



wind2

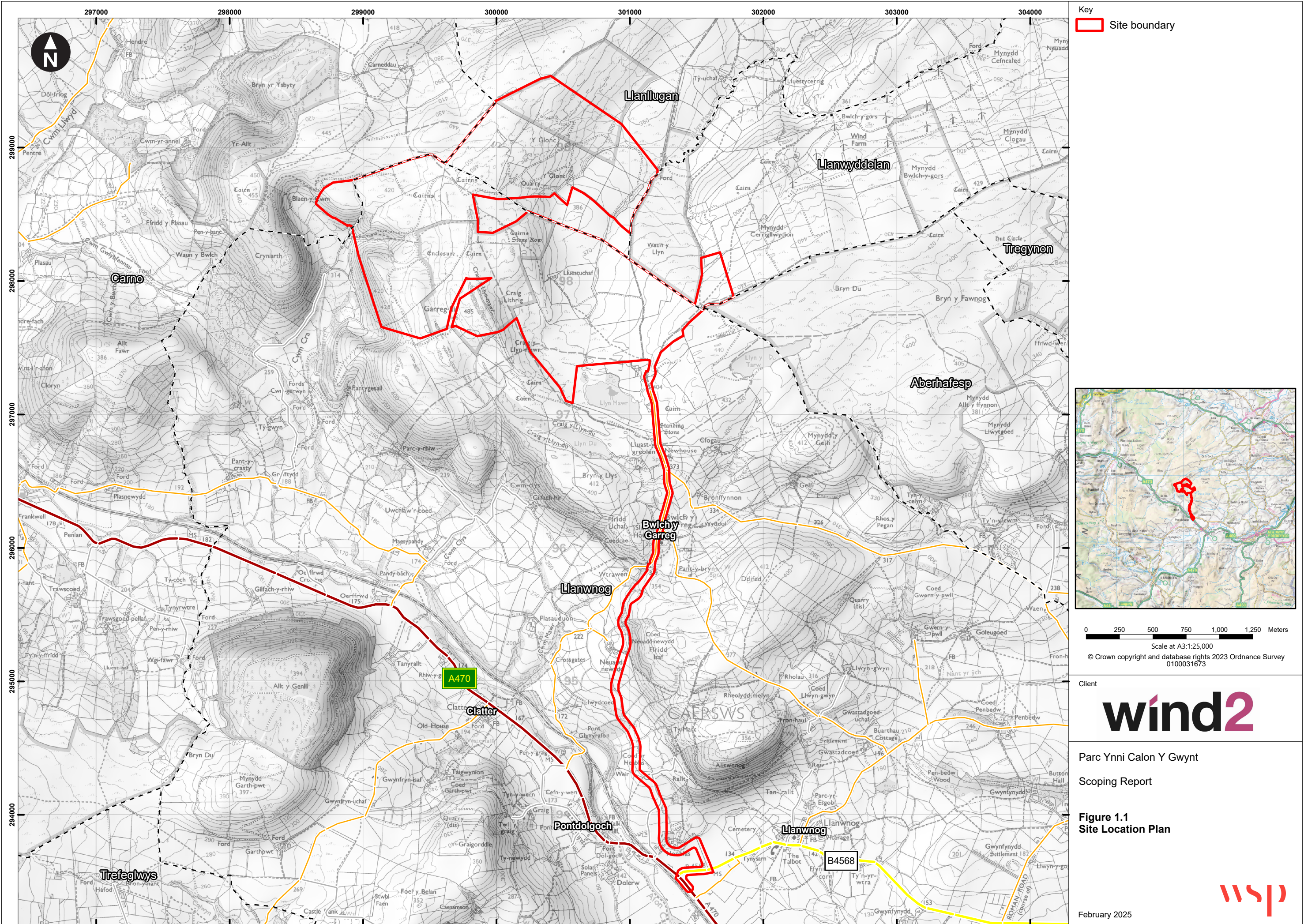
Wind2 Ltd

PARC YNNI CALON Y GWYNT

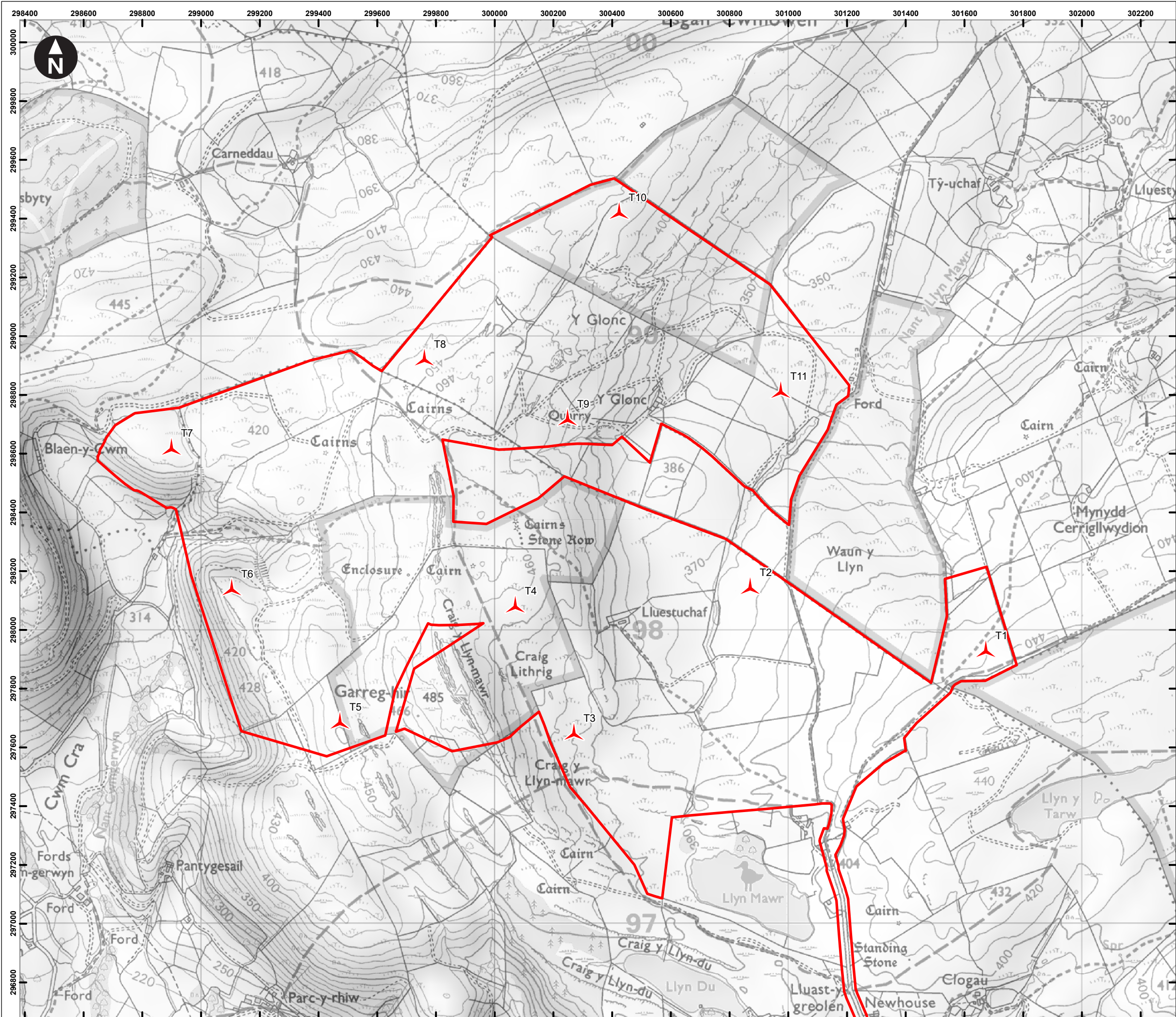
EIA Scoping Report

Figures 1.1 - 12.3





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Key

- Site boundary
- Wind turbine

0 250 500 Meters

Scale at A3:1:12,500

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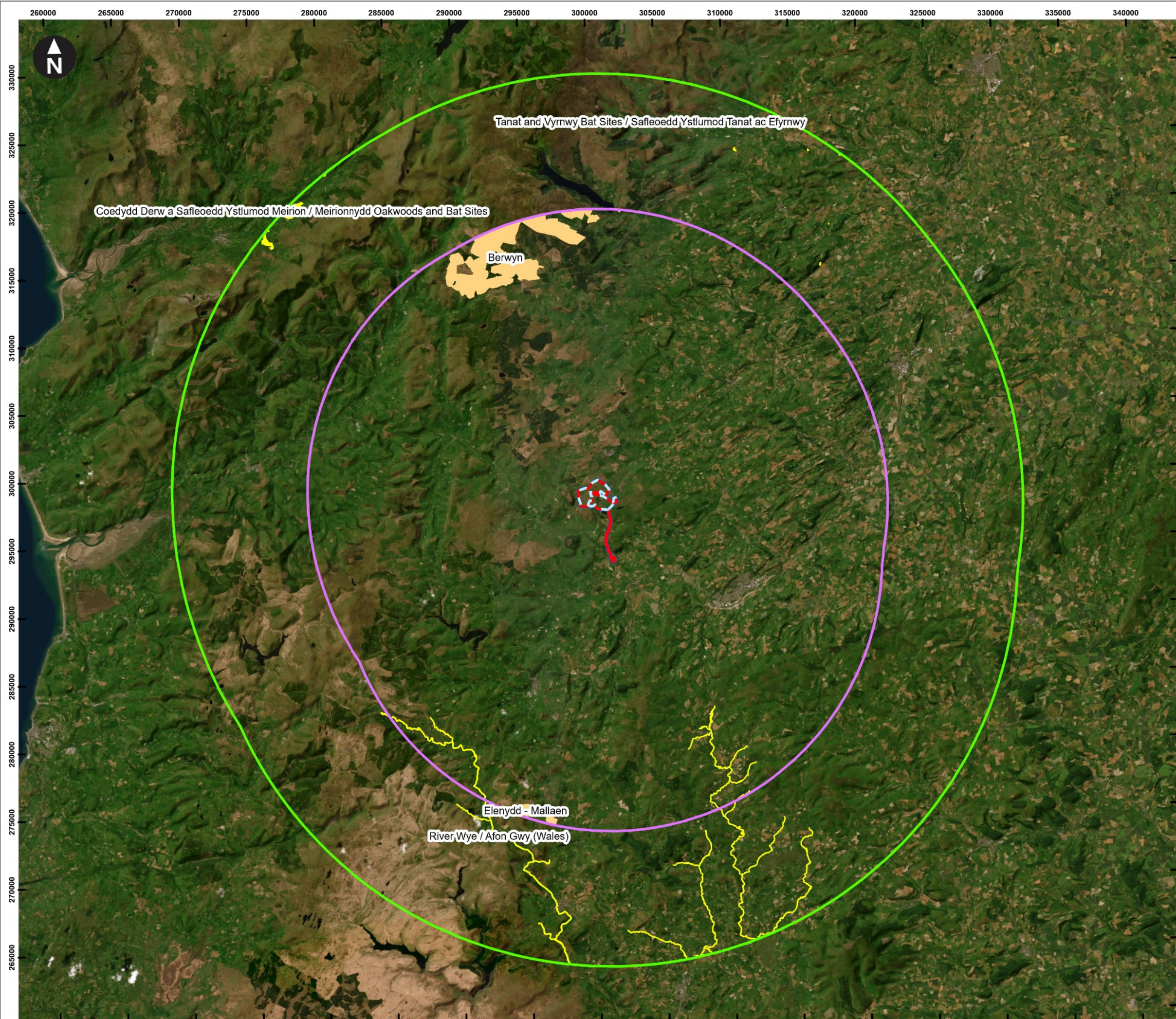
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Figure 2.1 Indicative Turbine Locations

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\\uk.wspgroup.com\central_data\Discipline Management\Environmental\1. Service Lines\Ecology\9. Marketing & Bidding\4. Submitted Bids\5. Cardiff\2023\Calon Y Gwynt Wind Farm\IT\GIS\Simxd\CalonYGwent_ArcPro.aprx Originator: UK



- Key
- Site
 - Combined Site
 - Combined Survey Area
 - 20km Search Area
 - 30km search area
 - SPA - Designated for Birds
 - SAC - Designated for Bats



