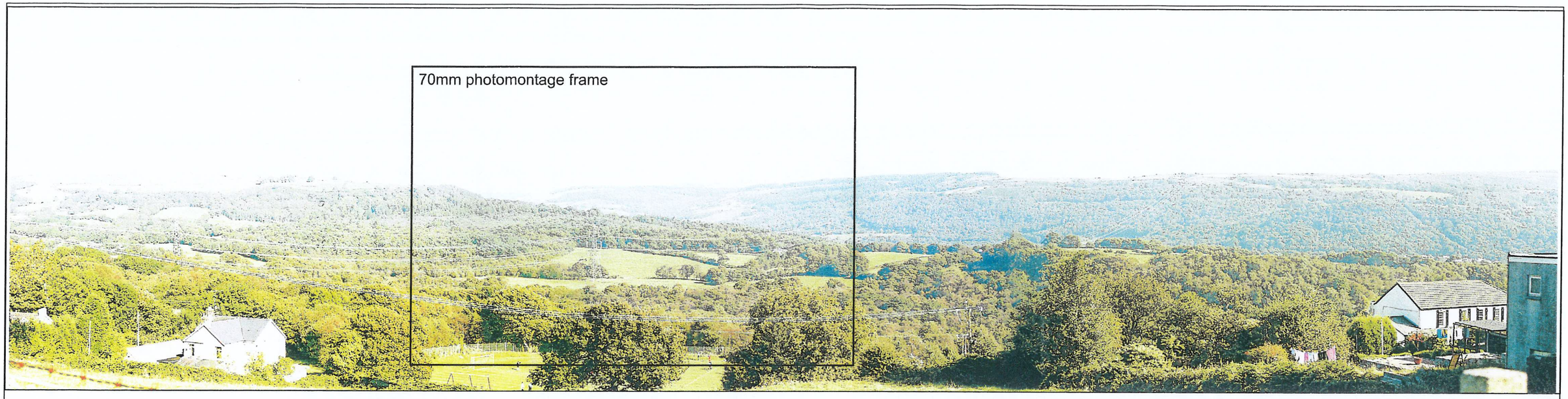
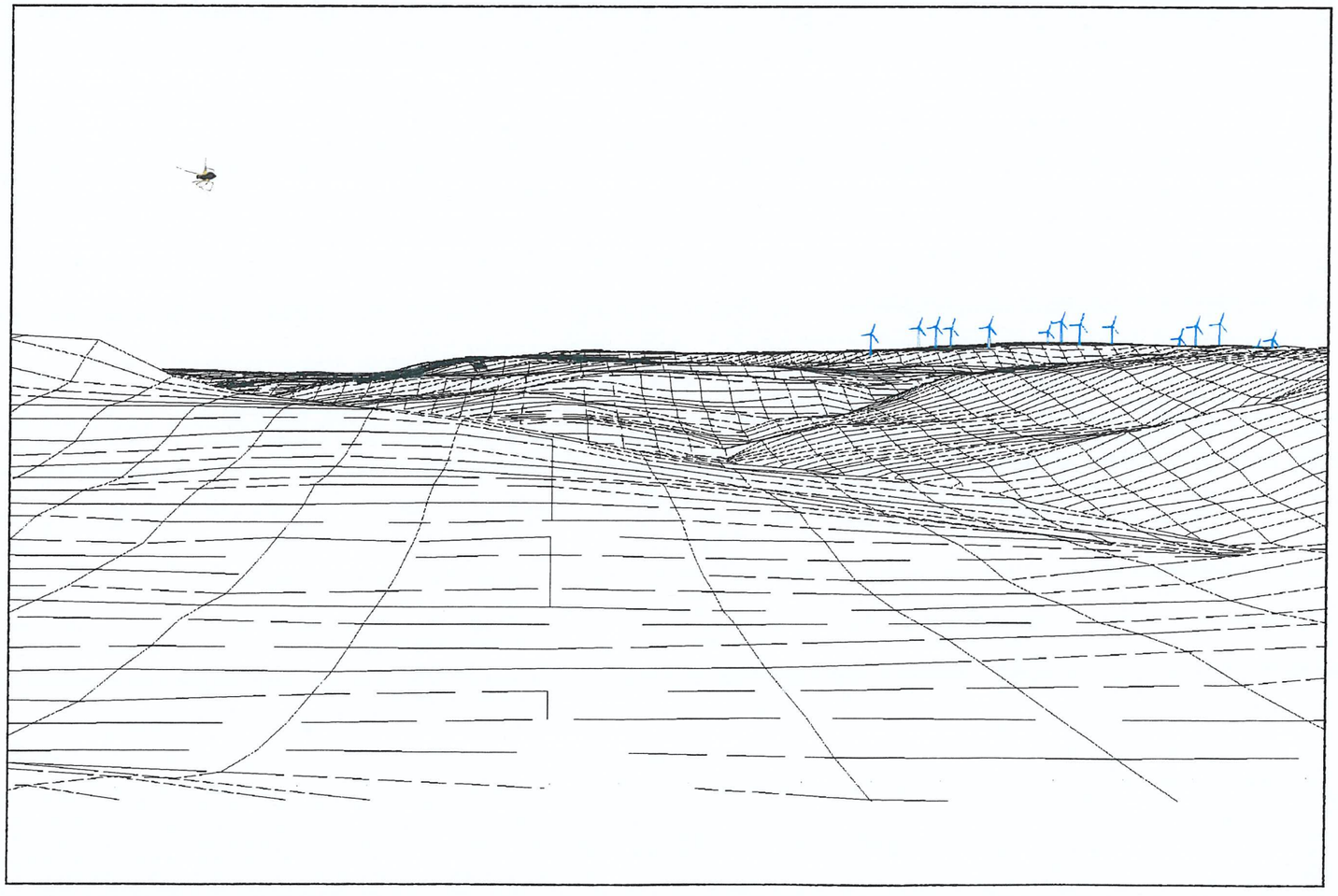


