

## APPENDIX 11.1

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Geo-environmental assessment,  
Phase 2 Development

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Part 2 of 4

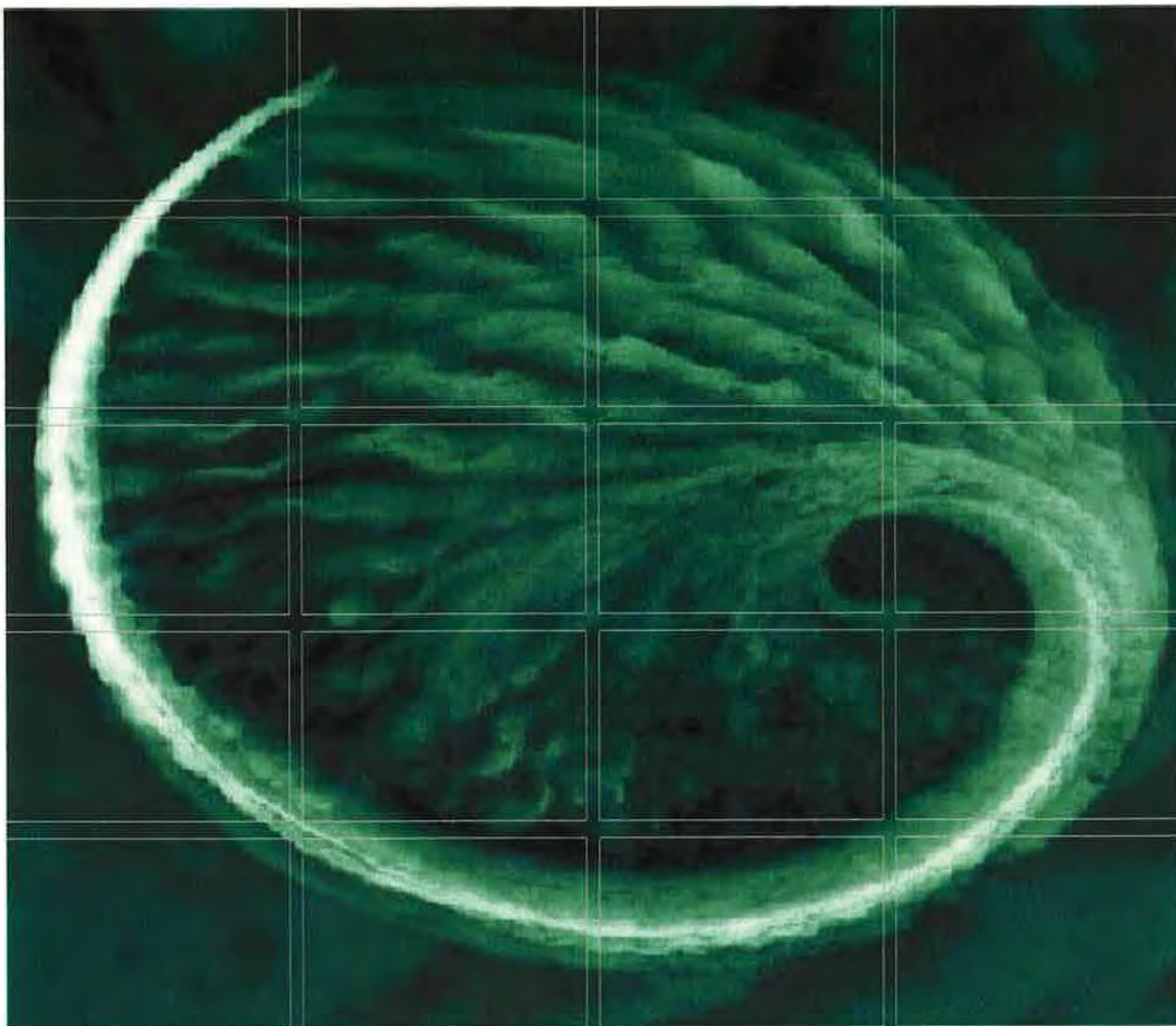




**APPENDIX B**  
**ERM, PHASE 1 ENVIRONMENTAL DESK STUDY**







# Hirwaun Ecopark

Phase 1 Environmental Desk Study

Final Report

November 2007

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*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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## **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 Group<sup>1</sup>. 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<sup>2,3</sup>.

### **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) <sup>1</sup> Envirocheck Report – Hirwaun – 26<sup>th</sup> October 2007

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

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



## 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 26<sup>th</sup> October 2007 shows that no structures are present at the site until 1951<sup>1</sup> 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) <sup>1</sup> 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 26<sup>th</sup> 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 19<sup>th</sup> 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.



## 3.1

## GEOLOGICAL AND HYDROLOGICAL SETTING

The information regarding the geology of the site has been obtained through site investigations undertaken at the site<sup>1,2</sup>.

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) <sup>1</sup> 17 Acre Site at The Hirwaun Industrial Estate, September 1995 (Ref:P329.01)

(3) <sup>2</sup> 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 Gwrrangon 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.

## 4.1

## 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 ICRCL 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/m<sup>2</sup> 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/m<sup>2</sup> 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/m<sup>2</sup>. 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 m<sup>2</sup>/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/m<sup>3</sup>. At moisture content of 15% the dry density was 1.8 Mg/m<sup>3</sup>, 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:

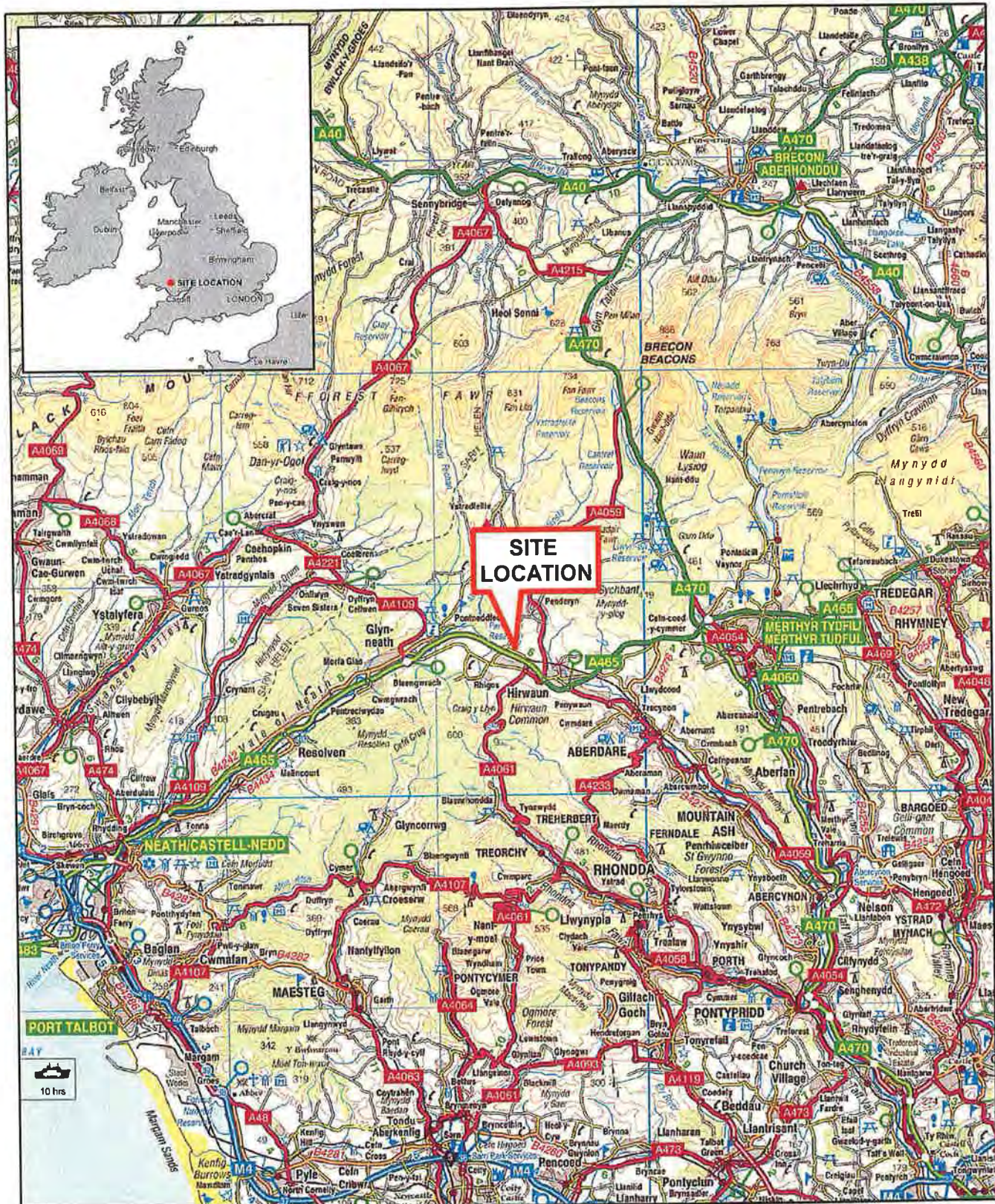
1. refinement of the outline Conceptual Site Model to obtain information to provide to Local Planning Authority (LPA) in anticipation of planning conditions relating to ground conditions. Note if appropriately scoped, site investigation data could support the Application Site Report (ASR) required for 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.

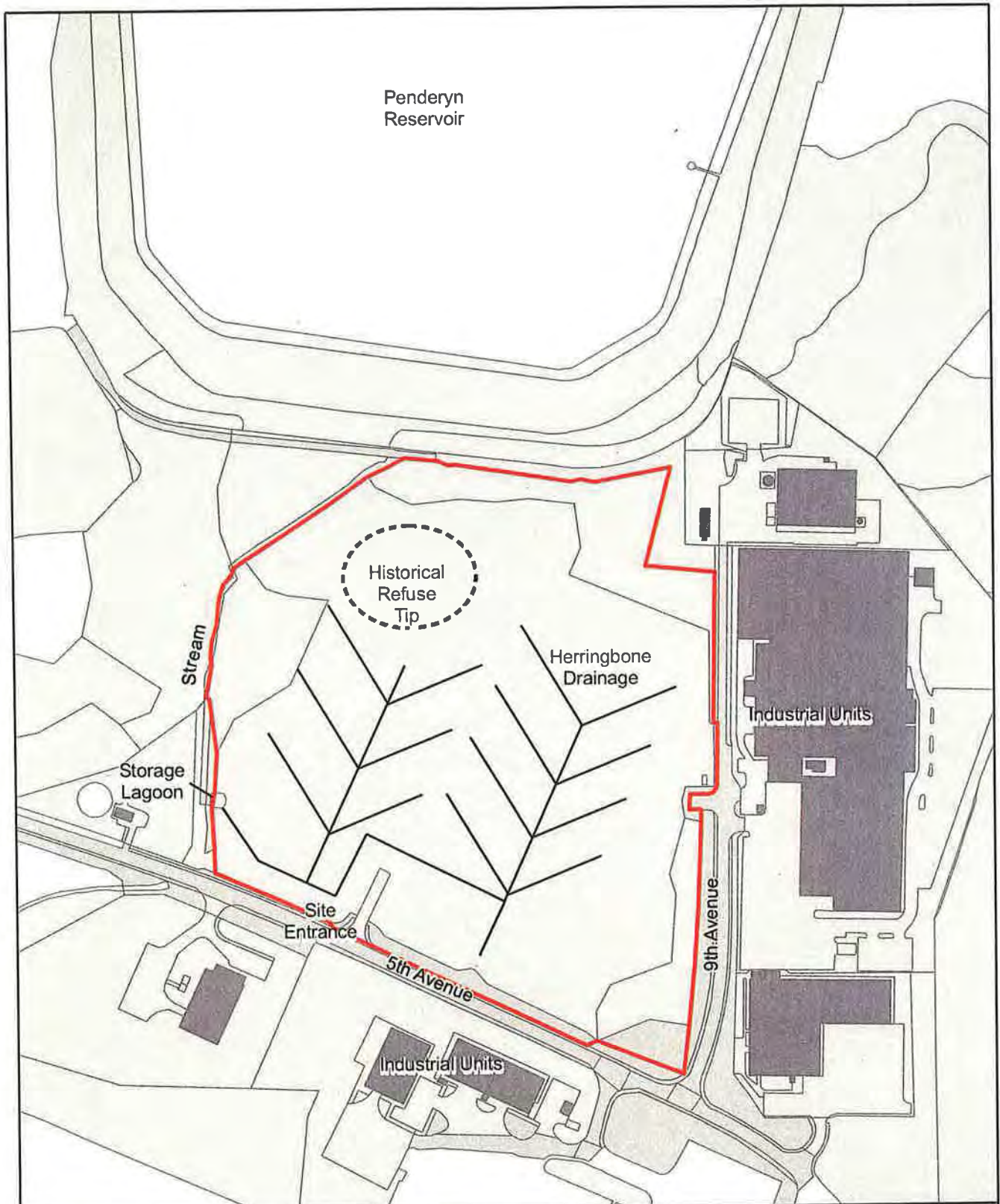
The cost of the undertaking of the above mentioned work would cost in the region of £15-20,000.