0 5000 Meters
Scale at A3:1:271,927
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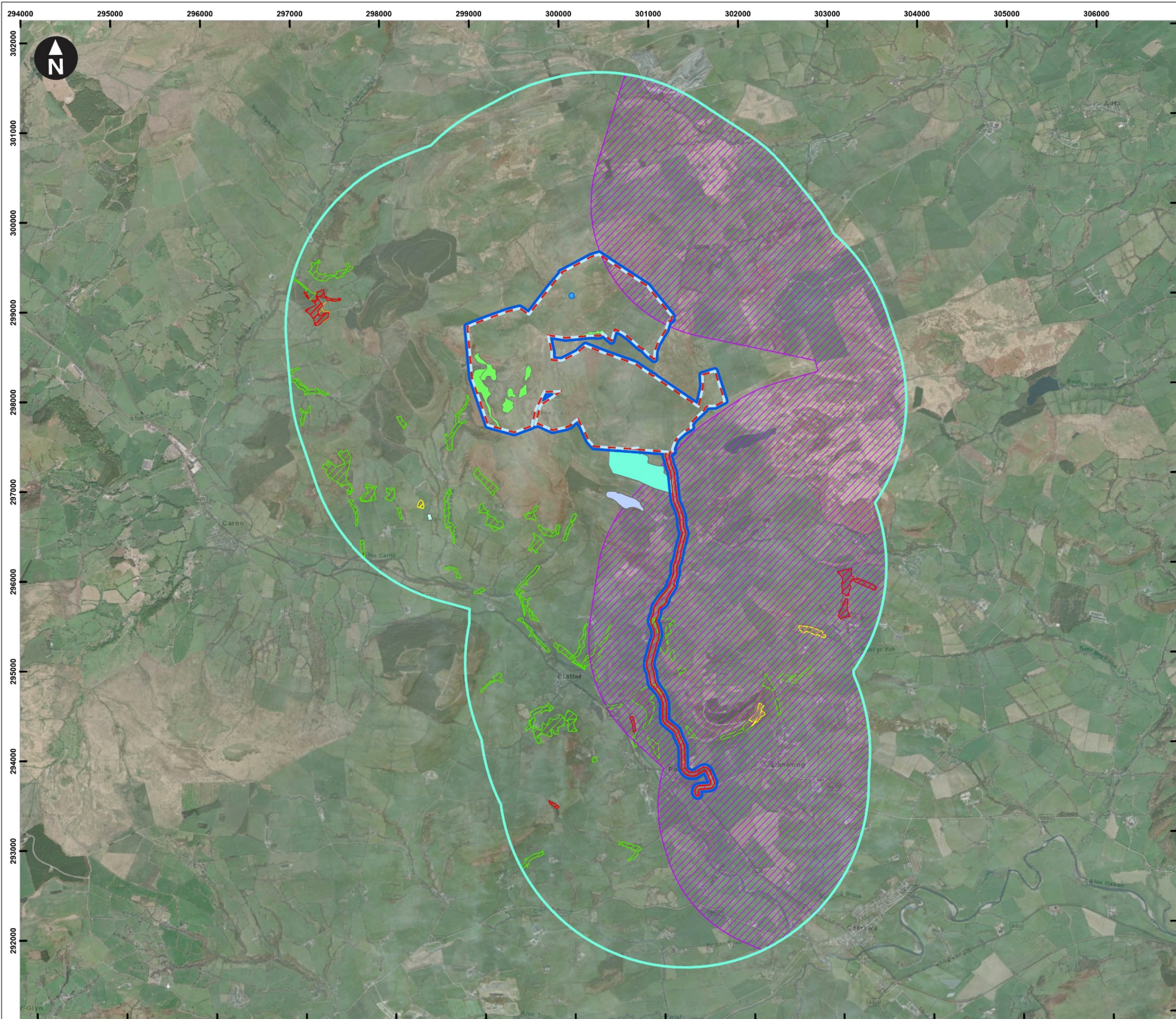
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Figure 5.1 SPA Sites Designated for Birds within 20km and SAC Sites Designated for Bats within 30km



Key

- Site
- Combined Site
- Combined Survey Area
- 2km search area
- Statutory designated sites within 2km
- Llyn Mawr SSSI
- Non Statutory Sites and Ancient Woodland Inventory
- Ancient Semi Natural Woodland
- Ancient Woodland Site of Unknown Category
- Restored Ancient Woodland Site
- Plantation on Ancient Woodland Site
- B-Lines
- Road Verge Nature Reserve
- Wildlife Site / Site of Importance for Nature Conservation (Adopted)
- Wildlife Trust Reserve
- Priority Habitats
- Lowland Dry Acid Grassland
- Lowland Heathland
- Purple Moor Grass and Rush Pastures
- Upland Heathland
- Waterbody 2

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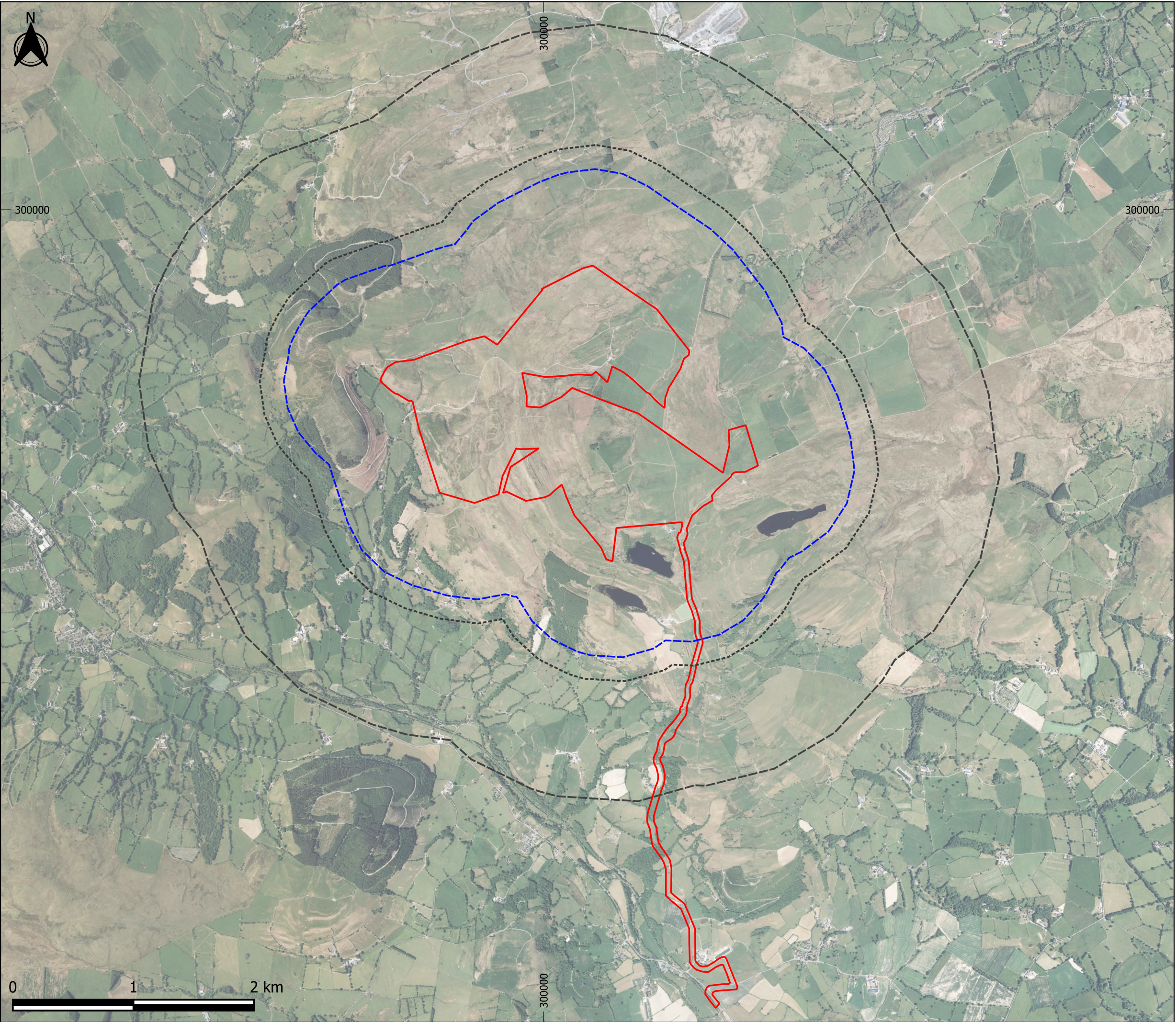
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Figure 5.2 Non-Statutory Sites and Ancient Woodland Inventory within 2km and Priority Habitats within the Desk Study

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- Legend
- Site boundary
 - 10km from site boundary
 - Breeding Wader Survey (800m buffer from site boundary)
 - Breeding Raptor Survey (1km buffer from site boundary)
 - Breeding Raptor Survey (2km buffer from site boundary)



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T: 01633 509000

JOB REF: P23-106

PROJECT TITLE
CALON Y GWYNT WIND FARM

DRAWING TITLE
Figure 6-1: Calon y Gwynt Site Boundary
(including access track option)

DATE: 03/12/2024	CHECKED: DW	SCALE: 1:30,000
DRAWN: BH	APPROVED: DW	VERSION:1.0

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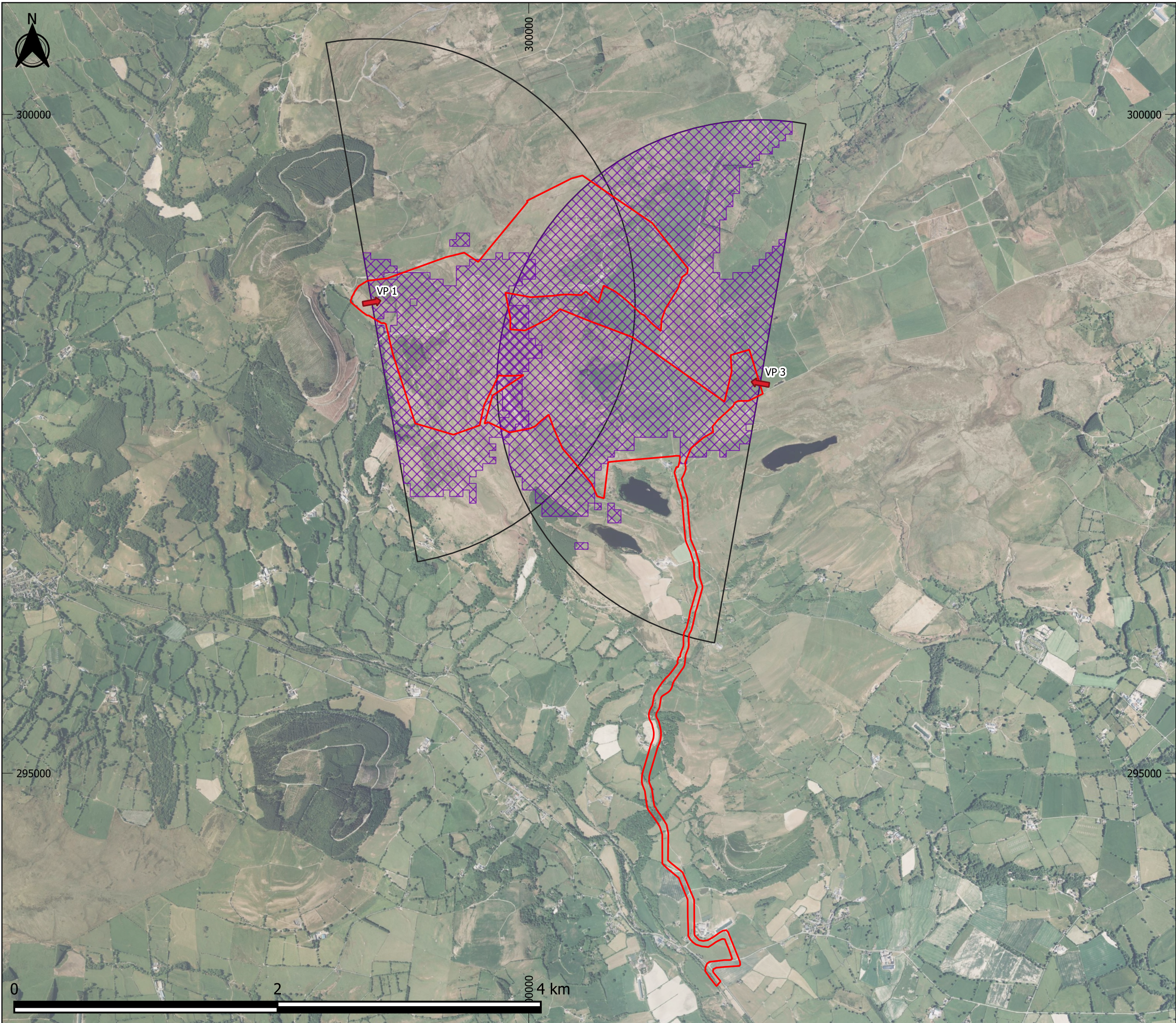
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Area measurements for indicative purposes only.