50mm Panorama view east south-east from eastern edge of Cilfrew



70mm Wireframe view east south-east from eastern edge of Cilfrew

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Environmental Assessment

Figure 9.13a & b
Existing Photoviewpoint 5 and Wireframe

October 2002
07568-S55a.cdr stepl

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70mm Photomontage view east south-east from eastern edge of Cilfrew

OS Grid Reference	277150,200449
Distance from Turbines	7.6km
Camera Height	1.52m Above Grade
Camera Lens	70mm
Viewing Distance	555mm

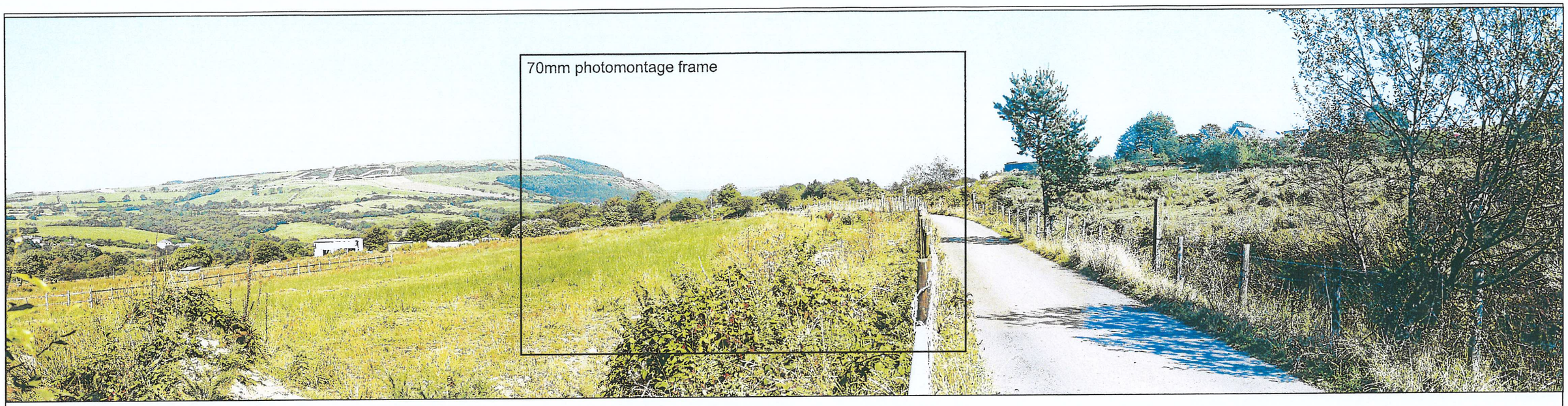
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Environmental Assessment

