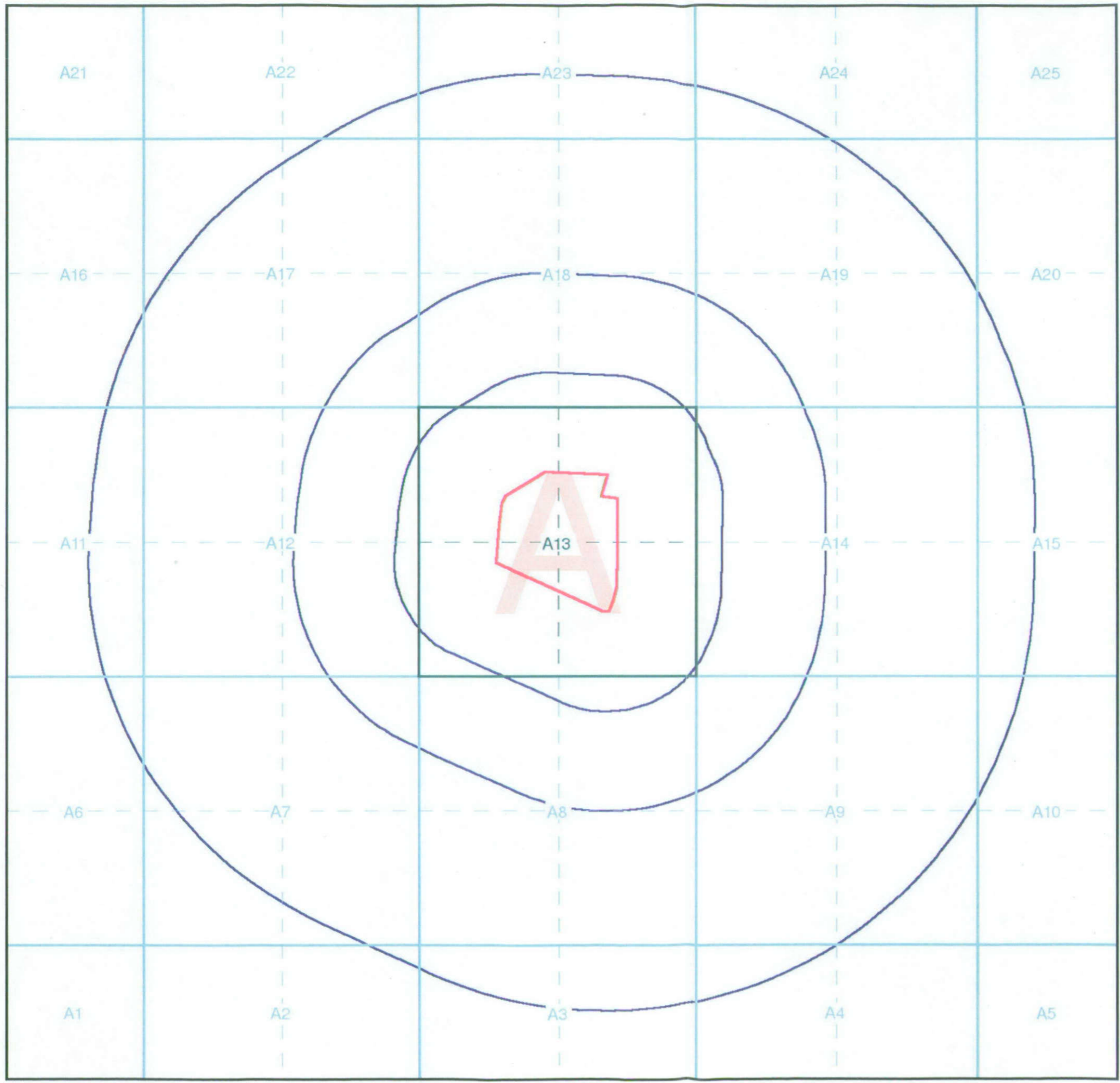
Order Number: 23315733_1_1
 Customer Ref: 0067887.03.01
 National Grid Reference: 293880, 206790
 Slice: A
 Site Area (Ha): 7.96
 Search Buffer (m): 1000

Site Details

Site at, Hirwaun, Rhondda, Cynon, Taff



Tel: 0870 850 6670
 Fax: 0870 850 6671
 Web: www.envirocheck.co.uk



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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 F Coffman, ERM, Eaton House, Wallbrook Court, North Hinksley Lane, Oxford, OX2 0QS

Order Details

Order Number: 23315733_1_1
 Customer Ref: 0067887.03.01
 National Grid Reference: 293870, 206800
 Site Area (Ha): 7.96
 Search Buffer (m): 1000

Site Details

Site at, Hirwaun, Rhondda, Cynon, Taff



Tel: 0870 850 6670
 Fax: 0870 850 6671
 Web: www.envirocheck.co.uk

LANDMARK TERMS AND CONDITIONS

Version 6.04 28 Jul 2007

Definitions

"Authorised Reseller" means an agent or reseller of Landmark whom Landmark has duly appointed to resell its Reports and Services.
"Content" means any data, computing and information services and software, and other content and documentation or support materials and updates included in and/or supplied by or through the Websites, in Reports or Services or in any other way by Landmark and shall include Landmark developed and Third Party Content.
"First Purchaser" means the first person, or legal entity to purchase the Property Site following provision of a Report.
"First Purchaser's Lender" means the funding provider for the First Purchaser.
"Information Pack" means a pack compiled by or on behalf of the owner or prospective buyer of the Property Site, designed to aid the marketing or purchase of the Property Site and containing information provided by or on behalf of the owner or prospective buyer of the Property Site.
"Intellectual Property Rights" means copyright, patent, design right (registered or unregistered), service or trade mark (registered or unregistered), database right or other data right, moral right or know how or any other intellectual property right.
"Order" means the request for Services from Landmark by You.
"Property Site" means a land site on which Landmark provides a Service.
References to "We", "Us" and "Our" are references to Landmark Information Group Limited ("Landmark"), whose registered office is 7 Abbey Court, Eagle Way, Exeter, EX2 7HY. Where You are not ordering the Services directly from Landmark, but from an Authorised Reseller, references to "Landmark" or "We", "Us" and "Our" shall be construed so as to mean either Landmark and/or the Authorised Reseller as the context shall indicate.
References to "You/Your/Yourself" refer to the contracting party who accesses the Website or places an Order with Landmark.
"Report" includes any information that Landmark supplies to You including all reports, services, datasets, software or information contained in them.
"Services" means the provision of any service by Landmark pursuant to these Terms, including without limitation, any Report.
"Landmark Fees" means any charges levied by Landmark for Services provided to You.
"Suppliers" means any organisation who provides data or information of any form to Landmark.
"Terms" means these Terms & Conditions.
"Third Party Content" means the services, software, information and other content or functionality provided by third parties and linked to or contained in the Services.
"Websites" means websites hosted by Landmark and includes the Content and any report, service, document, data-set, software or information contained therein, derived there from or thereby.
1. Terms & Conditions
a. These Terms govern the relationship between You and Landmark whether You are an unregistered visitor to the Website or are purchasing Services. Where these Terms are not expressly accepted by You they will be deemed to have been accepted by You, and You agree to be bound by these Terms when You place any Order, or pay for any Services provided.
b. If the person communicating with Landmark is an Authorised Reseller, they must ensure that You agree to these Terms.
c. The headings in these Terms are for convenience only and shall not affect the meaning or interpretation of any part of these Terms.
d. Landmark may modify these Terms, and may discontinue or revise any or all other aspects of the Services at its sole discretion, with immediate effect and without prior notice, including without limitation changing the Services available at any given time. Any amendment or variation to these Terms shall be posted on our Websites. Continued use of the Services by You shall be deemed an acceptance by You to be bound by any such amendments to the Terms.
e. These Terms, together with the prices and delivery details set out on our Websites, Landmark's Privacy Policy and Your Order comprise the whole agreement relating to the supply of Services to You by Landmark. No prior stipulation, agreement, promotional material or statement whether written or oral made by any sales or other person or representative on our behalf should be understood as a variation of these Terms. Save for fraud or misrepresentation, Landmark shall have no liability for any such representation being untrue or misleading.
f. These Terms shall prevail at all times to the exclusion of all other terms and conditions including any terms and conditions which You may purport to apply even if such other provisions are submitted in a later document or purport to exclude or override these Terms and neither the course of conduct between parties nor trade practice shall act to modify these Terms.
2. Services
a. Landmark will use reasonable care and skill in providing the Services to You, however, the Services are provided on the express basis that the information and data supplied in the Services are derived from third party sources and Landmark does not warrant the accuracy or completeness of such information or data. Such information is derived solely from those sources specifically cited in the Services and Landmark does not claim that these sources represent an exhaustive or comprehensive list of all sources that might be consulted.

3. Intellectual Property

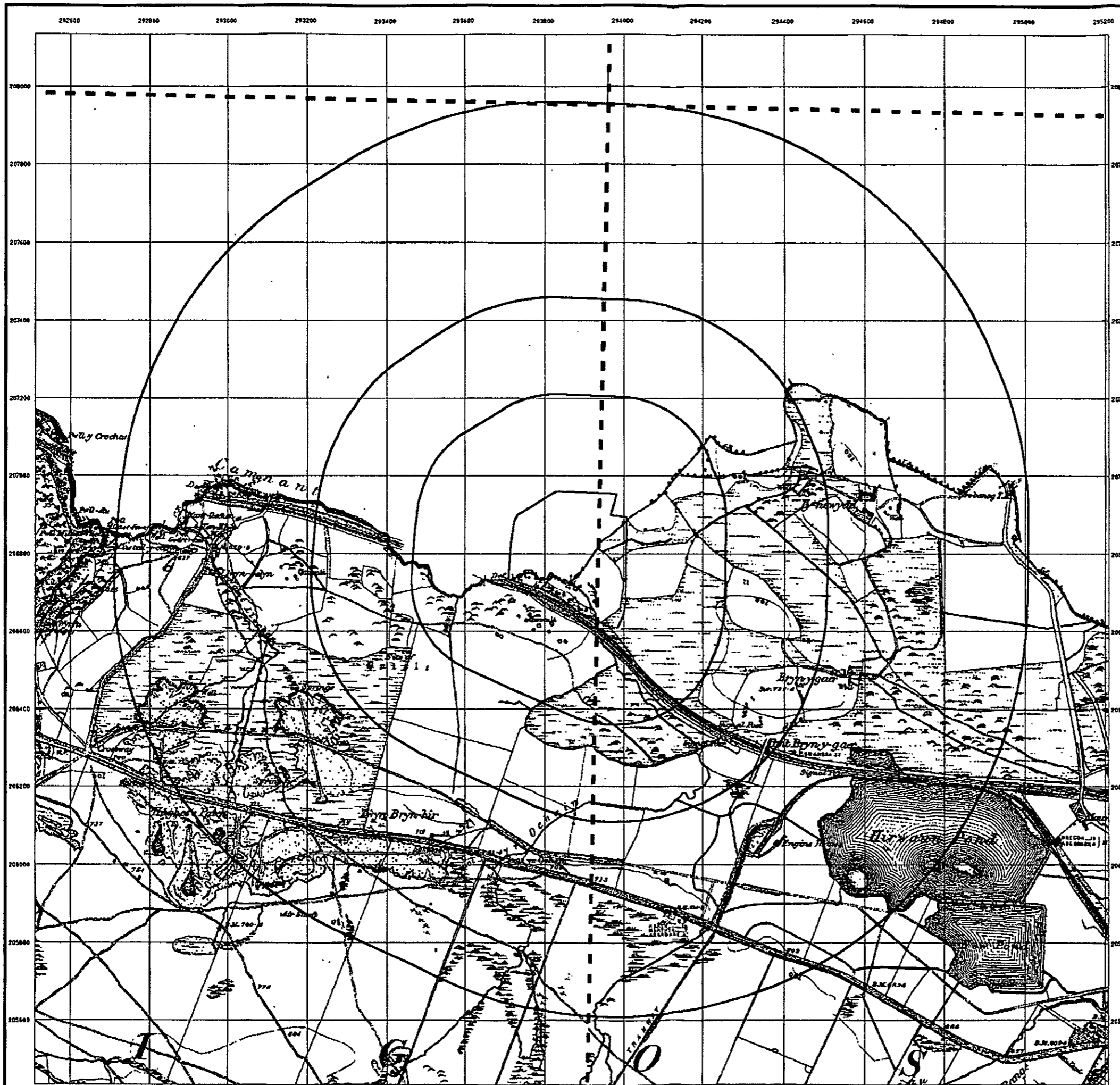
a. You acknowledge that all Intellectual Property Rights in the Services are and shall remain owned by either Landmark or our Suppliers and nothing in these Terms purports to transfer, assign or grant any rights to You in respect of the Intellectual Property Rights.
b. Subject always to these Terms You may, without further charge, make the Services available to:
i. the owner of the Property at the date of the Report,
ii. any person who purchases the whole of the Property Site,
iii. any person who provides funding secured on the whole of the Property Site,
iv. any person for whom You act in a professional or commercial capacity,
v. any person who acts for You in a professional or commercial capacity, and
vi. prospective buyers of the Property Site as part of an Information Pack but for the avoidance of doubt, Landmark shall have no liability to such prospective buyer unless the prospective buyer subsequently purchases the Property Site, and the prospective (or actual) buyer shall not be entitled to make the Service available to any other third party.
Accordingly Landmark shall have the same duties and obligations to those persons in respect of the Services as it has to You.
c. Each of those persons referred to in clause 3.b. shall have the benefit and the burden of Your rights and obligations under these Terms. The limitations of Landmark's liability as set out in clause 6 shall apply to all users of the Service in question in aggregate and Landmark shall not be liable to any other person.
d. All parties given access to the Services agree that they will treat as strictly private and confidential the Services and all information which they obtain from the Services and shall restrict any disclosure to employees or professional advisors to enable the relevant party to conduct its internal business. The requirement in this clause to treat the Services as confidential shall include a requirement to maintain adequate security measures to safeguard the Services from unauthorised access, use or copying.
e. Each recipient of the Services agrees (and agrees it will cause its employees, agents or contractors who may from time to time have access to the Services to agree) it will not, except as permitted herein or by separate agreement with Landmark:
i. effect or attempt to effect any modification, merger or change to the Service, nor permit any other person to do so;
ii. copy, use, market, re-sell, distribute, merge, alter, add to or carry on any redistribution, reproduction, translation, publication, reduction to any electronic medium or machine readable form or commercially exploit or in any other way deal with or utilise or (except as expressly permitted by applicable law) reverse engineer, decompile or disassemble the Services, Content or Website; or
iii. remove, alter or in any way change any trademark or proprietary marking in any element of the Services and You shall acknowledge the ownership of the Content, where such Content is incorporated or used into Your own documents, reports, systems or services whether or not these are supplied to any third party.
iv. creates any product which is derived directly or indirectly from the data contained in the Services
f. The mapping contained in any Services is protected by Crown Copyright and must not be used for any purpose outside the context of the Services or as specifically provided by these Terms.
g. You are permitted to make five copies of any Report, but are not authorised to re-sell the Report, any part thereof or any copy thereof unless you are an Authorised Reseller. Further copies may not be made in whole or in part without the prior written permission of Landmark who shall be entitled to make a charge for each additional copy.
4. Charges
a. VAT at the prevailing rate shall be payable in addition to the Landmark Fees. You shall pay any other applicable indirect taxes related to Your use of the Services.
b. An individual or a monthly invoice showing all Orders created by You will be generated subject to these Terms. You will pay the Landmark Fees at the rates set out in Landmark's or its Authorised Reseller's invoices. The Landmark Fees are payable in full within 30 days without deduction, counterclaim or set off. You acknowledge that time is of the essence with respect to the payment of such invoices. Landmark reserves the right to amend the Landmark Fees from time to time and the Services will be charged at the Landmark Fee applicable at the date on which the Service is ordered.
c. We may charge interest on late payment at a rate equal to 3% per annum above the base lending rate of National Westminster Bank plc.
d. Landmark or its Authorised Reseller shall not be obliged to invoice any party other than You for the provision of Services, but where Landmark or its Authorised Reseller does so invoice any third party at Your request, and such invoice is not accepted or remains unpaid, Landmark or its Authorised Reseller shall have the option at any time to cancel such invoice and invoice You direct for such Services. Where Your order comprises a number of Services or severable elements within any one or more Services, any failure by Landmark or its Authorised Reseller to provide an element or elements of the Services

shall not prejudice Landmark's or its Authorised Reseller's ability to require payment in respect of the Services delivered to You.
5. Termination
a. Landmark may suspend or terminate Your rights under these Terms without any liability to You with immediate effect if at any time:
i. You fail to make any payment due in accordance with clause 4;
ii. You repeatedly breach or commit or cause to be committed any material breach of these Terms; or
iii. You commit a breach and You fail to remedy the breach within 7 days of receipt of a written notice to do so; additionally, without prejudice to the foregoing, Landmark may remedy the breach and recover the costs thereof from You.
b. If Your rights are terminated under this clause and You have made an advance payment We will refund You a reasonable proportion of the balance as determined by Us in relation to the value of Services previously purchased.
c. Landmark reserves the right to refuse to supply any or all Services to You without notice or reason.
6. Liability
a. We provide warranties and accept liability only to the extent stated in this clause 6 and clause 7.
b. Nothing in these Terms excludes either party's liability for death or personal injury caused by that party's negligence or willful default, and the remainder of this clause 6 is subject to this provision and Your statutory rights.
c. As most of the information contained in the Services is provided to Landmark by others, Landmark cannot control its accuracy or completeness, nor is it within the scope of Landmark's Services to check the information on the ground. Accordingly, Landmark will only be liable to You for any loss or damage caused by its negligence or willful default and subject to clause 6.o below neither Landmark nor any person providing information contained in any Services shall in any circumstances be liable for any inaccuracies, faults or omissions in the Services, nor shall Landmark have any liability if the Services are used otherwise than in accordance with these Terms.
d. Save as precluded by law, Landmark shall not be liable for any indirect or consequential loss, damage or expenses (including loss of profits, loss of contracts, business or goodwill) howsoever arising out of any problem, event, action or default by Landmark.
e. In any event, and notwithstanding anything contained in these Terms, Landmark's liability in contract, tort (including negligence or breach of statutory duty) or otherwise howsoever arising by reason or in connection with this Contract (except in relation to death or personal injury) shall be limited to an aggregate amount not exceeding £1 million if the claimant is in relation to a Report on residential property and an aggregate amount not exceeding £10 million in respect of any other Report or Service purchased from Landmark.
f. Landmark will not be liable for any defect, failure or omission relating to Services that is not notified to Landmark within six months of the date of the issue becoming apparent and in any event, within twelve years of the date of the Service.
g. You acknowledge that:
i. Subject to clause 6.o below You shall have no claim or recourse against any Third Party Content supplier nor any of our other Suppliers. You will not in any way hold us responsible for any selection or retention of, or the acts or omissions of Third Party Content suppliers or other Suppliers (including those with whom We have contracted to operate various aspects or parts of the Service) in connection with the Services (for the avoidance of doubt Landmark is not a Third Party Content supplier). Landmark does not promise that the supply of the Services will be uninterrupted or error free or provide any particular facilities or functions, or that the Content will always be complete, accurate, precise, free from defects of any other kind, computer viruses, software locks or other similar code although Landmark will use reasonable efforts to correct any inaccuracies within a reasonable period of them becoming known to us;
ii. Landmark's only obligation is to exercise reasonable skill and care in providing environmental property risk information to persons acting in a professional or commercial capacity who are skilled in the use of property and environmental information and You hereby acknowledge that You are such a person;
iii. no physical inspection of the Property Site reported on is carried out as part of any Services offered by Landmark and Landmark do not warrant that all land uses or features whether past or current will be identified in the Services. The Services do not include any information relating to the actual state or condition of any Property Site nor should they be used or taken to indicate or exclude actual fitness or unfitness of a Property Site for any particular purpose nor should it be relied upon for determining suitability or value or used as a substitute for any physical investigation or inspection. Landmark recommends that You inspect and take other advice in relation to the Property Site and not rely exclusively on the Services.
iv. Subject to clause 6.o below, Landmark shall not be responsible for error or corruption in the Services resulting from inaccuracy or omission in primary or secondary information and data, inaccurate processing of information and data by third parties,