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Projection: OSGB 1936/British National Grid - EPSG 27700

Sources: © Natural England



- Legend
- Vantage Point/Viewing Station
 - Viewshed
 - 2000m viewing arc
 - Site boundary

BSG | ecology

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T: 01633 509000

JOB REF: P23-106

PROJECT TITLE
CALON Y GWYNT WIND FARM

DRAWING TITLE
Figure 6-2: Calon y Gwynt Vantage Point locations and viewshed

DATE: 03/12/2024	CHECKED: DW	SCALE: 1:27,500
DRAWN: BH	APPROVED: DW	VERSION:1.0

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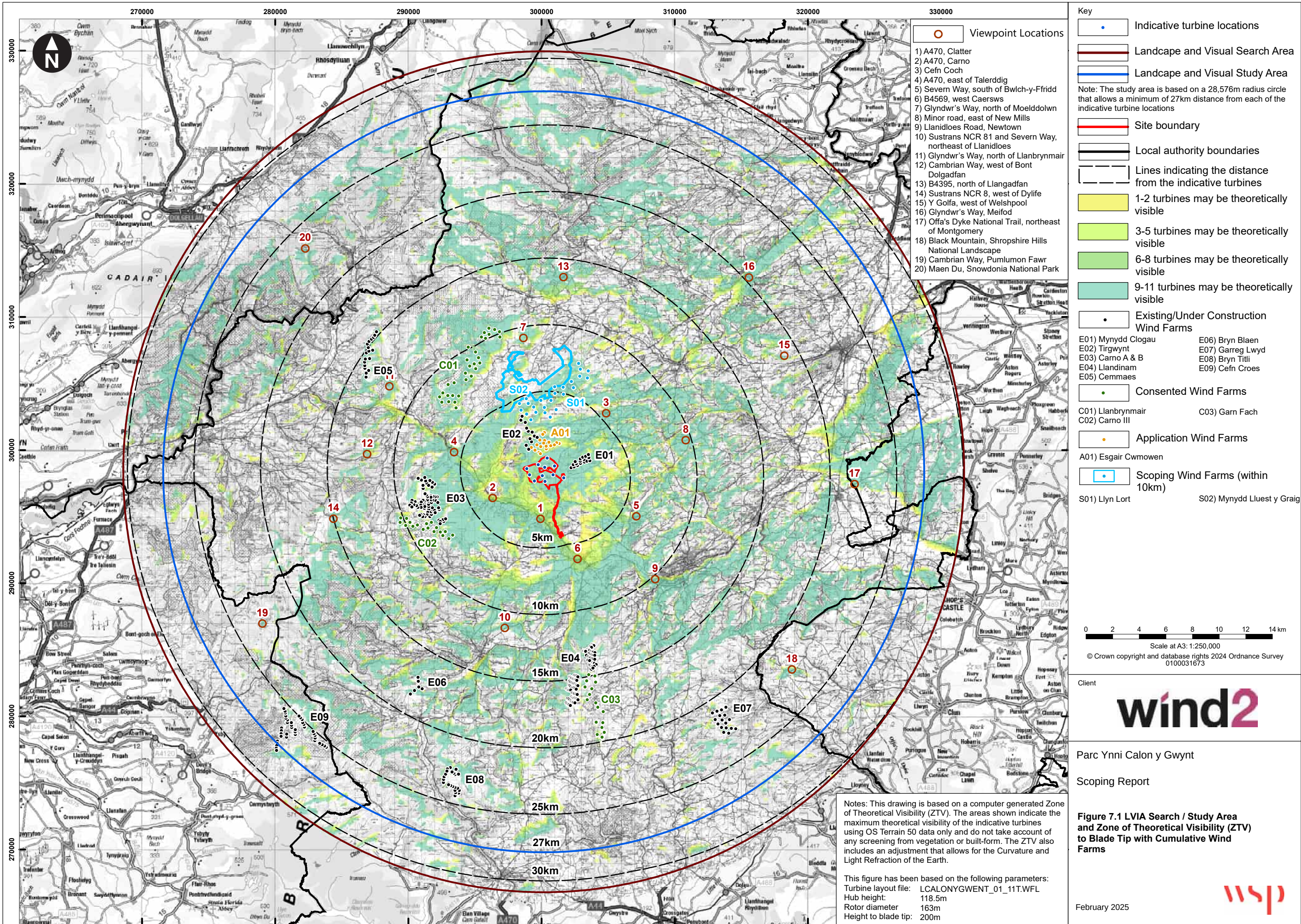
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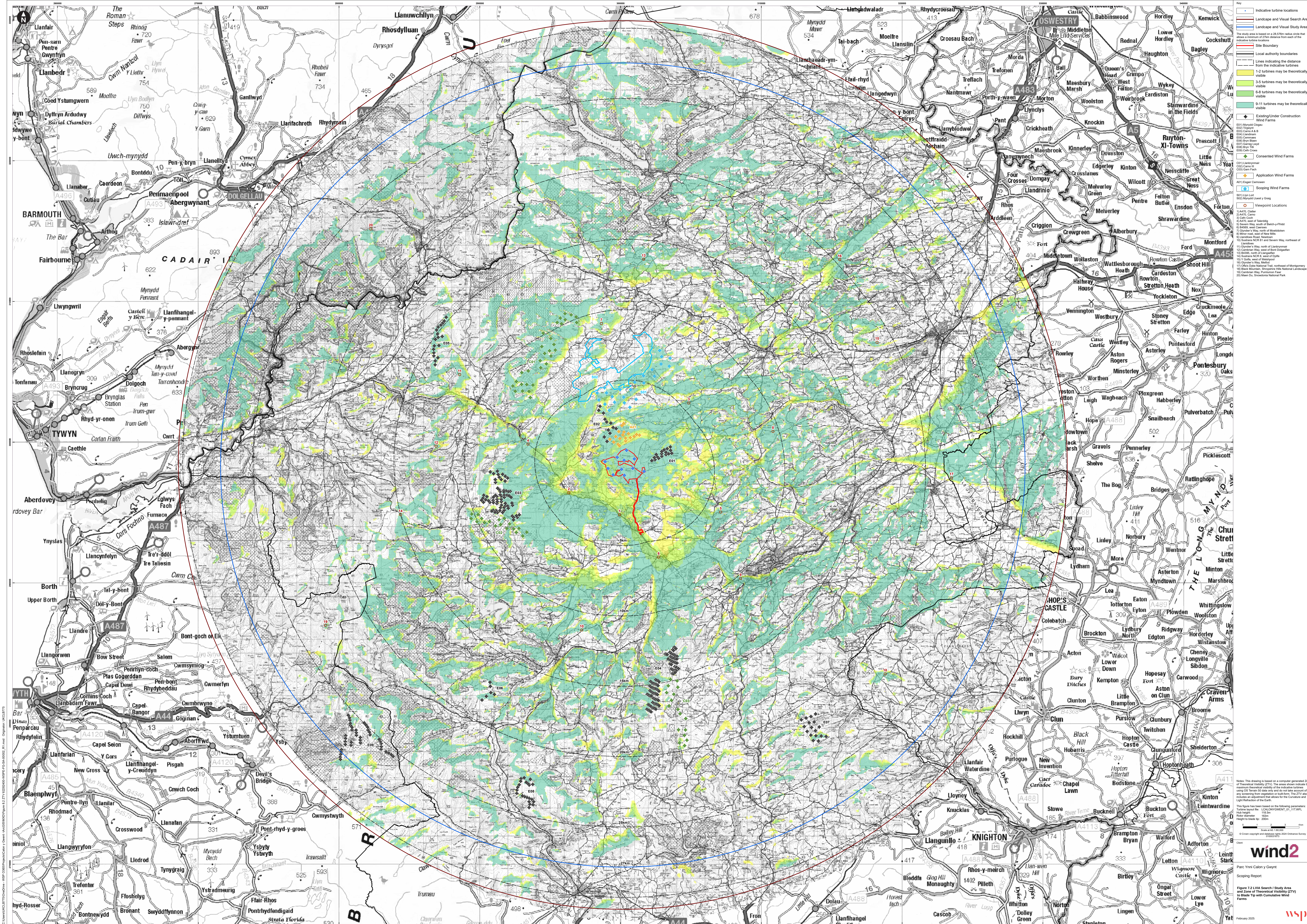
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Sources: BSG Ecology survey data





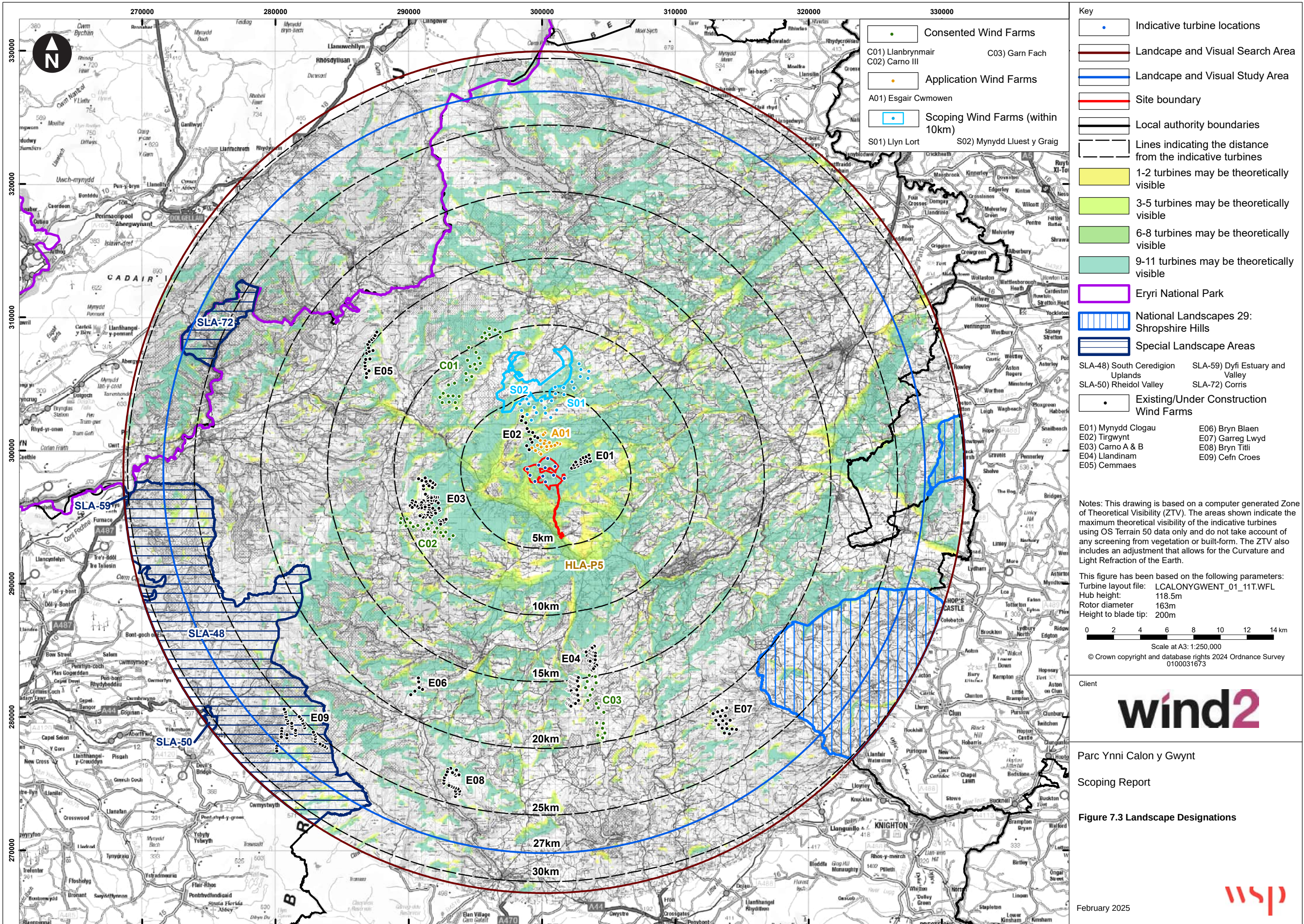


Figure 7.3 Designations 62282400-WSPE-FG-SA-00003_R1

C:\Users\UKCLB775\OneDrive - WSP\Projects\Calon y Gwent - ArcGISMXD\Figure 8.4 Routes 62282400-WSPE-FG-SA-00004_R1.mxd Originator: UKCLB775