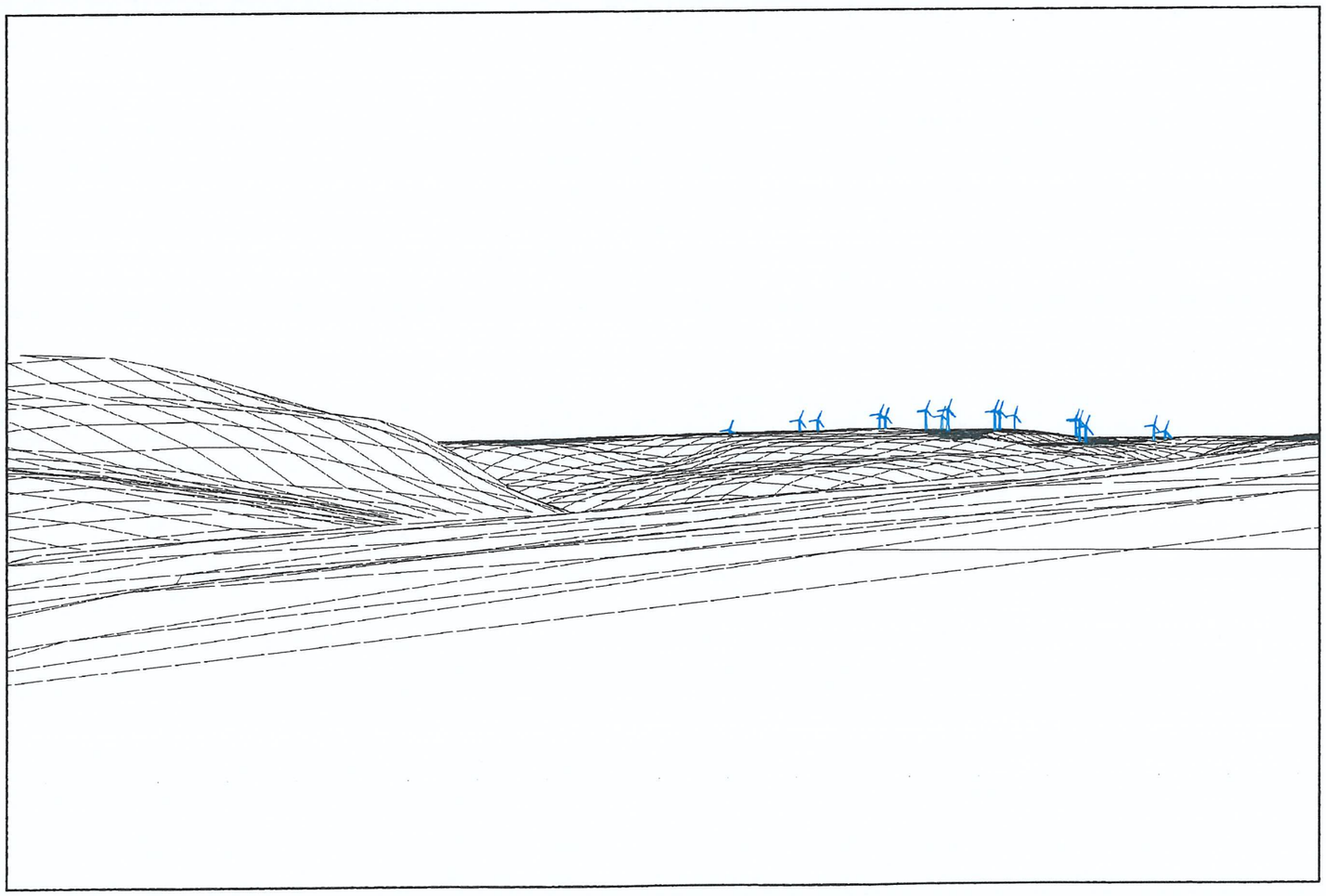
Figure 9.13c
Photomontage 5

October 2002
07568-S57a.cdr stept

Entec



50mm Panorama view east north-east from road near Hawdref-fawr



70mm Wireframe view east north-east from road near Hawdref-fawr

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Ffynnon Oer Windfarm
Environmental Assessment