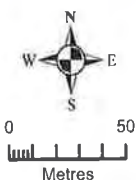





	CLIENT: Marlborough Developments Ltd SIZE: A4	TITLE: Figure 2.1 Site Location Hirwaun Ecopark
	ERM Llandarcy House 11A The Courtyard Llandarcy Swansea Bay, SA10 6EJ Tel: 01792 814907 Fax: 01792 817396	DATE: 12/11/2007 CHECKED: PN PROJECT: 0067887
	SOURCE: Reproduced from Ordnance Survey digital map data. © Crown copyright. All rights reserved. 2007 License number 01 00031673. PROJECTION: British National Grid	DRAWN: IG APPROVED: SCALE: 1:250,000
DRAWING: HirwaunSiteLocation.mxd		REV: 0



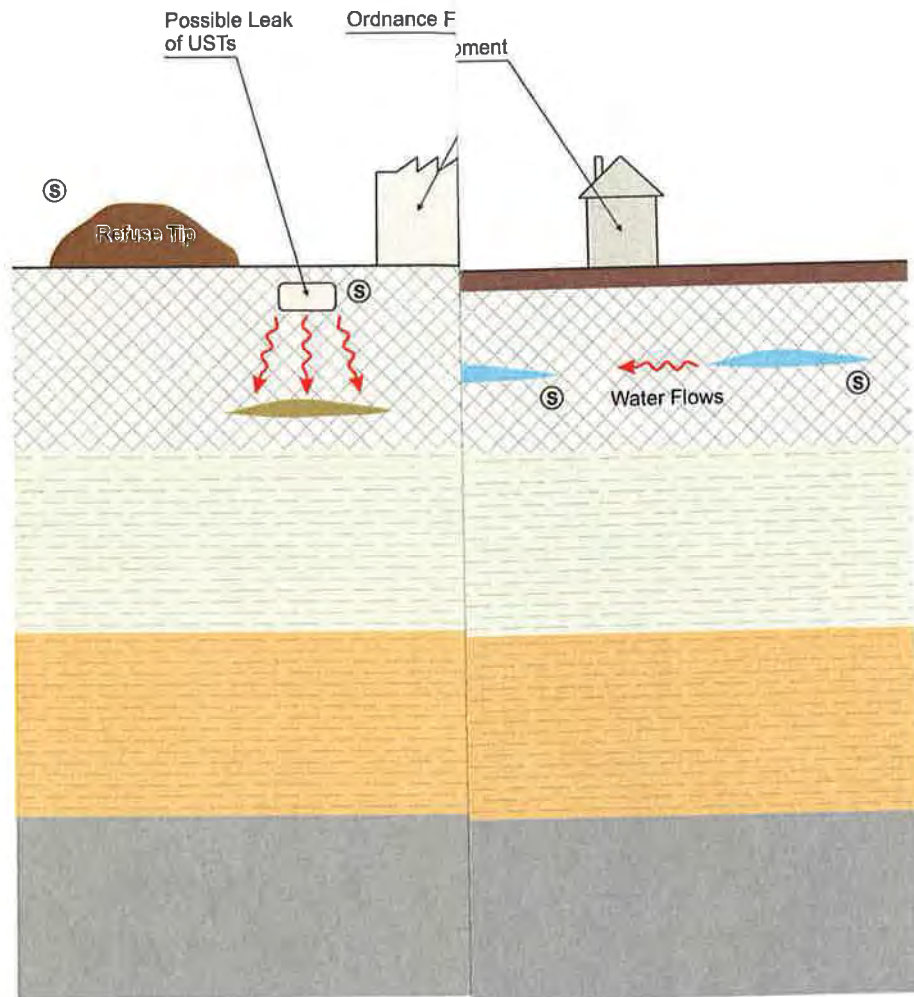


<b>KEY:</b>  Site Boundary	<b>CLIENT:</b> Marlborough Developments Ltd	<b>SIZE:</b> A4	<b>TITLE:</b> Figure 2.2 Site Layout Hirwaun Ecopark		
	<b>ERM</b> Llandarcy House 11A The Courtyard Llandarcy Swansea Bay, SA10 6EJ Tel: 01792 814907 Fax: 01792 817396		DATE: 12/11/2007	CHECKED: PN	PROJECT: 0067887
	SOURCE: Reproduced from Ordnance Survey digital map data. © Crown copyright. All rights reserved. 2007 License number 0100031673 PROJECTION: British National Grid		DRAWN: IG	APPROVED:	SCALE: 1:3,000
	DRAWING: SiteLayout.mxd REV: 0				

# 1940's - 1970's Planned Development

W

E



## KEY:

- Hardstanding
- Made ground
- Alluvium
- Boulder clay
- Bedrock (lower coal measures)
- S Source
- P Pathway
- R Receptor

SIZE:  
A3

TITLE:  
Figure 3.4: Conceptual Site Model



DATE: 12.11.07	CHECKED: PN	PROJECT: 0067887
DRAWN: MTC	APPROVED:	SCALE: Not to Scale
DRAWING: 0067887_1 - 12.11.07		REV: 0

Annex A

## Envirocheck Report



## **Envirocheck<sup>®</sup> 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

Hlrwaun

Rhondda, Cynon, Taff

### **Client Details:**

Ms F Coffman

ERM

Eaton House

Wallbrook Court

North Hinksley Lane

Oxford

OX2 0QS



Report Section	Page Number
Summary	-
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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)
<b>Agency &amp; Hydrological</b>					
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
<b>Waste</b>					
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)
<b>Hazardous Substances</b>					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
<b>Geological</b>					
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
<b>Industrial Land Use</b>					
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)
<b>Sensitive Land Use</b>					
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					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<b>Discharge Consents</b> 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	A13SW (W)	32	1	293680 206740
1	<b>Discharge Consents</b> 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	A13SW (W)	32	1	293680 206740
2	<b>Discharge Consents</b> 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	A13SW (W)	145	1	293568 206759
3	<b>Discharge Consents</b> 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	A12SE (W)	204	1	293507 206720

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<b>Discharge Consents</b> Operator: British Coal Opencast Property Type: Coal Extraction, Surface Location: Flyndalf 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: <b>Consent expired</b> Positional Accuracy: Located by supplier to within 100m	A8SW (S)	689	1	293670 205990
4	<b>Discharge Consents</b> Operator: British Coal Opencast Property Type: Coal Extraction, Surface Location: Flyndalf 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: <b>Authorisation revoked/Revoked</b> Positional Accuracy: Located by supplier to within 10m	A8SW (S)	689	1	293670 205990
4	<b>Discharge Consents</b> Operator: British Coal Opencast Property Type: Undefined Or Other Location: Flyndalf 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: <b>Consent expired</b> Positional Accuracy: Located by supplier to within 10m	A8SW (S)	698	1	293670 205980
4	<b>Discharge Consents</b> Operator: Coal Authority Property Type: Coal Extraction, Surface Location: Flyndalf 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: <b>Authorisation revoked/Revoked</b> 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	<b>Discharge Consents</b> Operator: Dwr Cymru Cyfyngedig 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	A23SW (N)	841	1	293800 207800
6	<b>Discharge Consents</b> 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 Bwlch Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A3NE (S)	848	1	294100 205770
7	<b>Discharge Consents</b> Operator: Eftec 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	A4NW (S)	935	1	294200 205700
7	<b>Discharge Consents</b> Operator: Eftec Ltd Property Type: Industrial Parks & Estates Location: Eftec Ltd Rhigos Hirwaun Aberdare, Rhigos, Hirwaun Aberdare, C144 9ue 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	A4NW (S)	935	1	294200 205700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	<b>Local Authority Pollution Prevention and Controls</b> 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	A13SE (SE)	51	2	294050 206634
9	<b>Local Authority Pollution Prevention and Controls</b> 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	A13SW (S)	55	2	293823 206618
10	<b>Local Authority Pollution Prevention and Controls</b> 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	A13NE (E)	61	2	294068 206802
11	<b>Local Authority Pollution Prevention and Controls</b> 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	A8NW (S)	479	2	293669 206222
12	<b>Local Authority Pollution Prevention and Controls</b> 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	A12SW (W)	694	2	293033 206581
13	<b>Local Authority Pollution Prevention and Controls</b> Name: Walters Uk Ltd Location: Hirwaun House, Hirwaun Industrial Estate, Hirwaun, Aberdare, CF44 8UL 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	A7NE (SW)	724	2	293198 206220



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	<b>Local Authority Pollution Prevention and Controls</b> Name: Wallers 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: PG3/16 Mobile screening and crushing processes Status: Authorisation certificate surrendered by operator[Surrendered Positional Accuracy: Manually positioned within the geographical locality	A7NW (SW)	762	2	293188 206229
15	<b>Local Authority Pollution Prevention and Controls</b> 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	<b>Local Authority Pollution Prevention and Controls</b> 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
	<b>Nearest Surface Water Feature</b>	A13NE (E)	0	-	293925 206794
17	<b>Pollution Incidents to Controlled Waters</b> 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	<b>Pollution Incidents to Controlled Waters</b> 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: 2867 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	<b>Pollution Incidents to Controlled Waters</b> 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: 18th 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 206600



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	<b>Pollution Incidents to Controlled Waters</b> 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	<b>Pollution Incidents to Controlled Waters</b> 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	293660 206730
20	<b>Pollution Incidents to Controlled Waters</b> 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	<b>Pollution Incidents to Controlled Waters</b> 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	<b>Pollution Incidents to Controlled Waters</b> 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	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Hirwaun Industrial Estate Authority: Environment Agency, Welsh Region Pollutant: Farm Effluent/Slurry Note: Weather Incident Date: 21st November 1996 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	293800 206695

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Hirwaun Stw Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Accidental Spillage/Leakage Incident Date: 20th August 1996 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	A12SE (W)	212	1	293500 206750
22	<b>Pollution Incidents to Controlled Waters</b> 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	A12SE (W)	213	1	293500 206700
22	<b>Pollution Incidents to Controlled Waters</b> 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	A12SE (W)	214	1	293500 206695
23	<b>Pollution Incidents to Controlled Waters</b> 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	A19SW (NE)	497	1	294200 207400
24	<b>Pollution Incidents to Controlled Waters</b> 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	A9NW (SE)	516	1	294300 206200
25	<b>Pollution Incidents to Controlled Waters</b> 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	A12NW (W)	623	1	293100 206900



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	<b>Pollution Incidents to Controlled Waters</b> 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	<b>Pollution Incidents to Controlled Waters</b> 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	<b>Pollution Incidents to Controlled Waters</b> 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	<b>Pollution Incidents to Controlled Waters</b> 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	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Village Of, CLYNE Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Nant Gwranon (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	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Flyndaff 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	<b>Pollution Incidents to Controlled Waters</b> 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	<b>Pollution Incidents to Controlled Waters</b> 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	293900 205800
32	<b>Prosecutions Relating to Authorised Processes</b> 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	<b>Prosecutions Relating to Authorised Processes</b> Location: Unit 10 Hirwaun Industrial Estate, Merthyr Tydfil, Cf44 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
	<b>River Quality</b> Name: Camnant GQA 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
	<b>River Quality</b> Name: Sychryd GQA Grade: River Quality B Reach: Conf.Mellie - 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
	<b>River Quality</b> Name: Gwrrangon GQA Grade: River Quality A Reach: Conf.Camnant - Conf.Canwyllt Estimated Distance (km): 3.6 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	<b>River Quality Biology Sampling Points</b> Name: Camnant Reach: Confl.R.Gwrangon - 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	<b>River Quality Chemistry Sampling Points</b> Name: Camnant Reach: Confluence River Gwrangon 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	<b>Substantiated Pollution Incident Register</b> 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

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> 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 1990 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A20NE (NE)	1471	1	295220 207750
	<b>Water Abstractions</b> 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 Gwalia 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
	<b>Water Abstractions</b> 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
	<b>Water Abstractions</b> 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
	<b>Water Abstractions</b> Operator: Dwr Cymru Cyl Licence Number: 21/57/23/0002 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: Bodwiglad Nr Bodwiglad 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	(E)	1912	1	295850 207405
	<b>Groundwater Vulnerability</b> 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 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 Map Sheet: Sheet 36 Mid Glamorgan Scale: 1:100,000	A13NE (N)	0	1	293910 207034
	<b>Drift Deposits</b> 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 Map Sheet: Sheet 36 Mid Glamorgan Scale: 1:100,000	A13NE (NE)	0	1	293890 206808
	<b>Extreme Flooding from Rivers or Sea without Defences</b> None				
	<b>Flooding from Rivers or Sea without Defences</b> None				
	<b>Areas Benefiting from Flood Defences</b> None				
	<b>Flood Water Storage Areas</b> None				
	<b>Flood Defences</b> None				



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	<b>Historical Landfill Sites</b> 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 1990 Specified Waste: Deposited Waste included Inert, Industrial, Commercial and Household Waste Type: 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	<b>Licensed Waste Management Facilities (Locations)</b> Licence Number: 34257 Location: Unit 49, Hirwaun Ind Est, Hirwaun, Aberdare, R C T, CF44 9UP Operator Name: Citiraya 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
	<b>Local Authority Landfill Coverage</b> Name: Rhondda Cynon Taff County Borough Council - Has supplied landfill data		0	8	292051 208516
39	<b>Registered Landfill Sites</b> 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 9DX 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)	926	1	294470 205821



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	<b>Registered Landfill Sites</b> 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: 208100 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	A7NW (SW)	928	1	292981 206159
41	<b>Registered Waste Treatment or Disposal Sites</b> 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	A8SE (S)	810	1	294000 205800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Lower Westphalian (mainly Productive Coal Measures)	A13NW (NW)	0	3	293585 207035
	<b>Coal Mining Affected Areas</b> 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
	<b>Mining Instability</b> Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A23SE (N)	0		293880 208000
	<b>Potential for Collapsible Ground Stability Hazards</b> No Hazard				
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	3	293880 206850
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	3	293880 206850
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	98	3	294100 206925
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	134	3	293775 206550
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A14NW (E)	243	3	294250 206900
	<b>Potential for Ground Dissolution Stability Hazards</b> No Hazard				
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	3	293725 206850
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	3	293725 206850
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	16	3	293700 206800
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A8NE (SE)	196	3	294050 206425
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A8NE (SE)	228	3	294075 206400
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	3	293880 206850
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	3	293880 206850
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	21	3	293700 206850
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A14NW (E)	243	3	294250 206900
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	3	293700 206850
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> 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
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	98	3	294100 206925
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	134	3	293775 206550
	<b>Radon Affected Areas</b> Description: Less than 1% of homes are above the Action Level Source: Health Protection Agency	A13NE (E)	0	5	294000 206792
	<b>Radon Affected Areas</b> Description: Less than 1% of homes are above the Action Level Source: Health Protection Agency	A13NE (E)	0	5	294000 206792
	<b>Radon Affected Areas</b> Description: Less than 1% of homes are above the Action Level Source: Health Protection Agency	A13NE (N)	41	5	293880 207000
	<b>Radon Affected Areas</b> Description: Less than 1% of homes are above the Action Level Source: Health Protection Agency	A13NE (NE)	50	5	294000 207000
	<b>Radon Protection Measures</b> 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
	<b>Shallow Mining Hazards</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> Name: Bosphorus Wales Food Location: Unit 16, 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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 206184
48	<b>Contemporary Trade Directory Entries</b> 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 206227
49	<b>Contemporary Trade Directory Entries</b> 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 206171
50	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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

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54	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> Name: Houghton Vaughan Plc Location: Unit R, Hirwaun Industrial Estate, Hirwaun, Aberdare, Mid Glamorgan, CF44 9YVW Classification: Lubricant Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	693	-	293033 206586
59	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> Name: Chiltem 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	<b>Contemporary Trade Directory Entries</b> 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 206298
62	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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

# Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
65	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>Contemporary Trade Directory Entries</b> 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	<b>National Parks</b> Name: Brecon Beacons Multiple Area: N Area (m2): 1349543936 Source: The National Assembly for Wales, G1 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	<b>Sites of Special Scientific Interest</b> 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	<b>Sites of Special Scientific Interest</b> Name: Woodland Park And Pontpren Multiple Area: Y Area (m2): 25831.71 Source: Countryside Council for Wales Reference: 1645\33waa Designation Details: Biological Designation Date: 27th January 2000 Date Type: Notified	A19SE (E)	731	7	294699 207129
72	<b>Sites of Special Scientific Interest</b> Name: Woodland Park And Pontpren Multiple Area: Y Area (m2): 86344.33 Source: Countryside Council for Wales Reference: 1645\33waa Designation Details: Biological Designation Date: 27th January 2000 Date Type: Notified	A19NE (NE)	868	7	294646 207514
73	<b>Special Areas of Conservation</b> 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	<b>Special Areas of Conservation</b> 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	<b>Special Areas of Conservation</b> 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
<b>Contaminated Land Register Entries and Notices</b> 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
<b>Discharge Consents</b> Environment Agency - Welsh Region	July 2007	Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - Welsh Region	October 2007	As notified
<b>Integrated Pollution Controls</b> Environment Agency - Welsh Region	January 2007	Quarterly
<b>Integrated Pollution Prevention And Control</b> Environment Agency - Welsh Region	July 2007	Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> 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
<b>Local Authority Pollution Prevention and Controls</b> 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
<b>Local Authority Pollution Prevention and Control Enforcements</b> 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
<b>Nearest Surface Water Feature</b> Ordnance Survey	July 2007	Quarterly
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - Welsh Region	December 1998	Not Applicable
<b>Prosecutions Relating to Authorised Processes</b> Environment Agency - Welsh Region	October 2007	As notified
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - Welsh Region	October 2007	As notified
<b>Registered Radioactive Substances</b> Environment Agency - Welsh Region	July 2007	Quarterly
<b>River Quality</b> Environment Agency - Head Office	November 2001	Not Applicable
<b>River Quality Biology Sampling Points</b> Environment Agency - Head Office	October 2006	Annually
<b>River Quality Chemistry Sampling Points</b> Environment Agency - Head Office	October 2006	Annually
<b>Substantiated Pollution Incident Register</b> Environment Agency - Welsh Region - South East Area Environment Agency - Welsh Region - South West Area	July 2007 July 2007	Quarterly Quarterly
<b>Water Abstractions</b> Environment Agency - Welsh Region	July 2007	Quarterly
<b>Water Industry Act Referrals</b> Environment Agency - Welsh Region	July 2007	Quarterly



Agency & Hydrological	Version	Update Cycle
<b>Groundwater Vulnerability</b> Environment Agency - Head Office	January 1999	Not Applicable
<b>Drift Deposits</b> Environment Agency - Head Office	January 1999	Not Applicable
<b>Source Protection Zones</b> Environment Agency - Head Office	April 2005	Variable
<b>Extreme Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	April 2007	Quarterly
<b>Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	April 2007	Quarterly
<b>Areas Benefiting from Flood Defences</b> Environment Agency - Head Office	April 2007	Quarterly
<b>Flood Water Storage Areas</b> Environment Agency - Head Office	April 2007	Quarterly
<b>Flood Defences</b> Environment Agency - Head Office	April 2007	Quarterly
Waste	Version	Update Cycle
<b>BGS Recorded Landfill Sites</b> British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - Welsh Region	July 2007	Quarterly
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency - Welsh Region - South East Area Environment Agency - Welsh Region - South West Area	August 2007 August 2007	Quarterly Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency - Welsh Region - South East Area Environment Agency - Welsh Region - South West Area	August 2007 August 2007	Quarterly Quarterly
<b>Local Authority Landfill Coverage</b> 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
<b>Local Authority Recorded Landfill Sites</b> 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
<b>Registered Landfill Sites</b> Environment Agency - Welsh Region - South East Area Environment Agency - Welsh Region - South West Area	March 2003 March 2003	Not Applicable Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency - Welsh Region - South East Area Environment Agency - Welsh Region - South West Area	March 2003 March 2003	Not Applicable Not Applicable
<b>Registered Waste Treatment or Disposal Sites</b> 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
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	October 2007	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	August 2007	Bi-Annually
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	November 2000	Not Applicable
<b>Planning Hazardous Substance Enforcements</b> 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
<b>Planning Hazardous Substance Consents</b> 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
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	October 2007	Bi-Annually
<b>BGS 1:625,000 Solid Geology</b> British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
<b>Coal Mining Affected Areas</b> The Coal Authority - Mining Report Service	January 2006	As notified
<b>Mining Instability</b> Ove Arup & Partners	October 2000	Not Applicable
<b>Natural and Mining Cavities</b> Peter Brett Associates	December 2005	Variable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	November 2006	Annually
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	November 2006	Annually
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	November 2006	Annually
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	April 2007	Annually
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	November 2006	Annually
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	November 2006	Annually
<b>Radon Affected Areas</b> Health Protection Agency	January 2003	Not Applicable
<b>Radon Protection Measures</b> British Geological Survey - National Geoscience Information Service	August 2002	Variable
<b>Shallow Mining Hazards</b> British Geological Survey - National Geoscience Information Service	August 2002	Not Applicable

Industrial Land Use	Version	Update Cycle
<b>Contemporary Trade Directory Entries</b> Thomson Directories	August 2007	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - (Fuel Station Data)	October 2007	Quarterly
Sensitive Land Use	Version	Update Cycle
<b>Areas of Outstanding Natural Beauty</b> Countryside Council for Wales	August 2007	Bi-Annually
<b>Environmentally Sensitive Areas</b> The National Assembly for Wales - GI Services (Department of Planning & Countryside)	June 2006	Annually
<b>Forest Parks</b> Forestry Commission	April 1997	Not Applicable
<b>Local Nature Reserves</b> 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
<b>Marine Nature Reserves</b> Countryside Council for Wales	August 2007	Bi-Annually
<b>National Nature Reserves</b> Countryside Council for Wales	August 2007	Bi-Annually
<b>National Parks</b> The National Assembly for Wales - GI Services (Department of Planning & Countryside)	June 2006	Annually
<b>Nitrate Sensitive Areas</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2003	Not Applicable
<b>Nitrate Vulnerable Zones</b> The National Assembly for Wales - GI Services (Department of Planning & Countryside)	October 2005	Annually
<b>Ramsar Sites</b> Countryside Council for Wales	August 2007	Bi-Annually
<b>Sites of Special Scientific Interest</b> Countryside Council for Wales	August 2007	Bi-Annually
<b>Special Areas of Conservation</b> Countryside Council for Wales	August 2007	Bi-Annually
<b>Special Protection Areas</b> 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	



## Useful Contacts

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

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



## General

- Specified Buffer(s)
- Several of Type at Location
- Pylon

- Bearing Reference Point
- Map ID
- Overhead Transposition Line

## Waste

- Contaminated Land Register Entry or Notice (Location)
- Discharges Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Local Authority Pollution Prevention and Control Incident to Controlled Waters
- Prosecution Related to Authorised Processes
- Prosecution Related 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

- BOS Recorded Landfill Site (Location)
- BOS Recorded Landfill Site (Location)
- EA Historic Landfill (surface flow)
- EA Historic Landfill (surface flow)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Location)
- 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 (Yield Buffer to 10km)
- Registered Landfill Site (Yield Buffer to 20km)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

## Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Discharges Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Local Authority Pollution Prevention and Control Incident to Controlled Waters
- Prosecution Related to Authorised Processes
- Prosecution Related 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

- BOS Recorded Landfill Site (Location)
- BOS Recorded Landfill Site (Location)
- EA Historic Landfill (surface flow)
- EA Historic Landfill (surface flow)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Location)
- 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 (Yield Buffer to 10km)
- Registered Landfill Site (Yield Buffer to 20km)
- 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
- NHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

- COMAH Site
- Explosive Site
- NHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

## Geological

- BOS Recorded Mineral Site

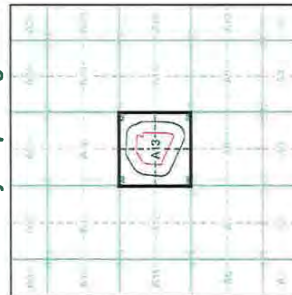
- BOS Recorded Mineral Site

## Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

- Contemporary Trade Directory Entry
- Fuel Station Entry

## Site Sensitivity 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  
Plot Buffer (m): 100

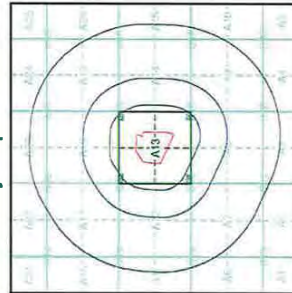
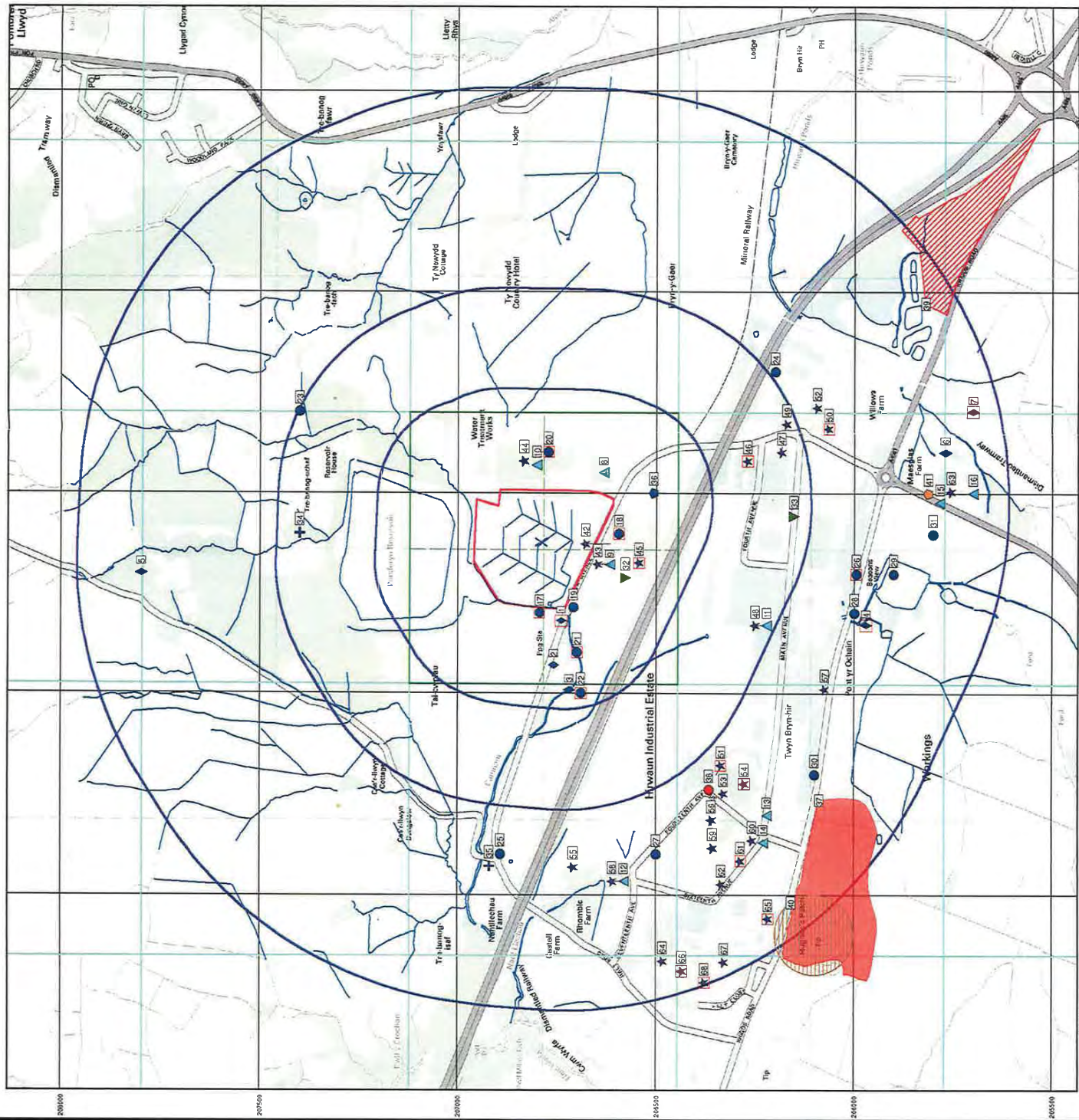
## Site Details

Site at, Hirwaun, Rhondda, Cynon, Taf



Tel: 0179 853 6870  
Fax: 0179 853 6871  
Web: www.envirocheck.co.uk





### Site Sensitivity Map - Slice A

### Order Details

Order Number: 23315733\_1\_1

Customer Ref: 0067887.03.01  
National Grid Reference: 293880, 206790

**Slice:**

Site Area (Ha):

Search Buffer (m):

## Site Details

Site at, Hirwaun, Rhondda, Cynon, Taff



**Tel:** 0870 850 6670  
**Fax:** 0870 850 6671  
**Web:** [www.envirocheck.co.uk](http://www.envirocheck.co.uk)





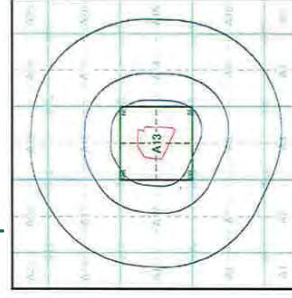
# General

- Specified Site
- Beating 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  
Site: A  
Site Area (Ha): 7.96  
Search Buffer (m): 1000

## Site Details

Site at, Hirwaun, Rhondda, Cynon, Taf



Tel: 0870 850 6570  
Fax: 0870 850 6571  
Web: www.envirocheck.co.uk





#### General

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

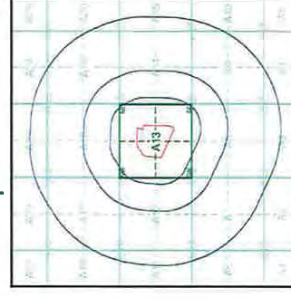
#### Agency and Hydrological (Boreholes)

- 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](http://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 6570  
Fax: 0870 850 6571  
Web: [www.envirocheck.co.uk](http://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
Oslers	Reeds	Marsh
Mixed Wood	Deciduous	Brushwood
Fir	Furze	Rough Pasture
Arrow denotes flow of water	Trigonometrical Station	Bench Mark
Site of Antiquities	Pump, Guide Post, Signal Post	Well, Spring, Boundary Post
Surface Level	Instrumental Contour	Minor Roads
Sketched Contour	Fenced	Un-Fenced
Main Roads	Sunken Road	Raised Road
Road over Railway	Road over River	Level Crossing
Road over Road	Road over Canal	Road over Stream
Road over Stream	County Boundary (Geographical)	County & Civil Parish Boundary
County Boundary (Geographical)	County & Civil Parish Boundary	Administrative County & Civil Parish Boundary
County Borough Boundary (England)	County Borough Boundary (Scotland)	Rural District Boundary
Civil Parish Boundary		

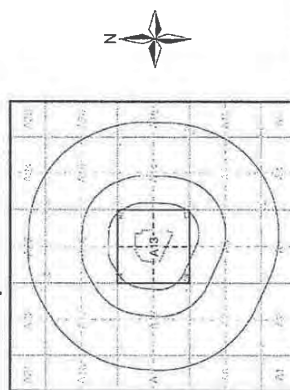
## Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry	Gravel Pit	Disused Pit or Quarry	Lake, Loch or Pond	Boulders	Non-Confiferous Trees
Sand Pit	Refuse or Slag Heap	Dunes	Confiferous Trees	Orchard	Bracken
Marsh	Reeds	Saltings	Direction of Flow of Water	Building	Glasshouse
Sloping Masonry	Pylon	Electricity Transmission Line	Pole	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, Borough or District Council	Borough, Burgh or County Constituency
Civil Parish	Shown alternately when coincidence of boundaries occurs	BP, BS	Ch	CH	F E Sta
Boundary Post or Stone	Church	Cold House	Fire Engine Station	Foot Bridge	Fountain
Guide Post	Guide Post	Telephone Call Box	Telephone Call Post	Well	

## 1:10,000 Raster Mapping

Gravel Pit	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-confiferous trees	Confiferous trees	Positioned tree	Coppice or Oslers	Heath	Marsh, Salt Marsh or Reeds	Flow arrows	Mean low water (springs)	Electricity transmission line (with poles)	Triangulation station	Pylon, flare stack or lighting tower	Glasshouse	Important Building
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-confiferous trees (scattered)	Confiferous trees (scattered)	Orchard	Rough Grassland	Scrub	Water feature	Mean high water (springs)	Telephone line (where shown)	Bench mark (where shown)	Point feature (e.g. Guide Post or Mile Stone)	Site of (antiquity)	General Building		

## Historical Map - Slice A



## Order Details

Order Number: 23315733\_1\_1  
Customer Ref: 0067887.03.01  
National Grid Reference: 253880, 206790  
Slice: A  
Site Area (Ha): 7.96  
Search Buffer (m): 1000

## Site Details

Site at, Hirwaun, Rhondda Cynon, Taff



Tel: 0870 850 6570  
Fax: 0870 850 6571  
Web: www.environment.co.uk





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:



BRITISH GEOLOGICAL SURVEY  
NATURAL ENVIRONMENT RESEARCH COUNCIL



CYNGOR CERN GWALD CYMRU  
COUNTRYSIDE COUNCIL FOR WALES

Envirocheck reports are compiled from 136 different sources of data.