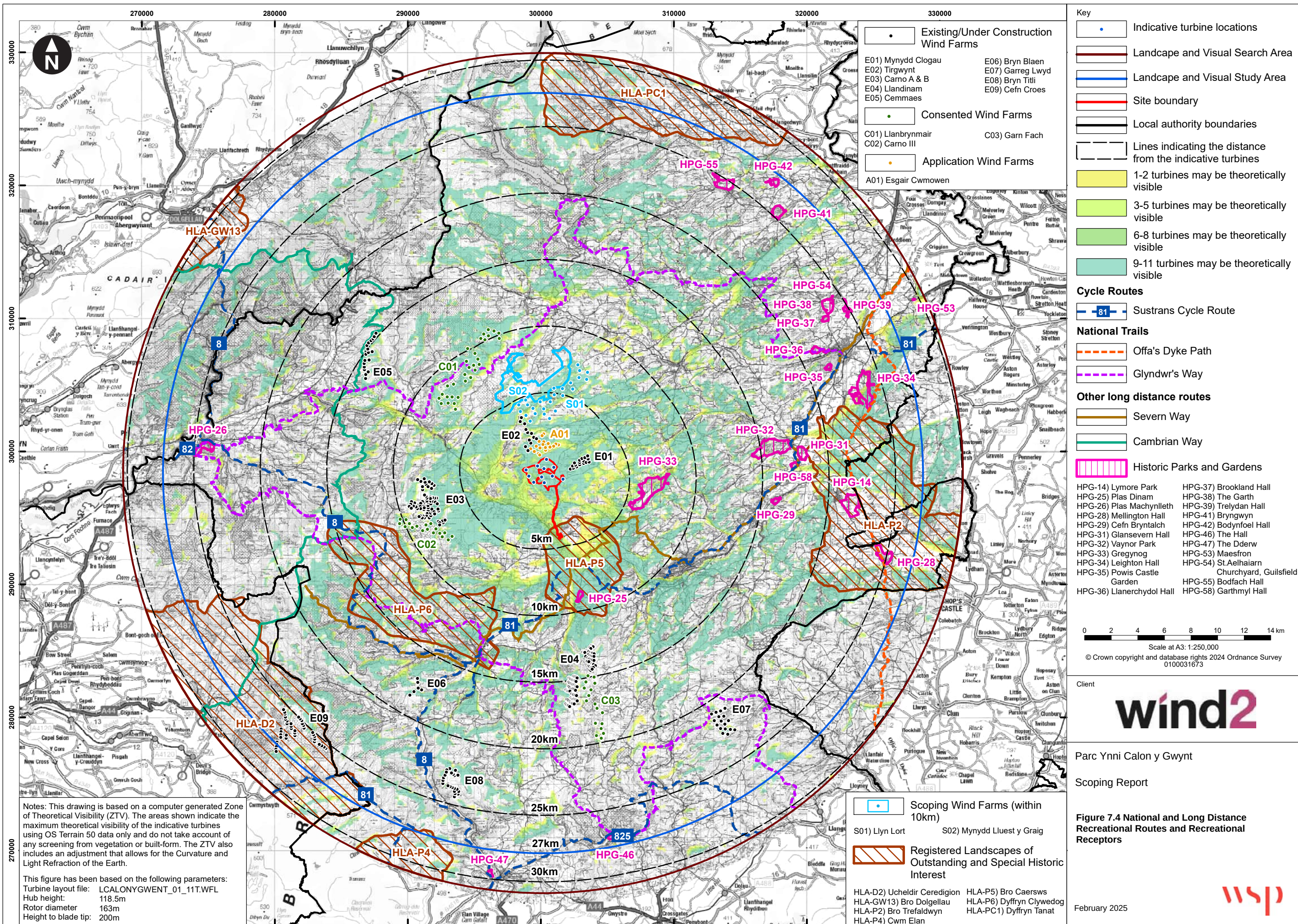
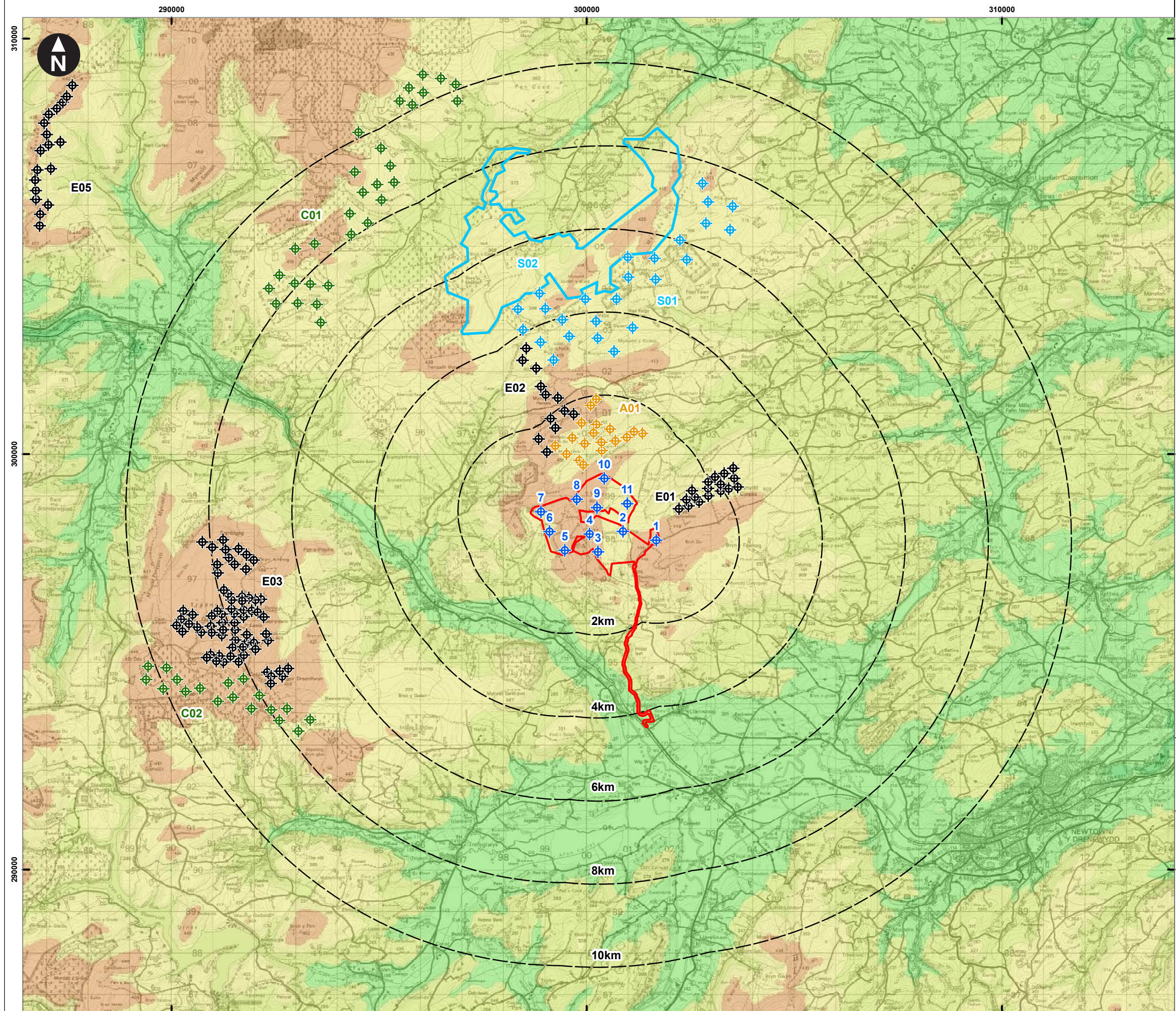


Figure 7.4 Routes 62282400-WSPE-FG-SA-00004_R1

C:\Users\UKCLB775\OneDrive - WSP\O365\Projects\Calon y Gwent -\ArcGISMXD\Figure 8.5 Topo 62282400-WSPE-FG-SA-00005_R1.mxd Originator: UKCLB775



Key

- Indicative turbine locations
- Site boundary
- Local authority boundaries
- Lines indicating the distance from the indicative turbines
- Existing/Under Construction Wind Farms

E01) Mynydd Clogau
E02) Tirgwynt

E03) Carno A & B
E05) Cemmaes

Consented Wind Farms

C01) Llanbrynmair
C02) Carno III

Application Wind Farms

A01) Esgair Cwmowen

Scoping Wind Farms

S01) Llŷn Lort
S02) Mynydd Lluet y Graig

Topography

984m AOD and above
0m AOD

0 1 2 3 4 5 km

Scale at A3: 1:88,011
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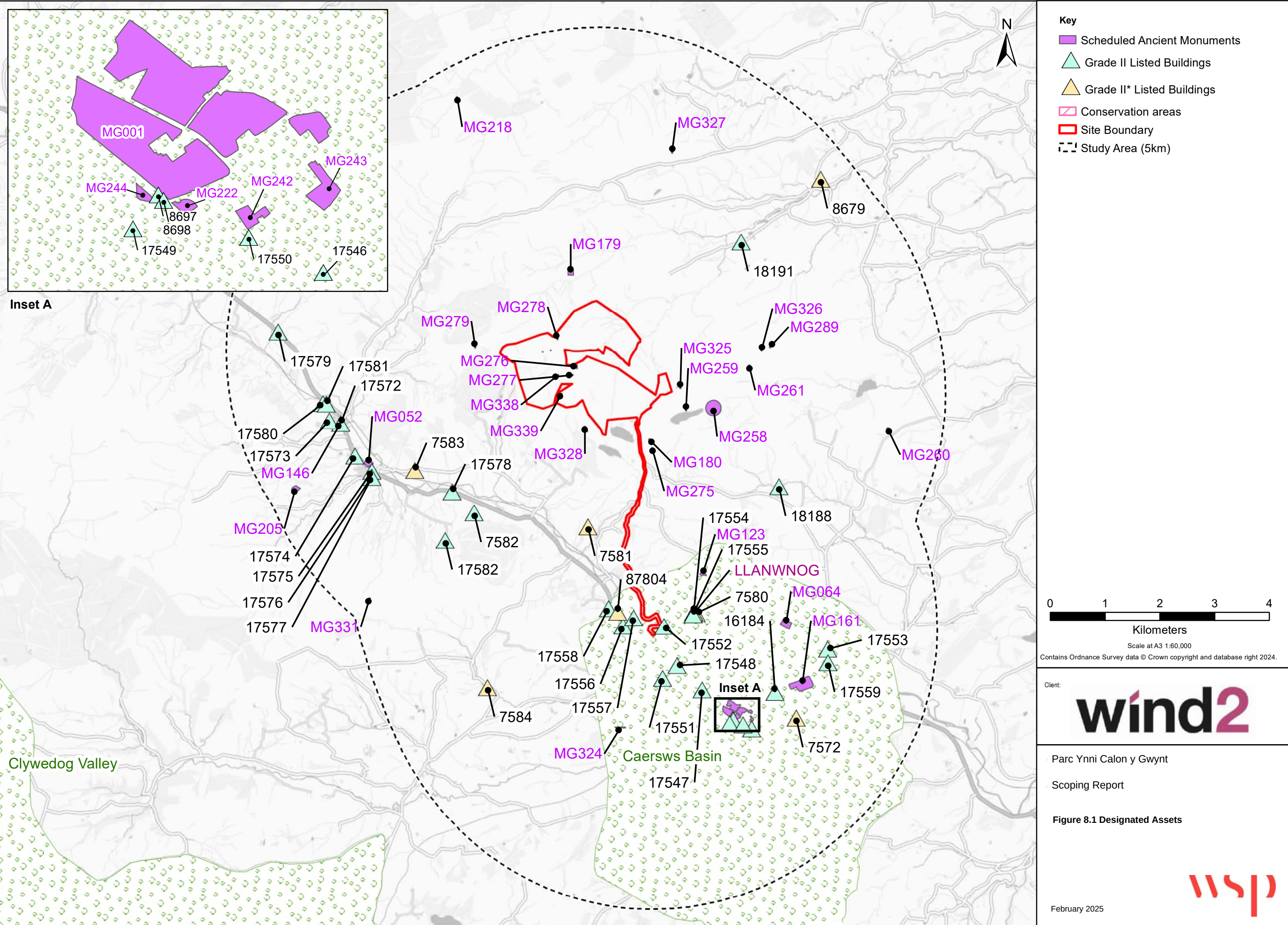
Scoping Report

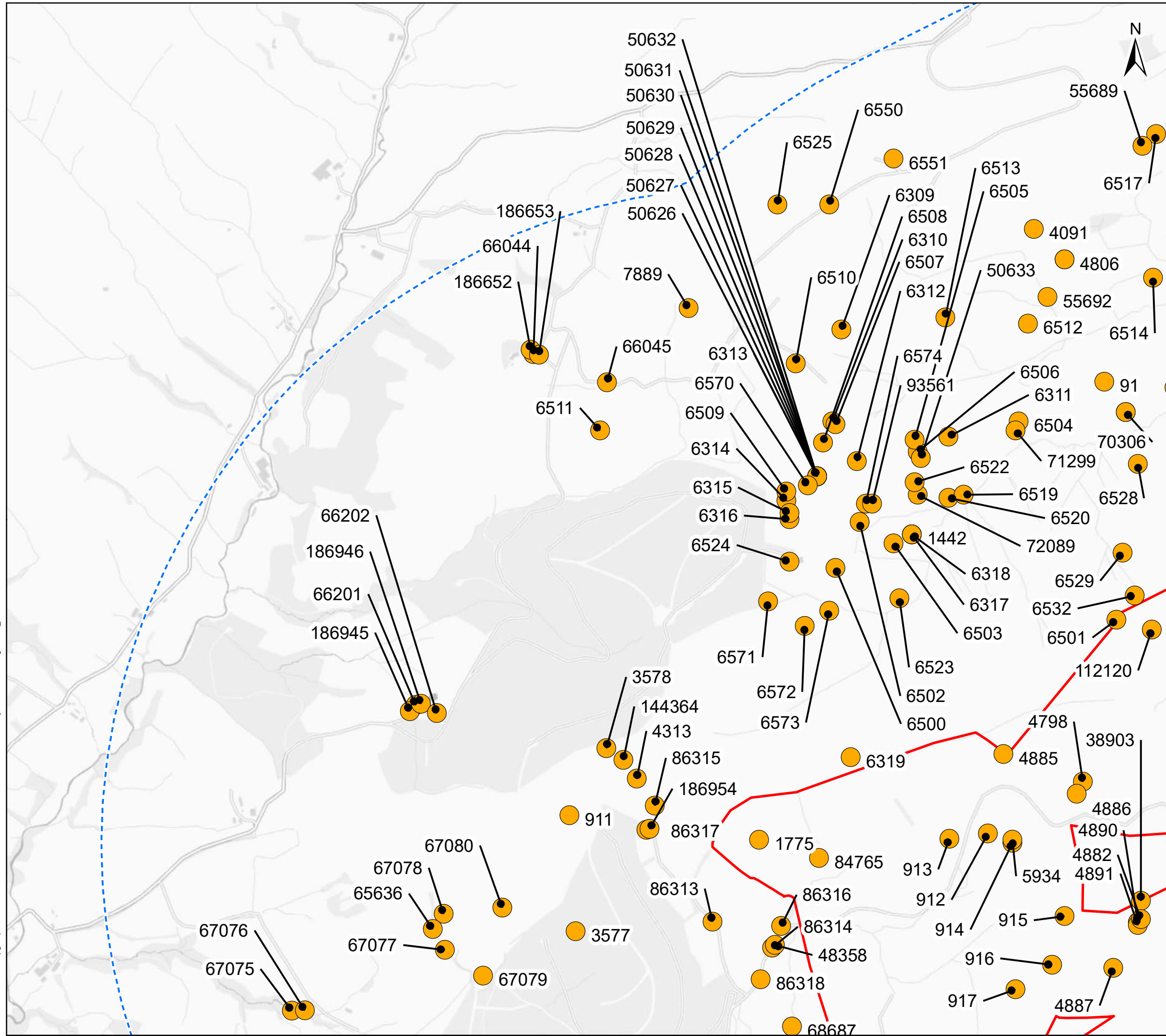
Figure 7.5 Topography Map with Cumulative Wind Farms within 10km

