



Hirwaun Power Project

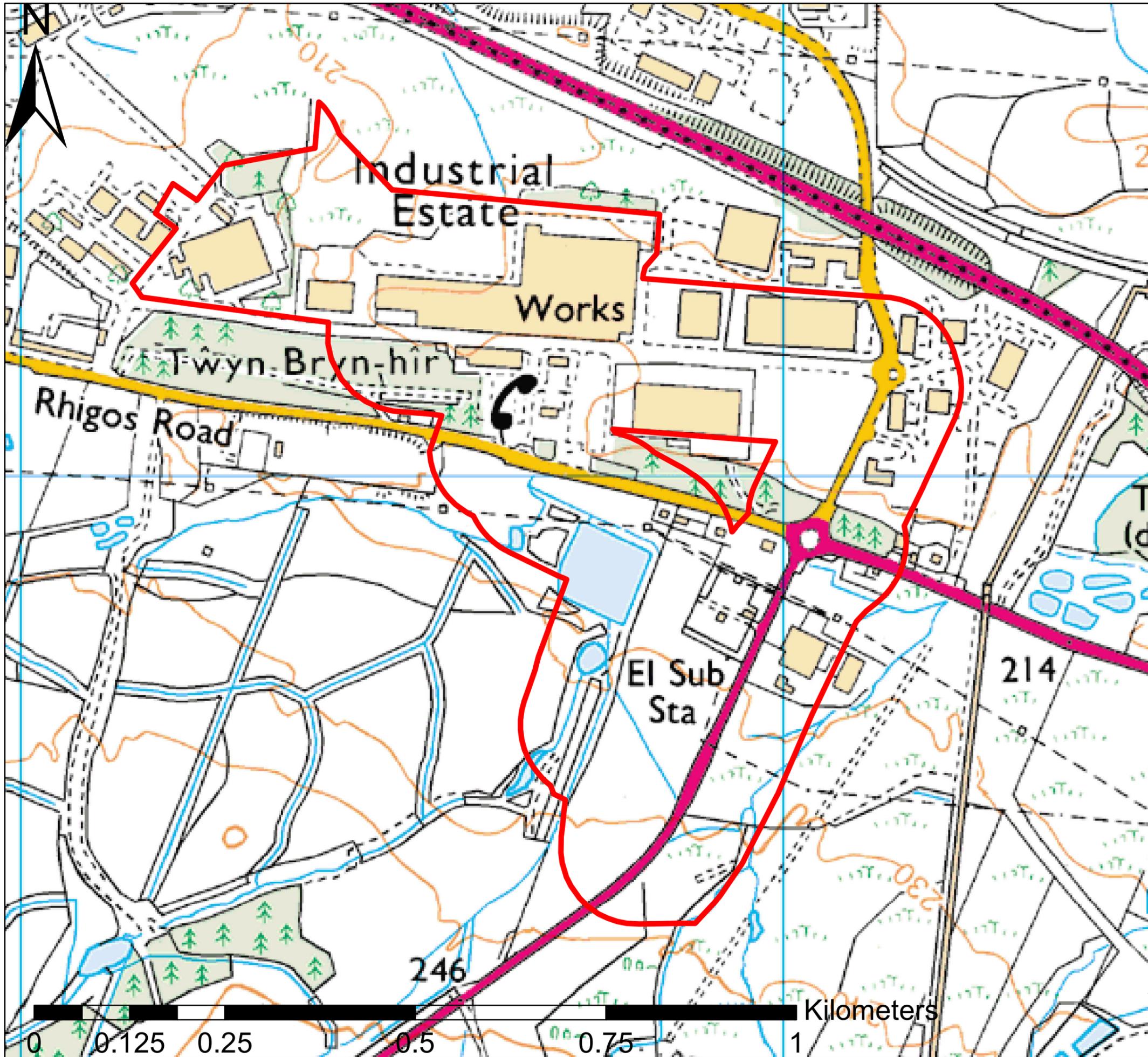
Preliminary Environmental Information Report [PEIR]