computer malfunction or corruption of data whilst in the course of conversion, geo-coding, processing by computer or electronic means, or in the course of transmission by telephone or other communication link, or printing.
v. Landmark will not be held liable in any way if a Report on residential property is used for commercial property or more than the one residential property for which it was ordered.
vi. the Services have not been prepared to meet Your or anyone else's individual requirements; that You assume the entire risk as to the suitability of the Services and waive any claim of detrimental reliance upon the same; and You confirm You are solely responsible for the selection or omission of any specific part of the Content;
vii. Landmark offer no warranty for the performance of any linked internet service not operated by Landmark;
viii. You will on using the Services make a reasonable inspection of any results to satisfy Yourself that there are no defects or failures. In the event that there is a material defect You will notify us in writing of such defect within seven days of its discovery;
ix. Any support or assistance provided to You in connection with these Terms is at Your risk;
h. All liability for any insurance products purchased by You rests solely with the insurer. Landmark does not endorse any particular product or insurer and no information contained within the Services should be deemed to imply otherwise. You acknowledge that if You Order any such insurance Landmark will deem such as Your consent to forward a copy of the Report to the insurers. Where such policy is purchased, all liability remains with the insurers and You are entirely responsible for ensuring that the insurance policy offered is suitable for Your needs and should seek independent advice. Landmark does not guarantee that an insurance policy will be available on a Property Site. All decisions with regard to the offer of insurance policies for any premises will be made solely at the discretion of the insurers and Landmark accepts no liability in this regard. The provision of a Report does not constitute any indication by Landmark that insurance will be available on the property.
i. Professional opinions contained in Reports are provided to Landmark by third parties, and such third parties are solely liable for the opinion provided. For the avoidance of doubt, those parties providing assessments or professional opinions on Landmark products include RPS Plc & Wilbourn Associates Limited, and any issues with regard to the provision of such opinion should be taken up with the relevant third party.
j. If Landmark provides You with any additional service obtained from a third party, including but not limited to any interpretation or conclusion, risk assessment or environmental report or search carried out in relation to a Report on Your Property Site, subject to clause 6.o below Landmark will not be liable in any way for any information contained therein or any issues arising out of the provision of those additional services to You. Landmark will be deemed to have acted as an agent in these circumstances and the supply of these additional services will be governed by the terms and conditions of those Third Parties.
k. In any event no person may rely on a Service more than 12 months after its original date.
l. If You wish to vary any limitation of liability as set out in these Terms, You must request such variation prior to ordering the Service. Landmark shall use its reasonable endeavours to agree such variation but shall not be obliged to do so.
m. Time shall not be of the essence with respect to the provision of the Services.
n. Ordnance Survey have undertaken a positional accuracy improvement programme which may result in discrepancies between the positioning of features used in datasets in the Services and the updated Ordnance Survey mapping. Subject to clause 6.o below, Landmark and its Suppliers exclude all and any liability incurred as a result of the implementation of such positional accuracy improvement programmes.
o. Where Landmark provides its own risk assessment in connection with any Report, Landmark shall carry out such assessment with all reasonable skill and care but shall have no liability for any such risk assessment conclusion which is provided for information only, save where Landmark conducted the same negligently, in which case the provisions of clause 6 shall apply. Notwithstanding the provision of any such risk assessment conclusion you should carefully examine the remainder of the Report and should not take or refrain from taking any action based solely on the basis of the risk assessment. For the avoidance of doubt, the provisions of this clause 6n apply solely to risk assessments conducted by Landmark, and the provision of any other risk assessment by a third party shall be governed by such third party's terms in accordance with the provisions of clause 6i above.
p. Landmark obtains much of the information contained in its Report from third parties. Landmark will not accept any liability to You for any negligent or incorrect entry, or error or corruption in the Third Party Content supplied to Landmark, but Landmark's Suppliers may be liable for such negligent or incorrect entries, or errors or corruptions, subject to the terms and conditions on which they supply the Third Party Content to Landmark.
7. Contribution
a. Save where expressly provided, this clause 7 shall apply

solely to Envirosearch Residential Reports (regardless of the result of such Report). Nothing in this clause 7 shall operate to override or vary the provisions of clause 6.
b. Landmark are prepared to offer, at their sole discretion, and without any admission or inference of liability a contribution towards the costs of any remediation works required under a Notice (as defined below) on the terms of this clause 7 ("the Contribution")
c. In the event that a Remediation Notice is served on the First Purchaser or First Purchaser's Lender of a Property Site under Part II(A) of the Environmental Protection Act 1990 ("the Notice") Landmark will contribute to the cost of such works as either the First Purchaser or First Purchaser's Lender (but not both) are required to carry out under the Notice subject to the provisions of this clause 7 and on the following terms:
i. the Contribution shall only apply to contamination or a pollution incident present or having occurred prior to the date of the Report;
ii. the Contribution shall only apply where the Property Site is a single residential dwelling house or a single residential flat within a block of flats. For the avoidance of doubt, this obligation does not apply to any commercial property, nor to any Property Site being developed or redeveloped whether for residential purposes or otherwise;
iii. the Contribution is strictly limited to the cost of works at the Property Site and at no other site.
iv. the Contribution will not be paid in respect of any of the following:
Radioactive contamination of whatsoever nature, directly or indirectly caused by or contributed to or arising from ionising radiations or contamination by radioactivity from any nuclear fuel or from any nuclear waste from the combustion of nuclear fuel or the radioactive toxic explosive or other hazardous properties of any explosive nuclear assembly or nuclear component thereof.
Asbestos arising out of or related in any way to asbestos or asbestos-containing materials on or in structures or services serving the structures. Naturally occurring materials arising from the presence or required removal of naturally occurring materials except in circumstances where such materials are present in concentrations which are in excess of their natural concentration.
Intentional non-compliance arising from the intentional disregard of or knowing wilful or deliberate non-compliance by any owner or occupier of the Property Site with any statute, regulation, administrative complaint, notice of violation, or notice letter of any Regulatory Authority.
Any condition which is known or ought reasonably to have been known to the First Purchaser or the First Purchaser's Lender prior to the purchase of the Report.
Any condition which is caused by acts of War or an Act of Terrorism.
Any property belonging to or in the custody or control of the First Purchaser which does not form a fixed part of the Property Site or the structure.
Any fines liquidated damages punitive or exemplary damages.
Any bodily injury including without limitation, death, illness or disease, mental injury, anguish or nervous shock.
Any financial loss in respect of any loss of any rental, profit, revenue, savings or business or any consequential indirect or economic loss damage or expense including the cost of rent of temporary premises or business interruption.
Any losses incurred following a material change in use of, alteration or development of the Property Site.
d. The maximum sum that shall be contributed by Landmark in respect of any Contribution shall be limited to £50,000. In the event that more than one Report is purchased on the Property Site the Contribution will only be payable under the first Report purchased by or on behalf of any First Purchaser or First Purchaser's Lender and no Contribution will be made in respect of subsequent Reports purchased by or on behalf of such First Purchaser, First Purchaser's Lender or any person connected to them.
e. Landmark shall only pay a Contribution where the Notice is served within 36 months of the date of the Report.
f. Any rights to a Contribution under this Clause 7 are not assignable in the event of a sale of the Property Site and Landmark will not make any Contribution after the date of completion of such sale.
g. In the event the First Purchaser or First Purchaser's Lender wishes to claim any Contribution, it shall notify Landmark in writing within 3 months of the date of the Notice. The First Purchaser or First Purchaser's Lender (as applicable) shall comply with all reasonable requirements of Landmark with regard to the commission and conduct of the remediation works to be carried out under the Notice, and in the event the First Purchaser or First Purchaser's Lender (as applicable) does not do so, including without limitation, obtaining Landmark's prior written consent to any estimates for such works or complying with any other reasonable request by Landmark, Landmark shall not be required to pay any Contribution. Notwithstanding the payment of the Contribution by Landmark the First Purchaser or First Purchaser's Lender as applicable shall take all reasonable steps to mitigate any costs incurred in connection with the conduct of works required under the

terms of any Notice.
h. In the event that the First Purchaser or First Purchaser's Lender receives any communication from a statutory authority to the effect that there is an intent to serve a notice received under Part II(A) of the Environmental Protection Act 1990 they will advise Landmark within a maximum period of two months from receipt of such communication. This clause 7h and the service of any notice under it shall not affect the provisions of clauses 7e and g, and any such communications, even if advised to Landmark will not operate as notice under clause 7e. Landmark reserve the right at any time prior to a claim for Contribution being made in accordance with clause 7 g) above, to withdraw the offer of payment of Contributions without further notice.
8. Events Beyond Our Control
a. You acknowledge that Landmark shall not be liable for any delay, interruption or failure in the provision of the Services which are caused or contributed to by any circumstance which is outside our reasonable control including but not limited to, lack of power, telecommunications failure or overload, computer malfunction, inaccurate processing of data, or delays in receiving, loading or checking data, corruption of data whilst in the course of conversion, geo-coding, processing by computer in the course of electronic communication, or printing.
9. Severability
a. If any provision of these Terms are found by either a court or other competent authority to be void, invalid, illegal or unenforceable, that provision shall be deemed to be deleted from these Terms and never to have formed part of these Terms and the remaining provisions shall continue in full force and effect.
10. Governing Law
a. These terms shall be governed by and construed in accordance with English law and each party agrees irrevocably submit to the exclusive jurisdiction of the English courts if any dispute arises out of or in connection with this agreement (a "Dispute") the parties undertake that, prior to the commencement of Court proceedings, they will seek to have the Dispute resolved amicably by use of an alternative dispute resolution procedure acceptable to both parties with the assistance of the Centre for Dispute Resolution (CEDR) if required, by written notice initiating that procedure. If the Dispute has not been resolved to the satisfaction of either party within 60 days of initiation of the procedure or if either party fails or refuses to participate in or withdraws from participating in the procedure then either party may refer the Dispute to the Court.
11. General; Complaints
a. Landmark may assign its rights and obligations under these Terms without prior notice or any limitation.
b. Landmark may authorise or allow our contractors and other third parties to provide to Landmark and/or to You services necessary or related to the Services and to perform Landmark's obligations and exercise Landmark's rights under these Terms, which may include collecting payment on Landmark's behalf.
c. No waiver on Landmark's part to exercise, and no delay in exercising, any right, power or provision hereunder shall operate as a waiver thereof, nor shall any single or partial exercise of any right, power or provision hereunder preclude the exercise of that or any other right, power or provision.
d. Unless otherwise stated in these Terms, all notices from You to Landmark must be in writing and sent to the Landmark registered office (or in the case of an Authorised Reseller, to its registered office address) and subject to paragraph e below all notices from Landmark to You will be displayed on our Websites from time to time.
e. Any complaints in relation to the Services should, in the first instance, be in writing addressed to the Customer Service Support Manager at the Landmark registered office. Landmark or its agents will respond to any such complaints in writing as soon as practicably possible.
f. A person who is not a party to any contract made pursuant to these Terms shall have no right under the Contract (Rights of Third Parties) Act 1999 to enforce any terms of such contract and Landmark shall not be liable to any such third party in respect of any Services supplied.
g. Landmark's Privacy Policy as displayed on the Website governs the use made of any information You supply to Landmark.



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ERM

Glamorganshire

Published 1883 - 1885

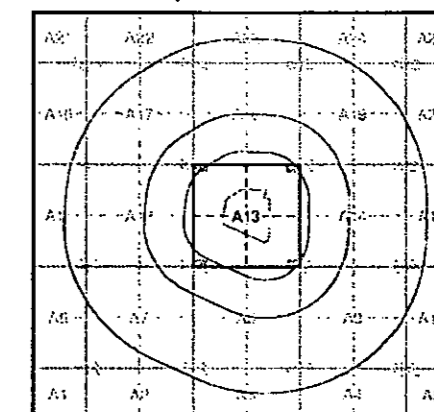
Source map scale - 1:10,560

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)

004_00 1883	005_00 1883
010_00 1884	011_00 1885

Historical Map - Slice A



Order Details

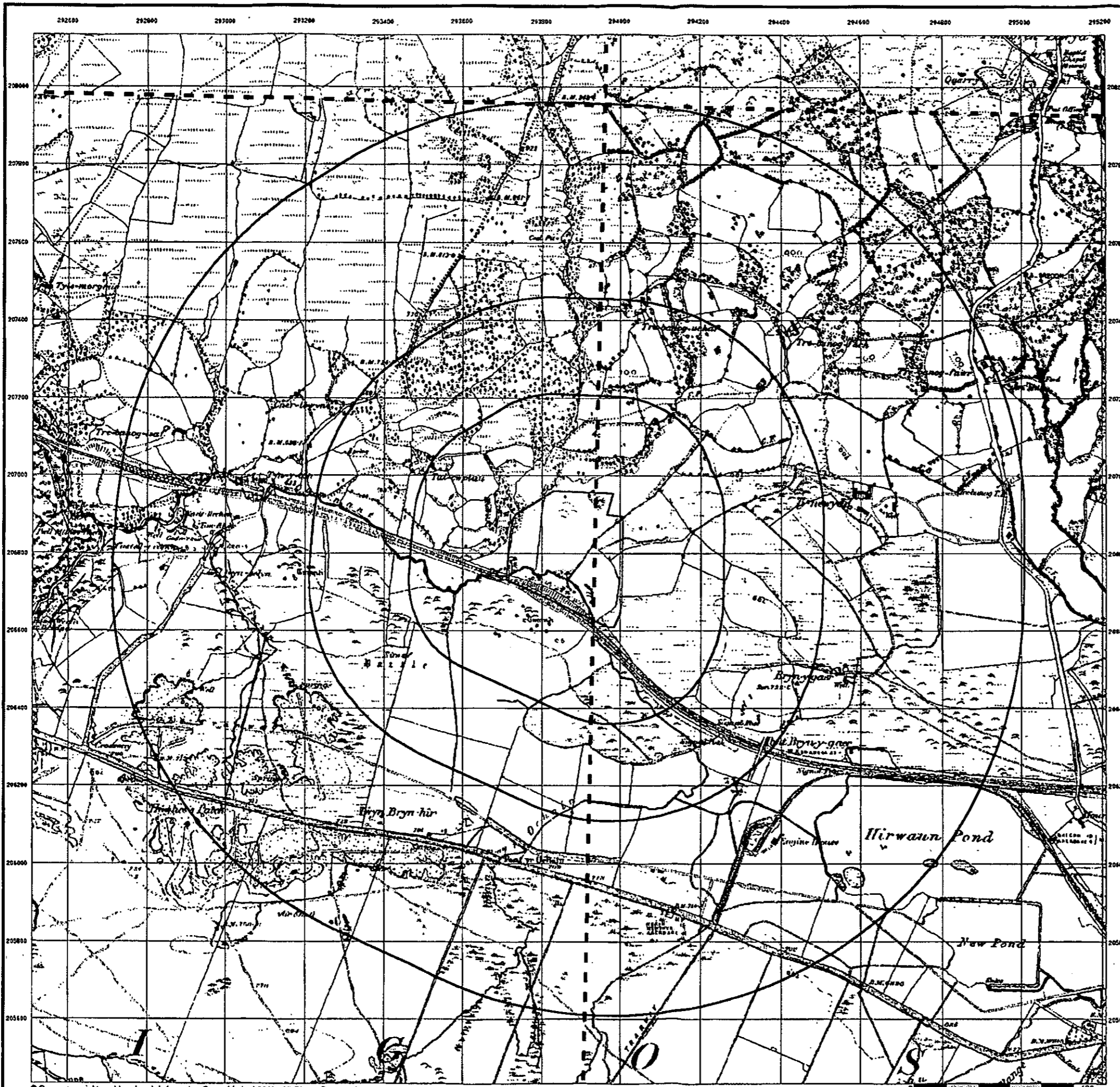
Order Number: 23315733_1_1
 Customer Ref: 0067887.03.01
 National Grid Reference: 293880, 206790
 Slice: A
 Site Area (Ha): 7.96
 Search Buffer (m): 1000

Site Details

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ERM

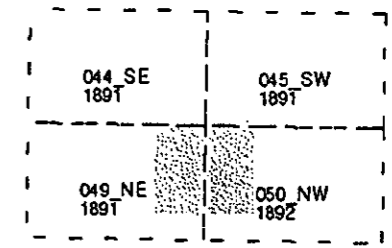
Brecknockshire

Published 1891 - 1892

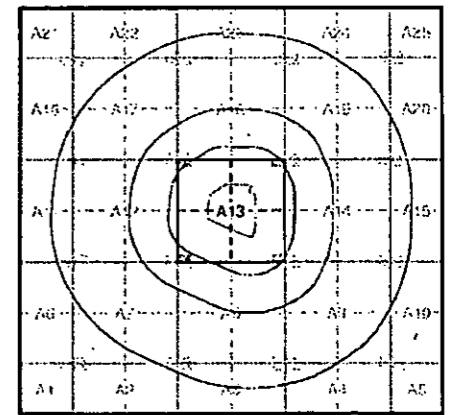
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. 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

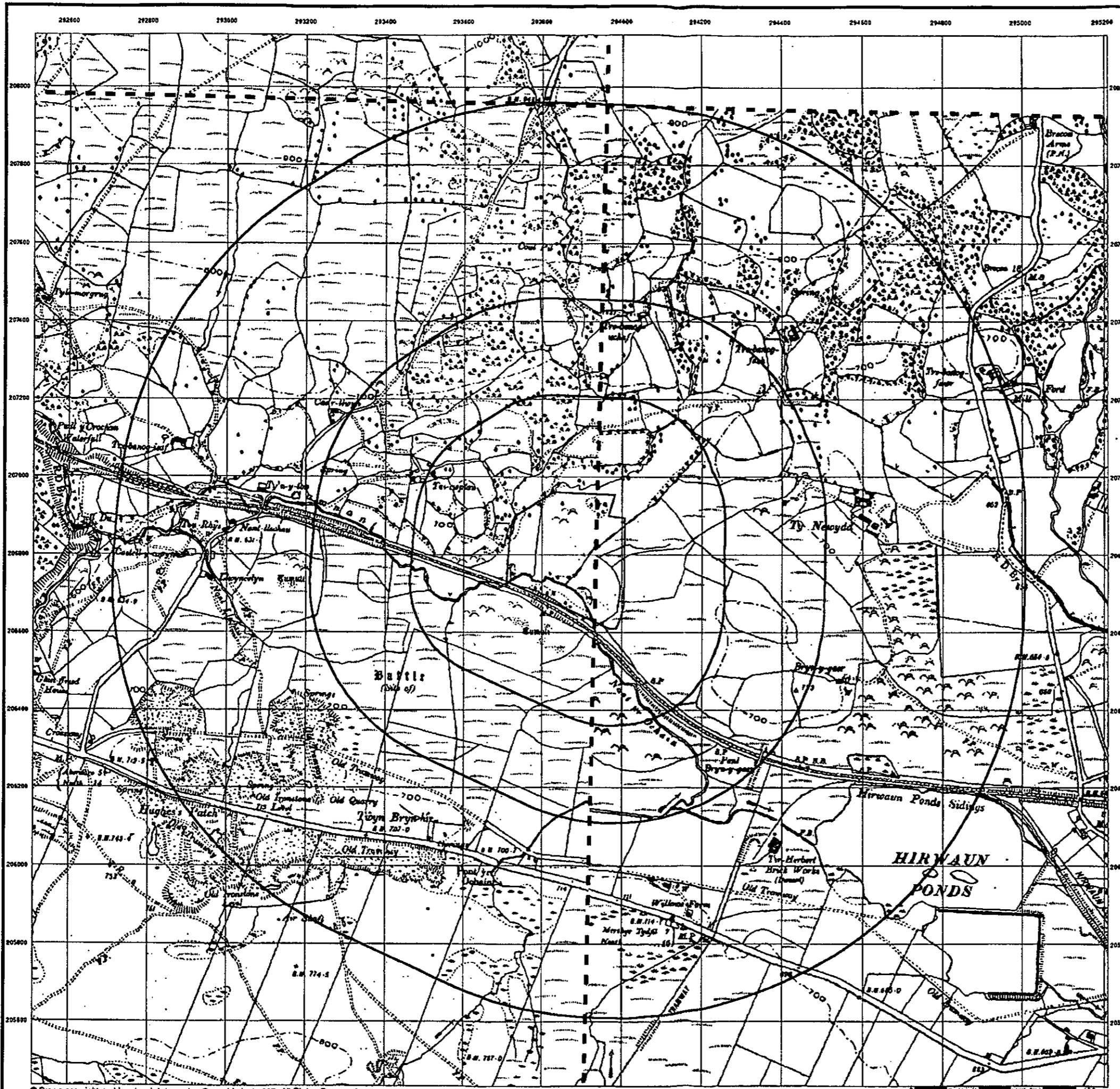
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 Search Buffer (m): 1000