#### Client Details

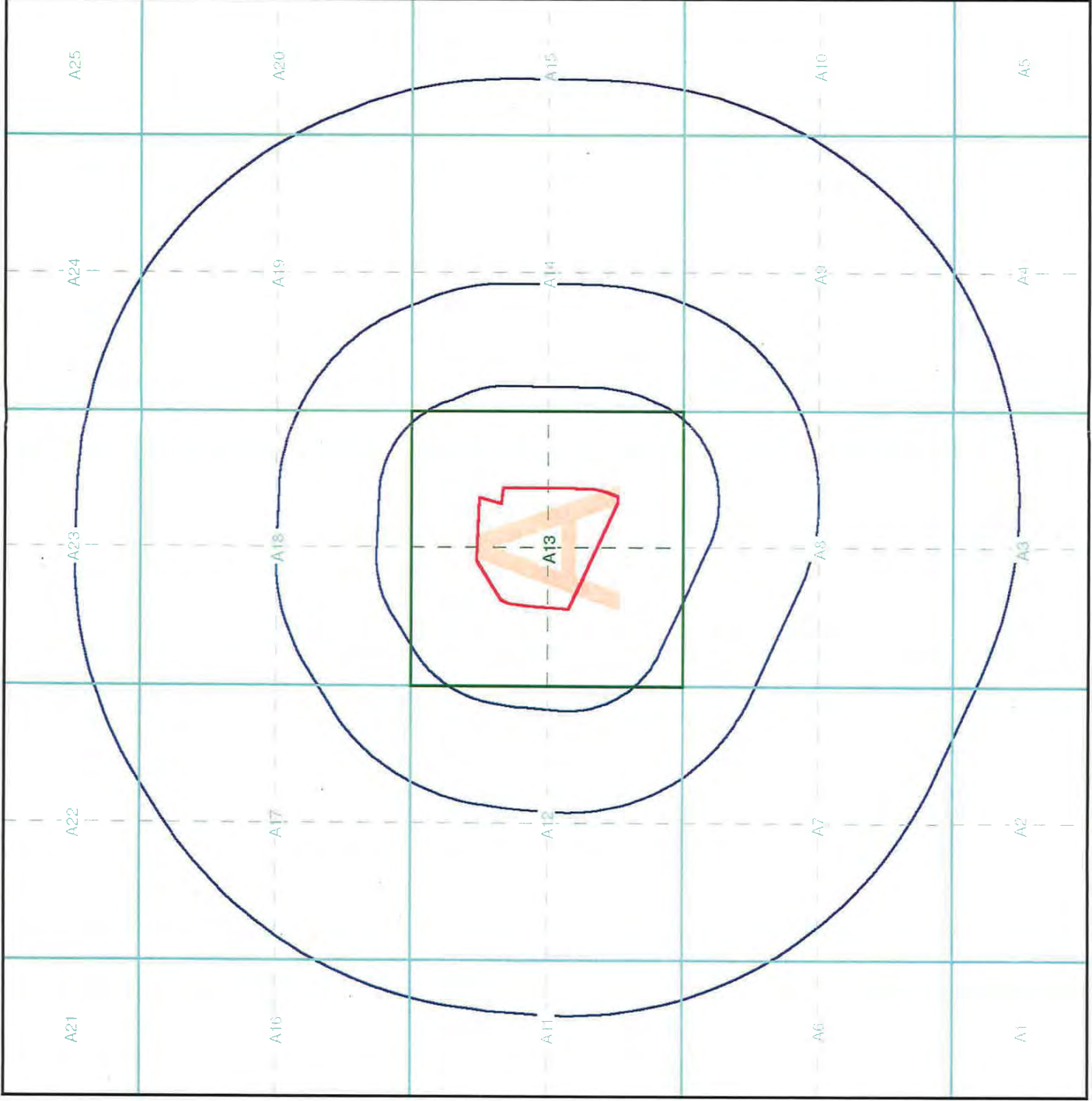
Ms F Coffman, ERM, Eaton House, Wallbrook Court, North  
Hinkley Lane, Oxford, OX2 0QS

#### 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, Taif



Tel: 0870 850 6570  
Fax: 0870 850 6671  
Web: www.envirocheck.co.uk



## LANDMARK TERMS AND CONDITIONS

### 3. Intellectual Property

- [illegible]

will not prejudice Landmark's or its Authorised Reseller's ability to require payment in respect of the Services

- to be delivered to You.
- viii. Landmark may suspend or terminate Your rights under the Agreement if You fail to make any payment due in accordance with clause 4;
- ix. You repeatedly breach or commit or cause to be committed any breach of clauses 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832

solo to Envirosearch Residential Reports (regardless of the result of such Report). Nothing in this clause 7 shall

- Landmark to override or vary the provisions of clause 6. Landmarks are prepared to offer, at their sole discretion, and without any admission or inference of liability a contribution toward the costs of any remediation work that is required to be carried out by the Seller on the terms of this clause 7 (the Remediation Notice) on the terms of the Consent in the event that a Remediation Notice is served on the First Purchaser or First Purchaser's Lender of a Property under Part I(A) of the Environmental Protection Act 1990 (the EPA) and the Seller has not paid the cost of such work as the First Purchaser or First Purchaser's Lender (but not both) are required to carry out under the Notice submitted to the provisions of this clause 7 and the Seller is not following such notice 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 is a single residential unit 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 redevelopment whether for residential or other purposes;
- iii. the Contribution is solely 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:
- a. any contamination of, or pollution incident arising from, any watercourse, river, stream, lake, reservoir, or other body of water;
- b. any contamination of, or pollution incident arising from, any watercourse, river, stream, lake, reservoir, or other body of water, directly or indirectly caused by or contributed to or arising from leaching, radiations or contamination by radioactivity from any nuclear fuel or from any nuclear waste from the production of nuclear fuel or from the properties of any explosive nuclear assembly or nuclear component thereof;
- c. asbestos arising out of or related in any way to the presence or absence of asbestos-containing materials on or in the Property Site;
- d. any contamination of, or pollution incident arising from, any naturally occurring materials except in circumstances where the Seller is not in compliance with the relevant regulatory requirements in force at the time of the contamination;
- e. any contamination of, or pollution incident arising from, any materials not present in concentrations which are in compliance with the relevant regulatory requirements in force at the time of the contamination;
- f. any contamination of, or pollution incident arising from, any intentional or knowingly willful or deliberate non-compliance by any owner or occupier of the Property Site with any statutory regulation, administrative order, or any other law, regulation, or notice issued by any Regulatory Authority;
- g. 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 Property Site;
- h. any condition which is caused by acts of War or an Act of Terrorism;
- i. any property belonging to or in the custody or control of the Seller or the First Purchaser or the First Purchaser's Lender prior to the purchase of the Property Site or the structure;
- j. any fire, explosion, riot, strike, or other civil disturbance;
- k. any lines liquidated damages punitive or exemplary damages;
- l. any bodily injury including without limitation, death, disease or disease, mental injury, anguish or nervous shock;
- m. any financial loss in respect of any loss of any rental, profit, revenue, savings or business or any consequential financial or economic loss damage or loss of business or loss of business opportunity or premises or business interruption;
- n. any losses incurred following a material change in use of, alteration or development of the Property Site;
- o. the maximum sum that shall be contributed by Landmark to the Seller or the First Purchaser or the First Purchaser's Lender 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 payable under any subsequent Report purchased by or on behalf of such First Purchaser, First Purchaser's Lender or any person connected to them.
- Landmark shall only pay a Contribution where the Notice is submitted to Landmark within the time limit set out in the Consent. 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.
- Landmark or 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 be deemed to have accepted the Contribution 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 the remediation works to be carried out under the Notice, and shall be deemed to have accepted the Contribution and shall be required to pay any Contribution. Notwithstanding the payment of the Contribution by Landmark the First Purchaser or First Purchaser's Lender are applicants shall remain jointly and severally liable for the Contribution with the Seller and the Seller's Lender required under the
- Landmark receives any communication from a statutory authority to the effect that there is an intent to serve a notice received under Part I(A) of the Environmental Protection Act 1990 they will advise Landmark within a reasonable time.
- This clause 7c and the services of any communication. This clause 7c and the services of any notice under it shall not effect the provisions of clauses 7 e and g, and any such communications, even if advised to Landmark will not operate as notice under clause 7d.
- i. Contribution being made in accordance with clause 7 d) above, to withdraw the offer of payment of Contributions without further notice.
8. Events Beyond Our Control
- a. Landmark shall not be liable for any delay, interruption or failure in the provision of the Services which are caused or frustrated by any circumstances which are outside our reasonable control including but not limited to, lack of power, telecommunications failure or any other cause beyond our reasonable control, or any data, or delays in receiving, loading or checking data, corruption of data whilst in the courses of conversion, processing, or computer in the course of electronic communication, or printing.
9. Force Majeure
- a. If any provision of these Terms are found to be invalid, either in whole or in part, or if any provision of these Terms are found to be unenforceable, that provision shall be deemed to be deleted from these Terms and never to have formed part of the agreement. 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 to submit to the jurisdiction of the English courts. 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 mediation. If mediation fails, the dispute shall be referred to arbitration in London, England, in accordance with the rules of arbitration of the London Court of International Arbitration (LCIA). The arbitration shall be conducted in English and the award shall be final and binding on the parties. The arbitration shall be conducted in accordance with the rules of arbitration of the London Court of International Arbitration (LCIA). The arbitration shall be conducted in English and the award shall be final and binding on the parties. The arbitration shall be conducted in accordance with the rules of arbitration of the London Court of International Arbitration (LCIA). The arbitration shall be conducted in English and the award shall be final and binding on the parties.
11. Landmark's Obligations
- a. Landmark shall 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 the services and/or goods that are the subject of the contract to perform Landmark's obligations and services 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 or remedy shall constitute an agreement 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. The provisions stated in these Terms, all notices from You to Landmark must be in writing and sent to the Landmark registered office (in the case of an Authorised Reseller, to its registered office address) and subject to paragraph 4 below all notices from Landmark to You will be sent to the address of the Reseller.
- 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. If the complaint is not resolved to the satisfaction of the Reseller, the Reseller will be required to pay to Landmark the costs of any legal proceedings in connection with the complaint.
- f. A person who is not a party to any contract made pursuant to these Terms shall have no right under the Contract (Right of Third Parties) Act 1999 to enforce any terms of the contract.
- g. Landmark's Privacy Policy as displayed on the Website governs the use made of any information You supply to Landmark.





## Glamorganshire

Published 1883 - 1885

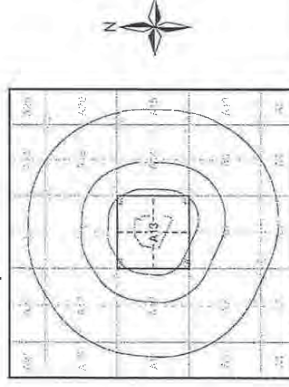
Source map scale - 1:10,560

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 scale maps. The maps were produced using 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 1885
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  
Site:  
Site Area (Ha): 7.96  
Search Buffer (m): 1000

### Site Details

Site at, Hirwaun, Rhondda, Cynon, Taff



Tel: 0870 850 6670  
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Web: www.enwrtchick.co.uk





## Brecknockshire

Published 1891 - 1892

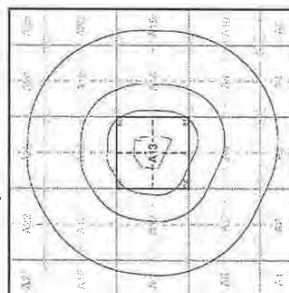
Source map scale - 1:10,560

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 1:10,560 scale was adopted for the Ordnance Survey maps. These maps are used to update the 1:10,560 scale maps. The maps are held at the Ordnance Survey, Southampton. Before 1898, 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 adjoining areas. In the late 1840's, a Provisional Edition was introduced, 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  
Site: A  
Site Area (Ha): 7.96  
Search Buffer (m): 1000

### Site Details

Site at, Hirwaun, Rhondda, Cynon, Taff



Tel: 0870 850 6070  
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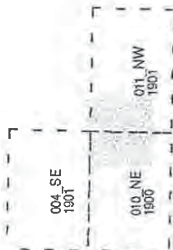
## Glamorganshire

Published 1900 - 1901

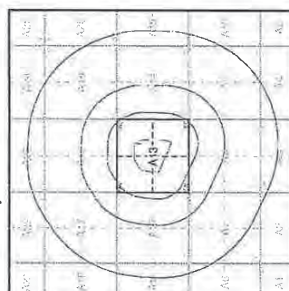
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1940's. In 1954 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published maps given above therefore is often some 10 years old. The maps were based on the Cassini Projection, with the exception of a single map which was based on the County's, giving rise to significant inaccuracies in culled 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  
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### Site Details

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Tel: 0870 850 6570  
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## Brecknockshire

Published 1905 - 1906

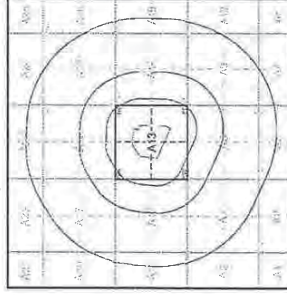
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1940's. In 1954 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published data given therefore is often some years later than the surveyed date. Before 1906, all OS maps were based on the Cassini Survey of 1790. The 1906 map was based on the 1880 Cassini Survey, giving rise to significant inaccuracies in the coastal areas. The 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)