Figure 9.14a & b
Existing Photoviewpoint 6 and Wireframe

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07568-S58a.cdr stept

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70mm Photomontage view east north-east from road near Hawdref-fawr

OS Grid Reference	277757,194992
Distance from Turbines	7.1km
Camera Height	1.52m Above Grade
Camera Lens	70mm
Viewing Distance	564mm

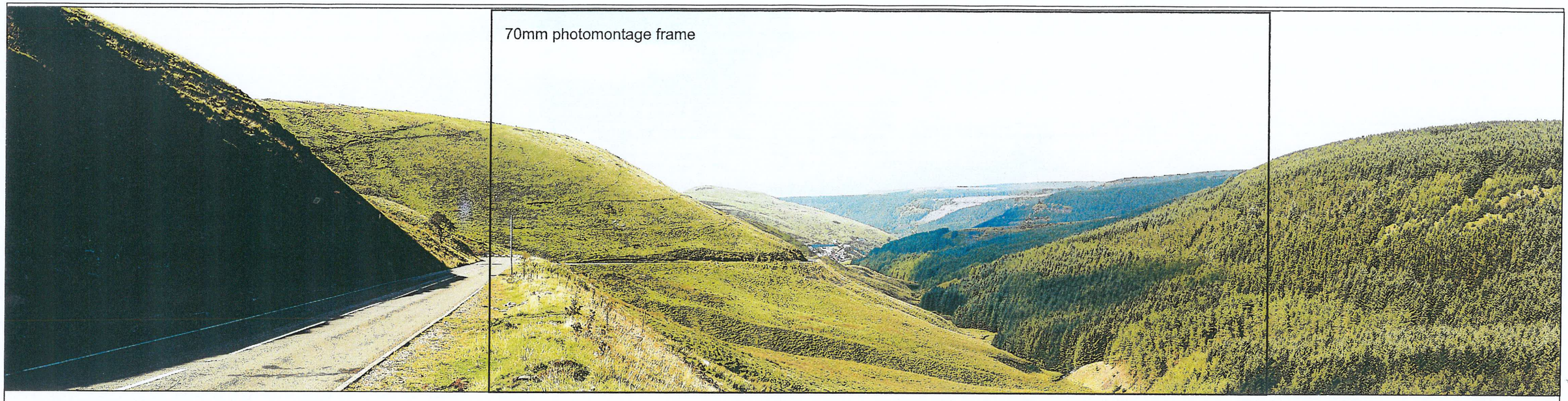
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Environmental Assessment