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Figure 7.5 Topo 62282400-WSPE-FG-SA-00005_R1





Client:

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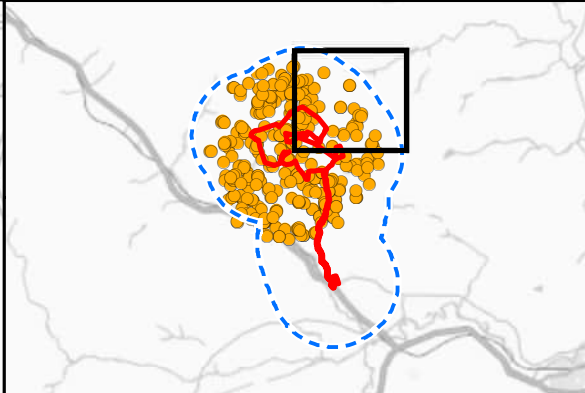
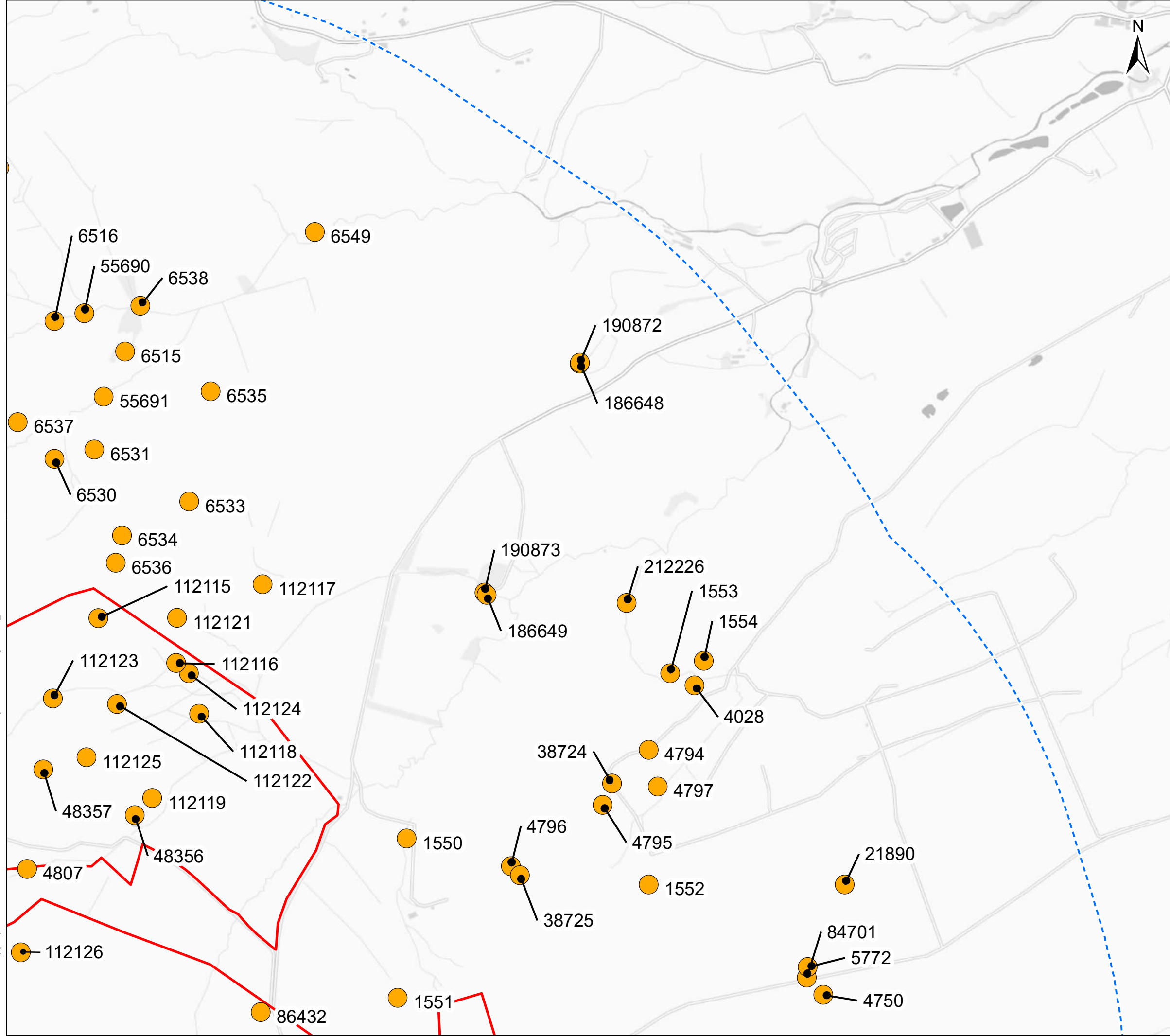
Parc Ynni Calon y Gwynt

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Figure 8.2A
Non-Designated Assets

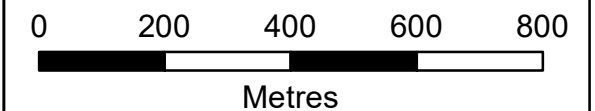
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Key

- HER Heritage Assets
- Site Boundary
- Study Area (2km)



Scale at A3 1:12,000

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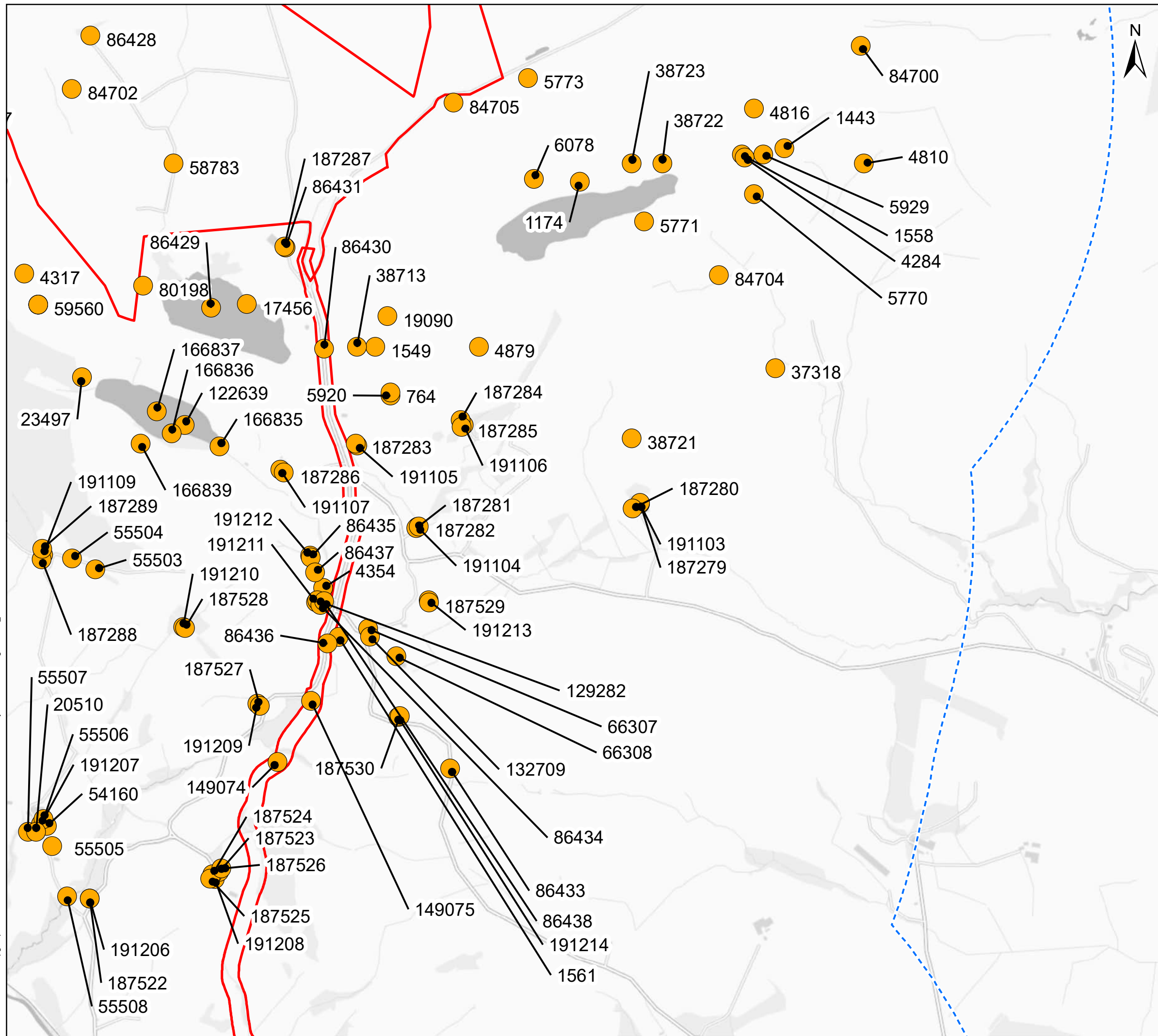
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Figure 8.2B
Non-Designated Assets

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Key

- HER Heritage Assets
- Site Boundary
- Study Area (2km)

0 200 400 600 800

Metres

Scale at A3 1:12,000

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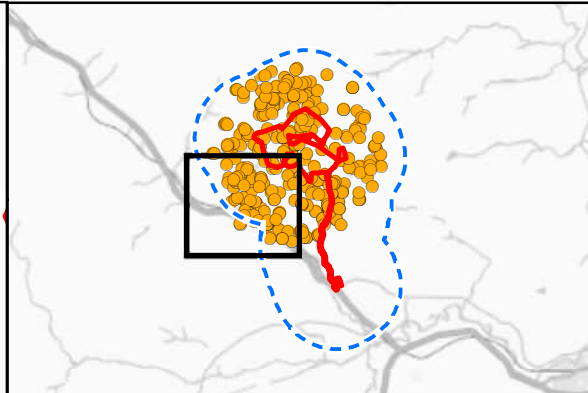
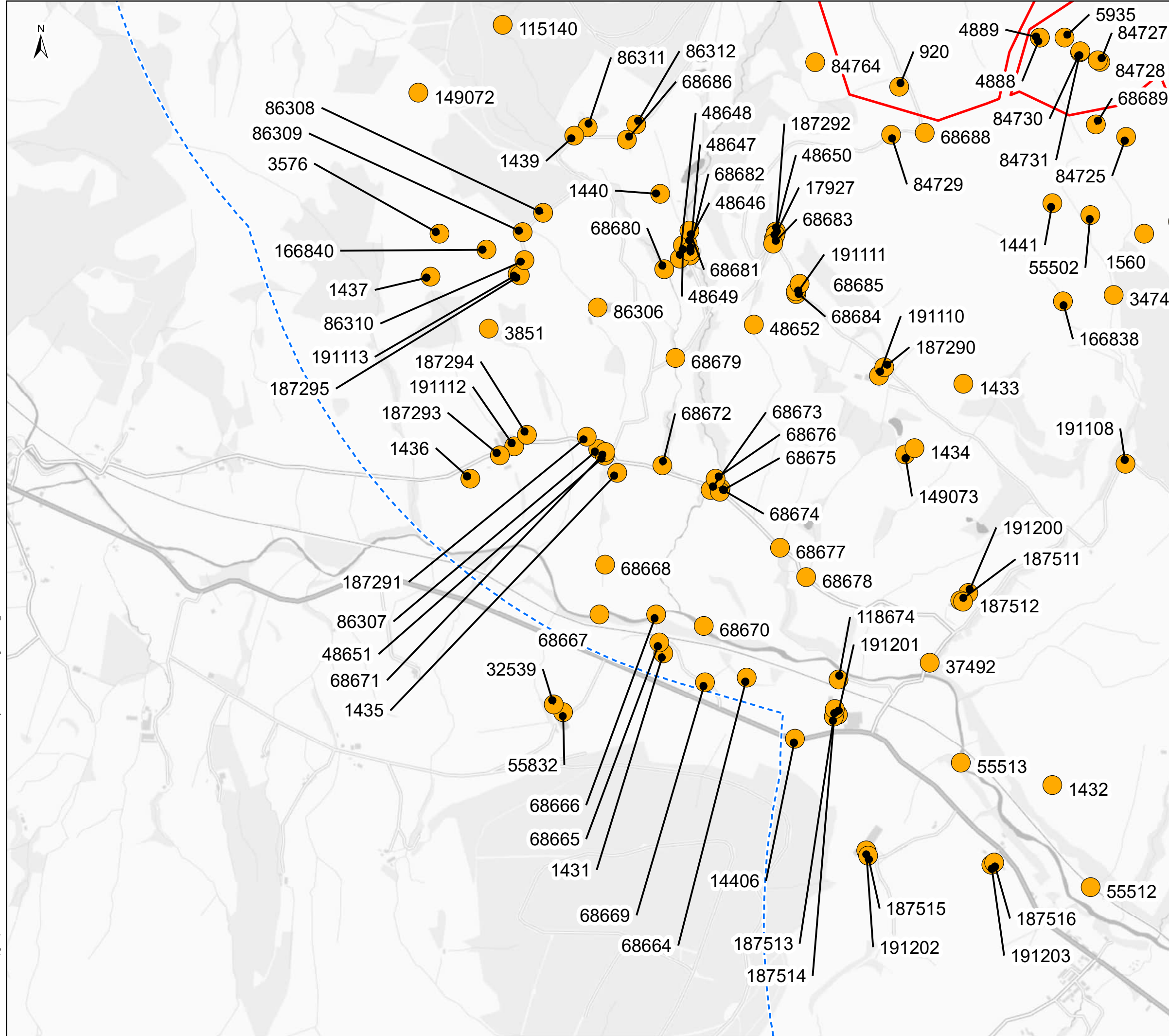
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Figure 8.2C
Non-Designated Assets