044 SE 1906	045 SW 1906
046 NE 1905	050 NW 1905

### 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 6570  
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Web: www.envirocheck.co.uk





## Brecknockshire

Published 1921 - 1922

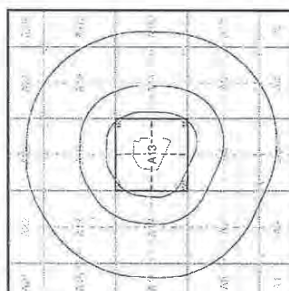
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the Ordnance Survey, which were published in the 1860s. In 1863, the first 1:10,560 map of Brecknockshire was published. The published date of the map is often some years later than the surveyed date. Before 1893, 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 1940s, 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)

044.00 1921	045.00 1922
049.00 1921	050.00 1921

### Historical Map - Slice A



### Order Details

Order Number: 23315733.1.1  
Customer Ref: 0067887.03.01  
National Grid Reference: 253880, 206790  
Slice: A  
Site Area (Ha): 7.96  
Search Buffer (m): 1000

### Site Details

Site at, Hirwaun, Rhondda Cynon, Taff



Tel: 0870 850 6370  
Fax: 0870 850 6371  
Web: www.environmental.co.uk





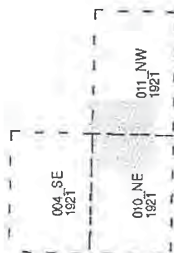
## Glamorganshire

### Published 1921

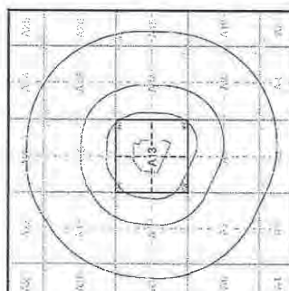
#### Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:10,560 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 scale maps. The maps were produced using the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in adjoining 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  
Site: A  
Site Area (Ha): 7.96  
Search Buffer (m): 1000

#### Site Details

Site at, Hirwaun, Rhondda, Cynon, Taff



Tel: 0870 650 6870  
Fax: 0870 650 6871  
Web: www.envisiweb.co.uk





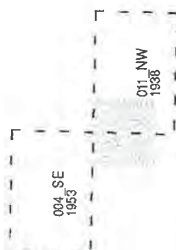
## Glamorganshire

Published 1938 - 1953

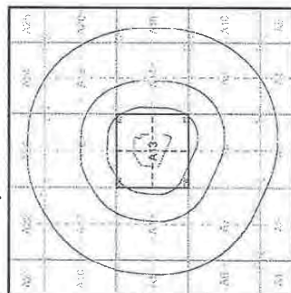
Source map scale - 1:10,560

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 1:25,000 scale was adopted for mapping urban areas; these maps were used to produce the 1:10,560 scale maps. The maps were therefore based on the Cassini Projection, with independent surveys of a single county or 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: 0067867 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.enrcheck.co.uk





## Brecknockshire

Published 1951 - 1953

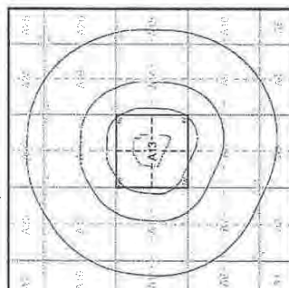
Source map scale - 1:10,560

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 1:25,000 scale was adopted for mapping urban areas, these maps were used to update the 1:10,560 scale maps. Before 1938 all OS maps were 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  
Search Buffer (m): 1000

### Site Details

Site at, Hirwaun, Rhondda, Cynon, Taff



Tel: 0870 650 6570  
Fax: 0870 650 6571  
Web: www.erdwick.co.uk





## Ordnance Survey Plan Published 1964

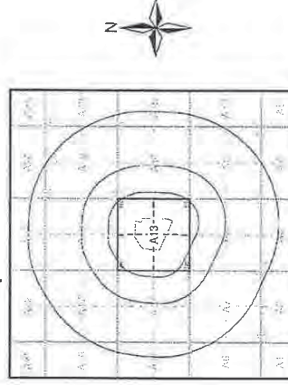
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1940's. In 1954 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 in advance of the survey date. Before 1954, all OS maps were based on the Cassini Projection. In 1948, the Ordnance Survey introduced the Transverse Mercator Projection, giving rise to significant inaccuracies in certain areas, particularly in the 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  
Search Buffer (m): 1000

### Site Details

Site at, Hirwaun, Rhondda, Cynon, Taff



Tel: 0870 850 6570  
Fax: 0870 850 6571  
Web: www.envidirect.co.uk



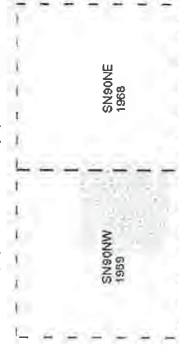


## Ordnance Survey Plan Published 1968 - 1969

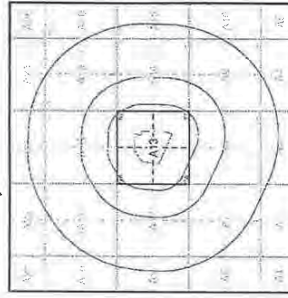
### Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1954 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 1958, 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 Horizontal Edition was produced, which updated the 1:10,560 mapping from the Cassini Edition. This was done by re-surveying military camps and other strategic sites. These maps were initially compared 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  
Search Buffer (m): 1000

### Site Details

Site at, Hirwaun, Rhondda, Cynon, Taf



Tel: 0870 850 6570  
Fax: 0870 850 6571  
Web: www.enwirocheck.co.uk





## Ordnance Survey Plan Published 1978 - 1981

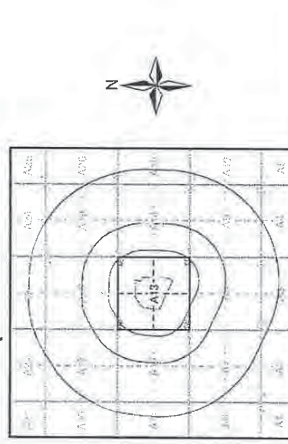
### Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from Cassini to the Transverse Mercator projection. The maps appear unaltered with all military camps and other strategic sites. The first 1:10,000 maps were produced using 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  
Site: A  
Site Area (Ha): 7.96  
Search Buffer (m): 1000

### Site Details

Site at, Hirwaun, Rhondda, Cynon, Taff



Tel: 0870 850 6970  
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Web: www.envirocheck.co.uk





## 10K Raster Mapping

Published 1999 - 2000

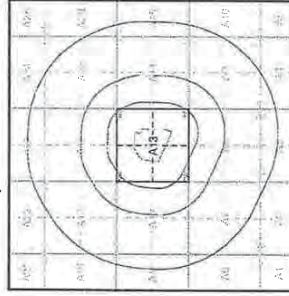
Source map scale - 1:10,000

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

### 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, 205790  
Slice: A  
Site Area (Ha): 7.96  
Search Buffer (m): 1000

### Site Details

Site at, Hirwaun, Rhondda, Cymon, Taff



Tel: 0870 850 6970  
Fax: 0870 850 6971  
Web: www.envirocheck.co.uk





## 10K Raster Mapping Published 2007

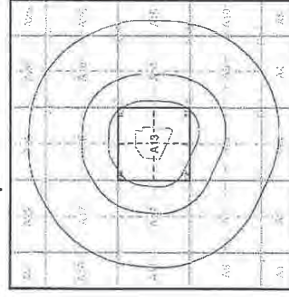
Source map scale - 1:10,000

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 railways. The maps are colour coded to show different types of land use and classification. Boundary information includes county, unitary authority, district, civil parish and constituency.

### 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  
Site:  
Site Area (Ha): 7.96  
Search Buffer (m): 1000

### Site Details

Site at, Hirwaun, Rhondda, Cynon, Taff

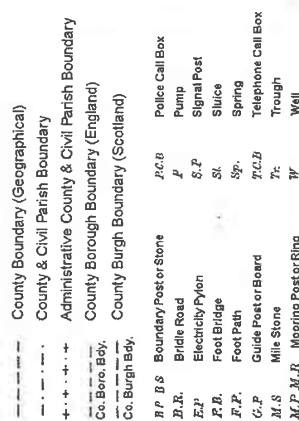
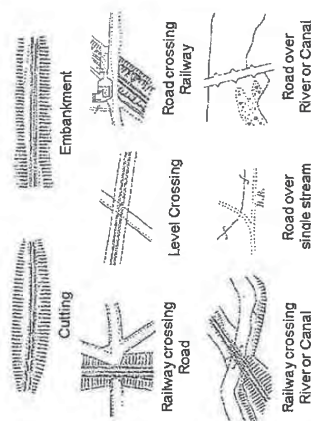
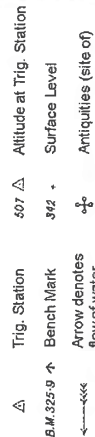
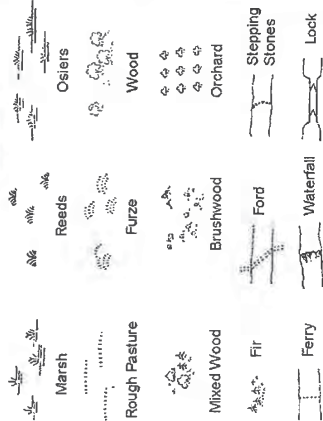


Tel: 020 850 6670  
Fax: 020 850 6871  
Web: www.enriched.co.uk

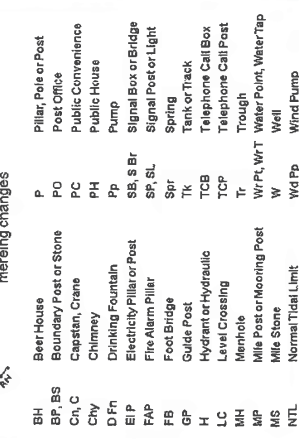
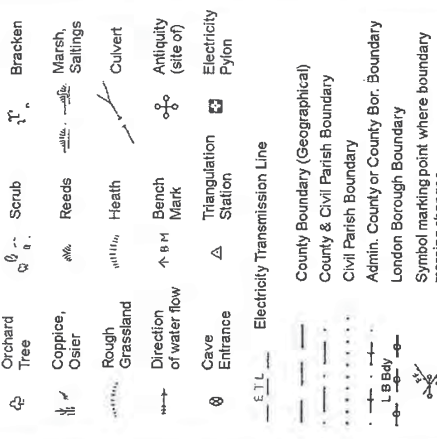
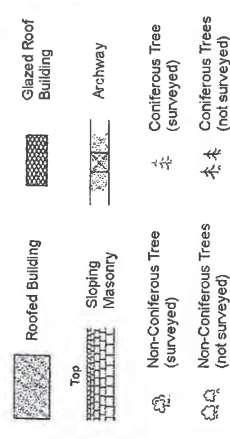
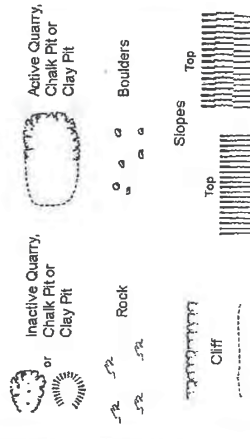


# Historical Mapping Legends

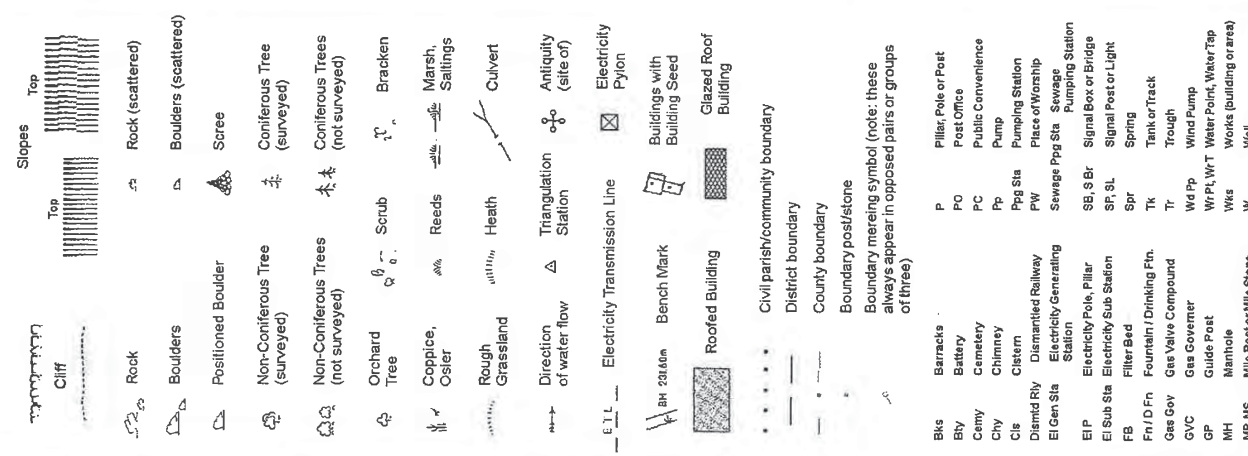
Ordnance Survey County Series and  
Ordnance Survey Plan 1:2,500



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



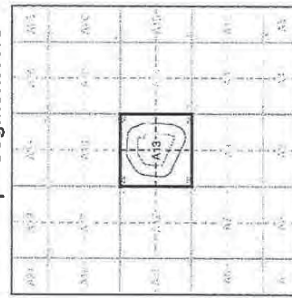
Large-Scale National Grid Data 1:2,500 and  
1:1,250



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	1889	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 - 1988	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