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0 100 200 300 400 m



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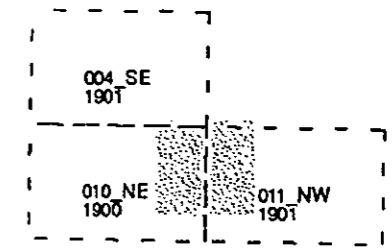
Glamorganshire

Published 1900 - 1901

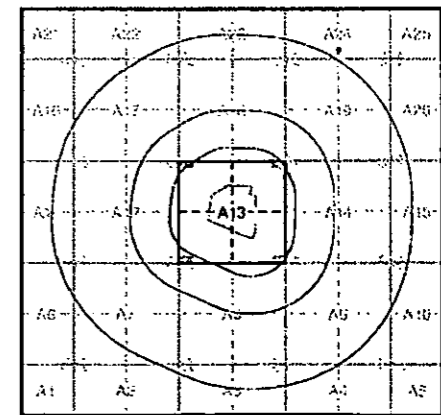
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Map Name(s) and Date(s)



Historical Map - Slice A



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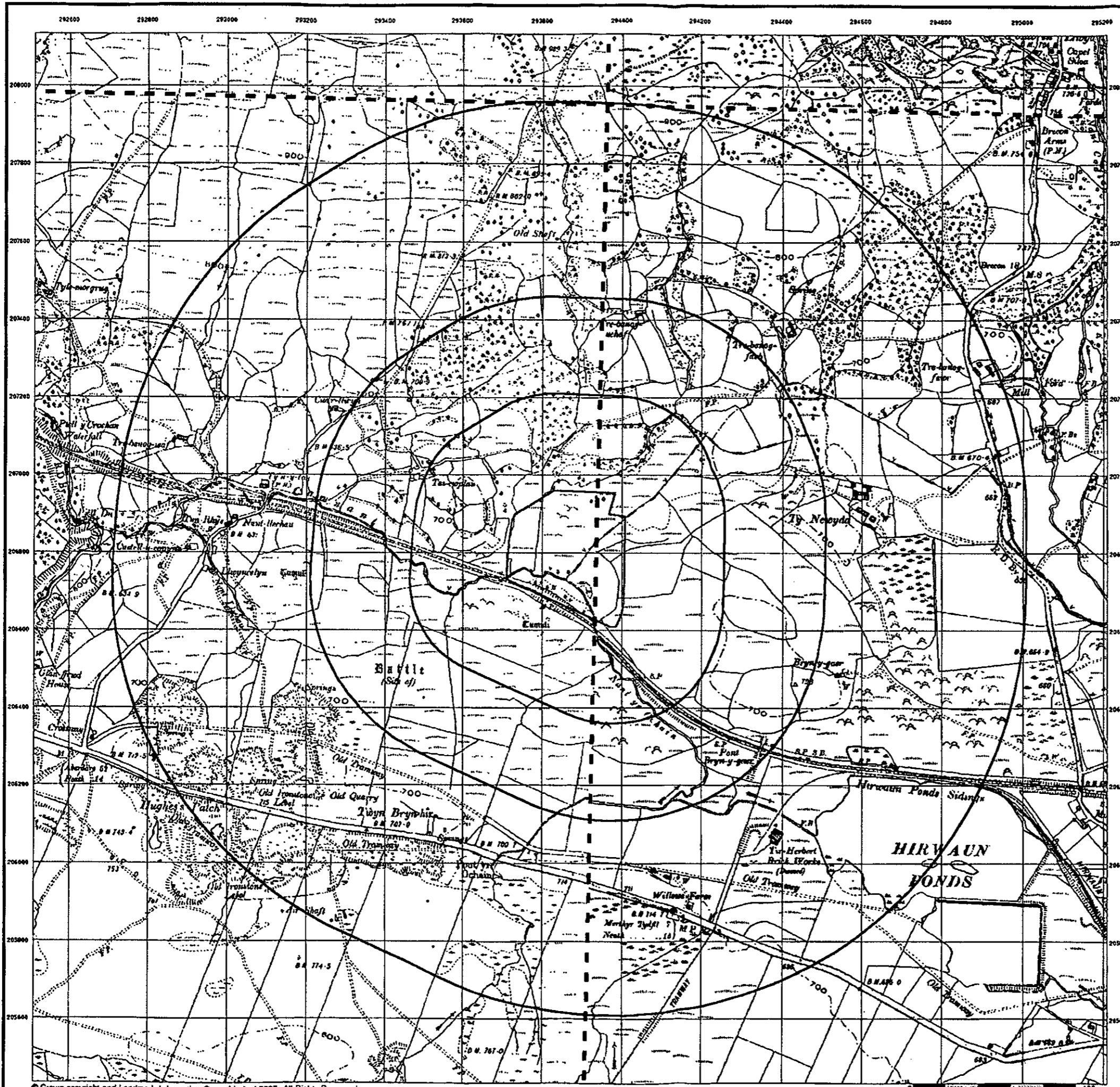
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Site Details

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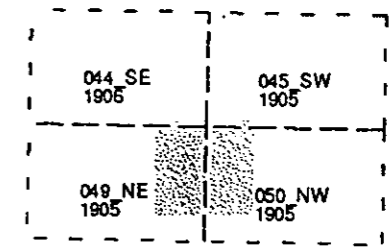
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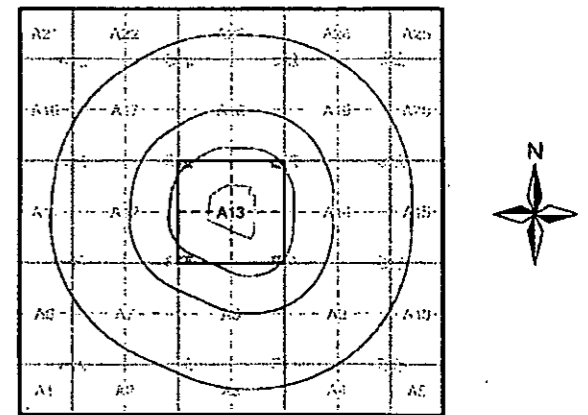
Brecknockshire
Published 1905 - 1906
Source map scale - 1:10,560

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)



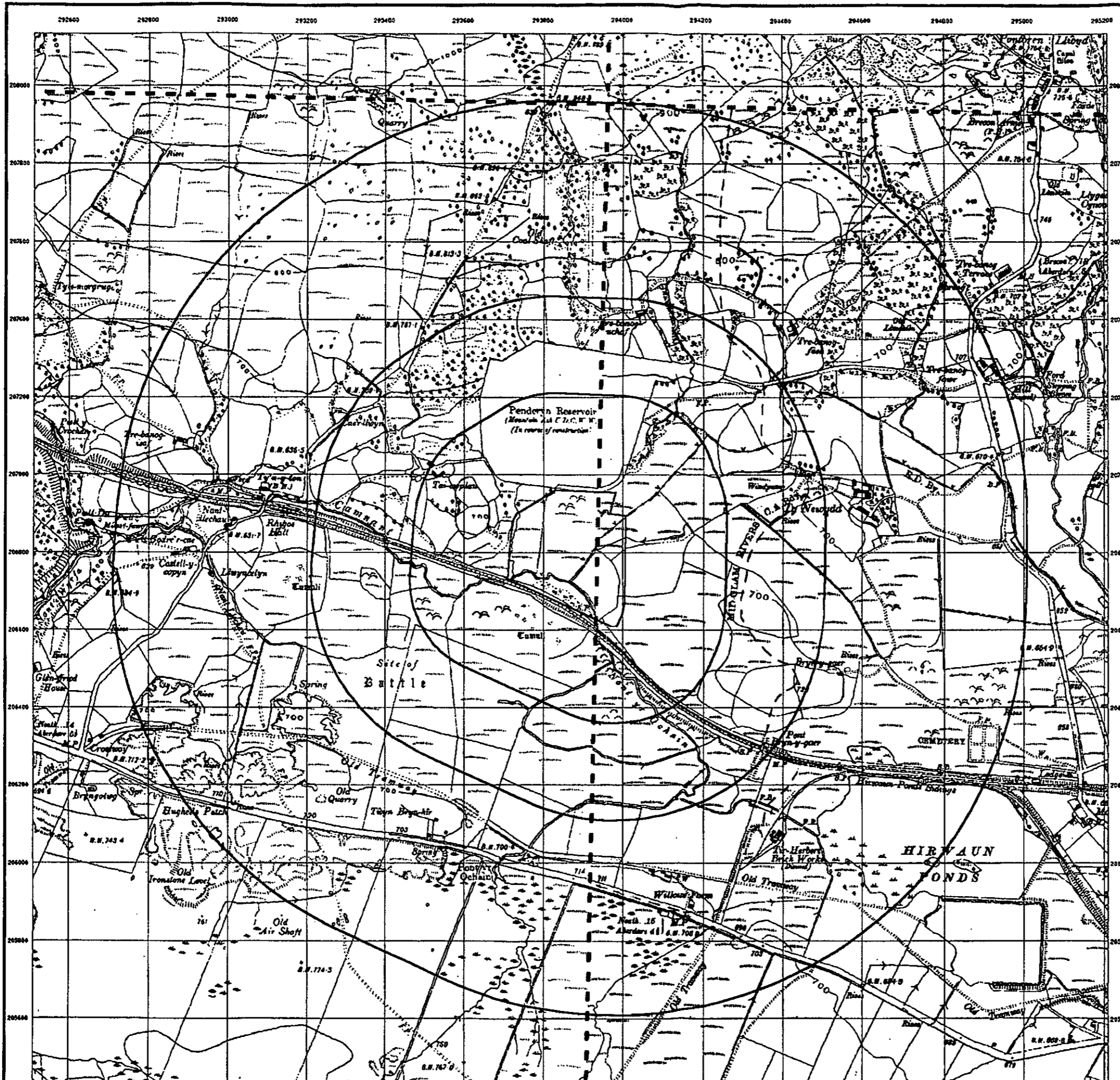
Historical Map - Slice A



Order Details
 Order Number: 23315733_1_1
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 Slice: A
 Site Area (Ha): 7.96
 Search Buffer (m): 1000

Site Details
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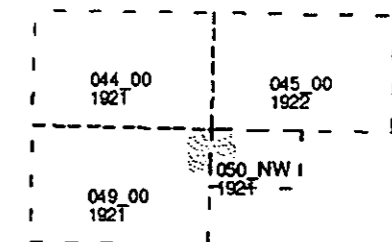
Brecknockshire

Published 1921 - 1922

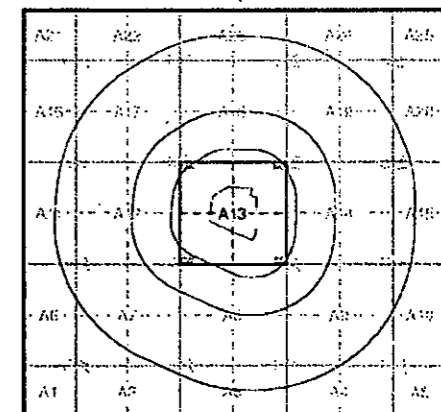
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

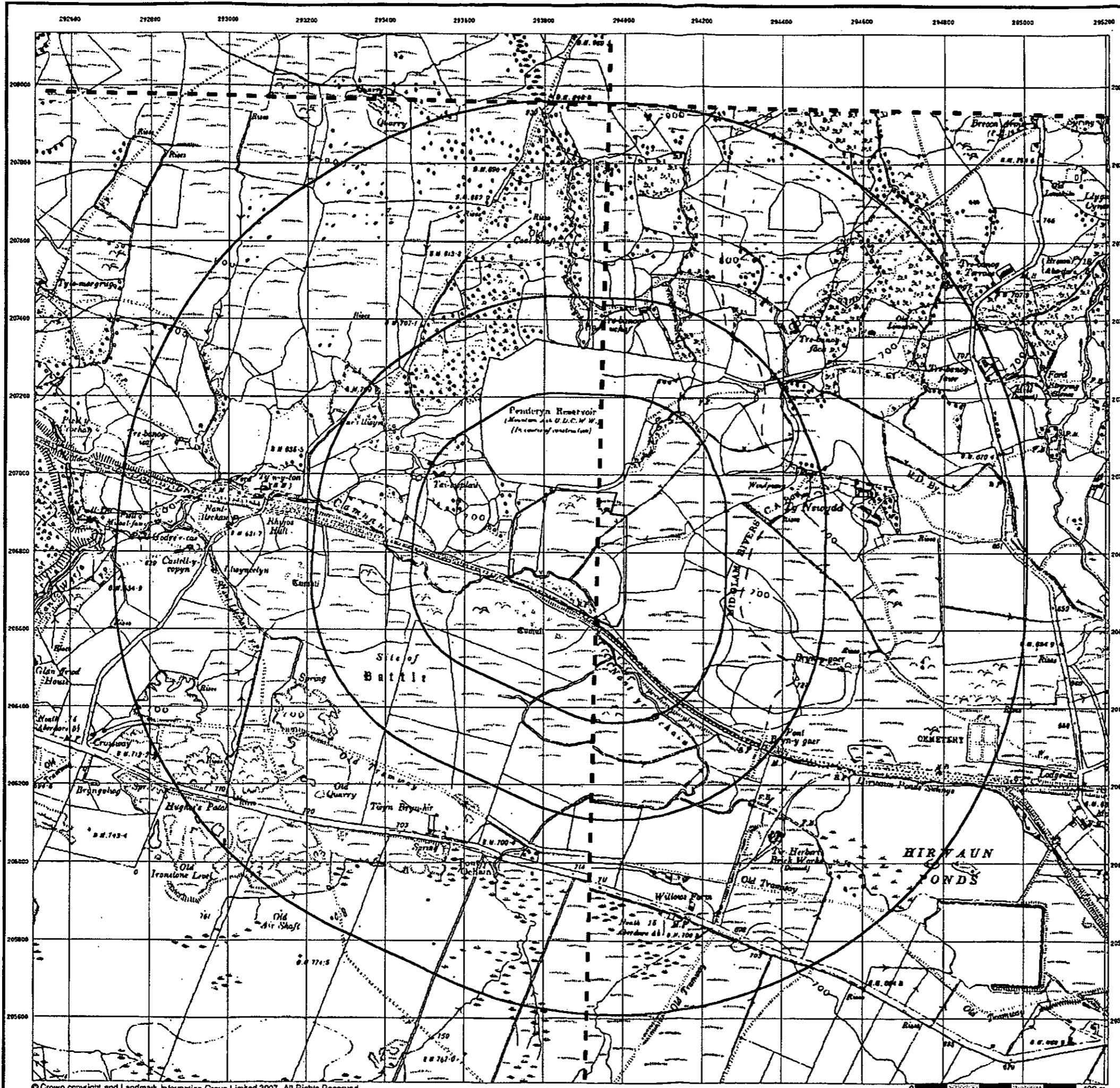
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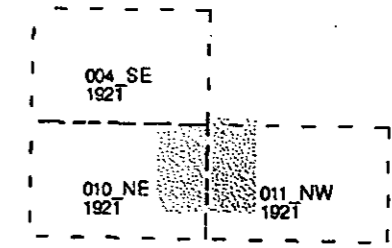
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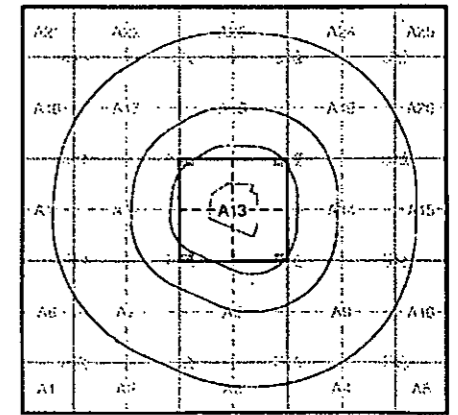
ERM
Glamorganshire
Published 1921
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

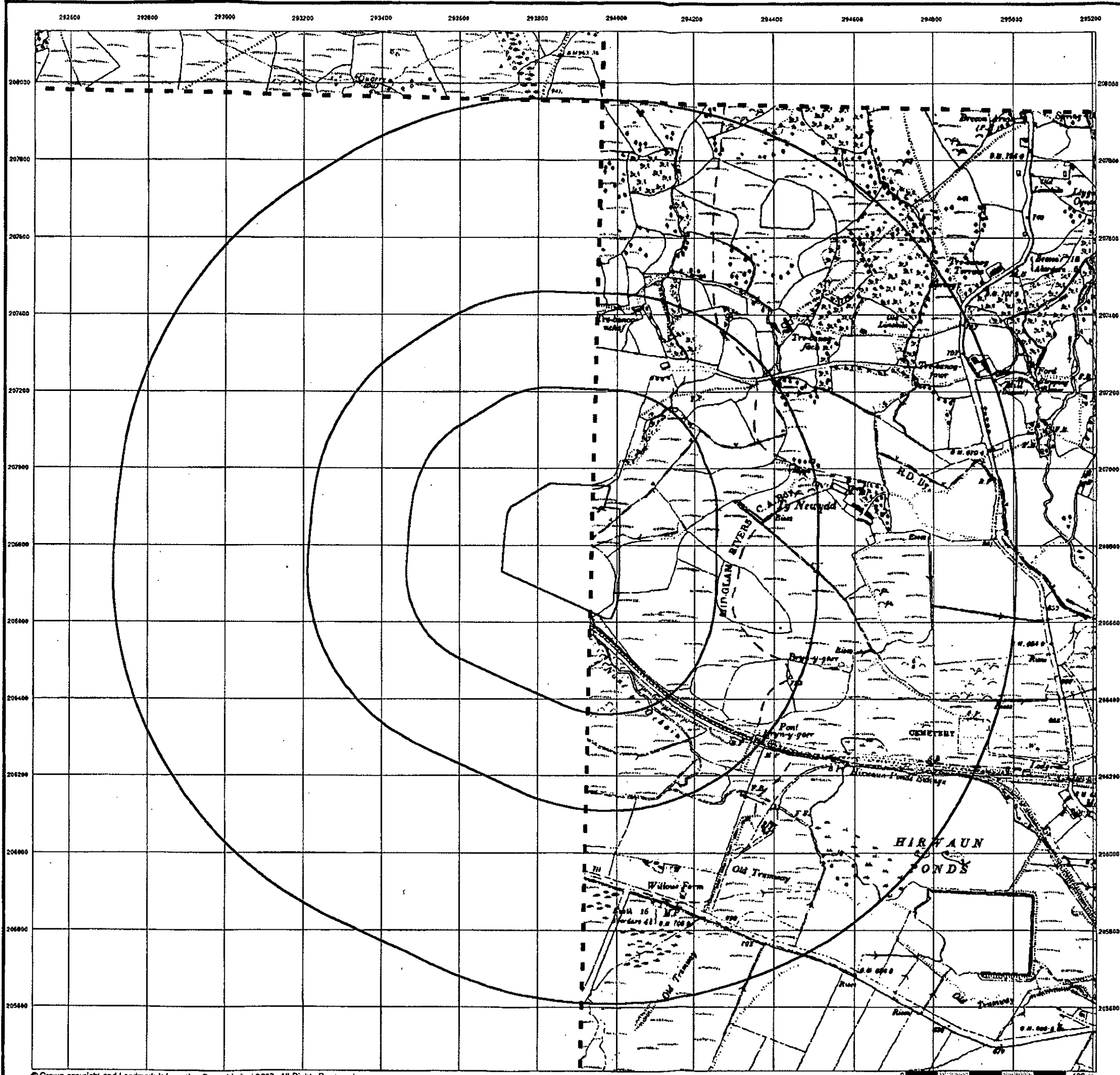
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Site Details