Volume 3 - Figures

*Hirwaun Power Limited*

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### Legend

Project Site

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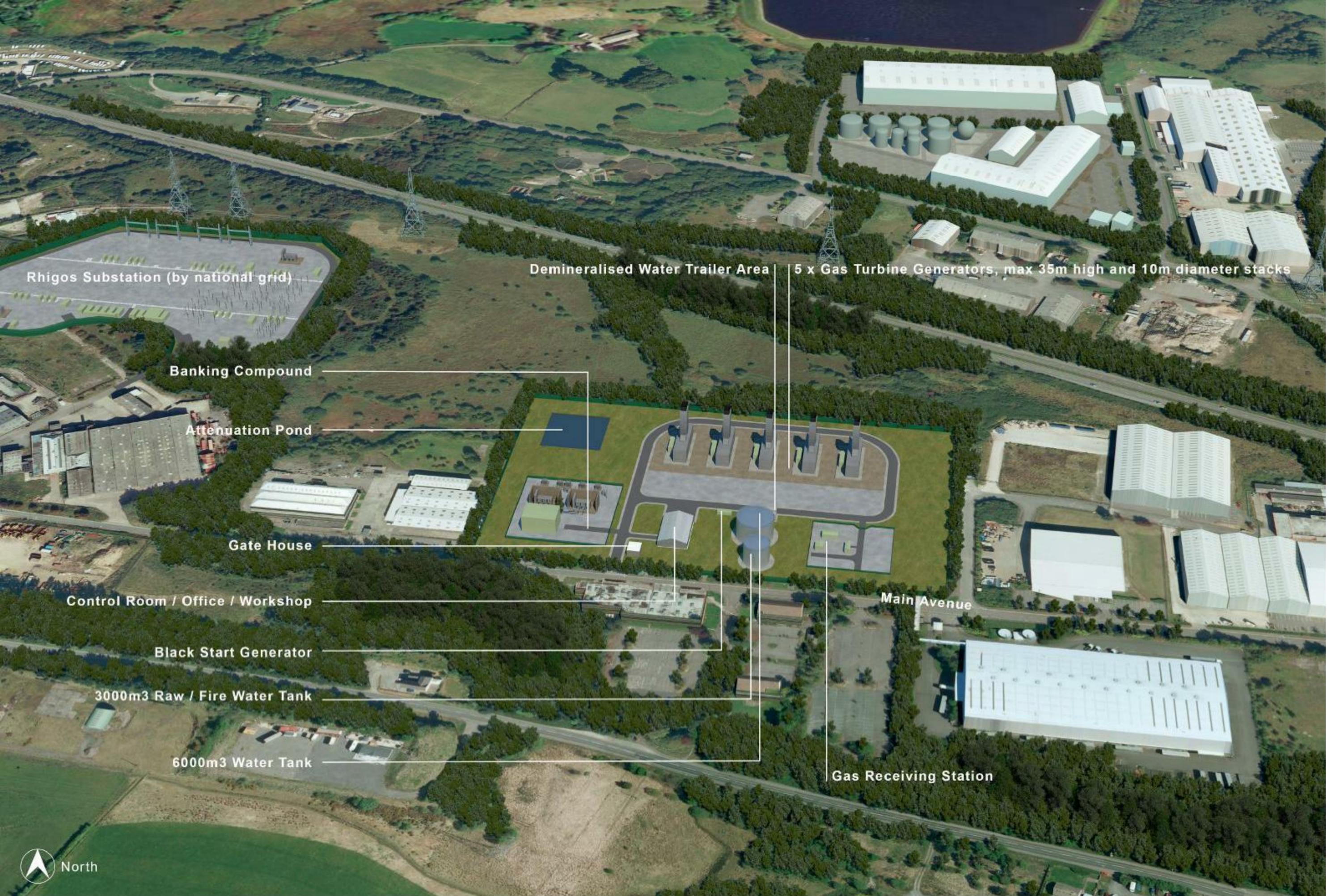


### Project Site

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DRAWN BY: <b>AG</b>	CHECKED BY: <b>CL</b>	APPROVED BY: <b>CL</b>

**PARSONS  
BRINCKERHOFF**

Figure 1.1



Rhigos Substation (by national grid)