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



Tel: 0870 850 6870  
Fax: 0870 850 6871  
Web: www.ermcheck.co.uk



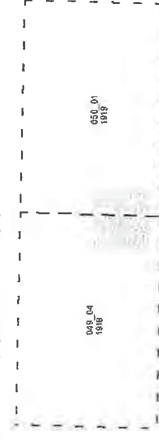
## Brecknockshire

Published 1918 - 1919

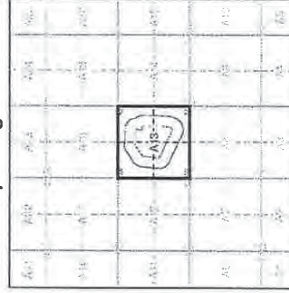
Source map scale - 1:2,500

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

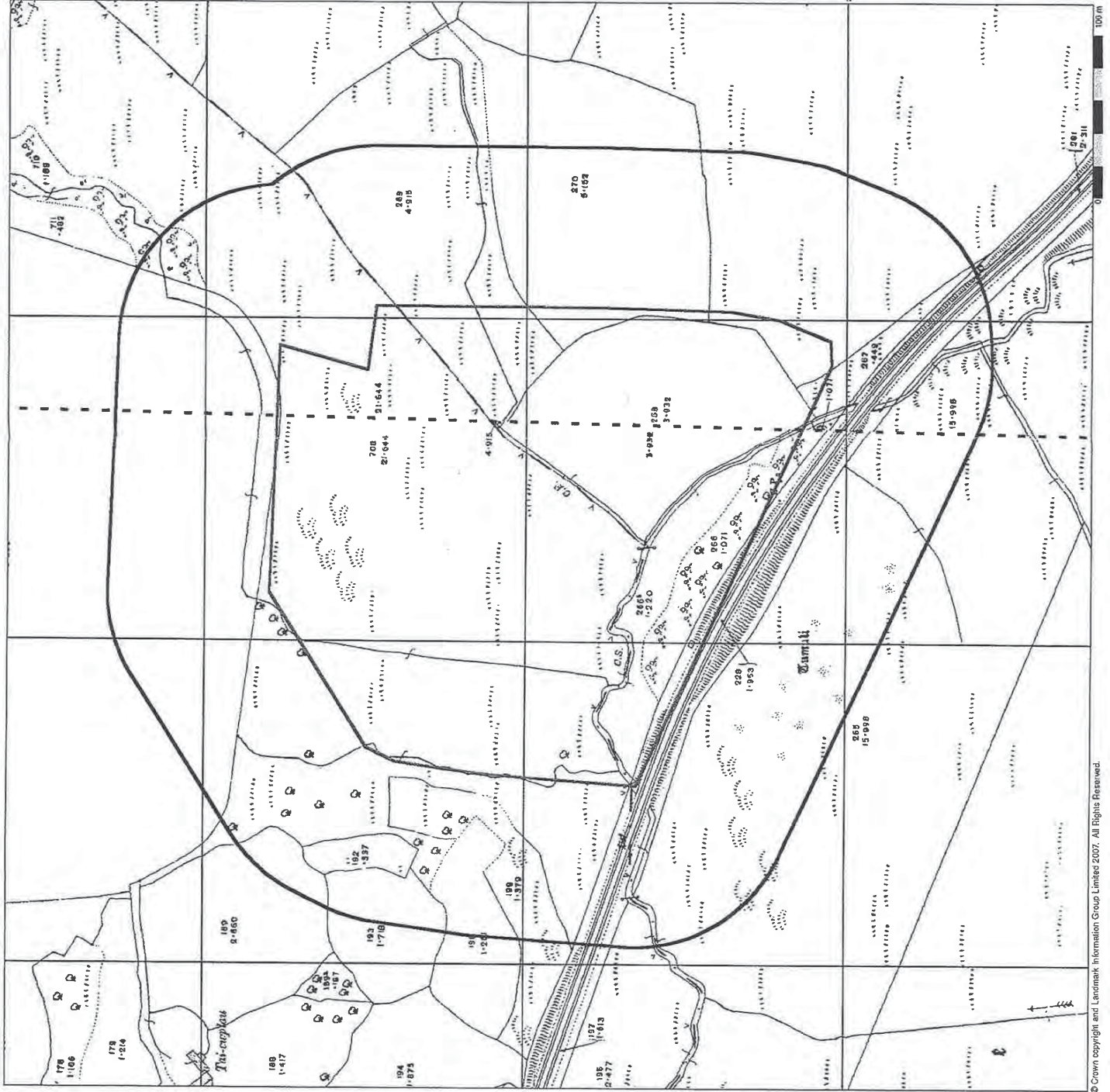
Order Number: 23315733.1.1  
Customer Ref: 0067887.03.01  
National Grid Reference: 293880, 206790  
Slice: A  
Site Area (Ha): 7.96  
Search Buffer (m): 100

### Site Details

Site at, Hirwaun, Rhondda, Cynon, Taf



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## Ordnance Survey Plan

Published 1964

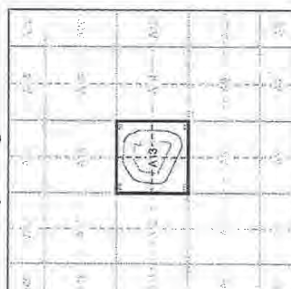
Source map scale - 1:2,500

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 1886 it covered the whole of what was then Great Britain. The maps were then revised and republished. 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)

SN0307 1964	SN0407 1964
SN0306 1964	SN0406 1964

### Historical Map - Segment A13



### Order Details

Order Number: 23315733.1.1  
Customer Ref: 0067887.03.01  
National Grid Reference: 293880, 206790  
Site: A  
Site Area (Ha): 7.96  
Search Buffer (m): 100

### Site Details

Site at, Hirwaun, Rhondda, Cynon, Taff



Tel: 0870 850 6670  
Fax: 0870 850 6671  
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## Ordnance Survey Plan

Published 1975 - 1985

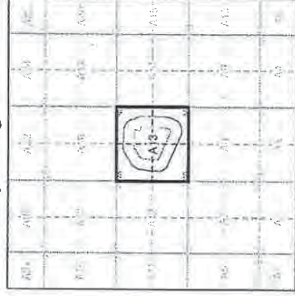
Source map scale - 1:2,500

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 was considered to be the cultivated parts of Great Britain. The maps were produced by the Ordnance Survey, which was founded in 1791. Before 1938, OS maps were based on the Cassini Projection, with independent surveys of single parishes or groups of parishes, giving rise to significant inaccuracies in culminating areas.

### Map Name(s) and Date(s)

SN64 07	1975
SN64 06	1985
SN63 06	1978

### Historical Map - Segment A13



### Order Details

Order Number: 23315733.1.1

Customer Ref: 0067887.03.01

National Grid Reference: 293880, 206790

Site: A

Site Area (Ha): 7.96

Search Buffer (m): 100

### Site Details

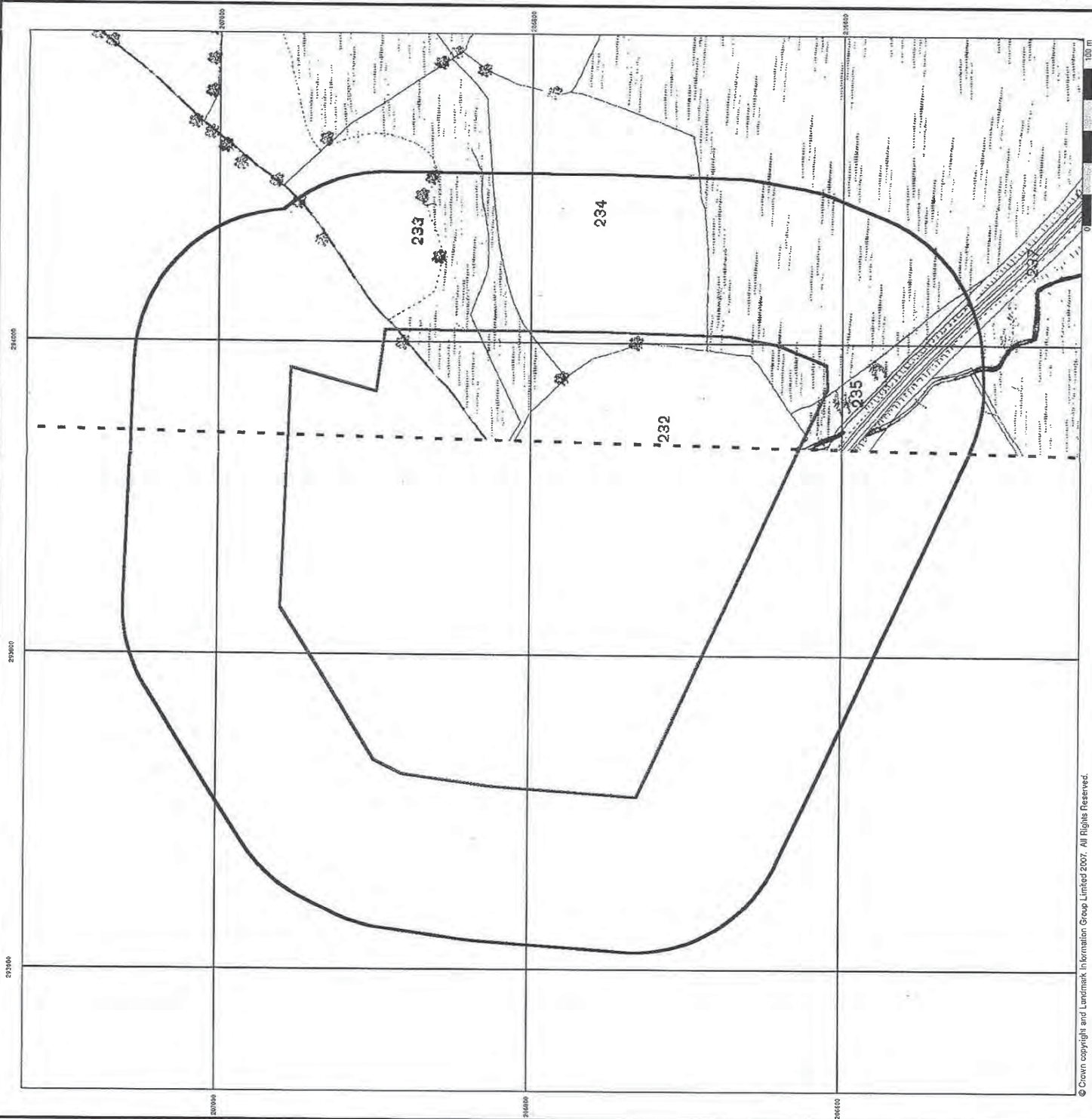
Site at, Hirwaun, Rhondda, Cynon, Taff



Tel: 0870 650 6870  
Fax: 0870 650 6871  
Web: www.landmark.co.uk





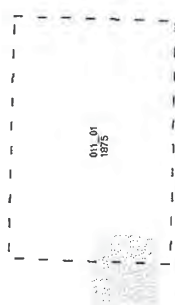


**Glamorganshire  
Published 1875**

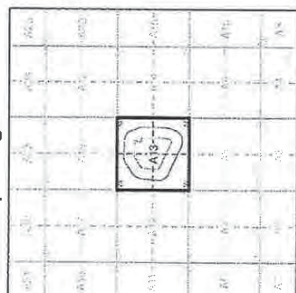
**Source map scale - 1:2,500**

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 1856 it covered the whole of what was considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1935, 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 adjoining 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  
Search Buffer (m): 100

**Site Details**

Site at, Hirwaun, Rhondda, Cynon, Taff



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Fax: 0970 850 0871  
Web: www.envisat.co.uk





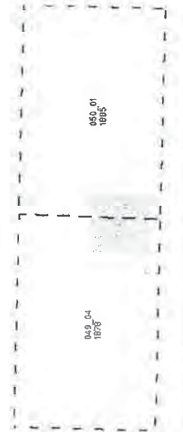
## Brecknockshire

Published 1878 - 1885

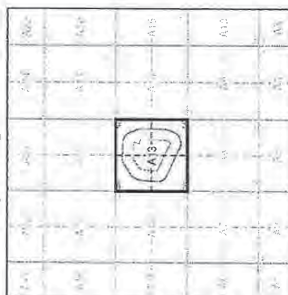
Source map scale - 1:2,500

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 1886 it covered the whole of what were considered to be the cultivated parts of Great Britain. The Brecknockshire maps given below are often some years later than the surveyed date. Because all OS maps were based on the Cassini Projection, with independent surveys of a number of groups 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  
Search Buffer (m): 100

### Site Details

Site at: Hirwaun, Rhondda, Cynon, Taf



Tel: 0870 850 6670  
Fax: 0870 850 6571  
Web: www.enrfield.co.uk



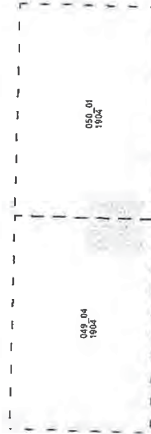


## Brecknockshire Published 1904

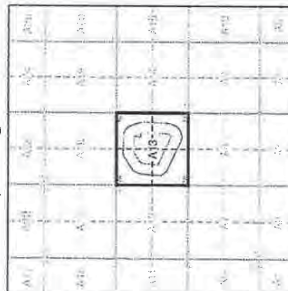
### Source map scale - 1:2,500

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 1866 it covered the whole of what was 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

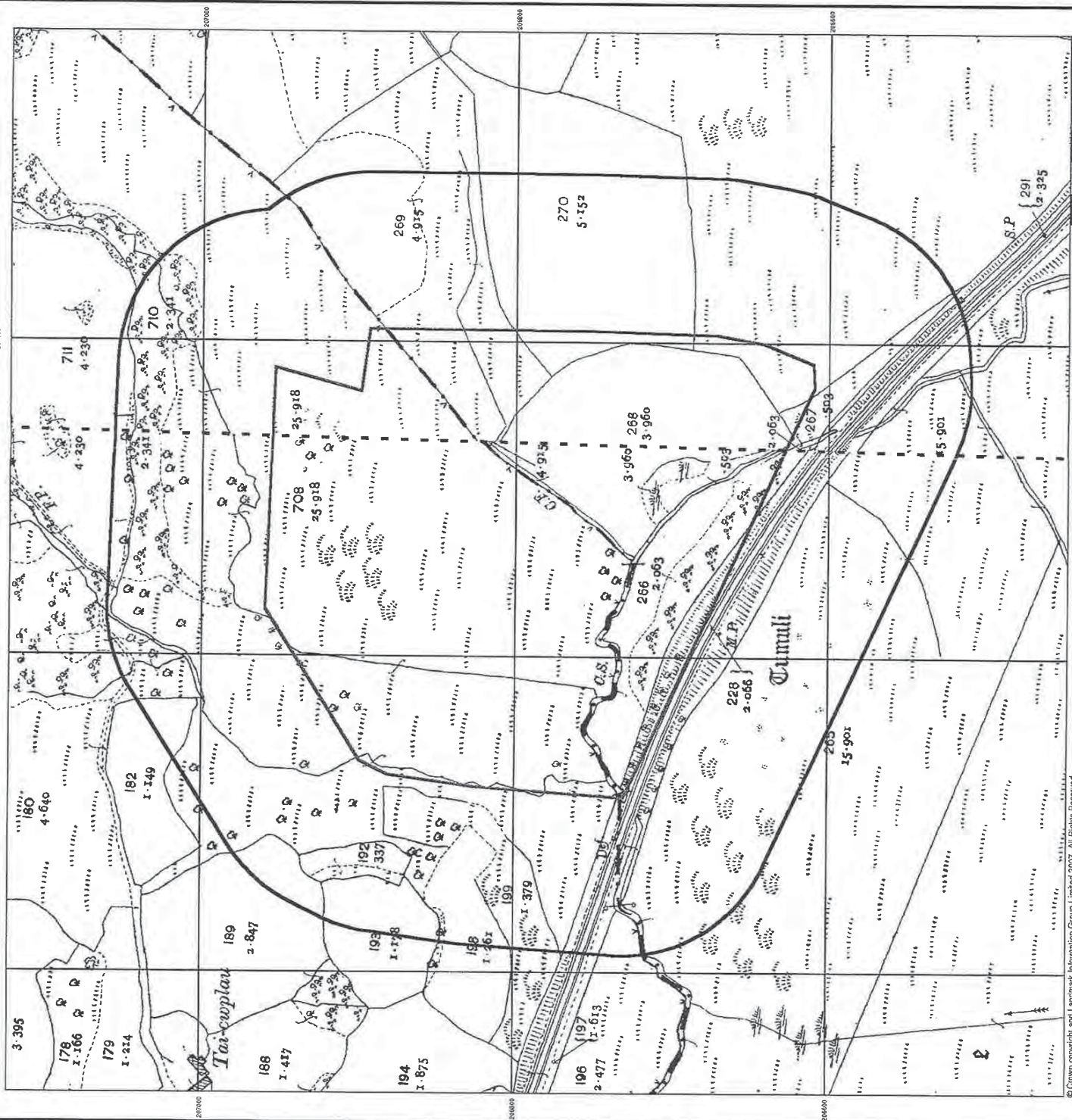
Order Number: 23315733, 1.1  
Customer Ref: 0067887.03.01  
National Grid Reference: 293880, 206790  
Slice: A  
Site Area (Ha): 7.96  
Search Buffer (m): 100