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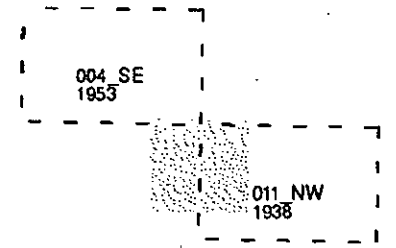
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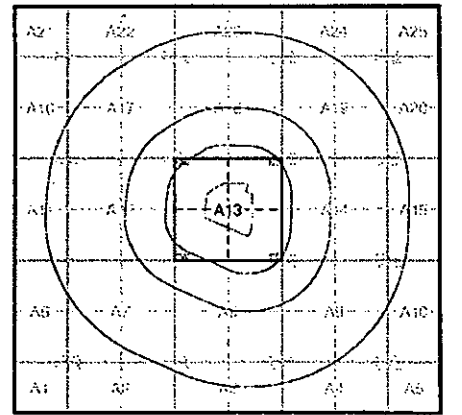
ERM
Glamorganshire
Published 1938 - 1953
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

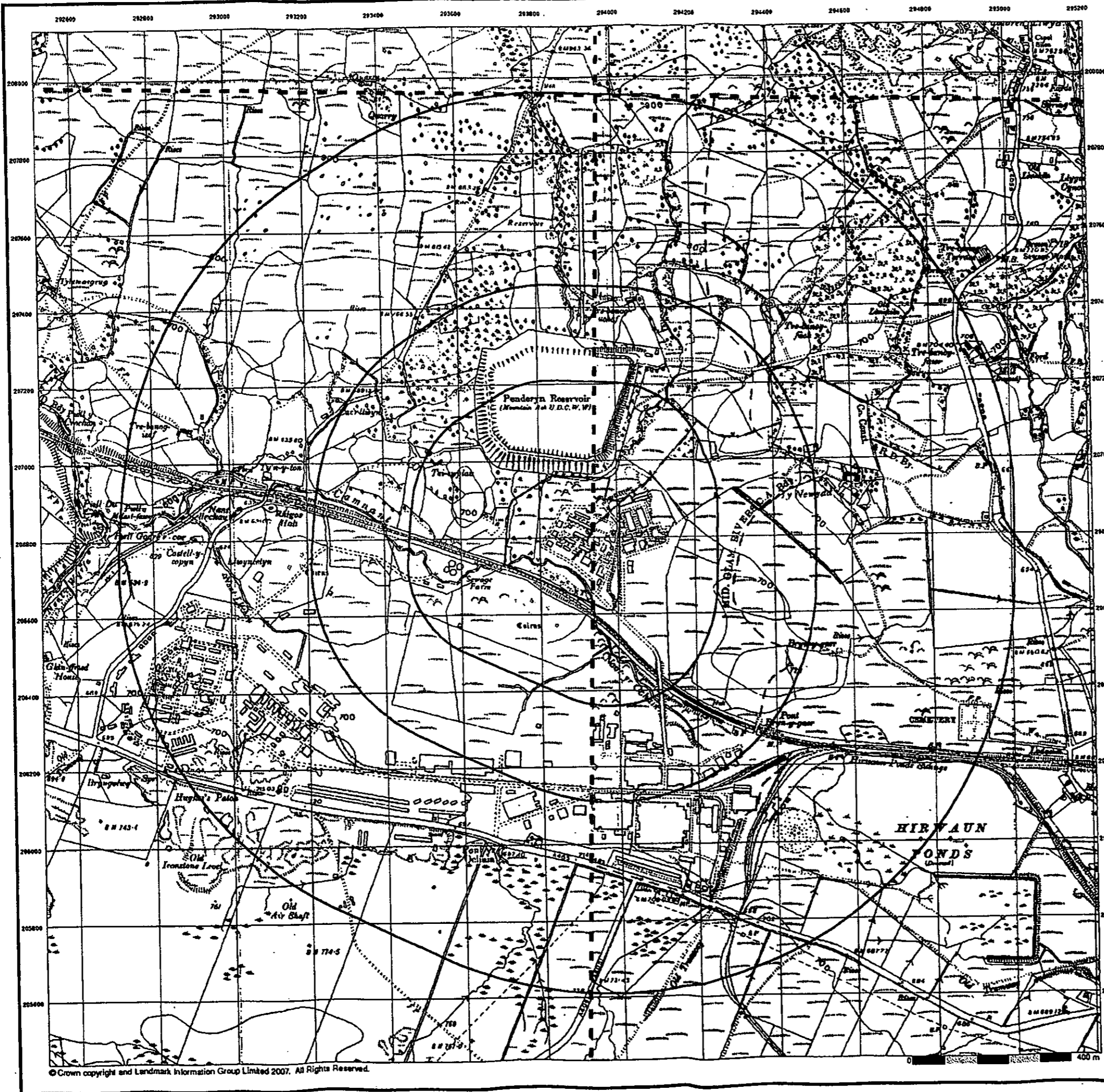
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Site Details

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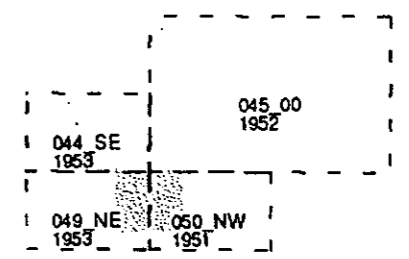
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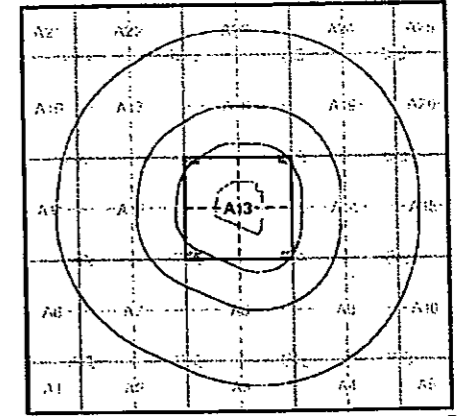
ERM
Brecknockshire
Published 1951 - 1953
Source map scale - 1:10,560

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: 23315733_1_1
 Customer Ref: 0067887.03.01
 National Grid Reference: 293880, 206790
 Slice: A
 Site Area (Ha): 7.96
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Site Details

Site at, Hirwaun, Rhondda,Cynon,Taff



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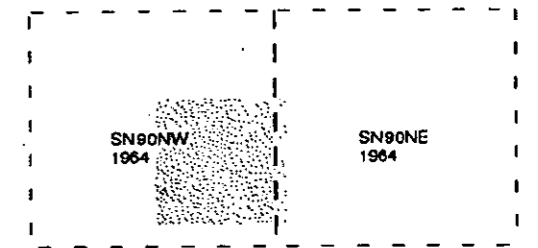
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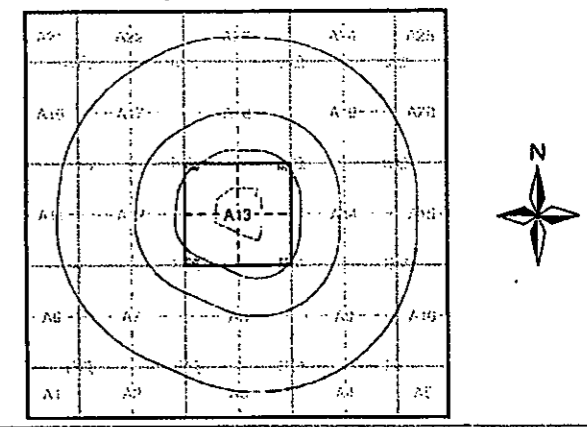
ERM
Ordnance Survey Plan
Published 1964
Source map scale - 1:10,560

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



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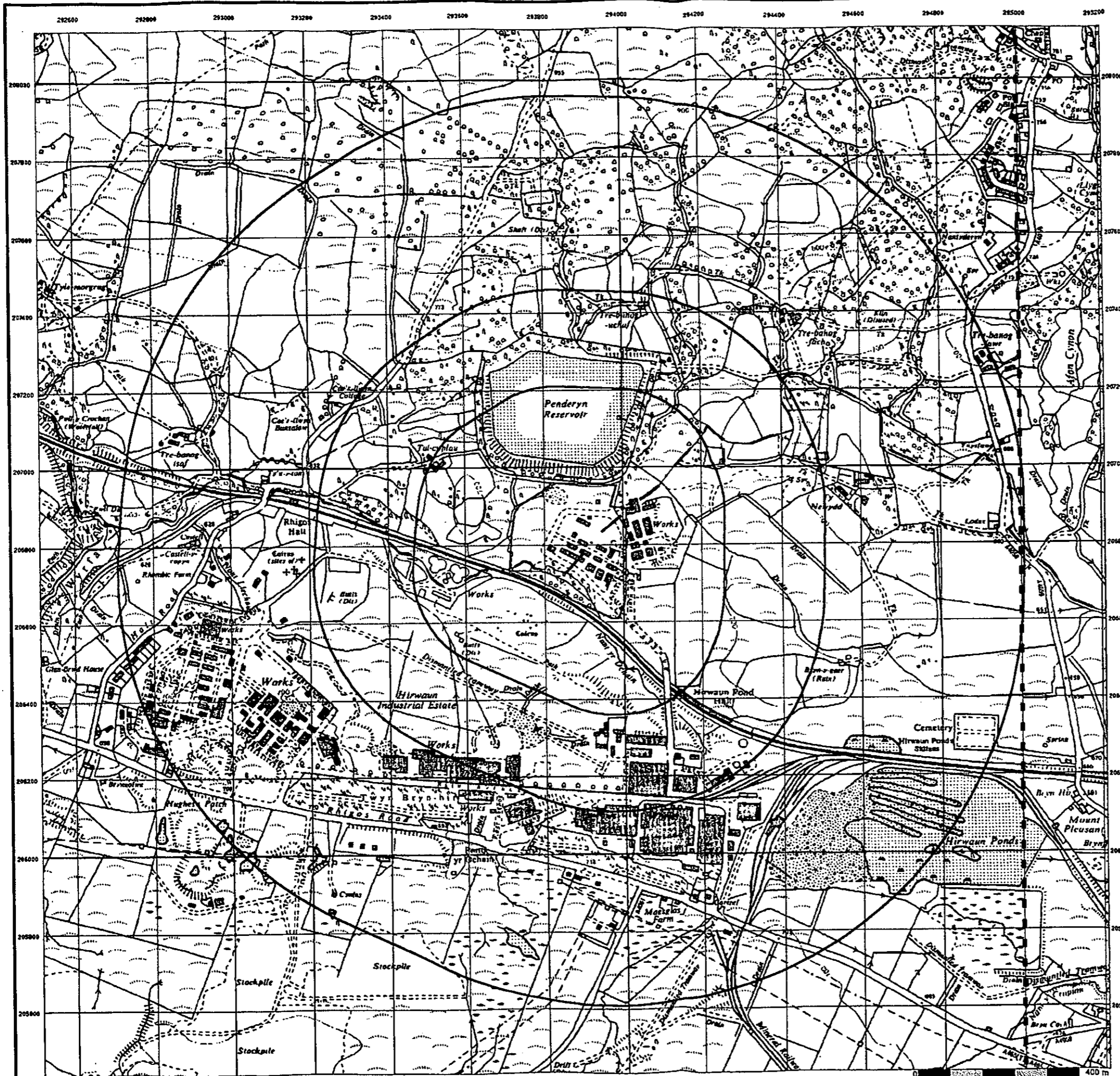
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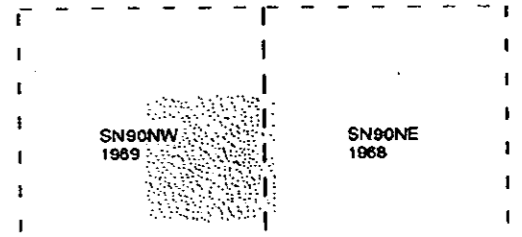
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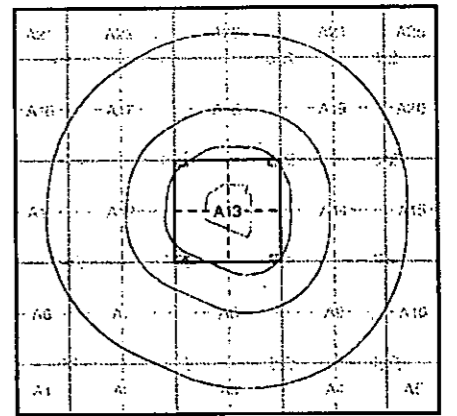
Ordnance Survey Plan
Published 1968 - 1969
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A

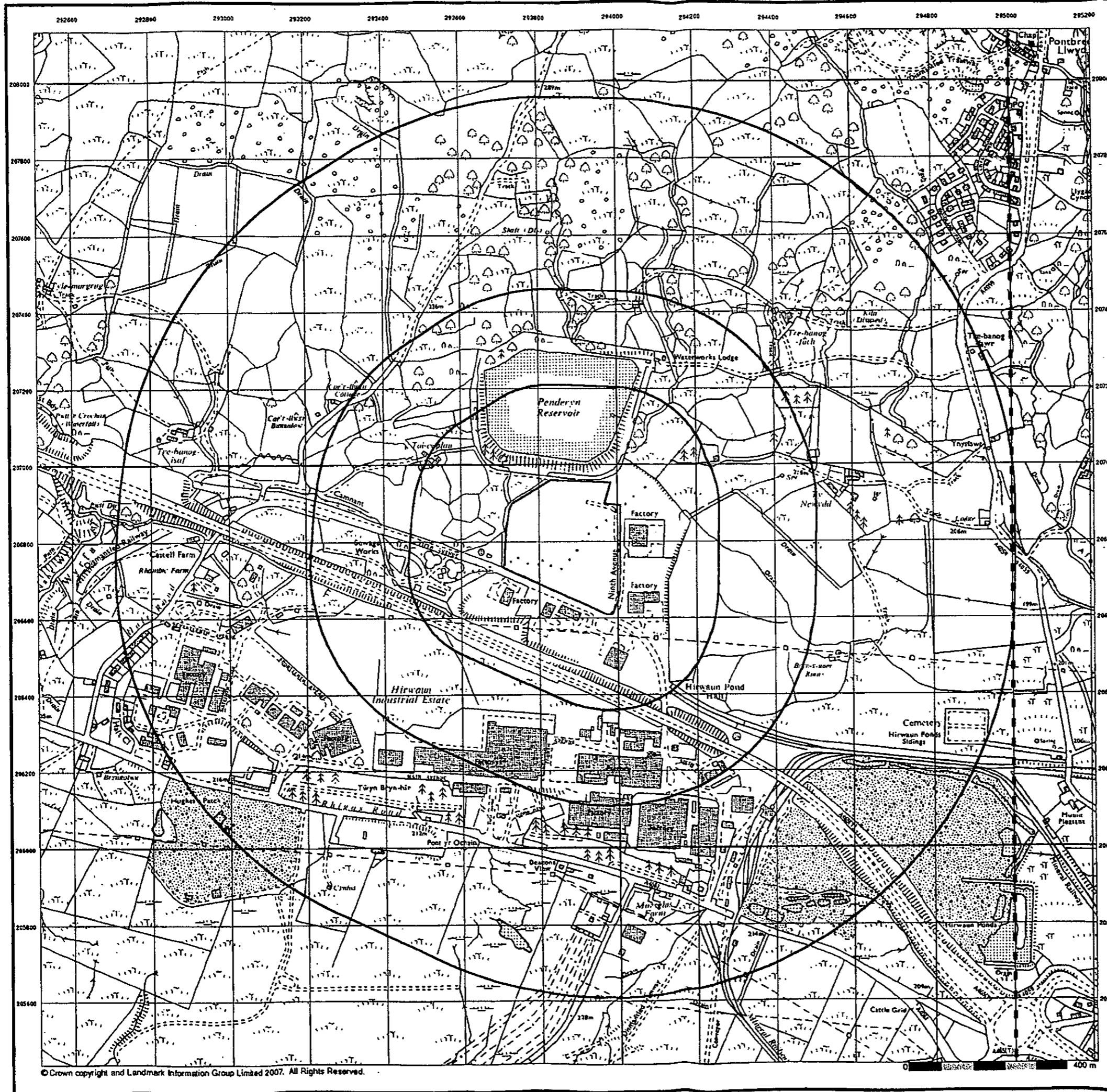


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Site Details
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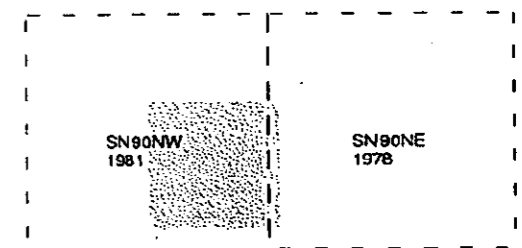
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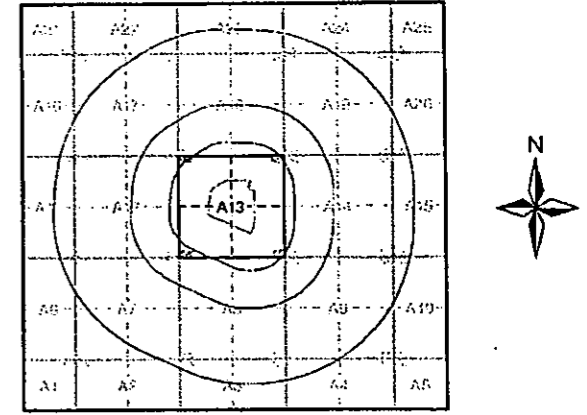
ERM
Ordnance Survey Plan
Published 1978 - 1981
Source map scale - 1:10,000

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Map Name(s) and Date(s)