Demineralised Water Trailer Area

5 x Gas Turbine Generators, max 35m high and 10m diameter stacks

Banking Compound

Attenuation Pond

Gate House

Control Room / Office / Workshop

Black Start Generator

3000m3 Raw / Fire Water Tank

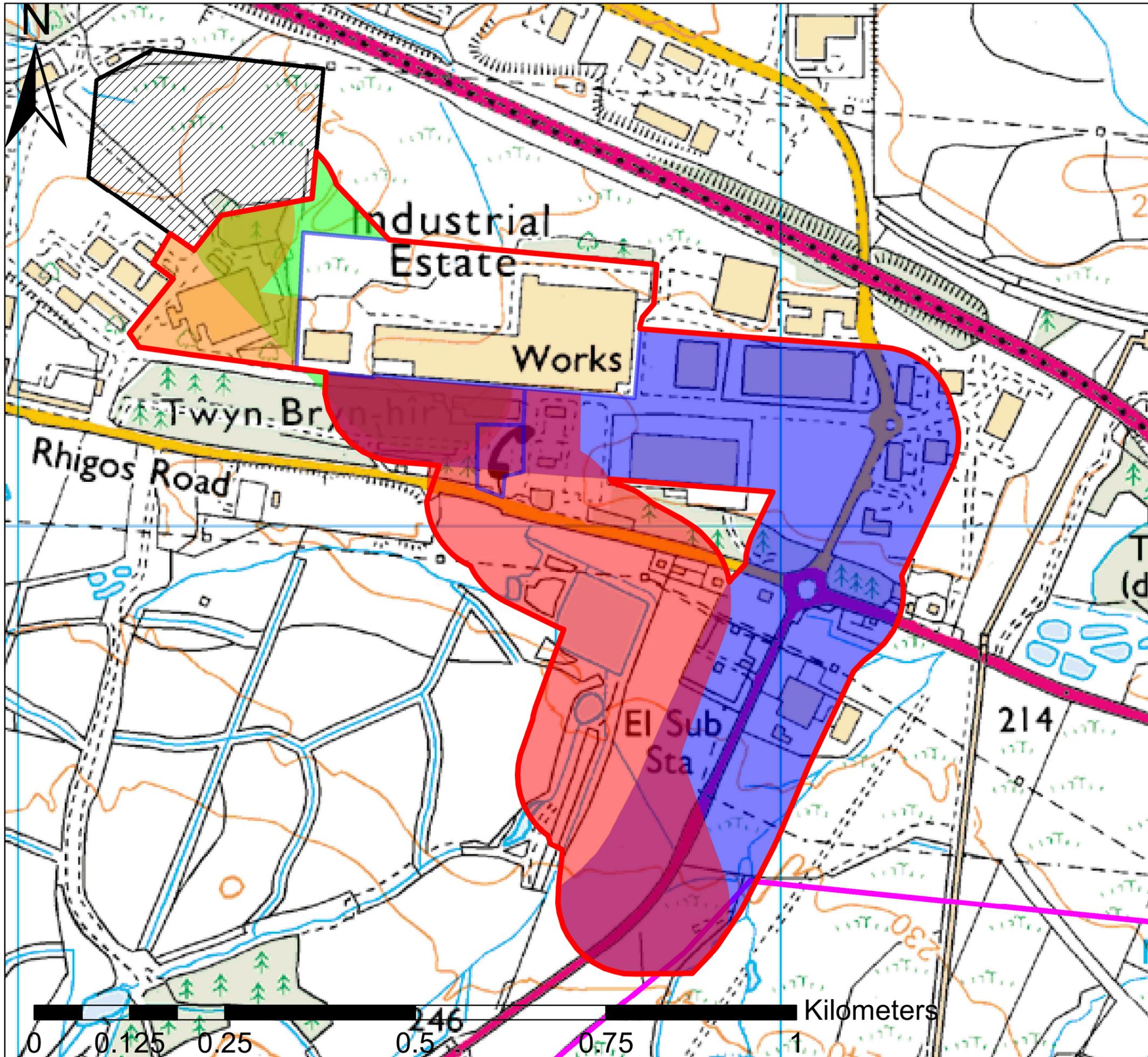
6000m3 Water Tank

Main Avenue

Gas Receiving Station



North



**Legend**

- Project Red Line Boundary
- Power Generation Plant proposed boundary
- Gas Connection Route Option 1
- Gas Connection Route Option 2
- Electrical Connection Route Option 1 (Underground)
- Electrical Connection Route Option 2 (Overhead)
- Gas Distribution Network
- Rhigos Substation (by National Grid)

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**Project Site Incorporating Connection Options**

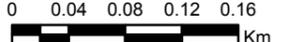
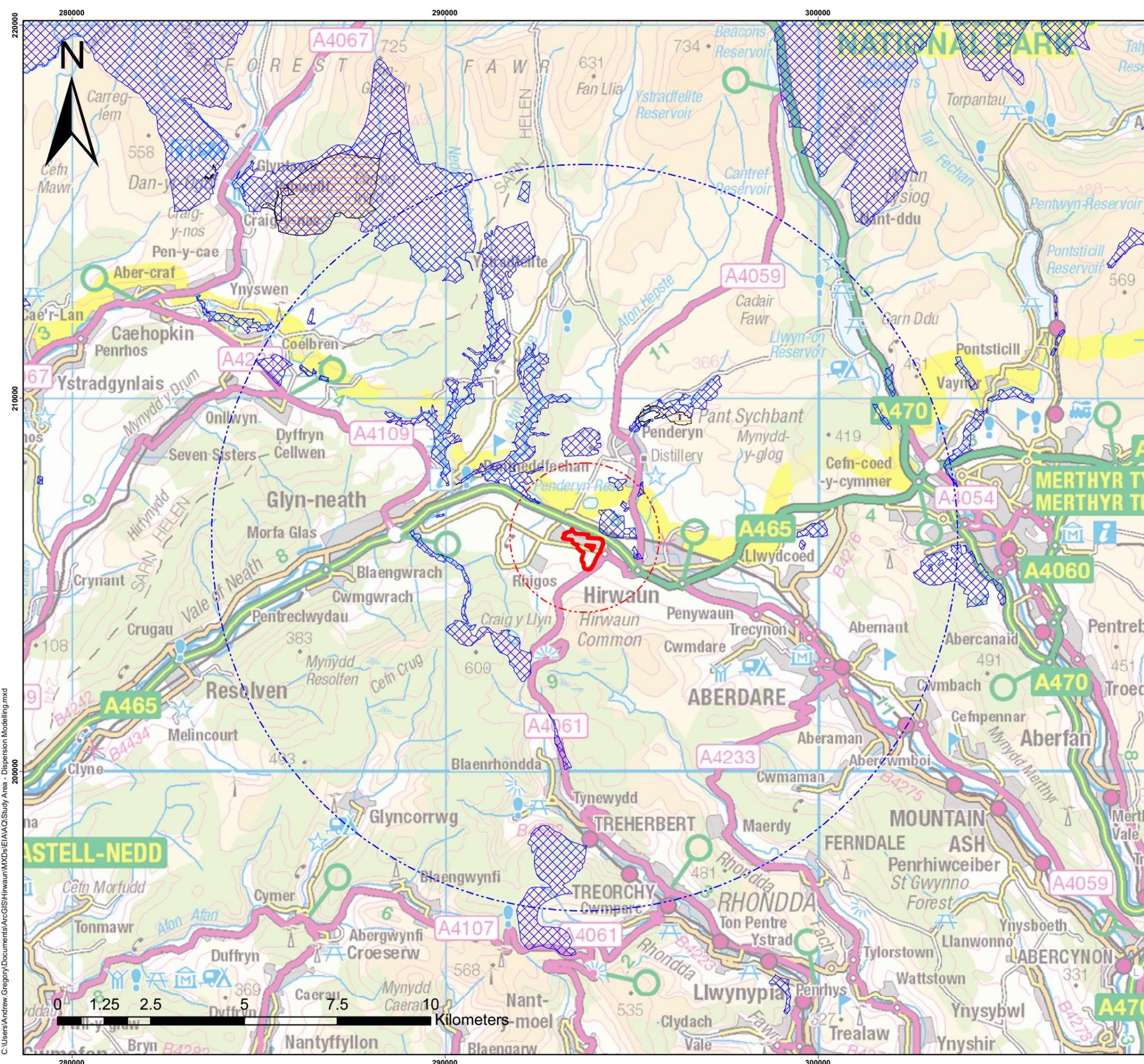
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BAR SCALE <b>1:5,000 @ A3</b>		
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Figure 4.2