### Site Details

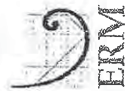
Site at: Hirwaun, Rhondda Cynon, Taf



Tel: 0870 850 0870  
Fax: 0870 850 0871  
Web: www.ernirock.co.uk







## Glamorganshire Published 1899

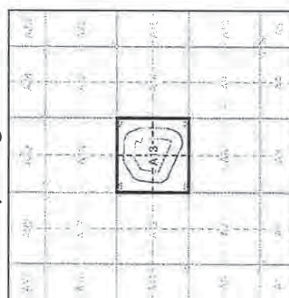
Source map scale - 1:2,500

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. Prior to 1855, all OS maps were based on the Cassini Projection, with inaccuracies in 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  
Site: A  
Site Area (Ha): 7.96  
Search Buffer (m): 100

### Site Details

Site at, Hirwaun, Rhondda, Cynon, Taff



Tel: 0870 850 6870  
Fax: 0870 850 6871  
Web: www.envirocheck.co.uk





## Additional SIMs

Published 1978 - 1985

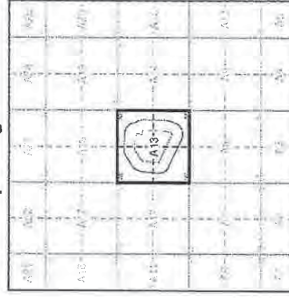
Source map scale - 1:2,500

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 1984, and contain detailed information on buildings, roads and land-uses. 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

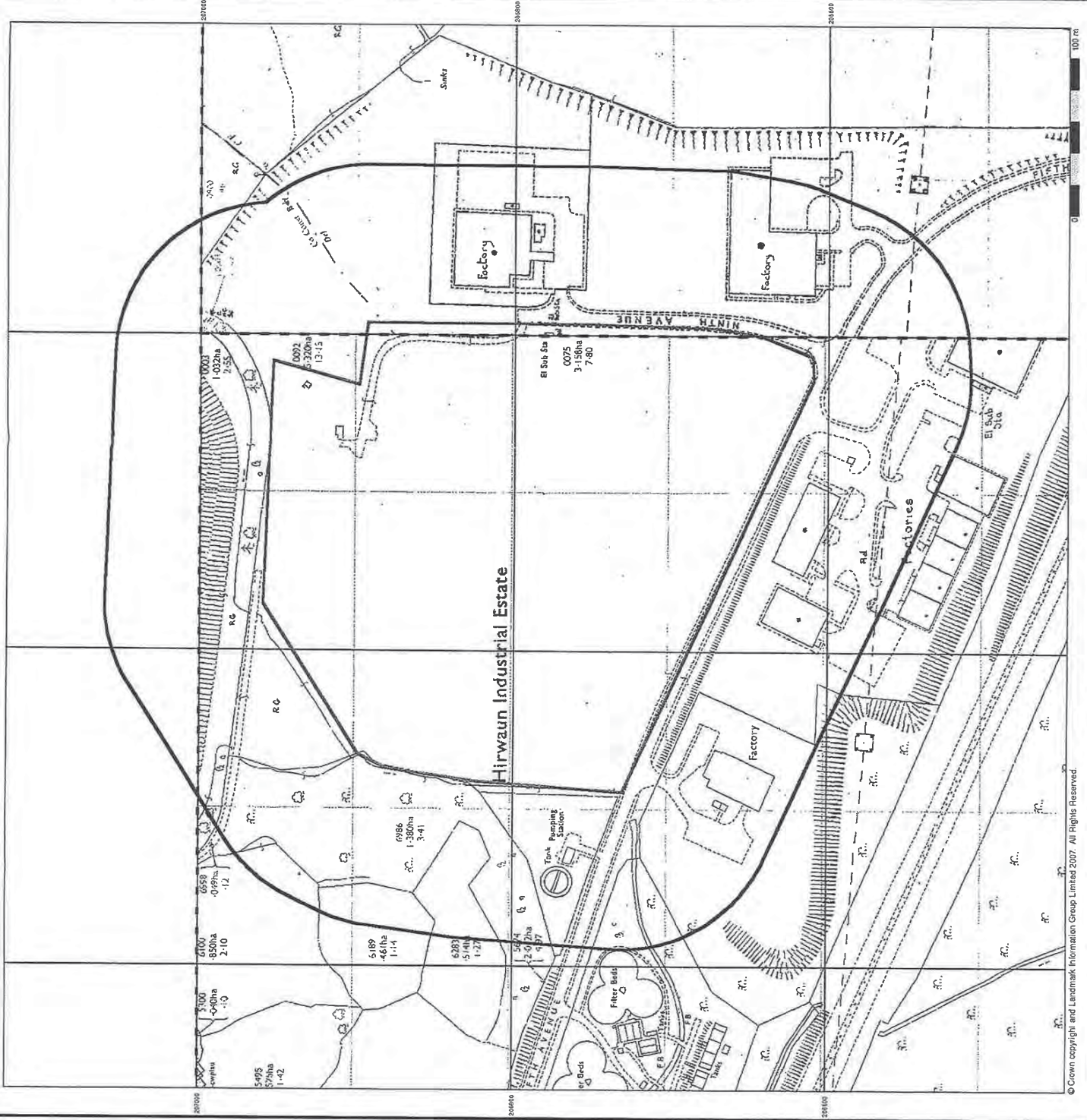
Order Number: 23315733 1.1  
Customer Ref: 0067887.03.01  
National Grid Reference: 293880, 206790  
Slice: A  
Site Area (Ha): 7.96  
Search Buffer (m): 100

### Site Details

Site at, Hirwaun, Rhondda, Cynon, Taff



Tel: 0870 850 6970  
Fax: 0870 850 6971  
Web: www.envisiocheck.co.uk







## Additional SIMs

Published 1980 - 1989

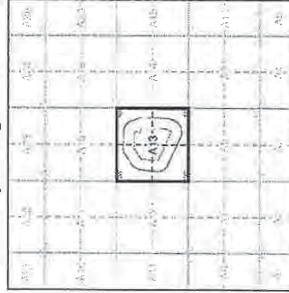
Source map scale - 1:2,500

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 1984, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

### Map Name(s) and Date(s)



### Historical Map - Segment A13



### Order Details

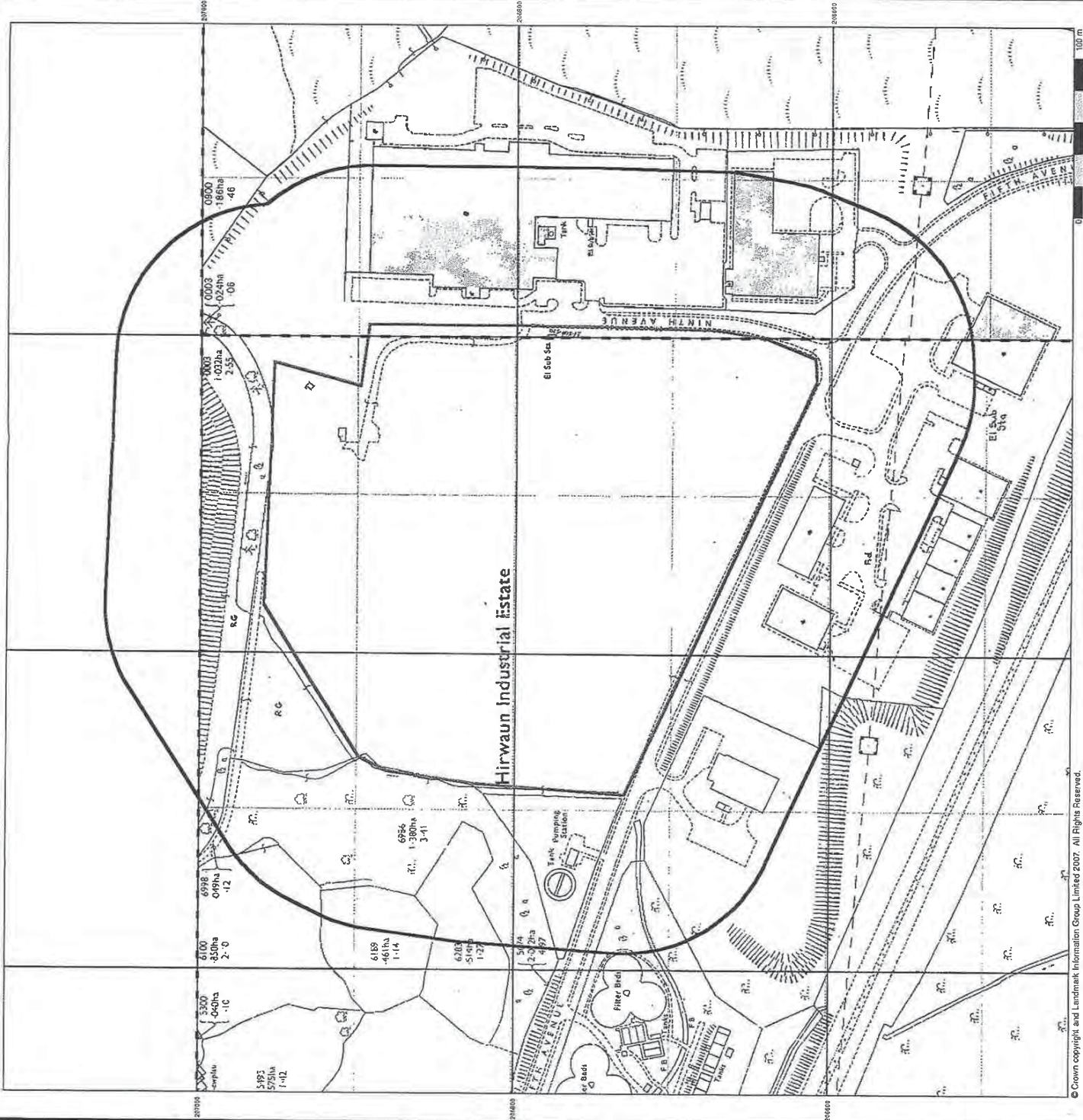
Order Number: 23315733 1.1  
Customer Ref: 0067887 03.01  
National Grid Reference: 293880, 206790  
Site: A  
Site Area (Ha): 7.96  
Search Buffer (m): 100

### Site Details

Site at, Hirwaun, Rhondda, Cynon, Taff



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







## Additional SIMs

Published 1990 - 1992

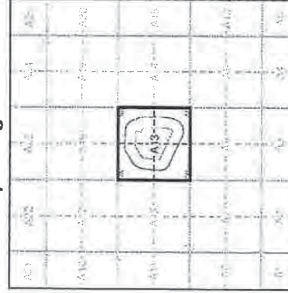
Source map scale - 1:2,500

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 of an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

### Map Name(s) and Date(s)



### Historical Map - Segment A13



### Order Details

Order Number: 23315733.1.1  
Customer Ref: 0067887.03.01  
National Grid Reference: 293880, 206790  
Site: A  
Site Area (Ha): 7.96  
Search Buffer (m): 100

### Site Details

Site at, Hirwaun, Rhondda, Cynon, Taf



Tel: 0270 850 0570  
Fax: 0270 850 0871  
Web: www.entrack.co.uk





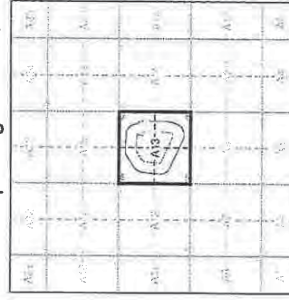
# Large-Scale National Grid Data Published 1993 Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1998. 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
SN9306	1993	SN9406	1993

## Historical Map - Segment A13



## Order Details

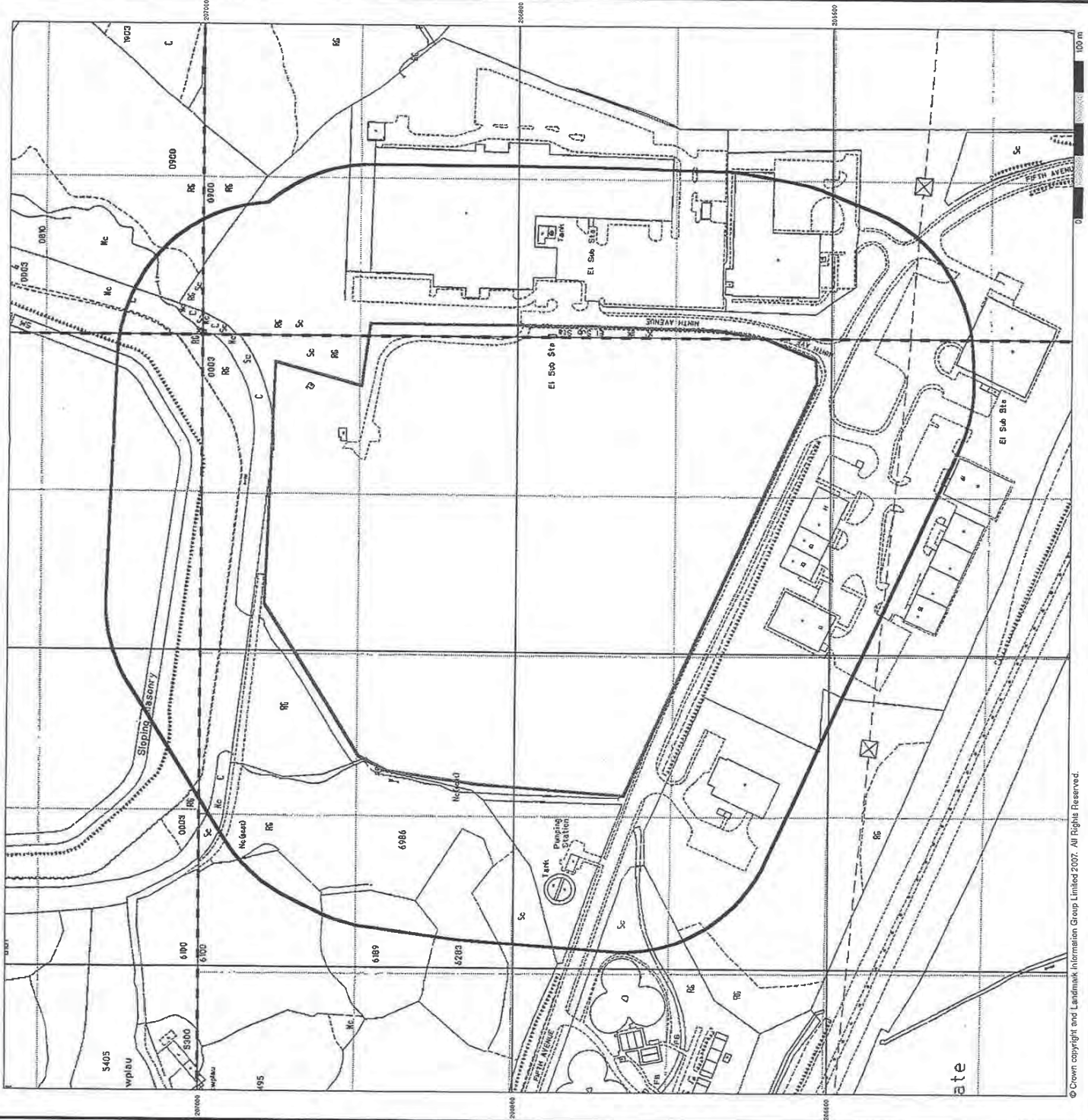
Order Number: 23315733.1.1  
Customer Ref: 0067887.03.01  
National Grid Reference: 293880, 206790  
Site:  
Site Area (Ha): 7.96  
Search Buffer (m): 100