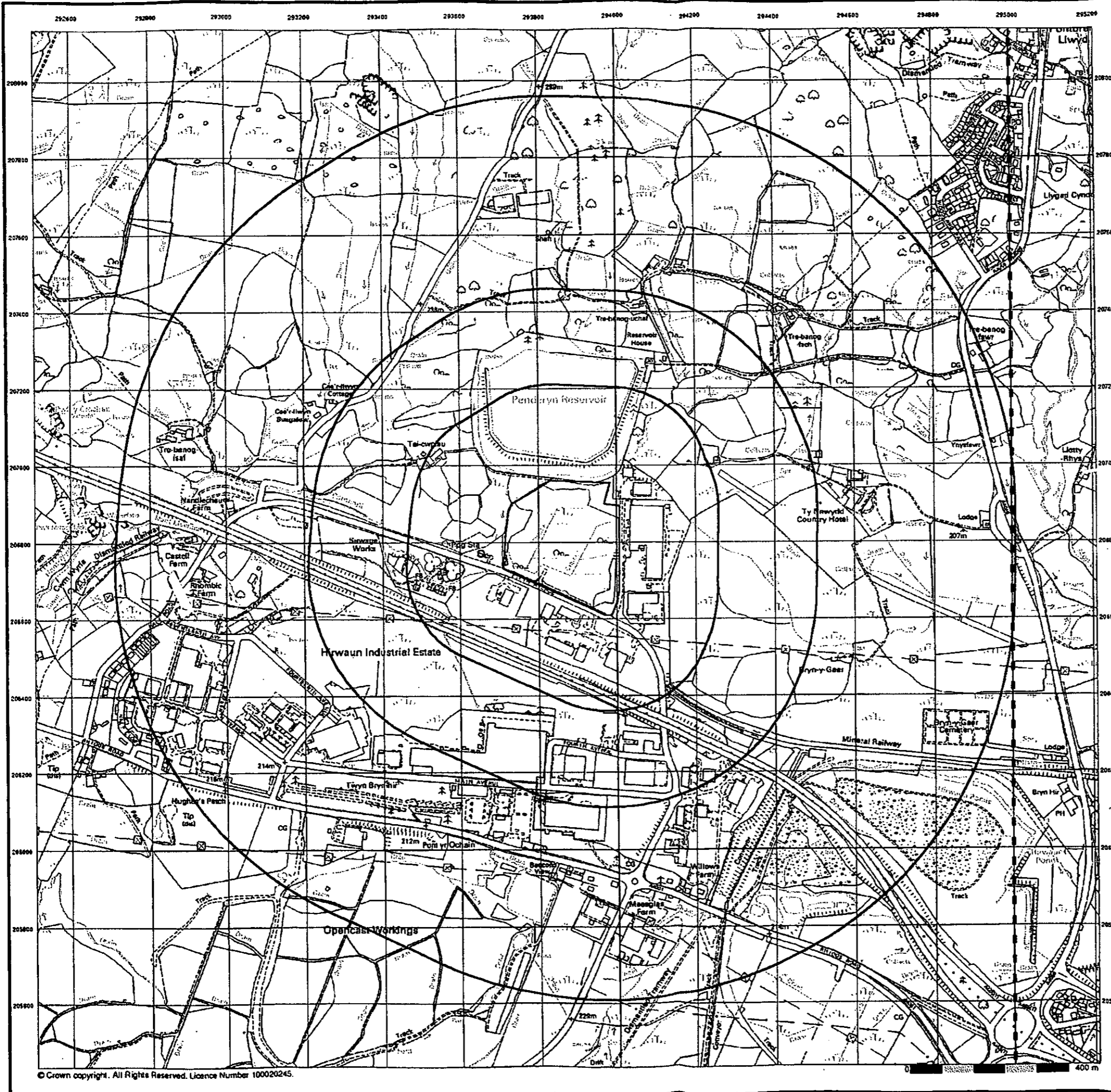
Historical Map - Slice A



Order Details
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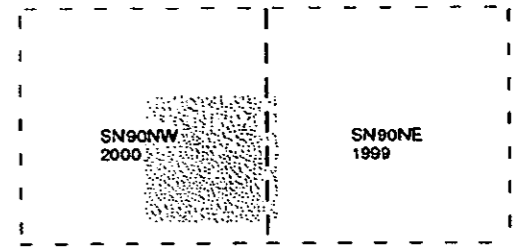
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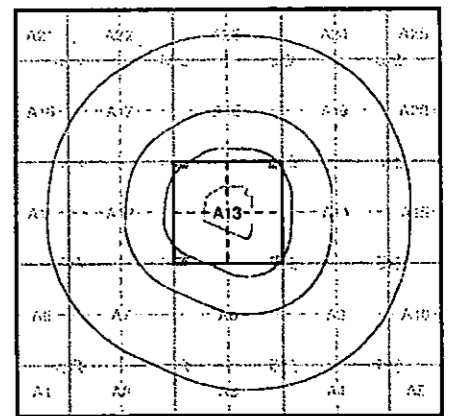
ERM
10K Raster Mapping
Published 1999 - 2000
Source map scale - 1:10,000

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



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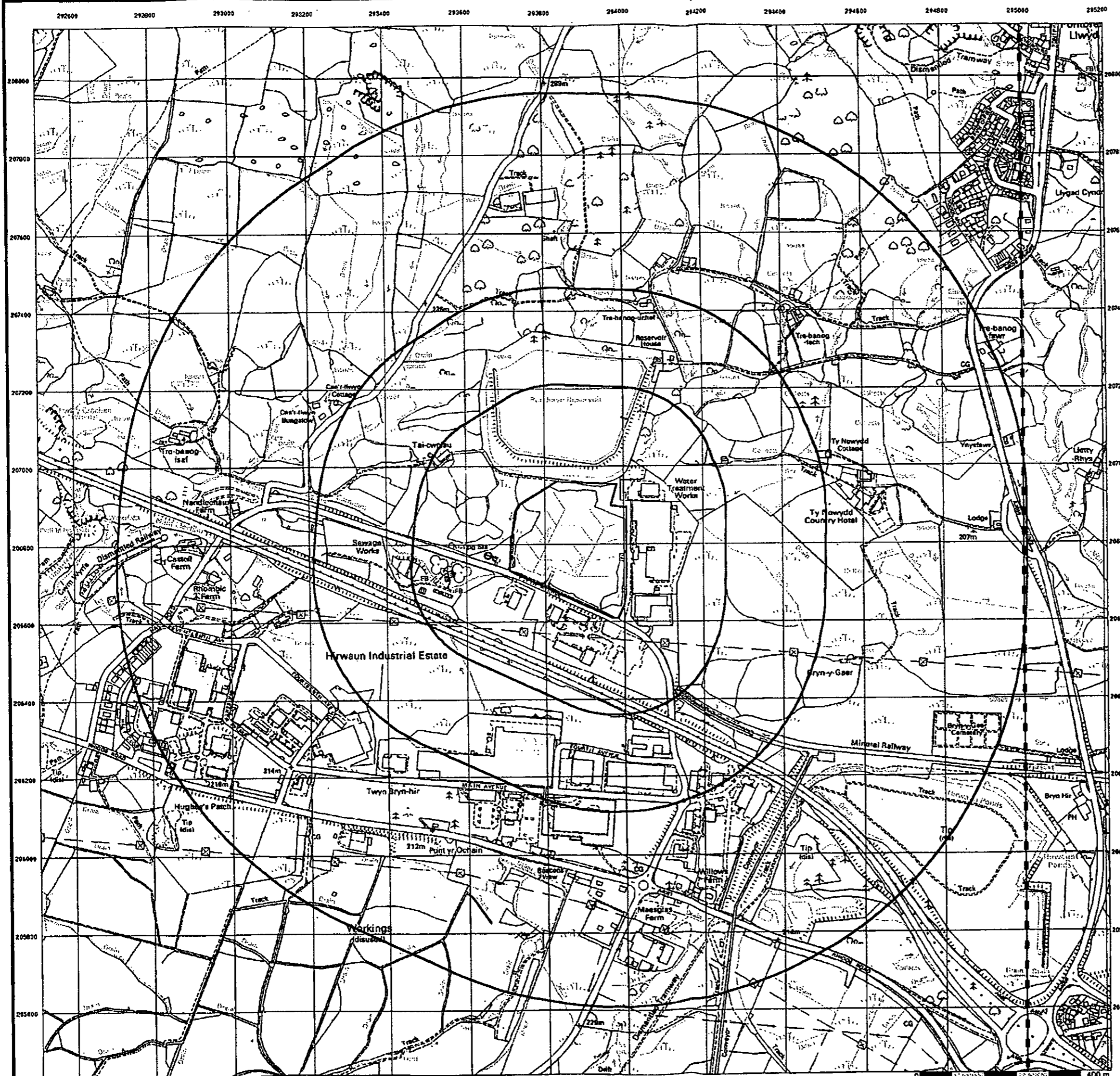
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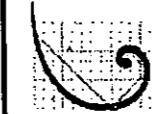
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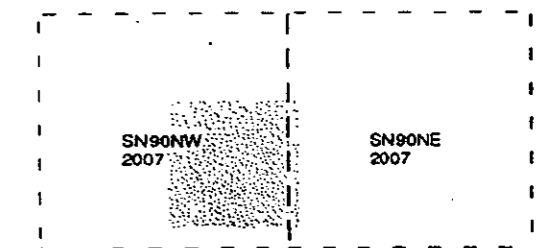
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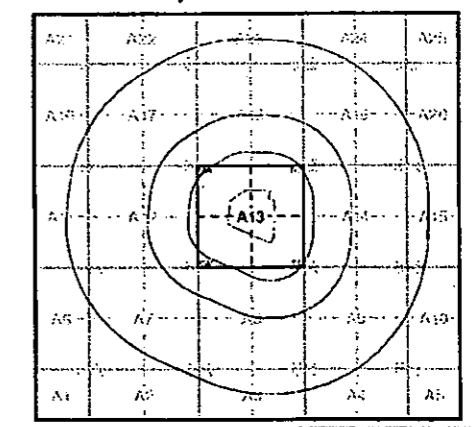
ERM
10K Raster Mapping
Published 2007
Source map scale - 1:10,000

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 includes county, unitary authority, district, civil parish and constituency.

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Historical Mapping Legends

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

Quarry **Gravel Pit** **Sand Pit**
Clay Pit **Shingle** **Refuse Heap**
Sloping Masonry **Flat Rock**
Marsh **Reeds** **Osiers**
Rough Pasture **Furze** **Wood**
Mixed Wood **Brushwood** **Orchard**
Fir **Ford** **Stepping Stones**
Ferry **Waterfall** **Lock**
Trig. Station **Altitude at Trig. Station**
B.M. 325-9 **Bench Mark** **Surface Level**
Arrow denotes flow of water **Antiquities (site of)**
Cutting **Embankment**
Railway crossing Road **Level Crossing** **Road crossing Railway**
Railway crossing River or Canal **Road over single stream** **Road over River or Canal**
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
County Borough Boundary (England)
County Borough Boundary (Scotland)
Boundary Post or Stone **Police Call Box**
B.R. **Bridle Road** **P** **Pump**
E.P. **Electricity Pylon** **S.P.** **Signal Post**
F.B. **Foot Bridge** **Sl.** **Sluice**
F.P. **Foot Path** **Sp.** **Spring**
G.P. **Guide Post or Board** **T.C.B.** **Telephone Call Box**
M.S. **Mile Stone** **Tr.** **Trough**
M.P.M.R. **Mooring Post or Ring** **W** **Well**

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

Inactive Quarry, Chalk Pit or Clay Pit **Active Quarry, Chalk Pit or Clay Pit**
Rock **Boulders**
Cliff **Slopes** **Top**
Roofed Building **Glazed Roof Building**
Sloping Masonry **Archway**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Bench Mark** **Antiquity (site of)**
Cave Entrance **Triangulation Station** **Electricity Pylon**
Electricity Transmission Line
County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
London Borough Boundary
Symbol marking point where boundary mereing changes

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

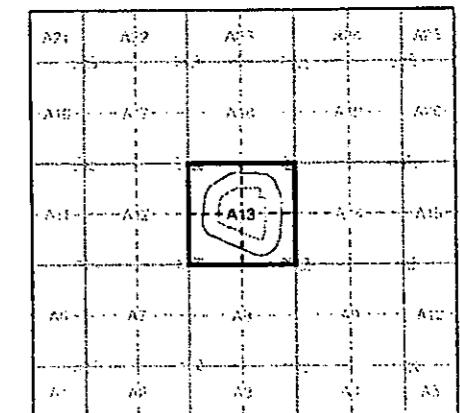
Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Triangulation Station** **Antiquity (site of)**
Electricity Transmission Line **Electricity Pylon**
B.M. 231600 **Bench Mark** **Buildings with Building Seed**
Roofed Building **Glazed Roof Building**
Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)
Bks **Barracks** **P** **Pillar, Pole or Post**
Bty **Battery** **PO** **Post Office**
Cemy **Cemetery** **PC** **Public Convenience**
Chy **Chimney** **Pp** **Pump**
Cls **Cistern** **Ppg Sta** **Pumping Station**
Dismtd Rly **Dismantled Railway** **PW** **Place of Worship**
El Gen Sta **Electricity Generating Station** **Sewage Ppg Sta** **Sewage Pumping Station**
EIP **Electricity Pole, Pillar** **SB, S Br** **Signal Box or Bridge**
El Sub Sta **Electricity Sub Station** **SP, SL** **Signal Post or Light**
FB **Filter Bed** **Spr** **Spring**
Fn / D Fn **Fountain / Drinking Ftn.** **Tk** **Tank or Track**
Gas Gov **Gas Valve Compound** **Tr** **Trough**
GVC **Gas Governor** **Wd Pp** **Wind Pump**
GP **Guide Post** **Wr Pt, Wr T** **Water Point, Water Tap**
MH **Manhole** **Wks** **Works (building or area)**
MP, MS **Mile Post or Mile Stone** **W** **Well**



Ordnance Survey mapping included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:2,500	1875	2
Brecknockshire	1:2,500	1878 - 1885	3
Glamorganshire	1:2,500	1899	4
Brecknockshire	1:2,500	1904	5
Brecknockshire	1:2,500	1918 - 1919	6
Ordnance Survey Plan	1:2,500	1964	7
Ordnance Survey Plan	1:2,500	1975 - 1985	8
Additional SIMs	1:2,500	1978 - 1985	9
Additional SIMs	1:2,500	1980 - 1989	10
Additional SIMs	1:2,500	1990 - 1992	11
Large-Scale National Grid Data	1:2,500	1993	12
Large-Scale National Grid Data	1:2,500	1995	13

Historical Map - Segment A13



Order Details

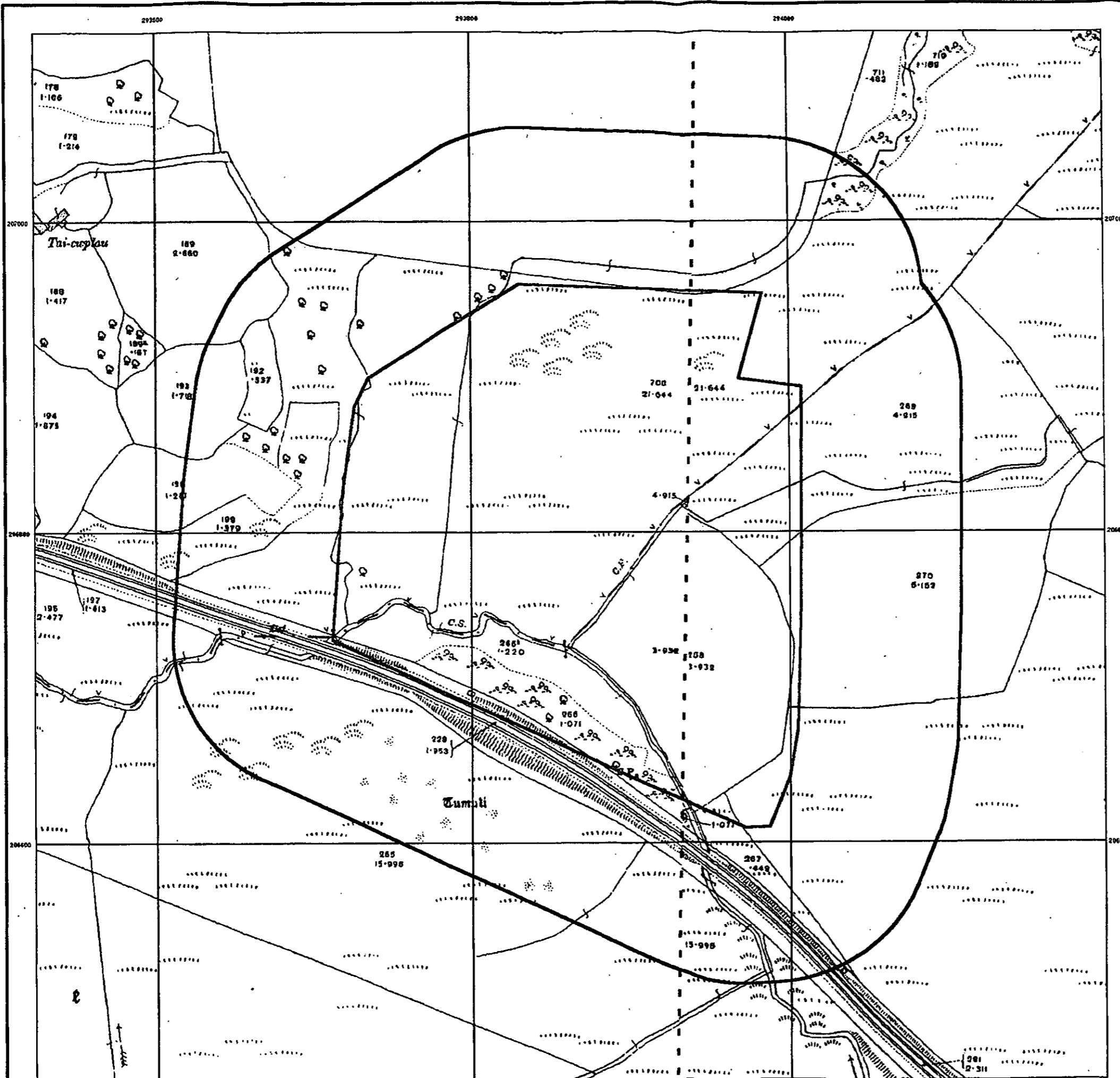
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 Customer Ref: 0067887.03.01
 National Grid Reference: 293880, 206790
 Slice: A
 Site Area (Ha): 7.96
 Search Buffer (m): 100

Site Details

Site at, Hirwaun, Rhondda, Cynon, Taff

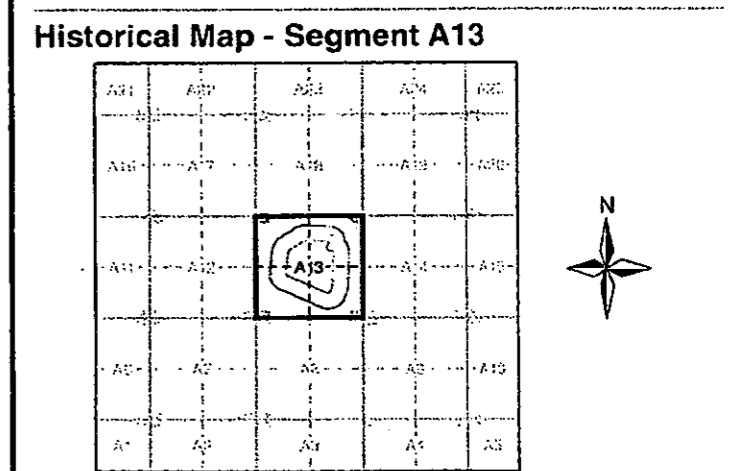
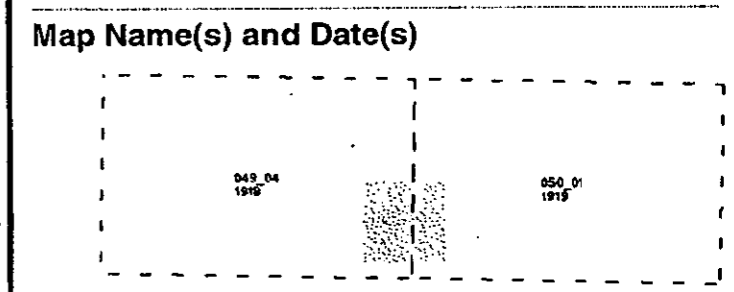


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ERM
Brecknockshire
Published 1918 - 1919
Source map scale - 1:2,500