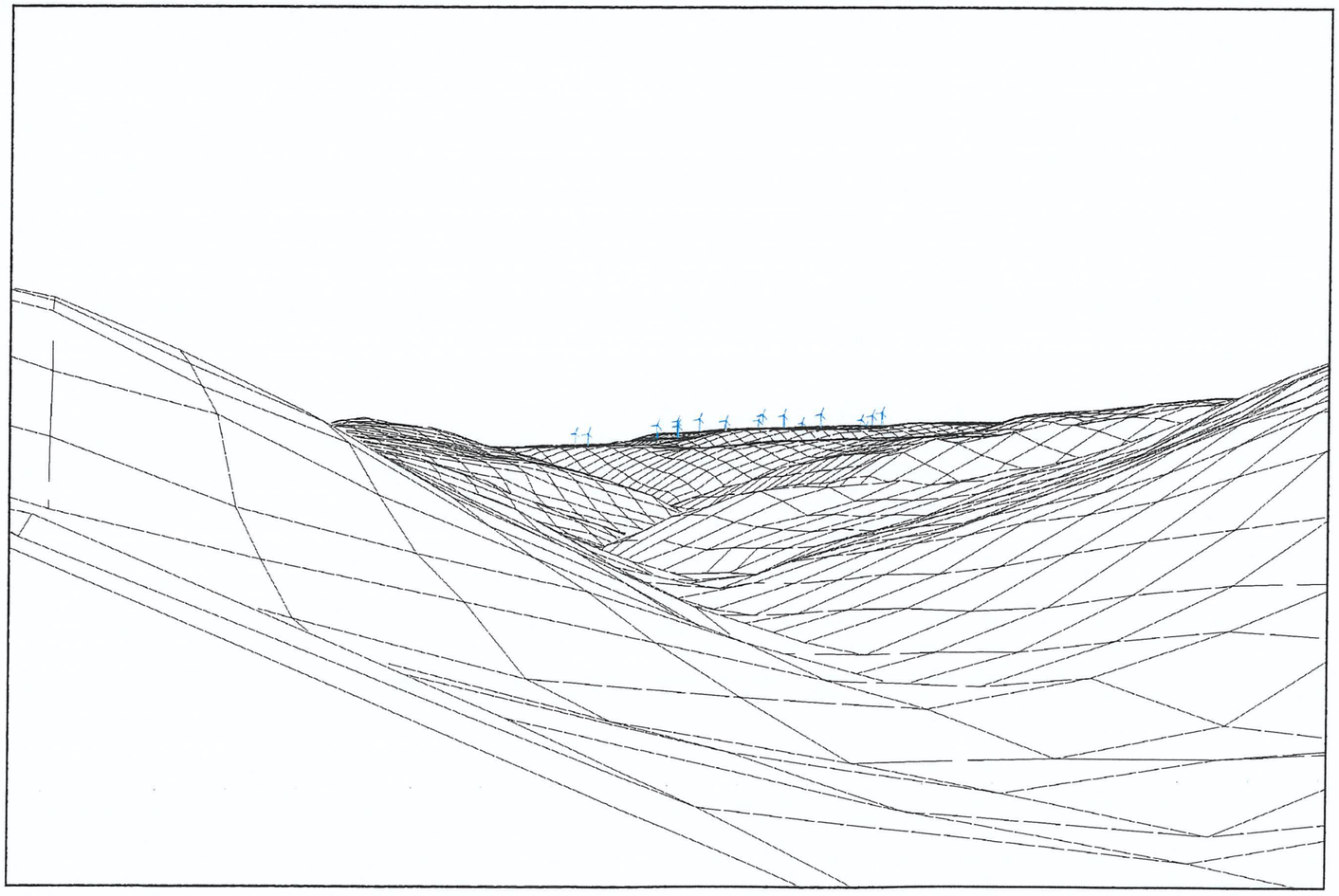
Figure 9.14 C
Photomontage 6

October 2002
07568-S60a.cdr stept

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50mm Panorama view north-west from A4107 running below Werfa



70mm Wireframe view north-west from A4107 running below Werfa

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Environmental Assessment

Figure 9.15a & b
Existing Photoviewpoint 7 and Wireframe

October 2002
07568-S61a.cdr stept

Entec



70mm Photomontage view north-west from A4107 running below Werfa

OS Grid Reference	291055,195653
Distance from Turbines	7.2km
Camera Height	1.52m Above Grade
Camera Lens	70mm
Viewing Distance	555mm