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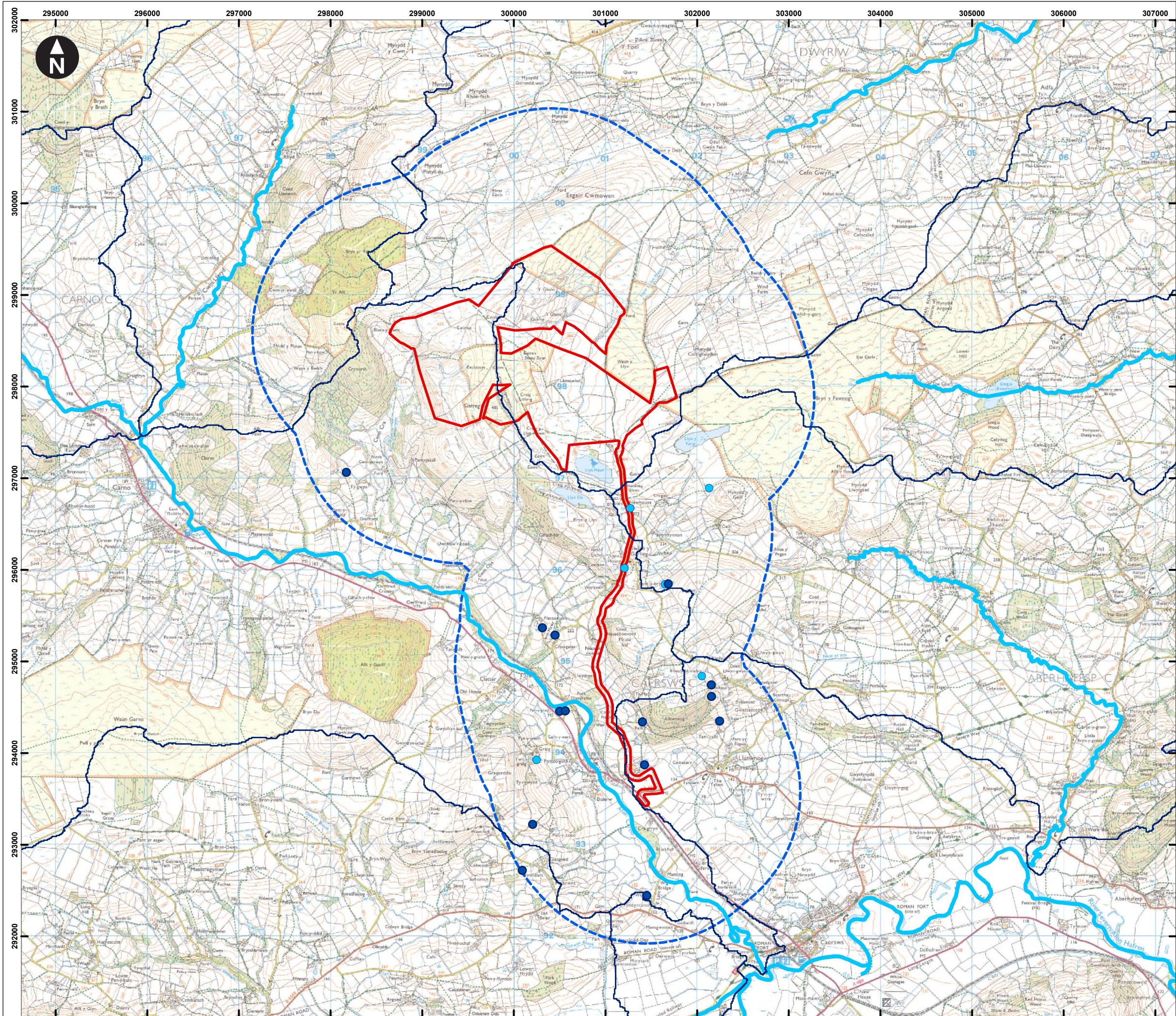
Parc Ynni Calon y Gwynt

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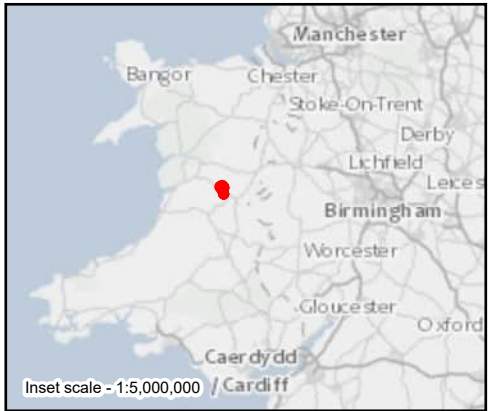
Figure 8.2D
Non-Designated Assets

February 2025





- Key
- Site boundary
 - 1.5km search area
 - WFD Waterbody catchment boundary
 - WFD main rivers
 - Spring
 - Well



0 500 1,000 1,500 2,000 m

Scale at A3: 1:40,000

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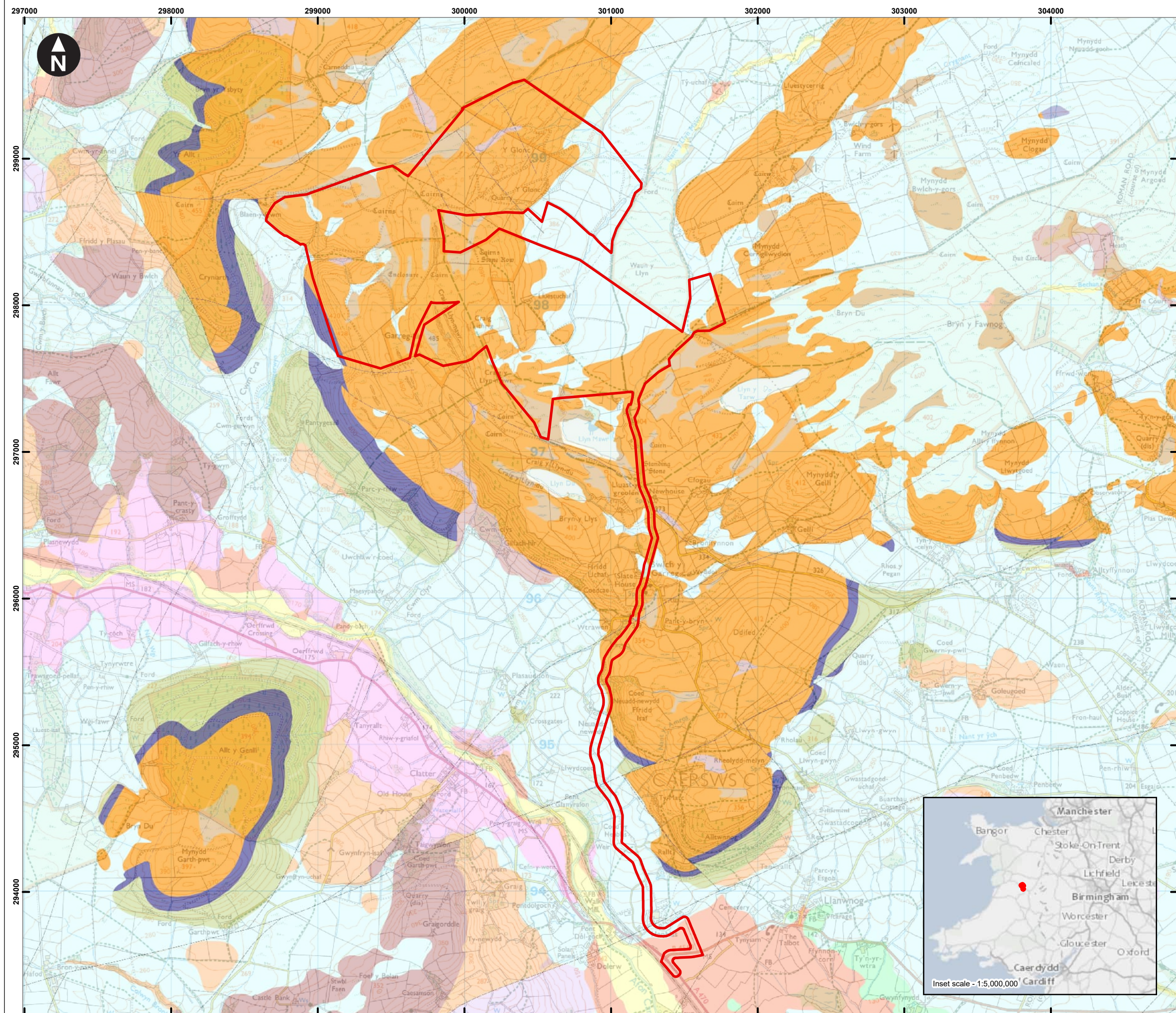
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Figure 9.1 Hydrological Features

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Key

Site boundary

Bedrock Geology

Caerau Mudstones Formation - Mudstone

Rhayader Mudstones Formation - Mudstone

Dolgau Mudstones Formation - Mudstone

Nant-Ysgollon Mudstones Formation - Mudstone

Glanrafon Formation (Upper Tongue) - Mudstone and Sandstone Interbedded

Pysgotwr Grits Formation - Sandstone and Mudstone

Penstrowed Grits Formation - Sandstone and Mudstone

Superficial Geology

Till Devensian - Diamicton

Alluvium - Clay, Silt, Sand and Gravel

Glacialfluvial Deposits, Devensian - Sand and Gravel

Peat

Alluvial Fan Deposits - Sand and Gravel

Linear Features

Fault, Inferred

0 200 400 600 800 1,000 m

Scale at A3: 1:25,000

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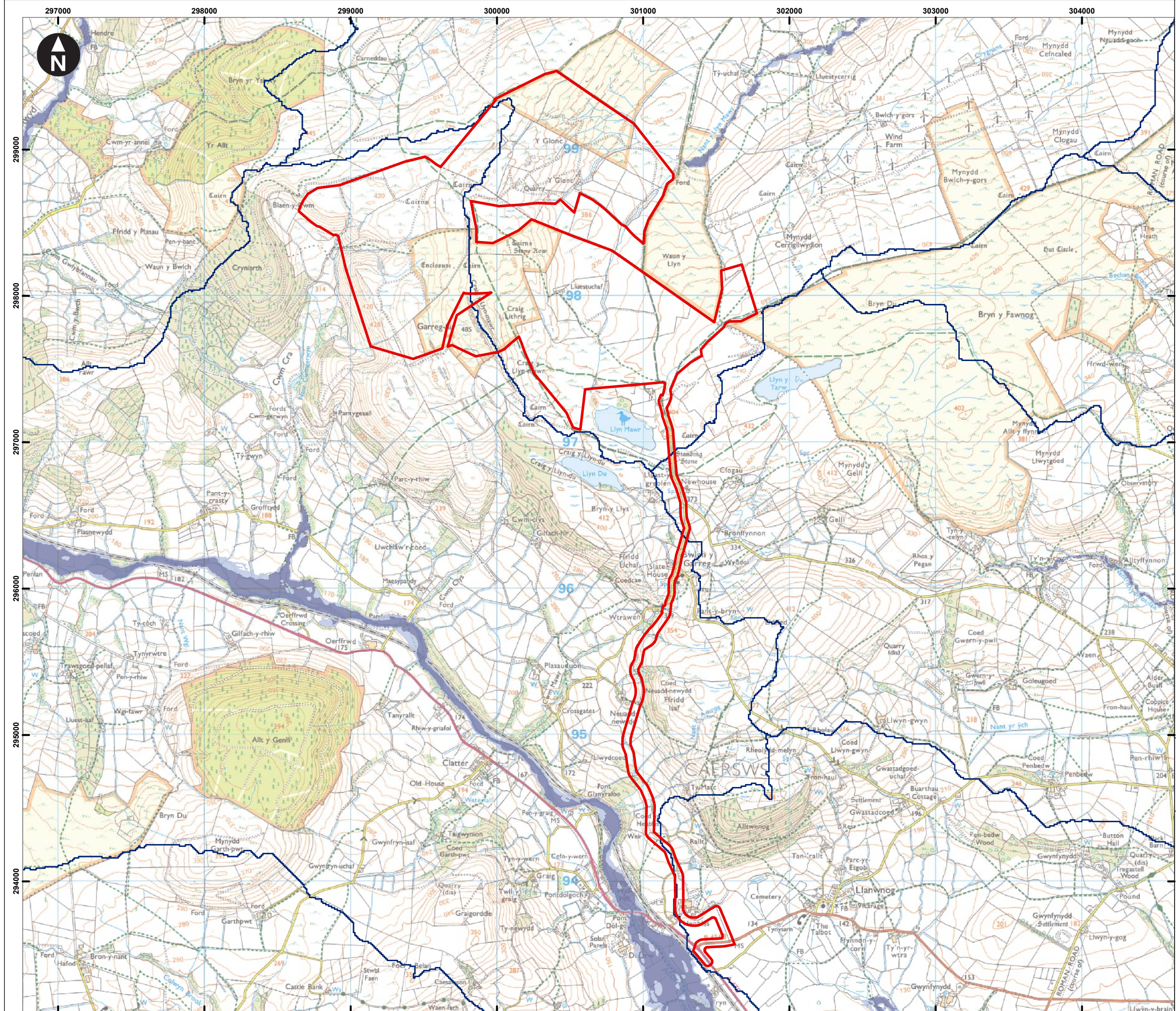
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Figure 9.2 Bedrock and Superficial Geology