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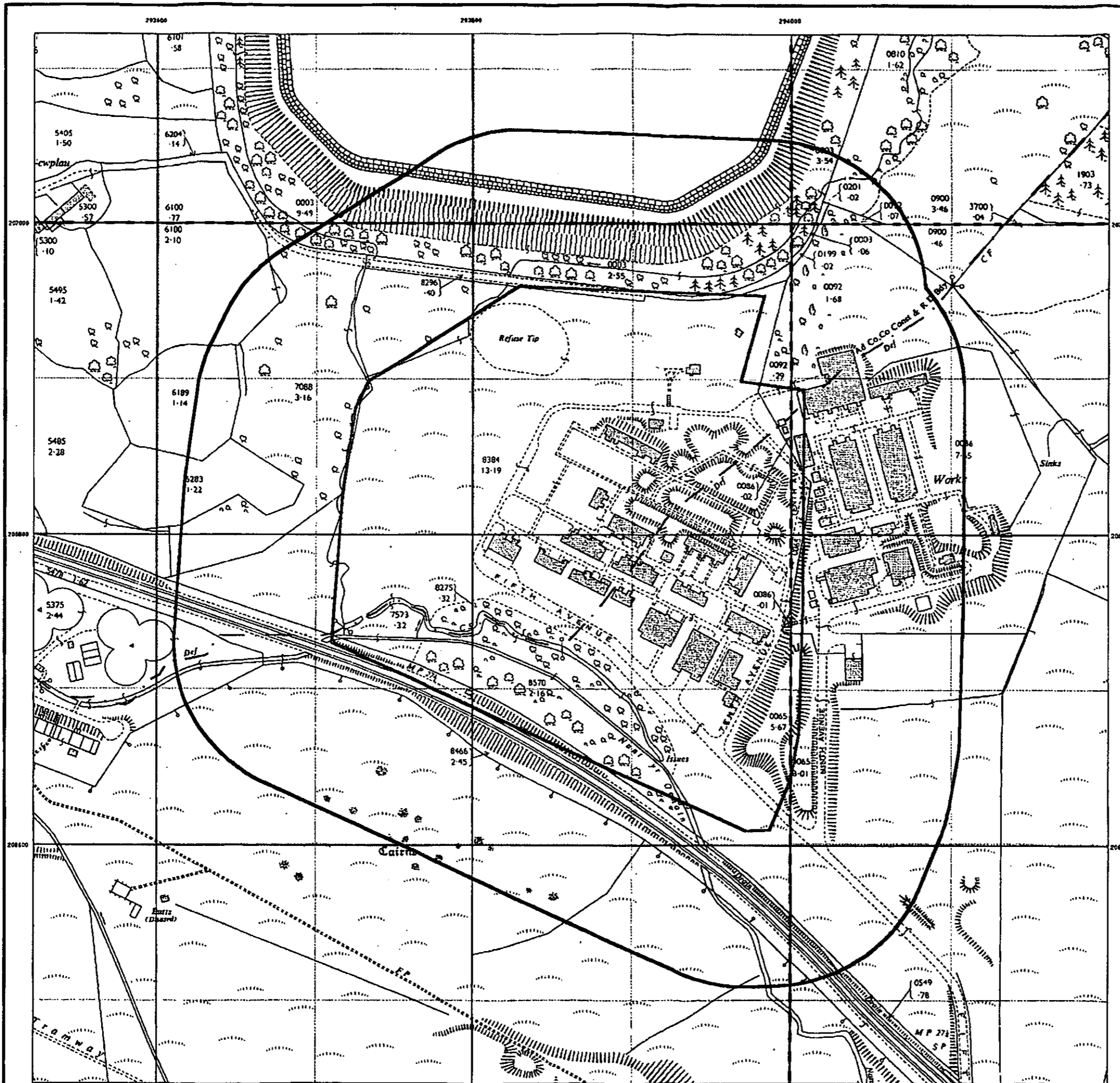


Order Details
Order Number: 23315733_1_1
Customer Ref: 0067887.03.01
National Grid Reference: 293880, 206790
Slice: A
Site Area (Ha): 7.96
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Site Details
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Ordnance Survey Plan
Published 1964
Source map scale - 1:2,500

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Map Name(s) and Date(s)

SN93 07 1964	SN94 07 1964
SN93 06 1964	SN94 06 1964

Historical Map - Segment A13

A01	A02	A03	A04	A05
A06	A07	A08	A09	A10
A11	A12	A13	A14	A15
A16	A17	A18	A19	A20
A21	A22	A23	A24	A25



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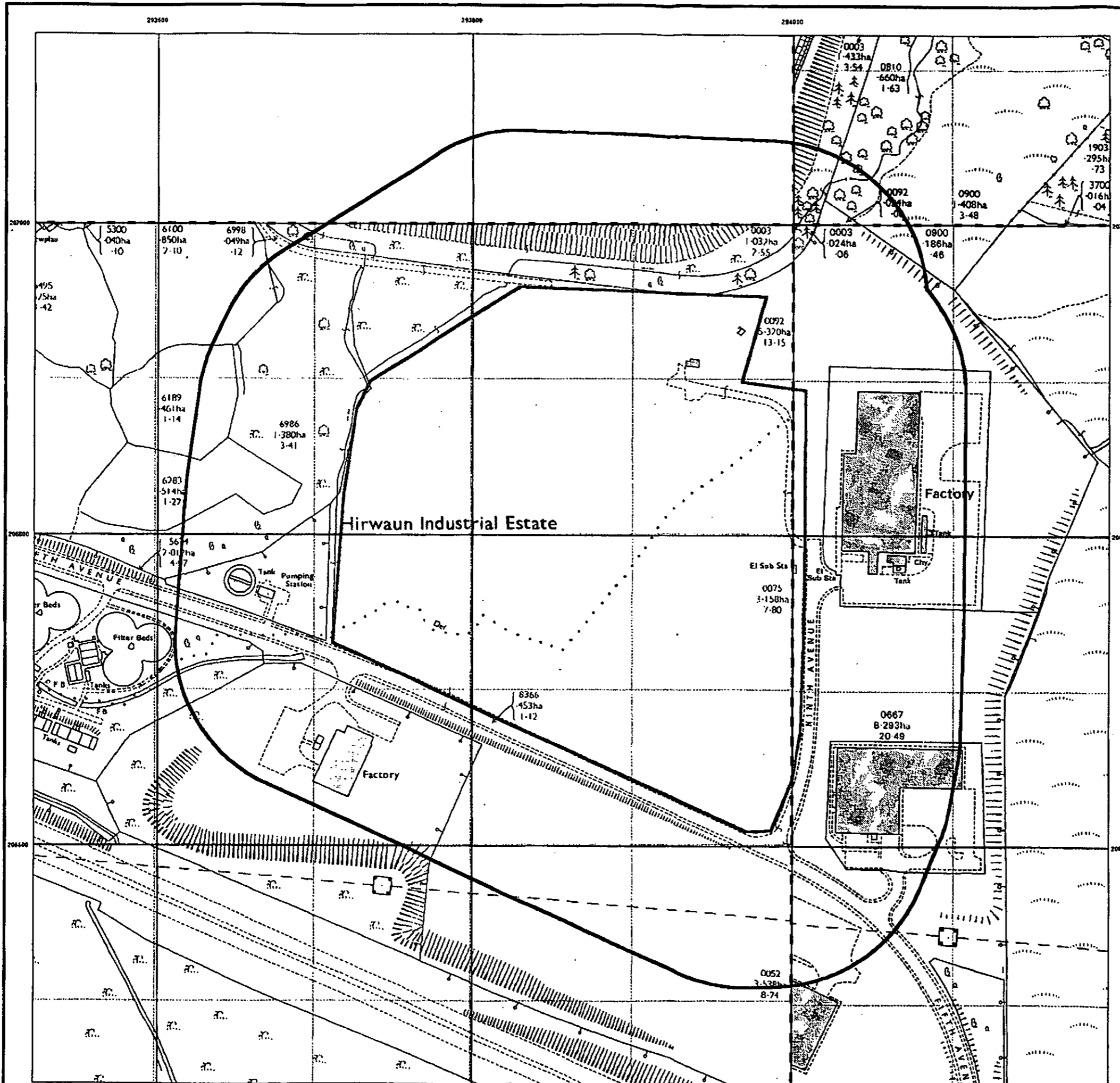
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 Slice: A
 Site Area (Ha): 7.96
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Site Details

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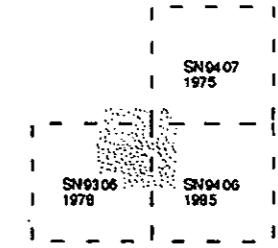
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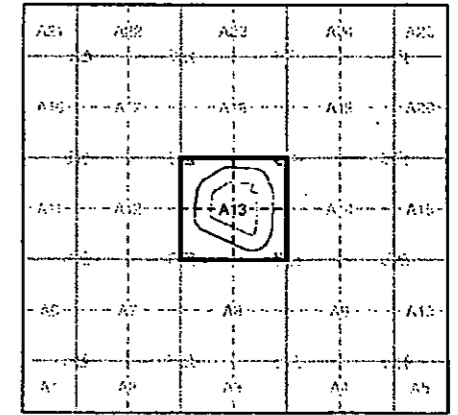
ERM
Ordnance Survey Plan
Published 1975 - 1985
Source map scale - 1:2,500

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: 23315733_1_1
 Customer Ref: 0067887.03.01
 National Grid Reference: 293880, 206790
 Slice: A
 Site Area (Ha): 7.96
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Site Details

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ERM

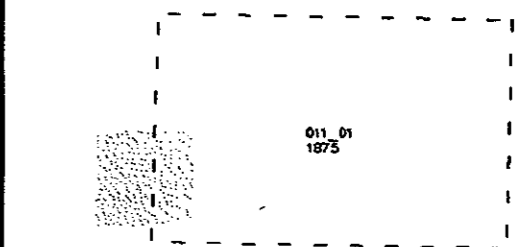
Glamorganshire

Published 1875

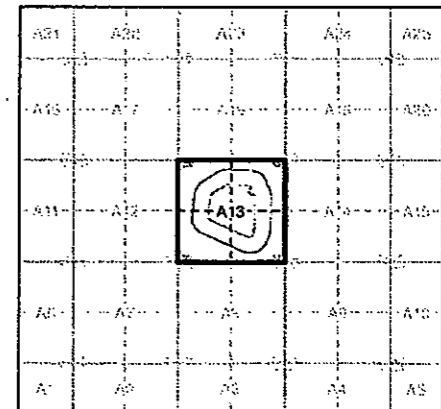
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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

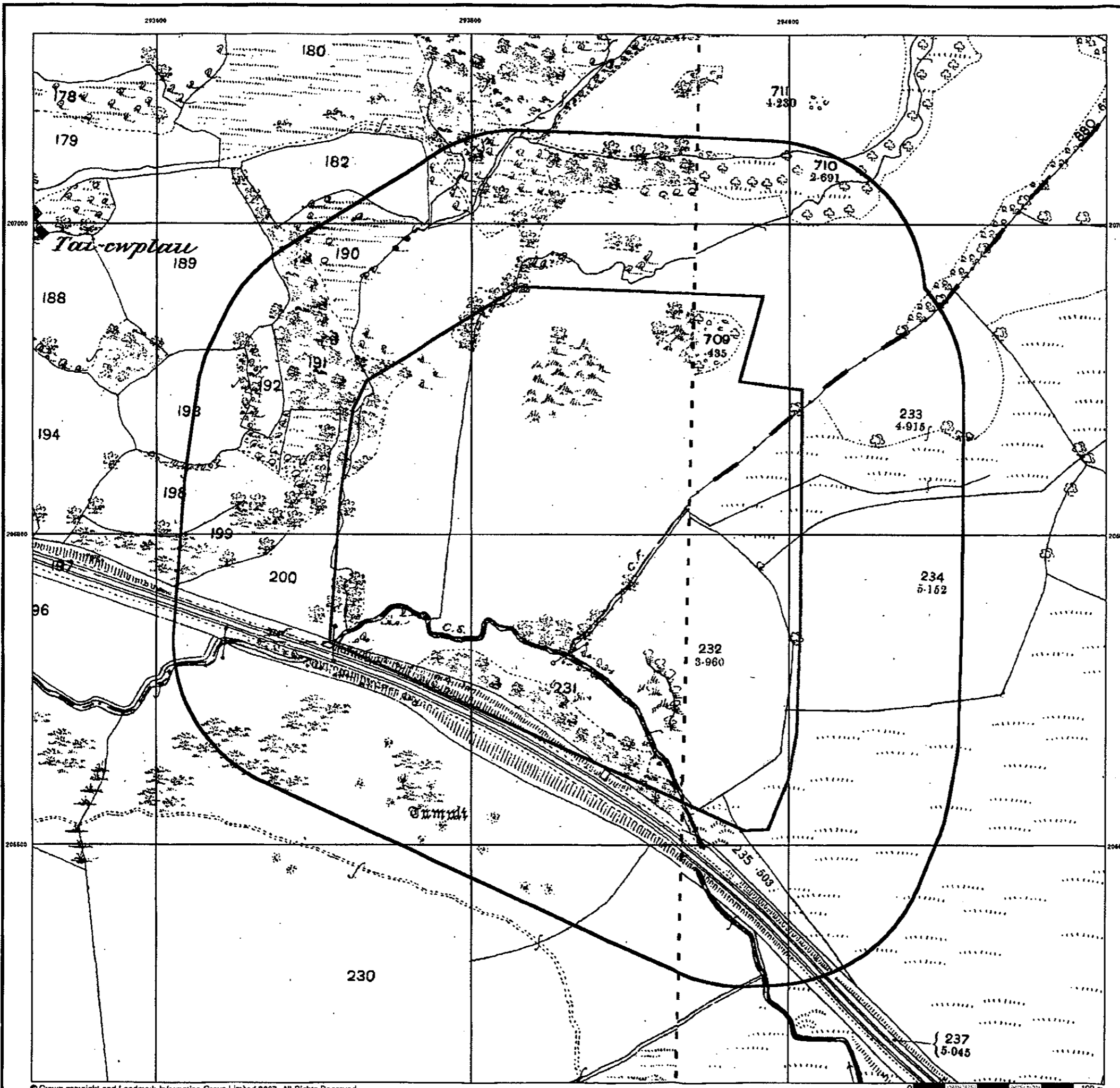
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 Search Buffer (m): 100

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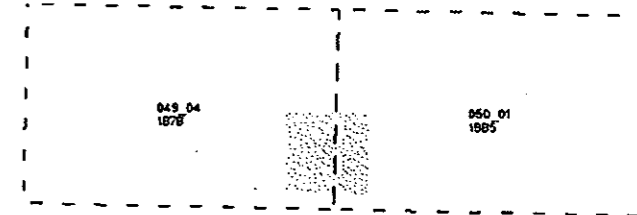
Brecknockshire

Published 1878 - 1885

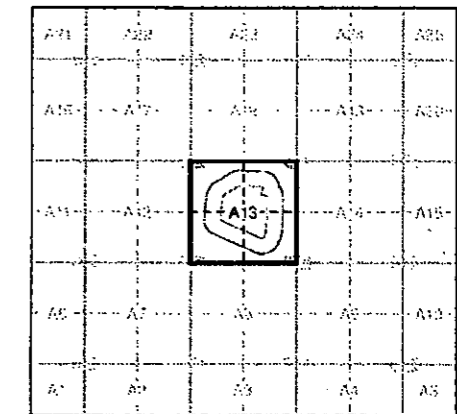
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered 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



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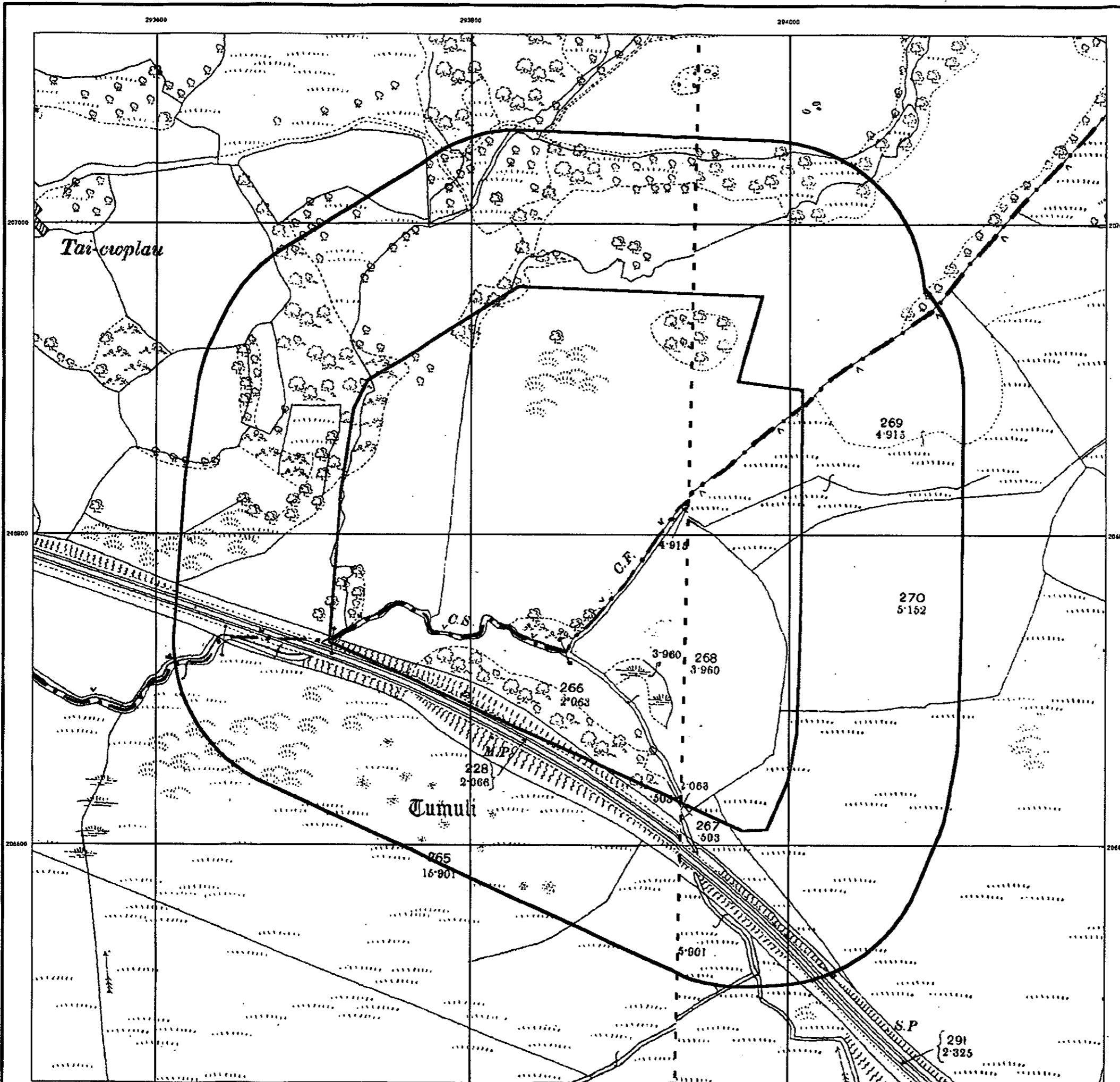
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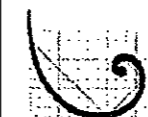
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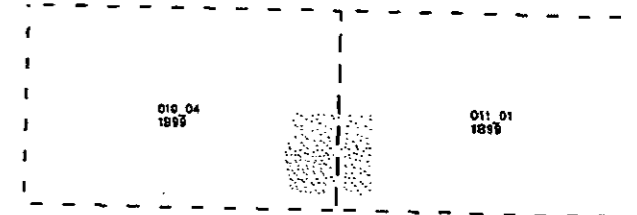
Glamorganshire