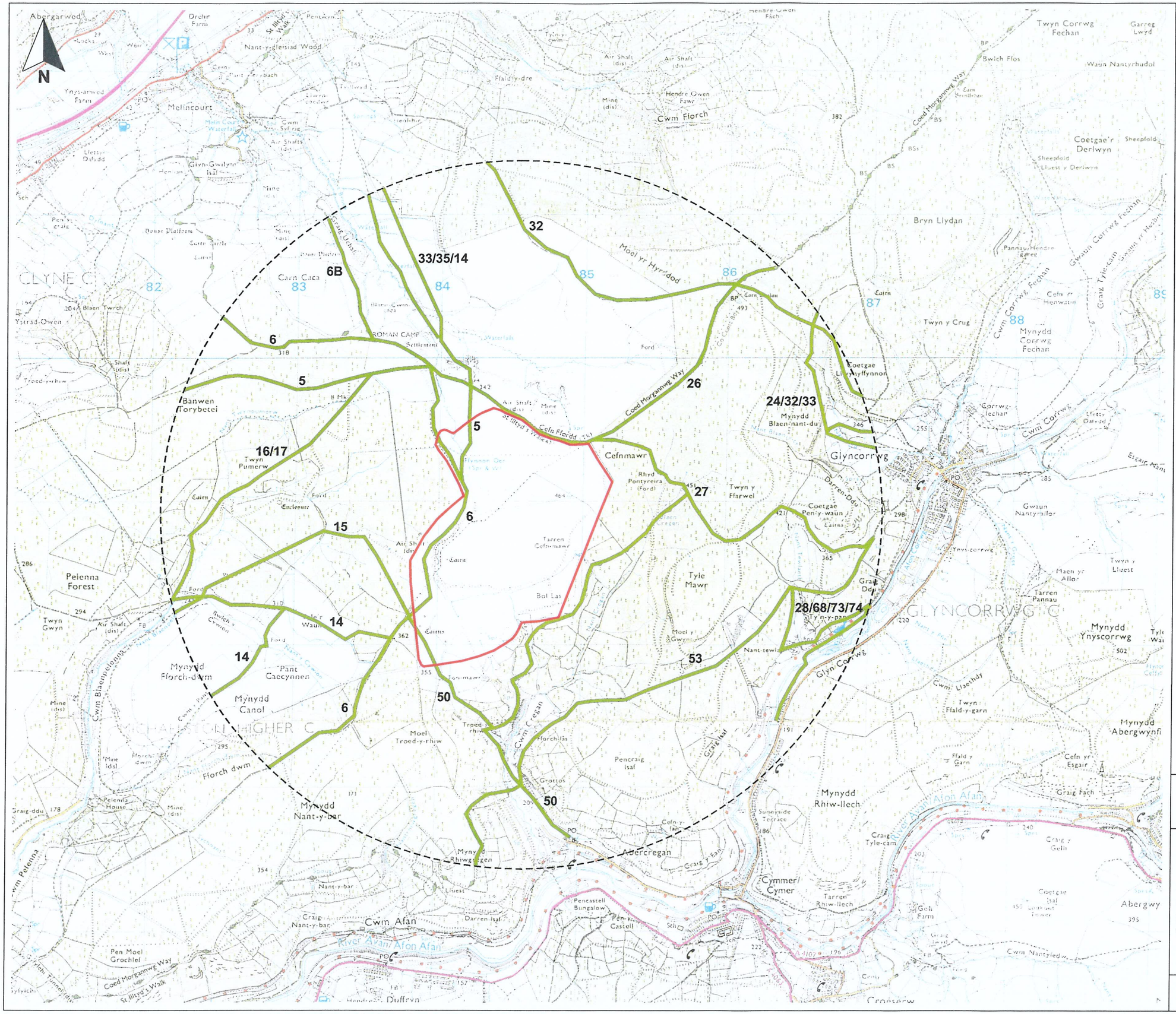
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Figure 9.15c
Photomontage 7