## Site Details

Site at, Hirwaun, Rhondda, Cynon, Taff



Tel: 0870 850 6070  
Fax: 0870 850 6071  
Web: www.envidirect.co.uk







## Large-Scale National Grid Data

Published 1995

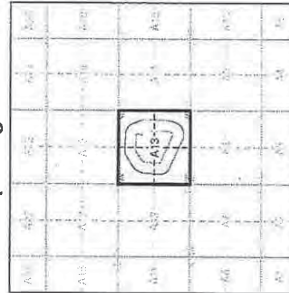
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1993. 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

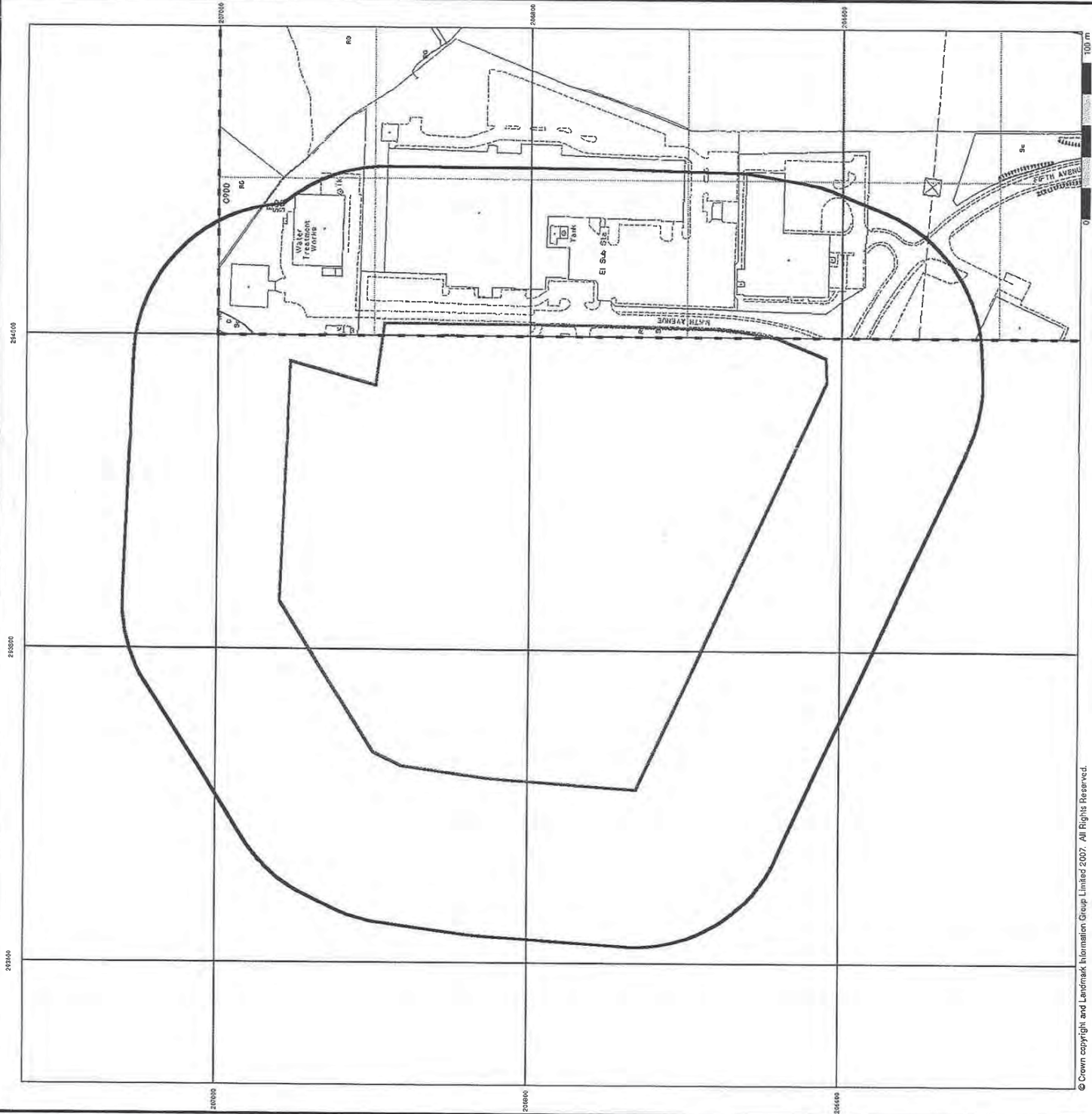
Order Number: 23315733.1.1  
Customer Ref: 0067887.03.01  
National Grid Reference: 2933880, 206790  
Site: A  
Site Area (Ha): 7.96  
Search Buffer (m): 100

### Site Details

Site at, Hirwaun, Rhondda, Cynon, Taff



Tel: 0870 850 6870  
Fax: 0870 850 6871  
Web: www.envisiack.co.uk





ERM

### Order Details

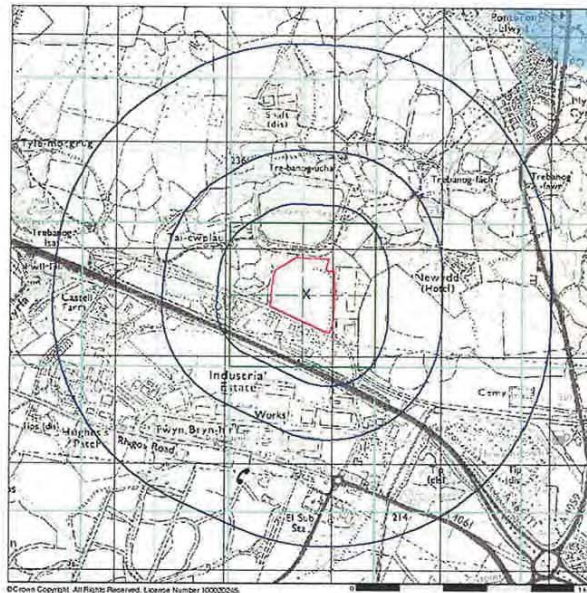
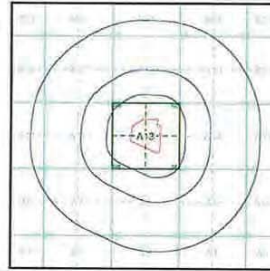
Order Number: 23315733\_1\_1  
 Customer Ref: 0067887.03.01  
 National Grid Reference: 293880, 206790  
 Slice: A  
 Site Area (Ha): 7.96  
 Search Buffer (m): 1000

### Site Details

Site at, Hirwaun, Rhondda,Cynon,Taff

## Agency and Hydrological

### Source Protection Zones - Slice A



### Background

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

### General

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

### Agency and Hydrological

Source Protection Zone I  
 Source Protection Zone II  
 Source Protection Zone III  
 Zone of Special Interest  
 Source Protection Zone Borehole

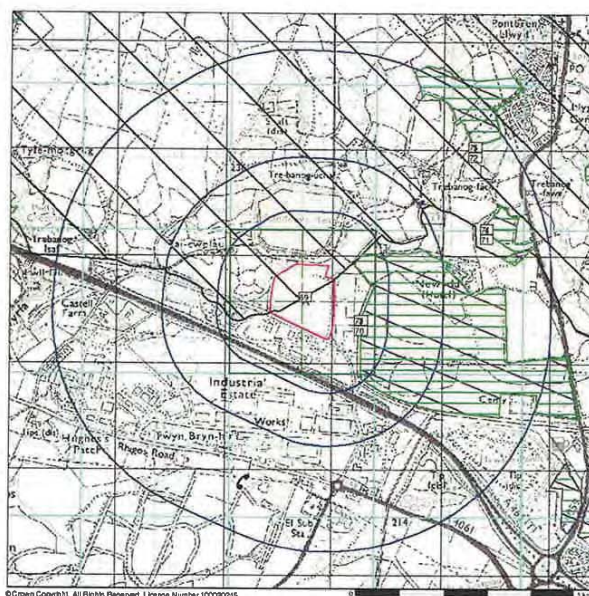
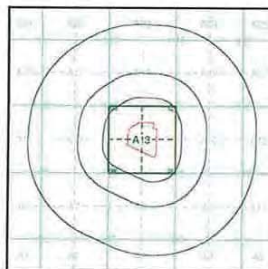























Order Number: 23315733\_1\_1  
Customer Ref: 0067887.03.01  
National Grid Reference: 293880, 206790  
Slice: A  
Site Area (Ha): 7.96  
Search Buffer (m): 1000

Site at, Hirwaun, Rhondda, Cynon, Taff

### Sensitive Land Uses - Slice A



<b>Background</b>	<b>General</b>	
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	<b>Sensitive Land Uses</b>	 Nitrate Sensitive Area
National Trail or Long Distance Route	 Area of Adopted Green Belt	 Nitrate Vulnerable Zone
Contour	 Area of Unadopted Green Belt	 Ramsar Site
Fishing	 Area of Outstanding Natural Beauty	 Site of Special Scientific Interest
Nature Reserve	 Environmentally Sensitive Area	 Special Area of Conservation
	 Forest Park	 Special Protection Area



ERM

### Order Details

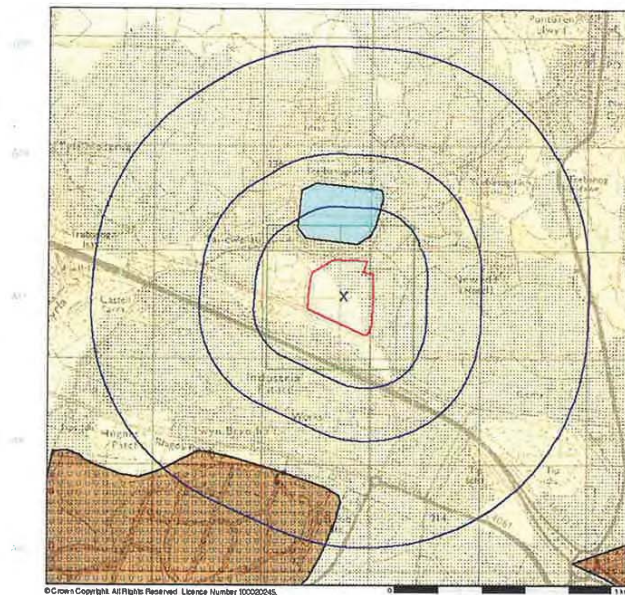
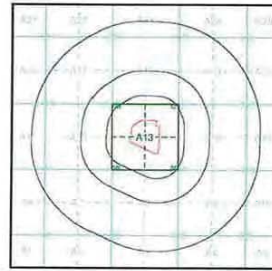
Order Number: 23315733\_1\_1  
Customer Ref: 0067887.03.01  
National Grid Reference: 293880, 206790  
Slice: A  
Site Area (Ha): 7.96  
Search Buffer (m): 1000

### Site Details

Site at, Hirwaun, Rhondda,Cynon,Taff

## Agency and Hydrological

### Groundwater Vulnerability - Slice A



Background	General	Agency & Hydrological																
<div><div></div>Footpath</div> <div><div></div>Bridleway</div> <div><div></div>Byway open to all traffic</div> <div><div></div>Road Used as a Public Path</div> <div><div></div>Other routes with Public Access</div> <div><div></div>National Trail or Long Distance Route</div> <div><div></div>Contour</div> <div><div></div>Fishing</div> <div><div></div>Nature Reserve</div>	<div><div></div>Specified Site</div> <div><div></div>Specified Buffer(s)</div> <div><div></div>Bearing Reference Point</div>	<table><thead><tr><th>Geological Classes</th><th>Soil Classes</th></tr></thead><tbody><tr><td rowspan="3">Major Aquifer (Highly Permeable)</td><td><div></div>High (H) 1, 2, 3, U</td></tr><tr><td><div></div>Intermediate (I) 1, 2</td></tr><tr><td><div></div>Low</td></tr><tr><td rowspan="3">Minor Aquifer (Variably Permeable)</td><td><div></div>High (H) 1, 2, 3, U</td></tr><tr><td><div></div>Intermediate (I) 1, 2</td></tr><tr><td><div></div>Low</td></tr><tr><td>Non Aquifer (Negligibly Permeable)</td><td><div></div></td></tr><tr><td>Water or Sea</td><td><div></div></td></tr><tr><td>Drift Deposit</td><td><div></div></td></tr></tbody></table>	Geological Classes	Soil Classes	Major Aquifer (Highly Permeable)	<div></div> High (H) 1, 2, 3, U	<div></div> Intermediate (I) 1, 2	<div></div> Low	Minor Aquifer (Variably Permeable)	<div></div> High (H) 1, 2, 3, U	<div></div> Intermediate (I) 1, 2	<div></div> Low	Non Aquifer (Negligibly Permeable)	<div></div>	Water or Sea	<div></div>	Drift Deposit	<div></div>
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Minor Aquifer (Variably Permeable)	<div></div> High (H) 1, 2, 3, U																	
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Non Aquifer (Negligibly Permeable)	<div></div>																	
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