Published 1899

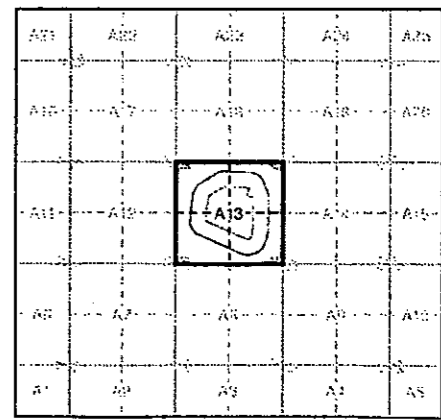
Source map scale - 1:2,500

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

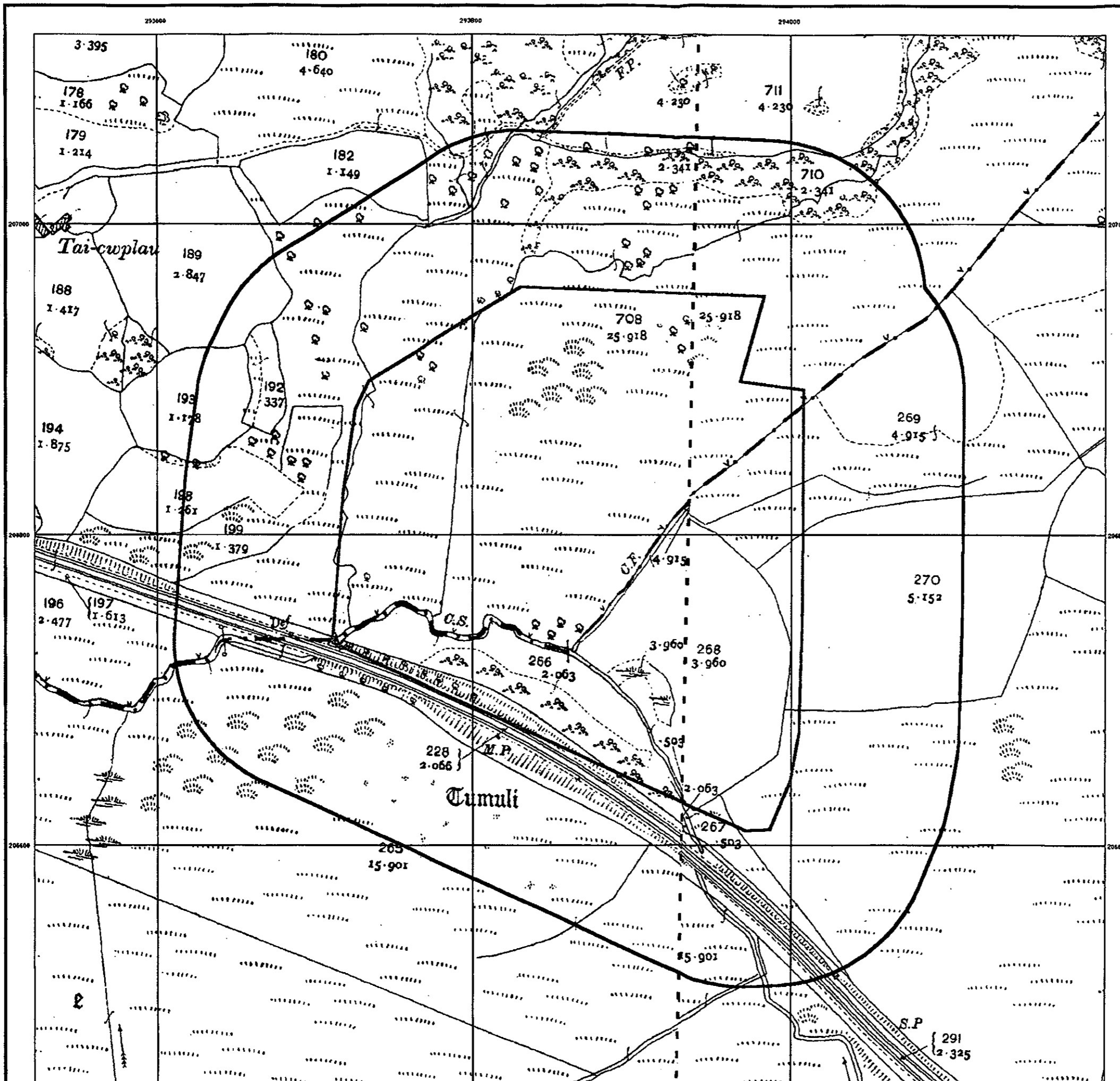
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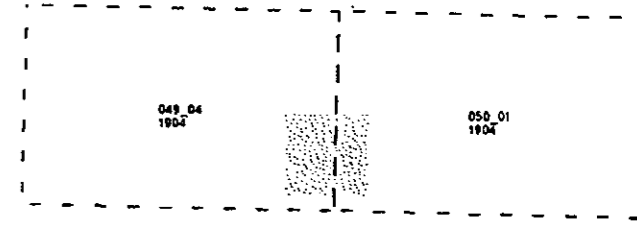
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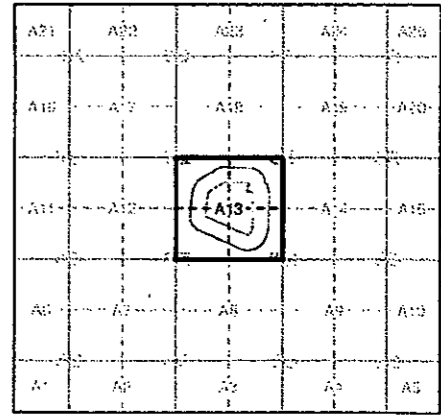
Brecknockshire
Published 1904
Source map scale - 1:2,500

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Map Name(s) and Date(s)



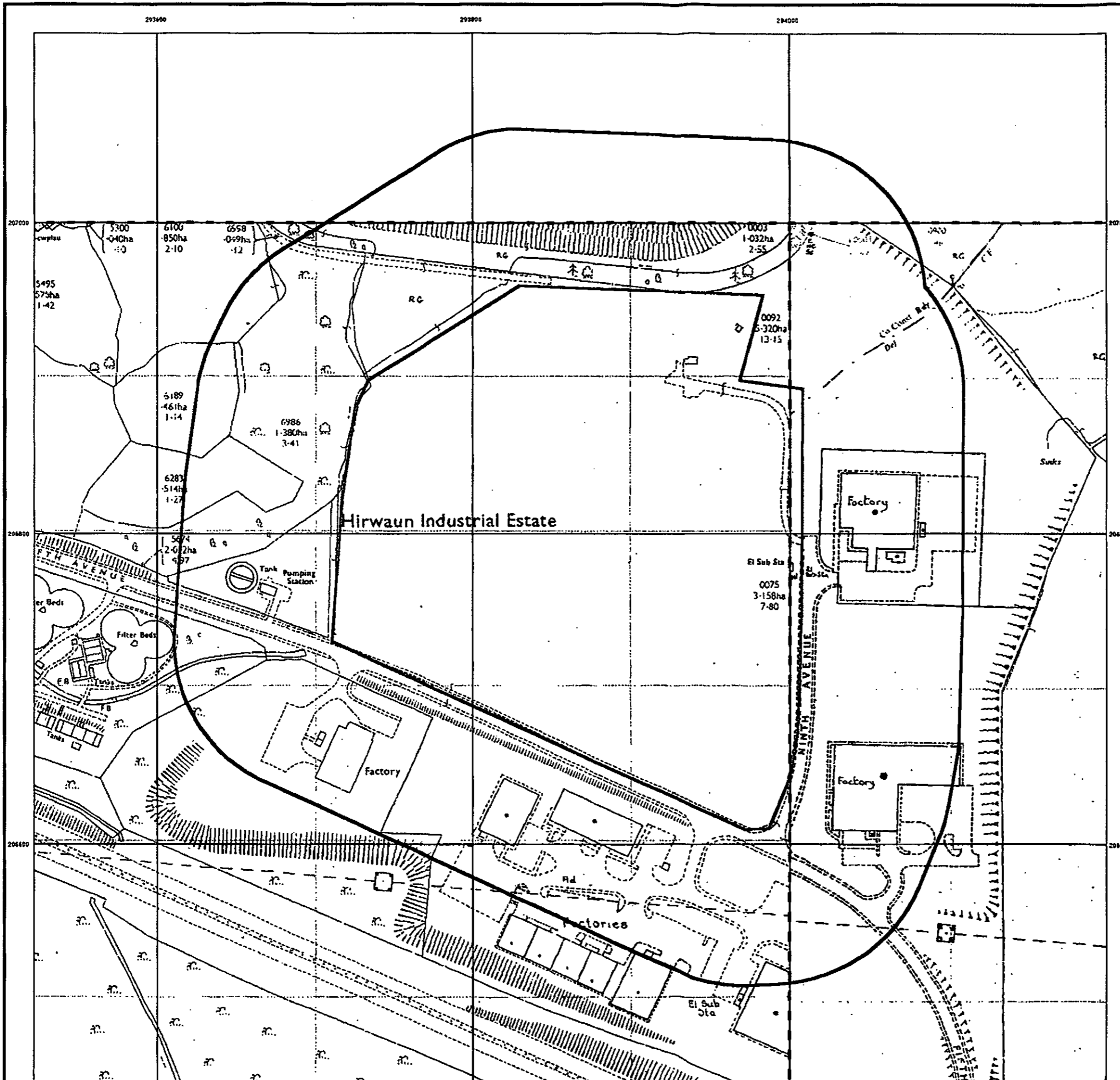
Historical Map - Segment A13



Order Details
 Order Number: 23315733_1_1
 Customer Ref: 0067887.03.01
 National Grid Reference: 293880, 206790
 Slice: A
 Site Area (Ha): 7.96
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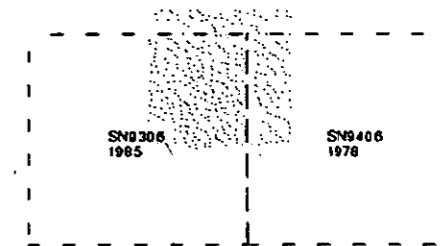
Additional SIMs

Published 1978 - 1985

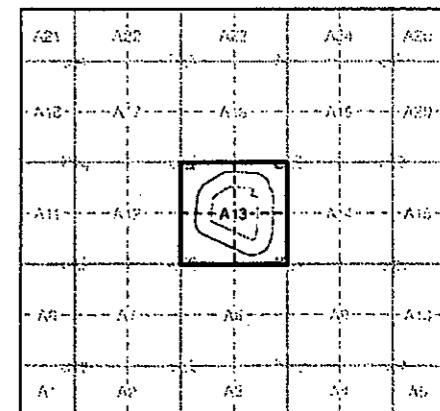
Source map scale - 1:2,500

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

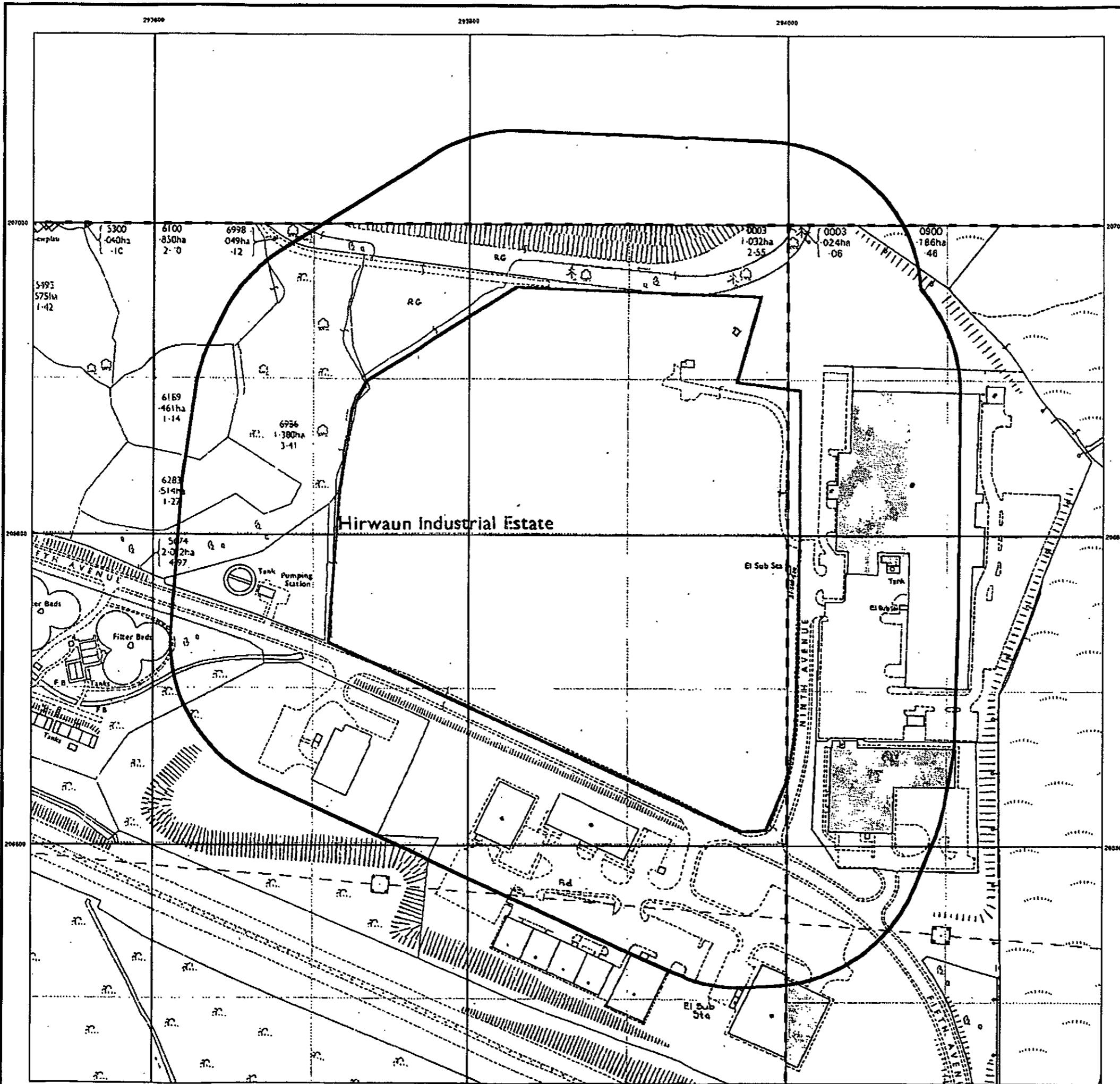
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 Slice: A
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Site Details

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0 100 m



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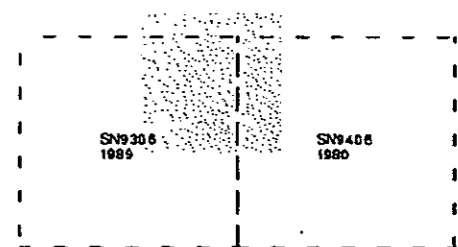
Additional SIMs

Published 1980 - 1989

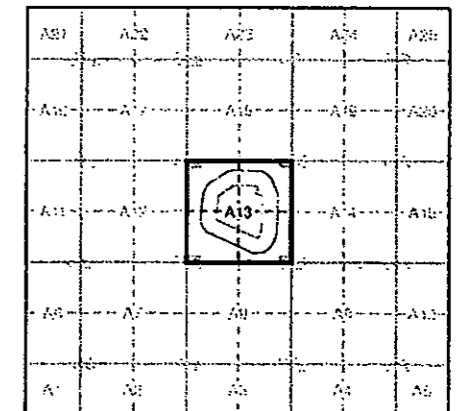
Source map scale - 1:2,500

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

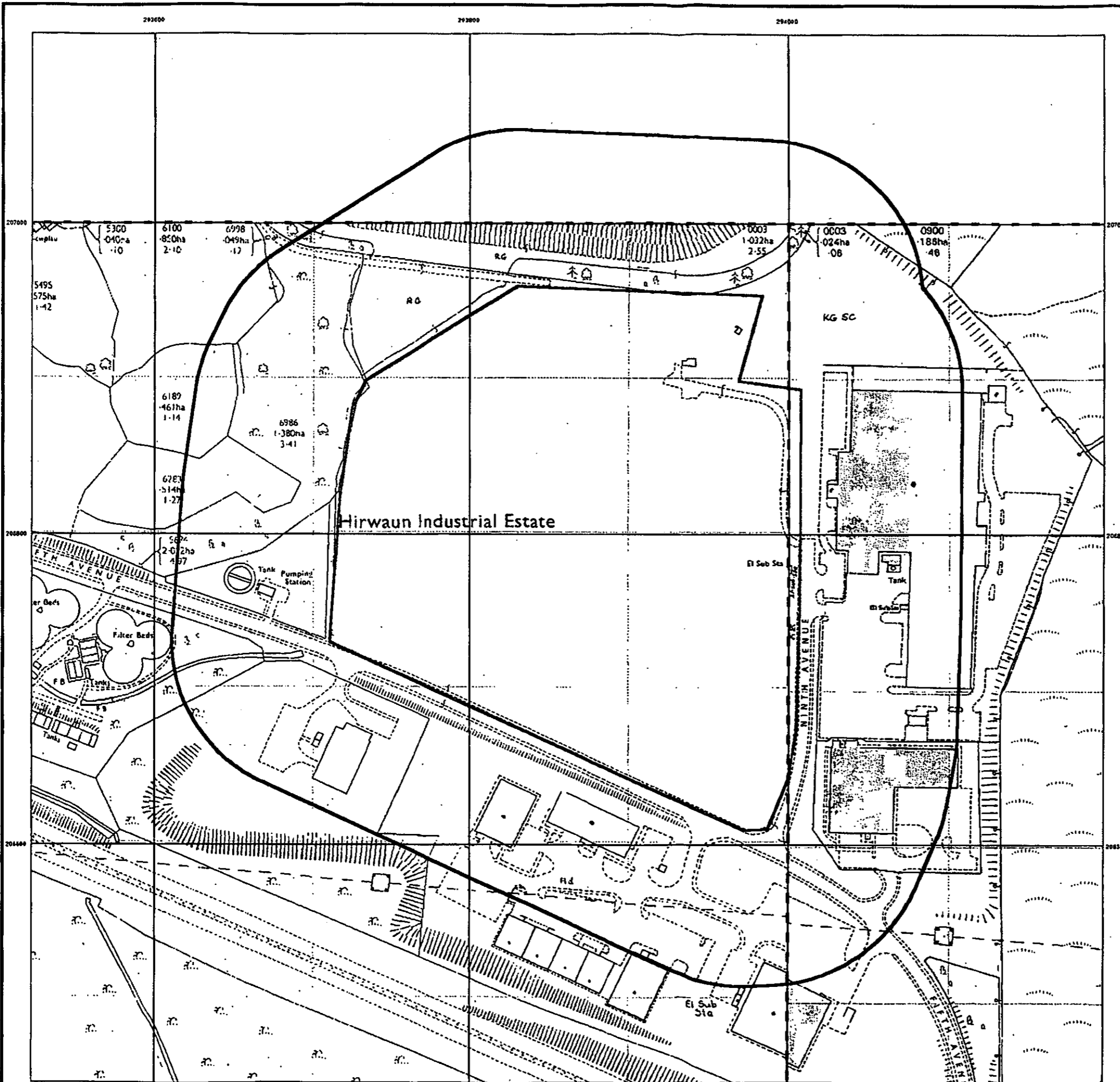
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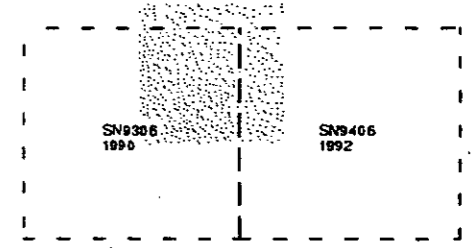
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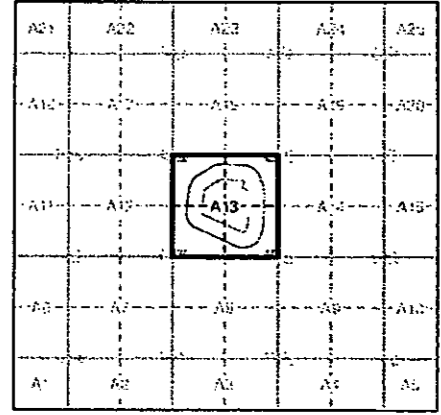
ERM
Additional SIMs
Published 1990 - 1992
Source map scale - 1:2,500