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- Key
- Site boundary
 - WFD waterbody catchment boundary
 - Flood Zone 2
 - Flood Zone 3



0 200 400 600 800 1,000 m
Scale at A3: 1:25,000
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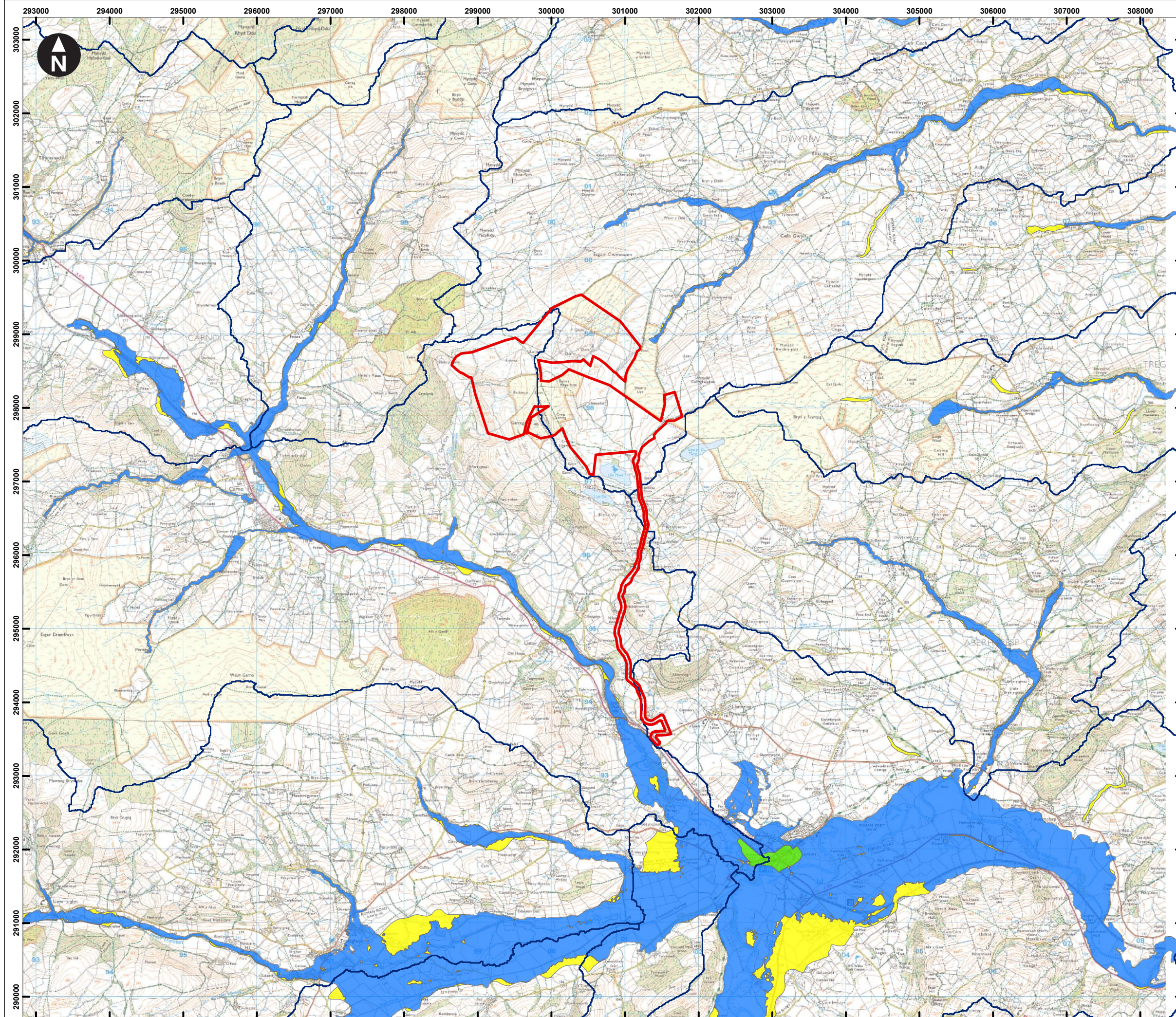
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Figure 9.3 NRW Flood Map for Planning

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- Key
- Site boundary
 - WFD waterbody catchment boundary
 - Development Advice Map (DAM) Zone b
 - Development Advice Map (DAM) Zone c1
 - Development Advice Map (DAM) Zone c2



0 500 1,000 1,500 2,000 m
Scale at A3: 1:50,000

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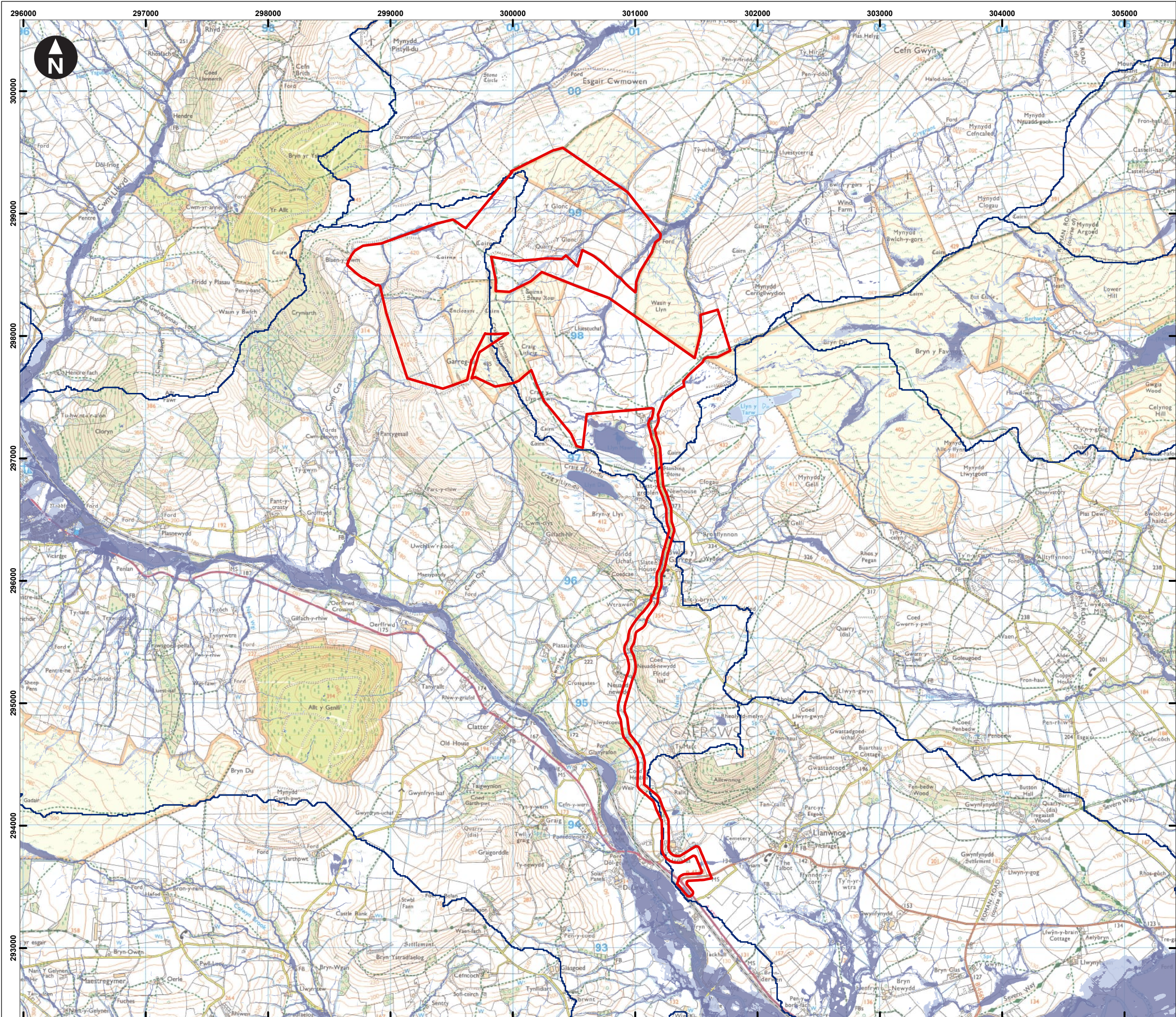
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Figure 9.4 NRW Flood Map for Development

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Key

Site boundary

WFD waterbody catchment boundary

Flood Zone 2

Flood Zone 3

Rivers with less than 1% (1 in 100) but greater than or equal to 0.1% (1 in 1,000) chance of happening in any given year, including an allowance for climate change.

The Sea with less than 0.5% (1 in 200) but greater than or equal to 0.1% (1 in 1,000) chance of flooding in any given year, including an allowance for climate change.

Surface water & small watercourses with less than 1% (1 in 100) but greater than or equal to 0.1% (1 in 1,000) chance of happening in any given year, including an allowance for climate change.

Rivers with a 1% (1 in 100) chance or greater of happening in any given year, including an allowance for climate change.

The sea with a 0.5% (1 in 200) chance or greater of happening in any given year, including an allowance for climate change.

Surface water & small watercourses with a 1% (1 in 100) chance or greater of happening in any given year, including an allowance for climate change.

Inset scale - 1:5,000,000

0 200 400 600 800 1,000 m

Scale at A3: 1:30,000

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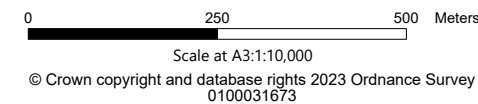
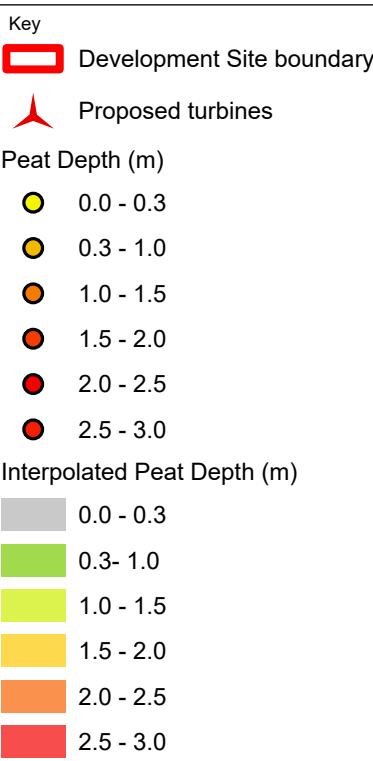
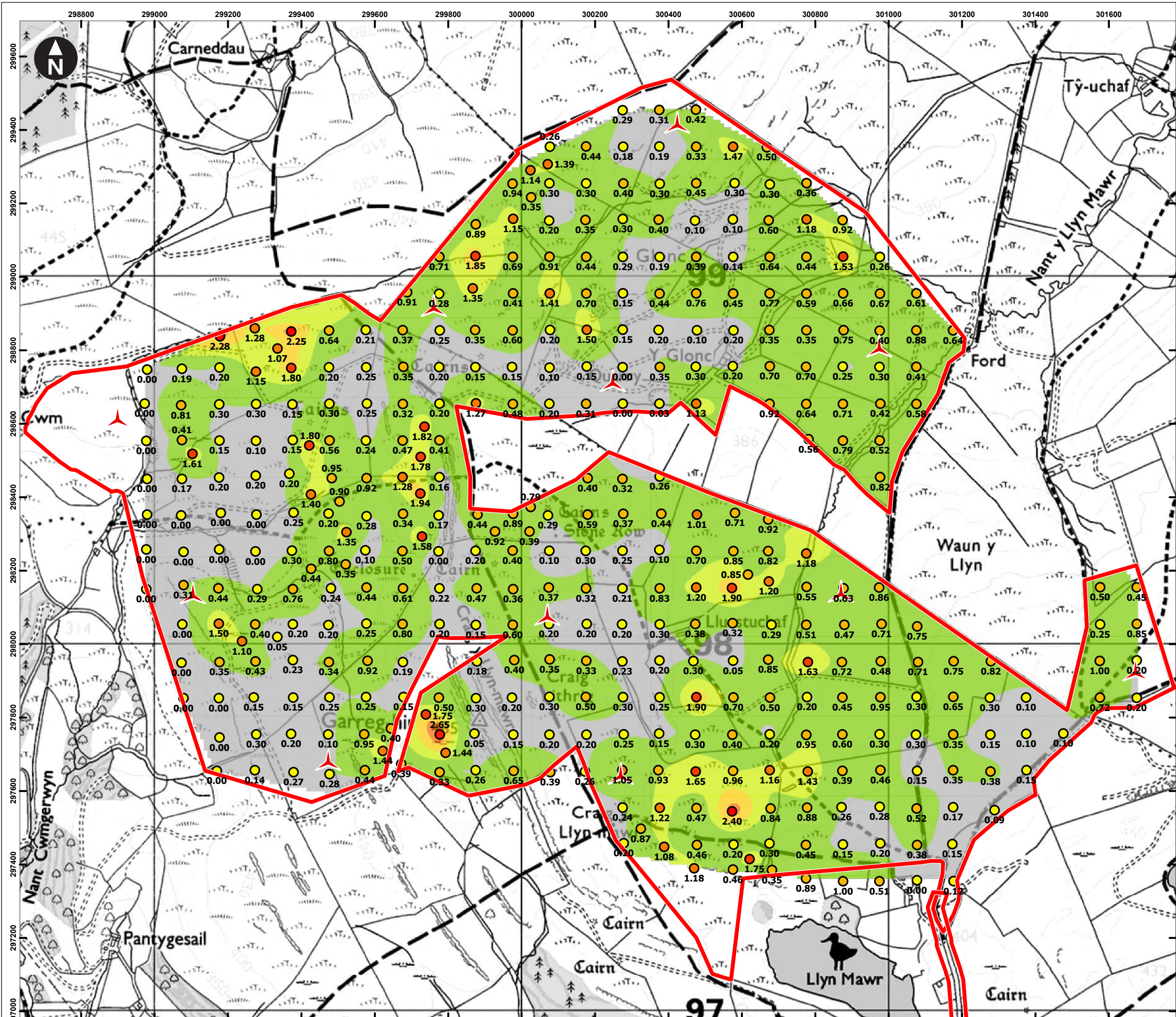
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Figure 9.5 NRW Surface Water Flooding