### Legend

- Project Site
- 10km Study Area
- 2km Study Area
- SSSI
- National Nature Reserve
- Ramsar

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### Air Quality Study Area and Sensitive Ecological Sites

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**PARSONS BRINCKERHOFF** Figure 6.1

C:\Users\Andrew.Gregory\Documents\ArcGIS\Hirwaun\MXDs\EIA\AQ\Study Area - Dispersion Modelling.mxd



Scale 1 : 12699

# Hirwaun Power Project

## Preliminary Noise Contour Plot



Figure 7. 1



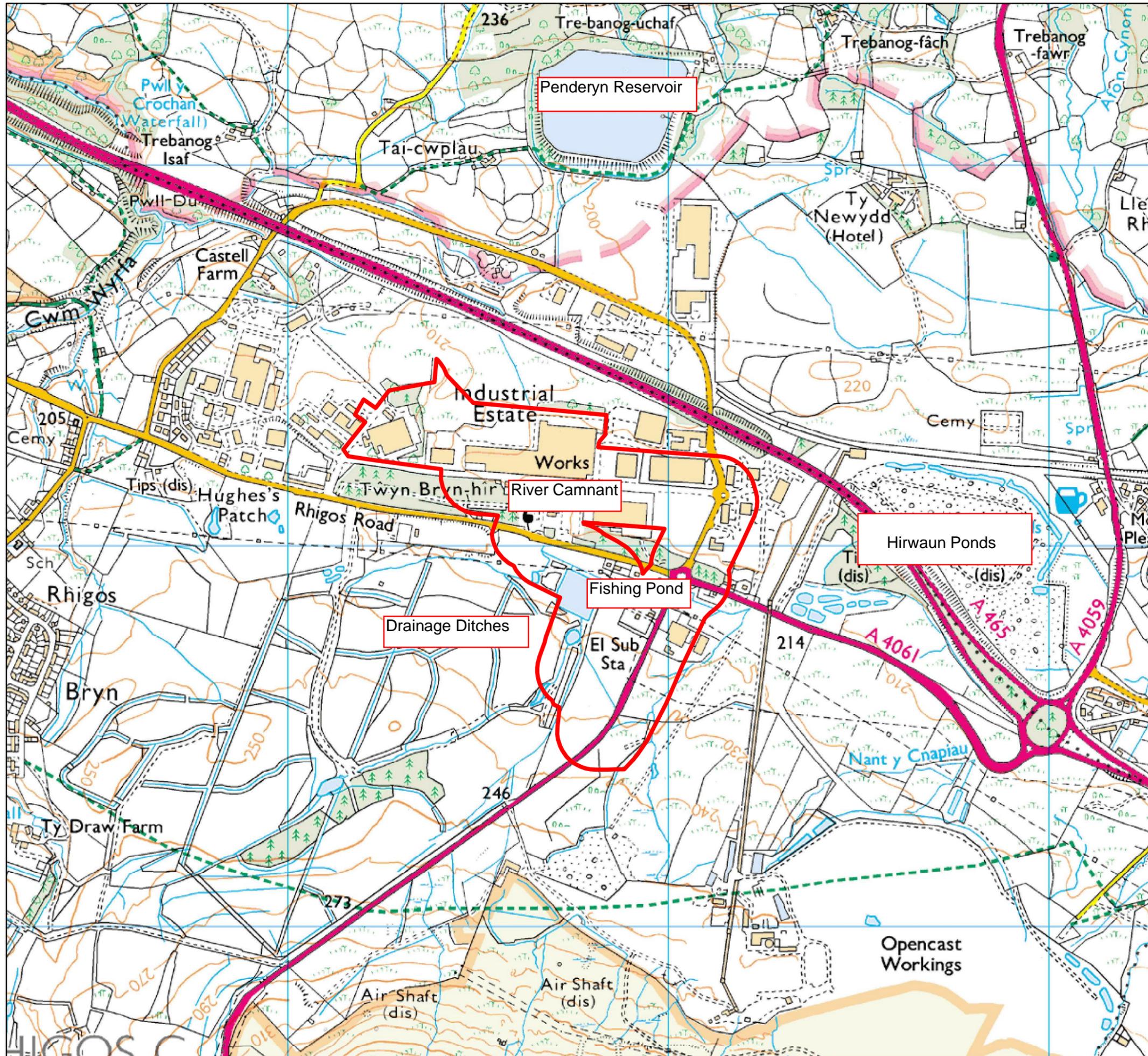
Drafted	30/08/13	PTB
Checked	30/08/13	EO



sound exposure level in dB(A)  
 receiver point height: 4 m above ground  
 grid distance: 10 m

Residential Receptor

	> -99.0 dB dB(A)
	> 35.0 dB dB(A)
	> 40.0 dB dB(A)
	> 45.0 dB dB(A)
	> 50.0 dB dB(A)
	> 55.0 dB dB(A)
	> 60.0 dB dB(A)
	> 65.0 dB dB(A)
	> 70.0 dB dB(A)
	> 75.0 dB dB(A)
	> 80.0 dB dB(A)
	> 85.0 dB dB(A)