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

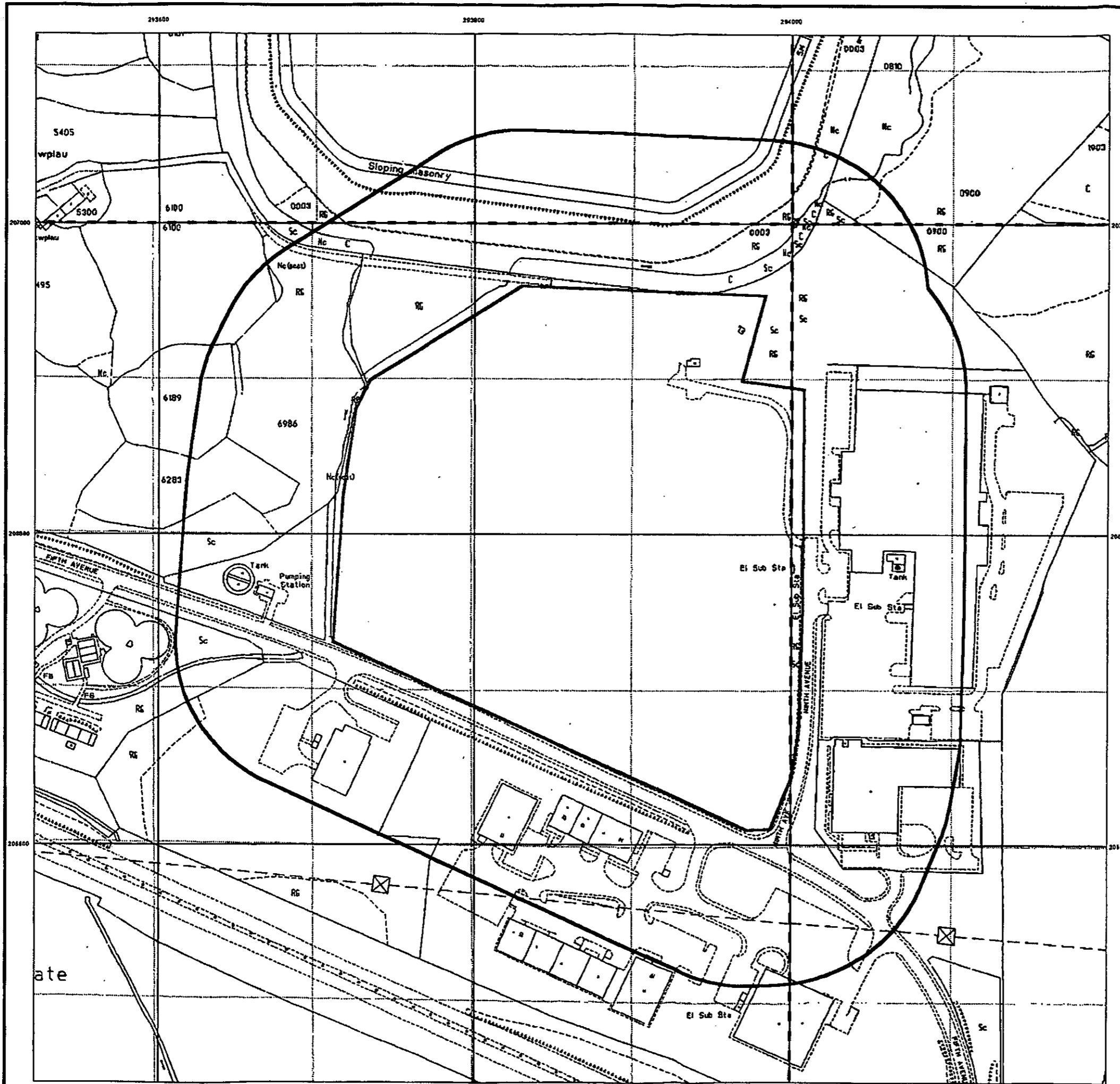
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 Slice: A
 Site Area (Ha): 7.96
 Search Buffer (m): 100

Site Details

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ERM

Large-Scale National Grid Data

Published 1993

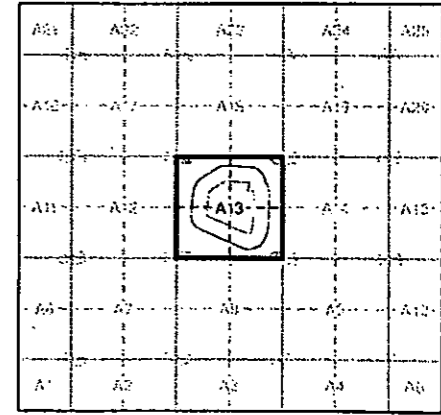
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SN9307 1993	SN9407 1993
SN9308 1993	SN9406 1993

Historical Map - Segment A13



Order Details

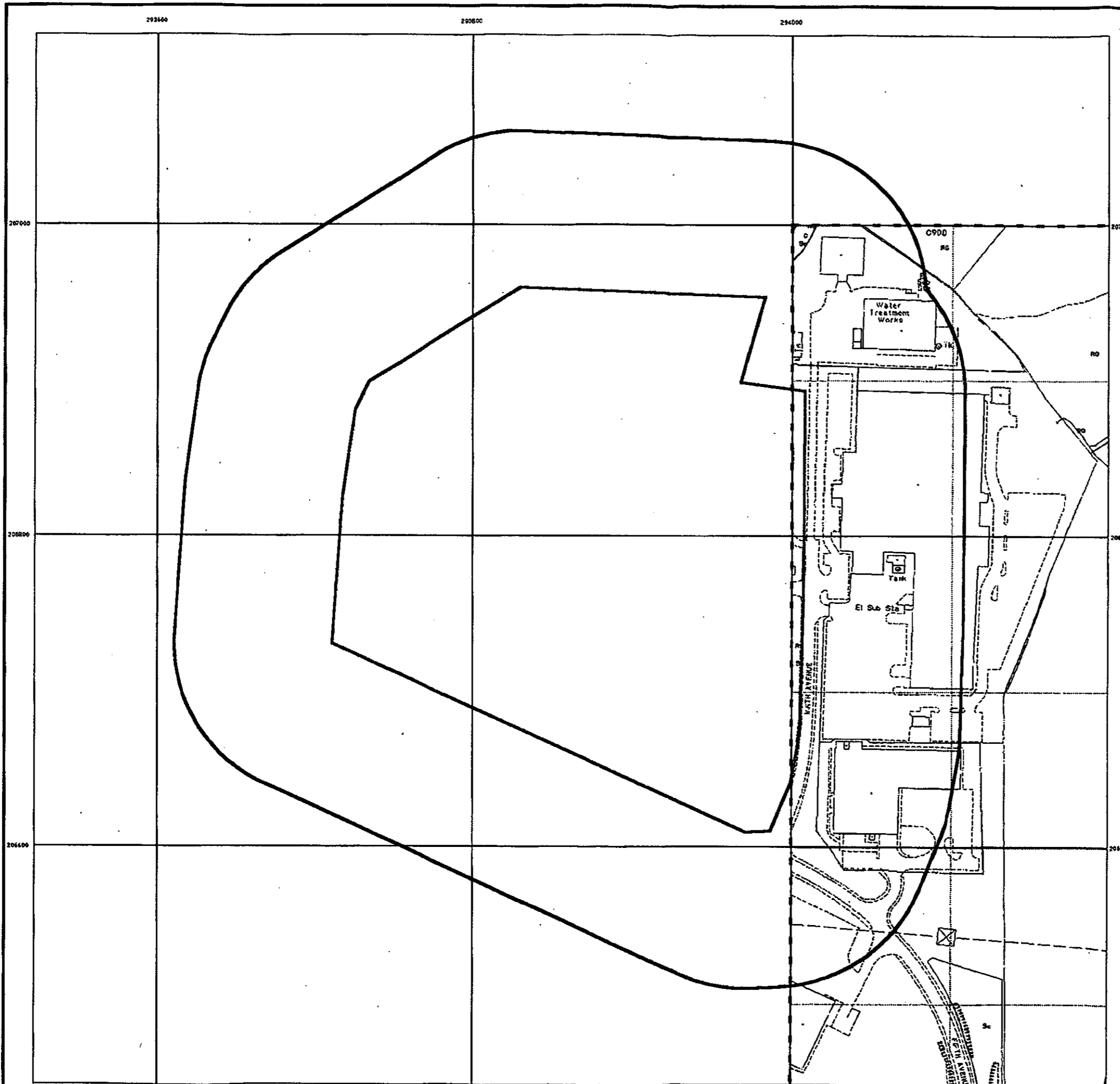
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 National Grid Reference: 293880, 206790
 Slice: A
 Site Area (Ha): 7.96
 Search Buffer (m): 100

Site Details

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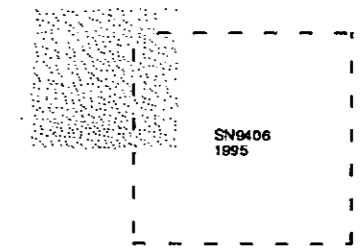
Large-Scale National Grid Data

Published 1995

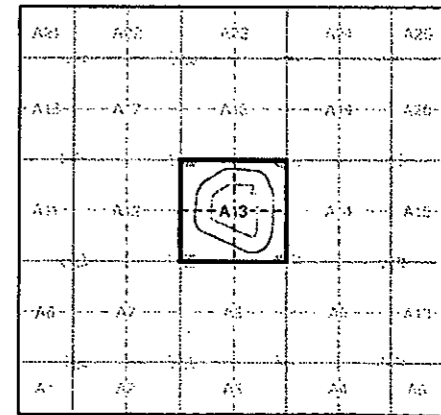
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. 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: 23315733_1_1
 Customer Ref: 0067887.03.01
 National Grid Reference: 293880, 206790
 Slice: A
 Site Area (Ha): 7.96
 Search Buffer (m): 100

Site Details

Site at, Hirwaun, Rhondda, Cynon, Taff



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ERM

Order Details

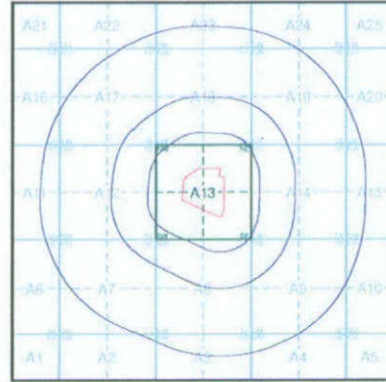
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 National Grid Reference: 293880, 206790
 Slice: A
 Site Area (Ha): 7.96
 Search Buffer (m): 1000

Site Details

Site at, Hirwaun, Rhondda, Cynon, Taff

Agency and Hydrological

Source Protection Zones - Slice A



Background	General	Agency and Hydrological
Footpath	Specified Site	Source Protection Zone I
Bridleway	Specified Buffer(s)	Source Protection Zone II
Byway open to all traffic	Bearing Reference Point	Source Protection Zone III
Road Used as a Public Path	Map ID	Zone of Special Interest
Other routes with Public Access		Source Protection Zone Borehole
National Trail or Long Distance Route		
Contour		
Fishing		
Nature Reserve		



ERM

Order Details

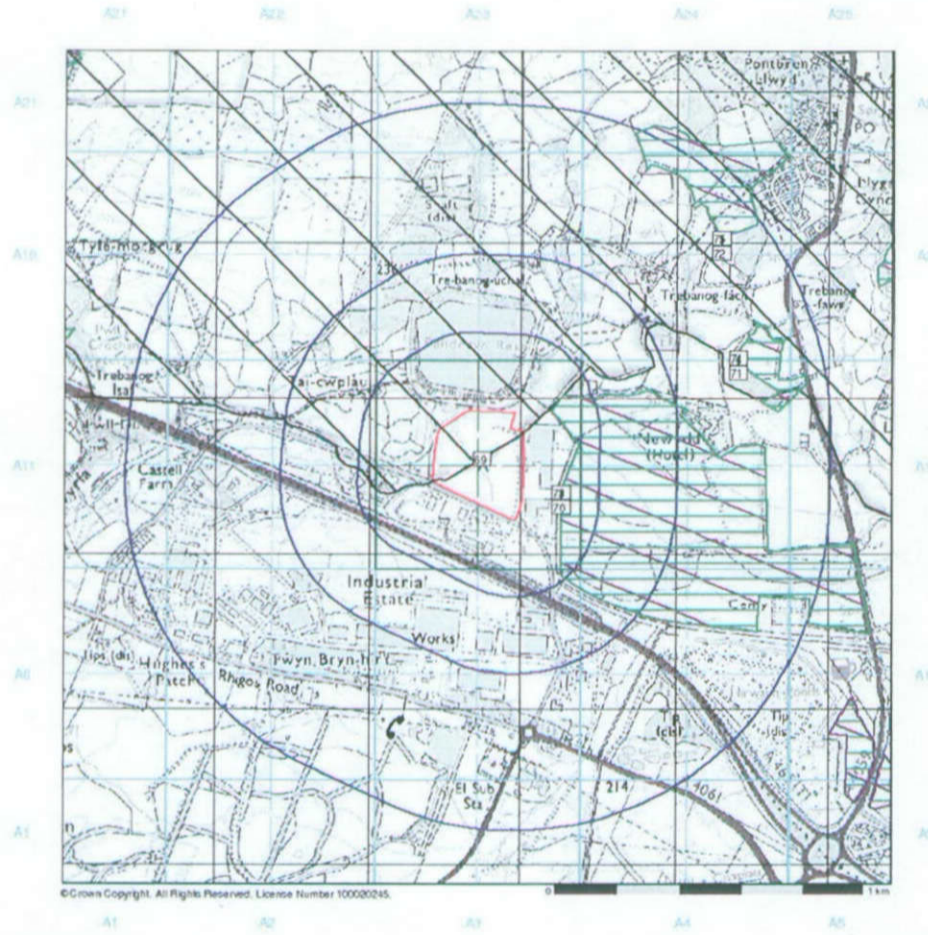
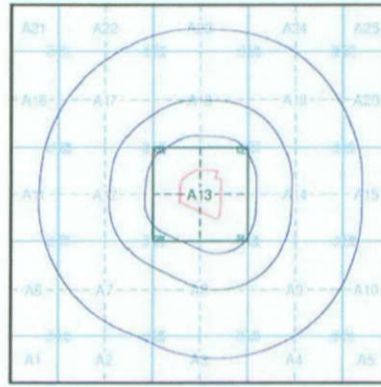
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 Slice: A
 Site Area (Ha): 7.96
 Search Buffer (m): 1000

Site Details

Site at, Hirwaun, Rhondda,Cynon,Taff

Sensitive Land Uses

Sensitive Land Uses - Slice A



Background	General	Sensitive Land Uses
Footpath	Specified Site	Local Nature Reserve
Bridleway	Specified Buffer(s)	Marine Nature Reserve
Byway open to all traffic	Bearing Reference Point	National Nature Reserve
Road Used as a Public Path	Map ID	National Park
Other routes with Public Access		Nitrate Sensitive Area
National Trail or Long Distance Route		Nitrate Vulnerable Zone
Contour		Ramsar Site
Fishing		Site of Special Scientific Interest
Nature Reserve		Special Area of Conservation
	Sensitive Land Uses	Special Protection Area
	Area of Adopted Green Belt	
	Area of Unadopted Green Belt	
	Area of Outstanding Natural Beauty	
	Environmentally Sensitive Area	
	Forest Park	



ERM

Order Details

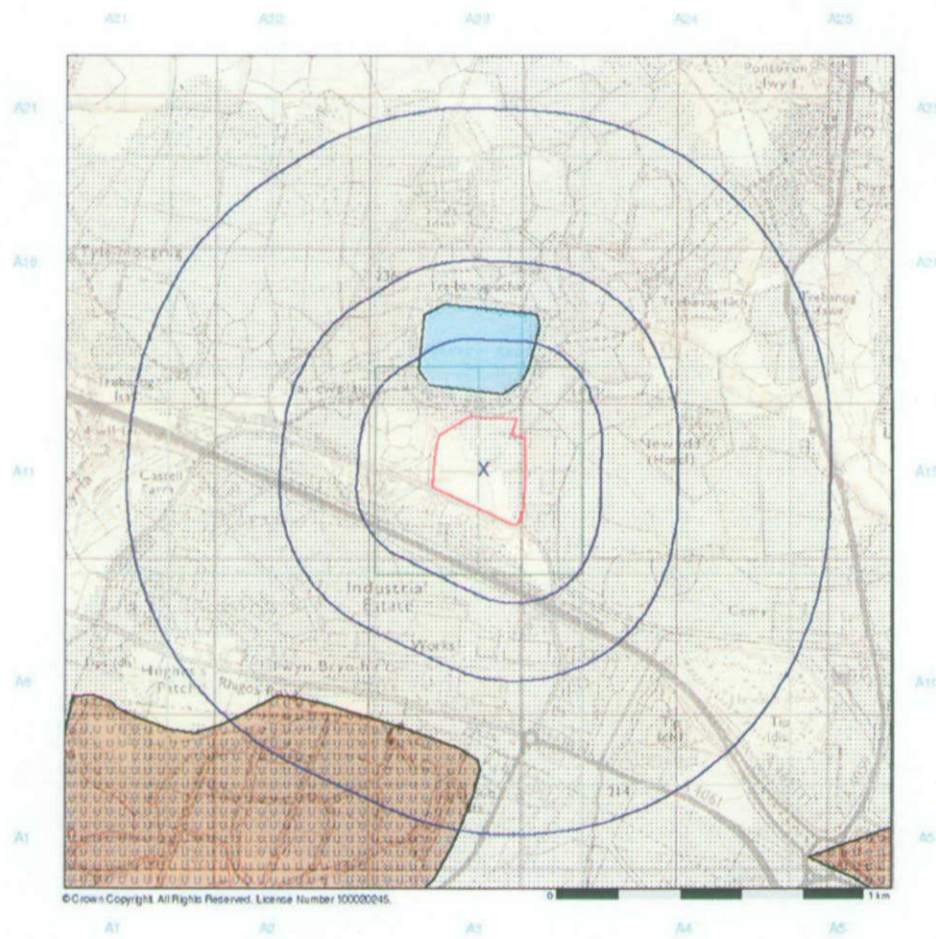
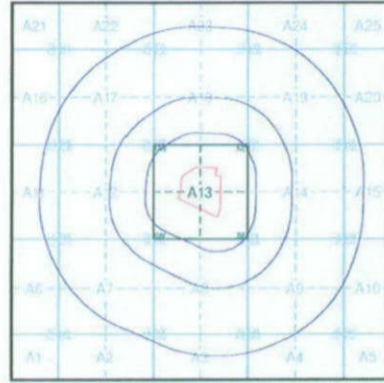
Order Number: 23315733_1_1
 Customer Ref: 0067887.03.01
 National Grid Reference: 293880, 206790
 Slice: A
 Site Area (Ha): 7.96
 Search Buffer (m): 1000

Site Details

Site at, Hirwaun, Rhondda,Cynon,Taff

Agency and Hydrological

Groundwater Vulnerability - Slice A



Background	General	Agency & Hydrological												
<ul style="list-style-type: none"> Footpath Bridleway Byway open to all traffic Road Used as a Public Path Other routes with Public Access National Trail or Long Distance Route Contour Fishing Nature Reserve 	<ul style="list-style-type: none"> Specified Site Specified Buffer(s) Bearing Reference Point 	<table border="0"> <tr> <td>Geological Classes</td> <td>Soil Classes</td> </tr> <tr> <td>Major Aquifer (Highly Permeable)</td> <td> <ul style="list-style-type: none"> High (H) 1, 2, 3, U Intermediate (I) 1, 2 Low </td> </tr> <tr> <td>Minor Aquifer (Variably Permeable)</td> <td> <ul style="list-style-type: none"> High (H) 1, 2, 3, U Intermediate (I) 1, 2 Low </td> </tr> <tr> <td>Non Aquifer (Negligibly Permeable)</td> <td> <ul style="list-style-type: none"> Low </td> </tr> <tr> <td>Water or Sea</td> <td></td> </tr> <tr> <td>Drift Deposit</td> <td></td> </tr> </table>	Geological Classes	Soil Classes	Major Aquifer (Highly Permeable)	<ul style="list-style-type: none"> High (H) 1, 2, 3, U Intermediate (I) 1, 2 Low 	Minor Aquifer (Variably Permeable)	<ul style="list-style-type: none"> High (H) 1, 2, 3, U Intermediate (I) 1, 2 Low 	Non Aquifer (Negligibly Permeable)	<ul style="list-style-type: none"> Low 	Water or Sea		Drift Deposit	
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Drift Deposit														

ERM's Swansea Office

Llandarcy House 11A
The Courtyard, Llandarcy
Swansea Bay, Wales, SA106EJ
T: +44 1792 325000
F: +44 1792 817396
www.erm.com