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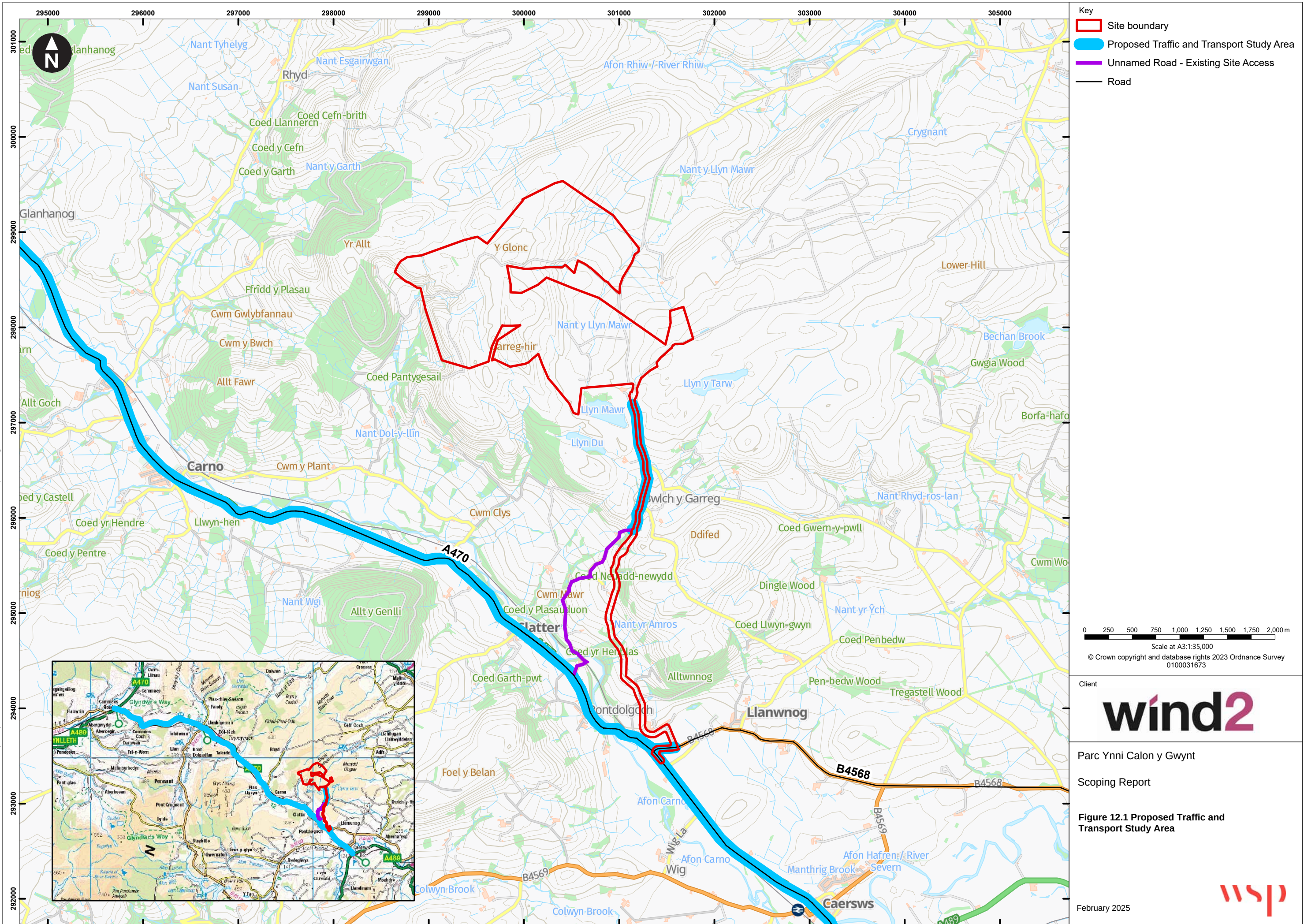
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Figure 10.1 Phase 1 Peat Depth Survey Results

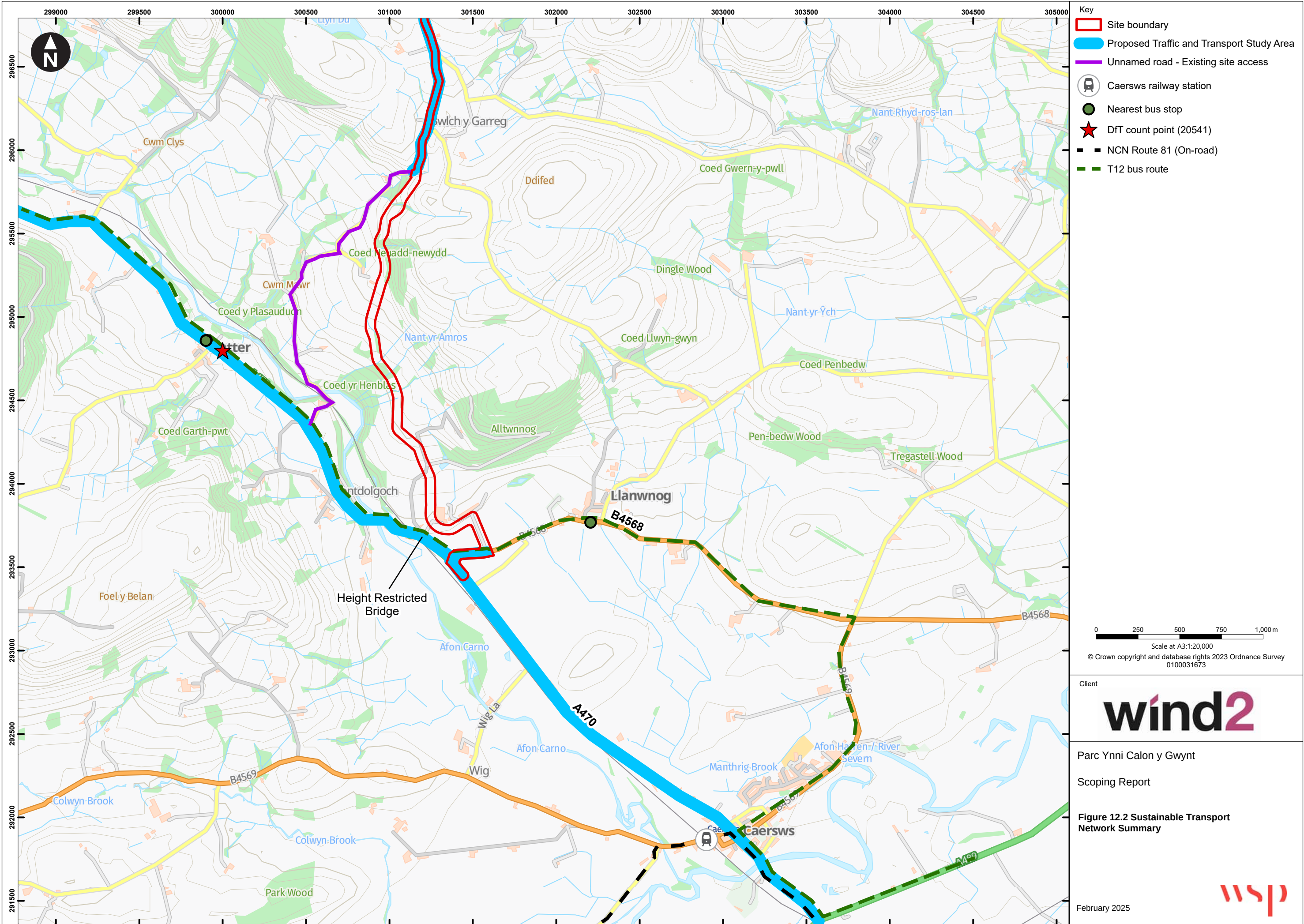
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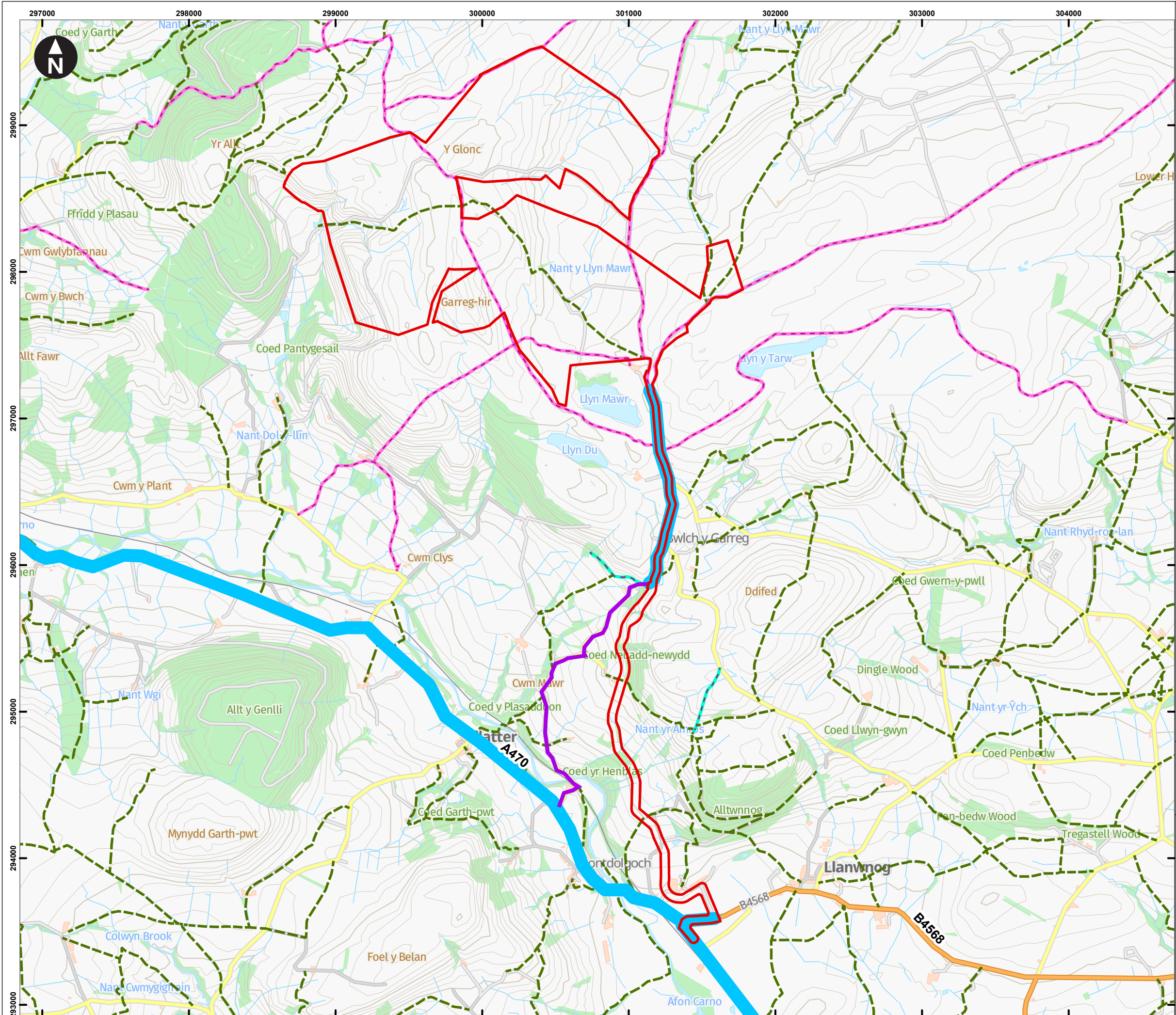
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Key

- Site boundary
- Proposed Traffic and Transport Study Area
- Unnamed road - Existing site access

Public Rights of Way (PRoW)

- Bridleway
- Footpath
- Restricted Byway

0 250 500 750 1,000 1,250 1,500 m

Scale at A3:1:25,000

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Figure 12.3 Public Rights of Way (PRoW) Network

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