# Legend

Project Site

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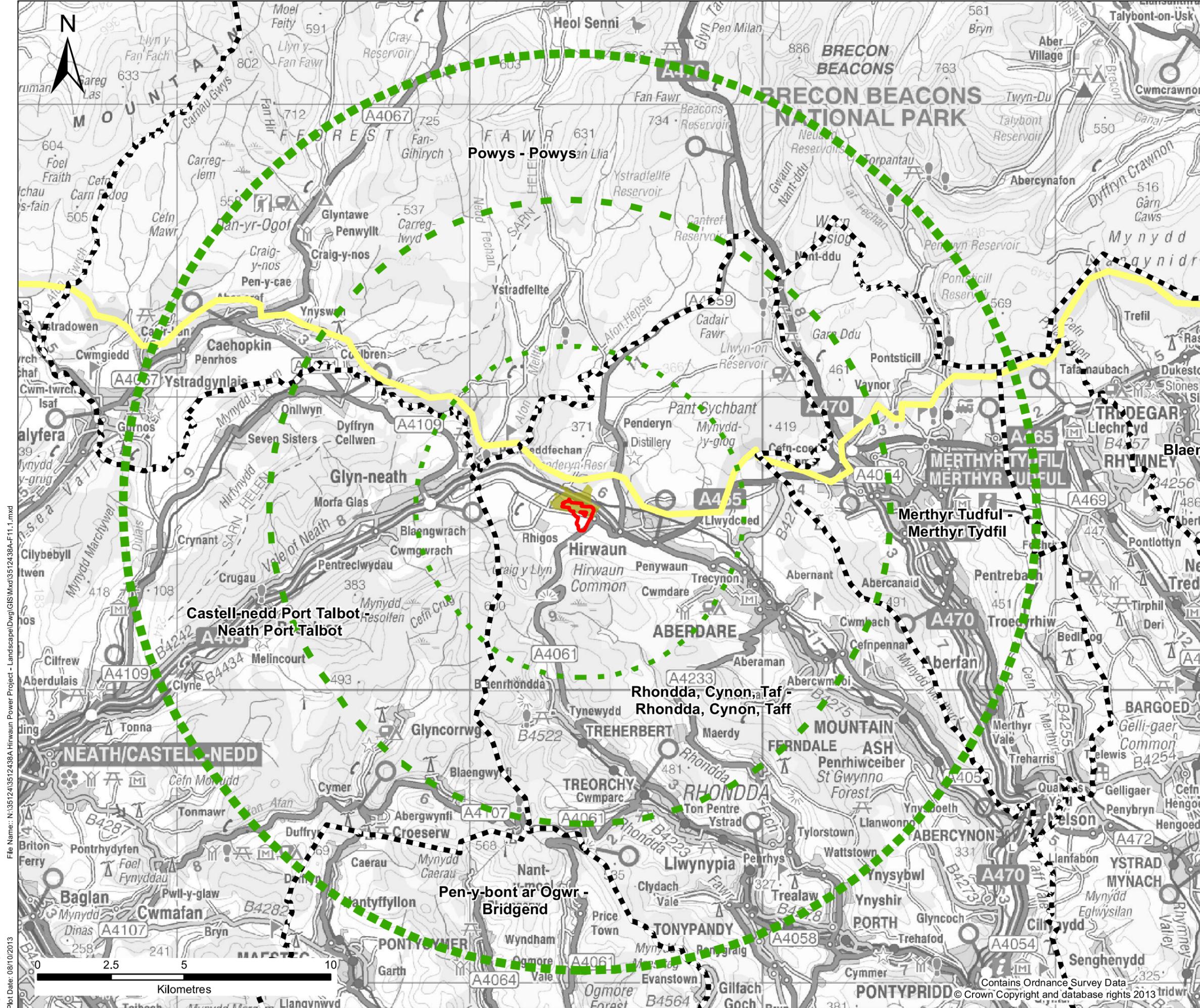


## Water Courses In The Vicinity Of The Project

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Figure 9.1



- Key**
- Site location
  - - - 5km Inner Study Area (Landscape)
  - - - - - 10km Outer Study Area (Landscape)
  - - - - - - - 15km ZTV
  - Administrative boundary(District)
  - Brecon Beacons National Park
  - Hirwaun Industrial Estate

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 Plot Date: 08/10/2013  
 Login: desouzaj

Rev	Date	Description	By	Chk	App

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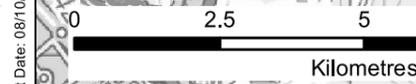
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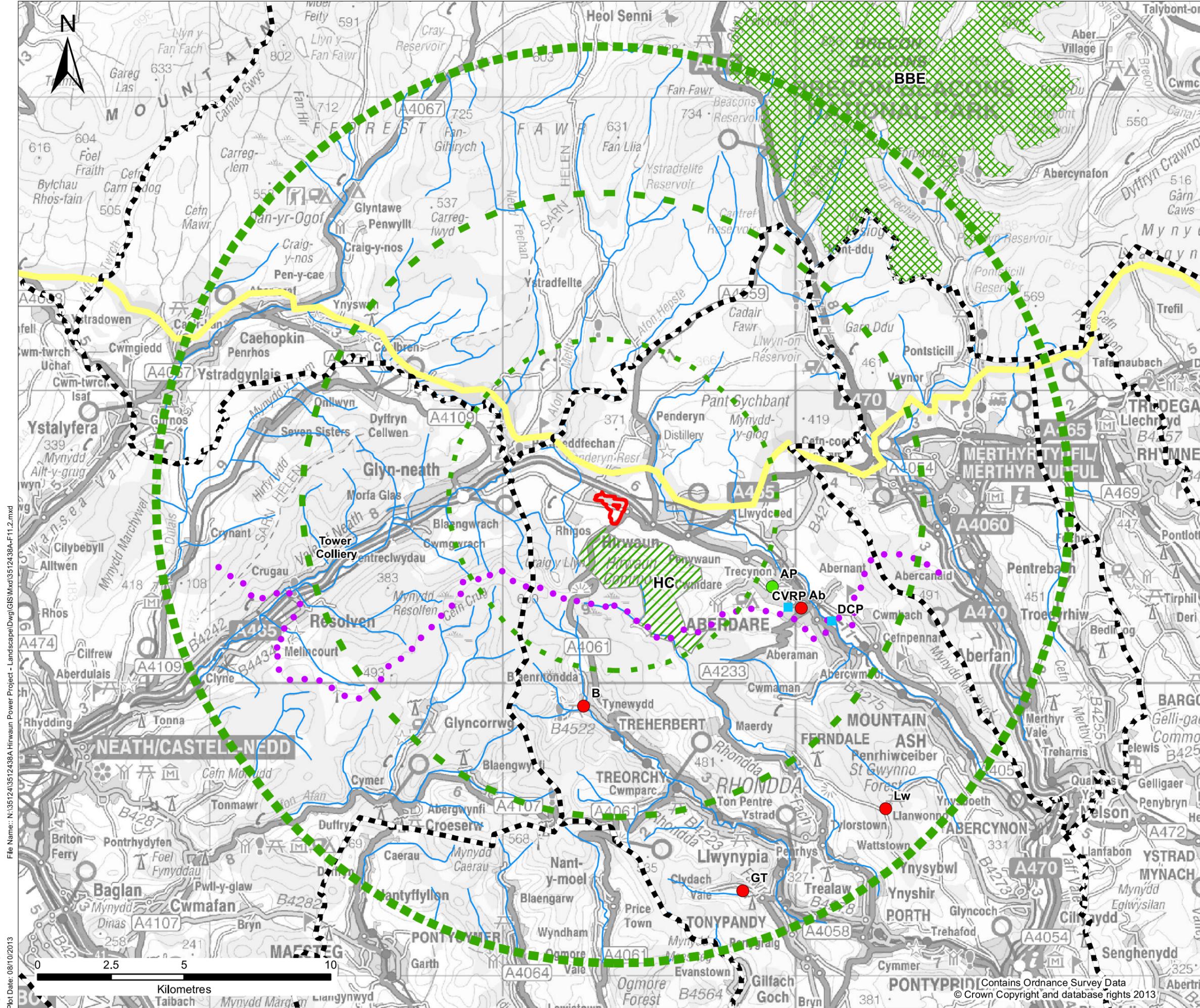

Site/Project:  
 Hirwaun Power Project

Title:  
 Site Location and LVIA Study Area

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Designed: KL	Approved: KR
Date: 08/10/2013	Scale: 1:122,000   A3   Sheet:
Project Number: 3512438B	Drawing Number: Figure 11.1
Revision:	

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**Key**

- Site location
- 5km Inner Study Area (Landscape)
- 10km Outer Study Area (Landscape)
- 15km ZTV
- Administrative boundary (District)
- Brecon Beacons National Park
- Conservation Areas

Code	Name
Ab	Aberdare Town Centre
B	Blaenrhondda
GT	Glan-Y-Llyn, Taffs Well
Lw	Llanwonno

**Special Landscape Area**

- Hirwaun Common
- Brecon Beacons
- Registered Historic Parks and Gardens

Code	Name
AP	Aberdare Park

- Country Parks

Code	Name
DCP	Dare Valley Country Park
CVRP	Cybon Valley River Park

- Coed Morgannwg Way
- River

Rev	Date	Description	By	Chk	App

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Site/Project:

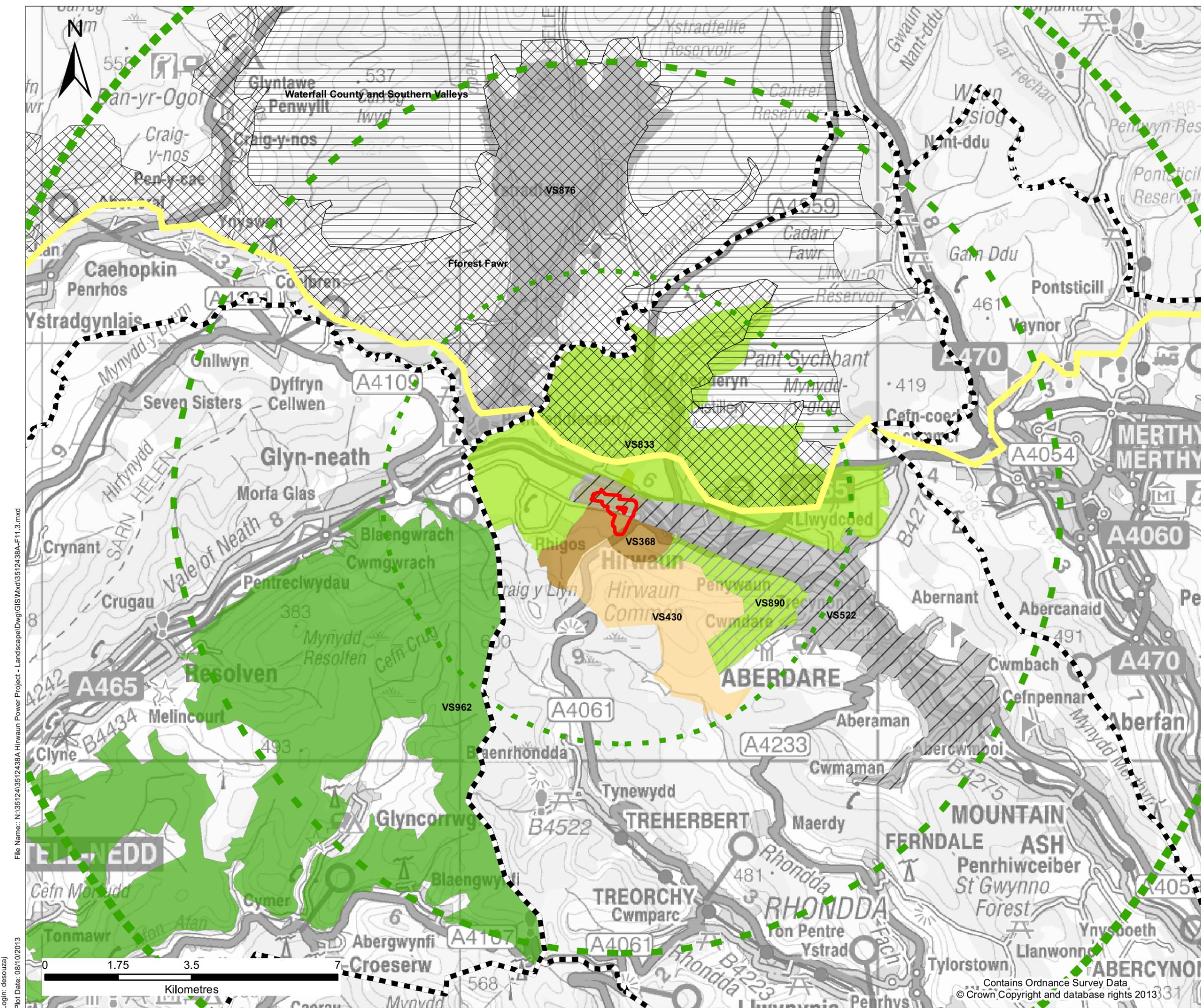
Hirwaun Power Project

Title:

Landscape Context

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Login: desouzaj  
Plot Date: 08/10/2013



**Key**

- Site location
- - - 5km Inner Study Area (Landscape)
- - - - - 10km Outer Study Area (Landscape)
- - - - - 15km ZTV
- Administrative boundary (District)
- Brecon Beacons National Park
- Hirwaun Industrial Estate

**LANDMAP Visual and Sensory Area**

- Nedd Fechan and Mellte Valleys (VS2786)
- Opencast (VS368)
- Hirwaun Common (VS430)
- Aberdare (VS522)
- Penderyn (VS833)
- Craig Nantmelyn (VS890)
- Mynydd Nant y bar / Mynydd Blaenafan (VS962)

**Brecon Beacons National Park**

- Forest Fawr (LCA 3)
- Waterfall County and Southern Valleys (LCA 4)

Rev	Date	Description	By	Chk	App

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**Hirwaun power**

Site/Project:

Hirwaun Power Project

Title:

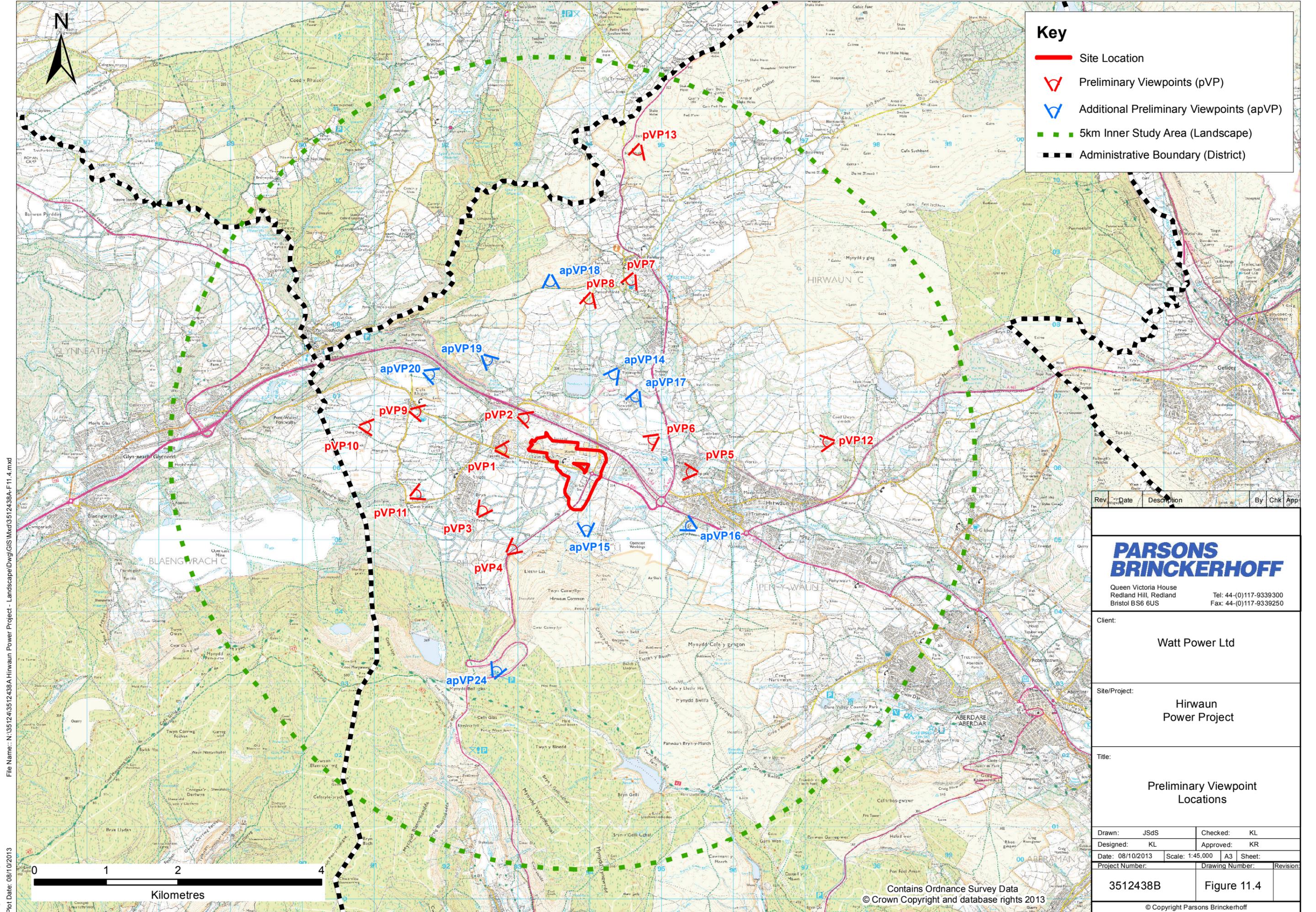
Landscape Character within 10km of the Site

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 Plot Date: 08/10/2013

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**Key**

- Site Location
- ▽ Preliminary Viewpoints (pVP)
- ▽ Additional Preliminary Viewpoints (apVP)
- 5km Inner Study Area (Landscape)
- Administrative Boundary (District)

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 Plot Date: 08/10/2013  
 Login: desouzaj

Rev	Date	Description	By	Chk	App

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**Watt Power Ltd**

Site/Project:  
**Hirwaun  
Power Project**

Title:  
**Preliminary Viewpoint  
Locations**

Drawn: JSdS	Checked: KL
Designed: KL	Approved: KR
Date: 08/10/2013	Scale: 1:45,000 A3 Sheet:
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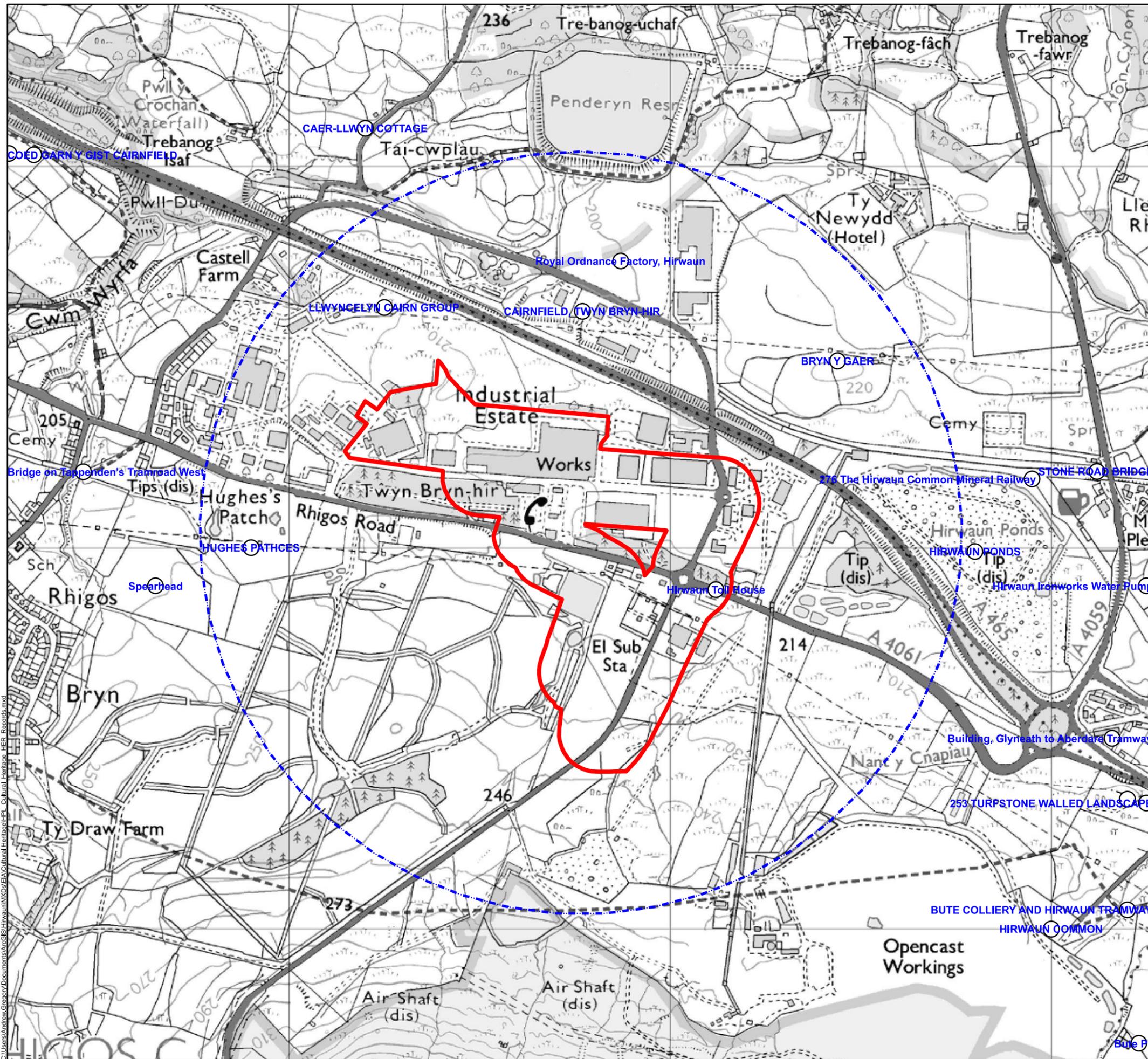












## Legend

- Project Site
- 1km Study Area
- Historic Environment Records

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## Cultural Heritage HER Records

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Figure 14.1

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