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07568-S63a.cdr stepl

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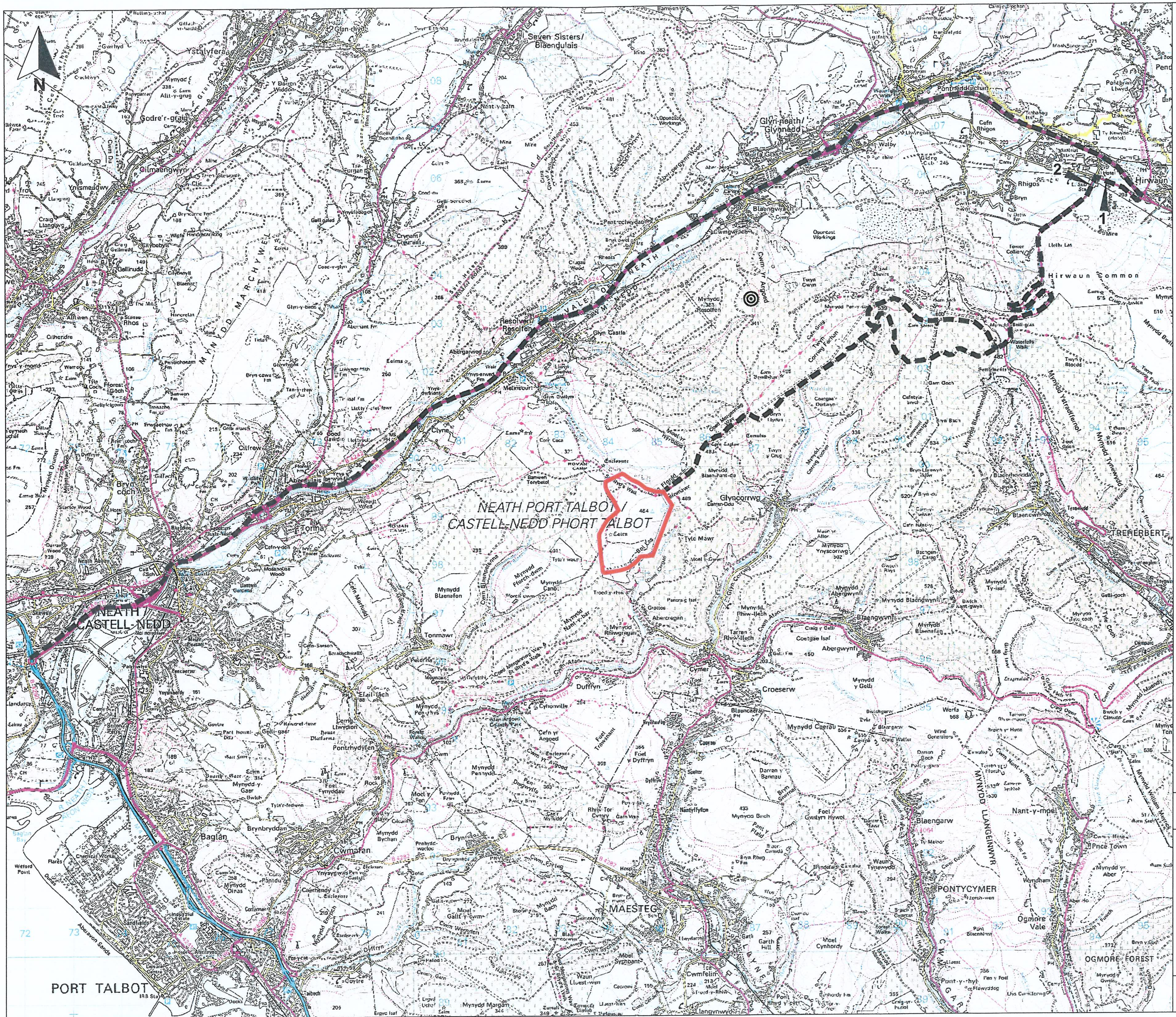
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Figure 10.1
Public Rights of Way on Definitive Map within 2 km of Windfarm Site

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07568-S65.cdr smitv

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Key

Application area

Proposed access route - construction and operation

Location of traffic count
1. A4051 East
2. A4051 West

Opencast (source of roadstone)

0 km 4 km

Scale 1:75,000 @ A3

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Figure 11.1
Access Route

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MELIN COURT C (CYMUNED CLUN A MELINCWRT)

N

Carn Caca

83 84 85 86

90 99 98 97

ROMAN CAMP

Banwen Torybetel

Twyn Pumerw

Cefn Mawr

Mynydd Blaen-nant-du

Rhyd Ponyreira

Twyn y Planwr

Bwlch y Cywion

Tyle'r Waun

Mynydd Fforch-dwm

Pant Caecynnen

Mynydd Canol

Troed y Rhiw

Cwm Cregan

Pencraig Isaf

Fforch Dwm

Mynydd Nant-y-bar

Mynydd Rhiwgregan

Prossers Terrace

Abercregan

Tyle Mawr

GLYNC

Cwmmer

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Substation

Key

- Application area
- Location of wind turbine
- Access track
- Noise monitoring location

0 m 800 m

Scale 1:15,000 @ A3

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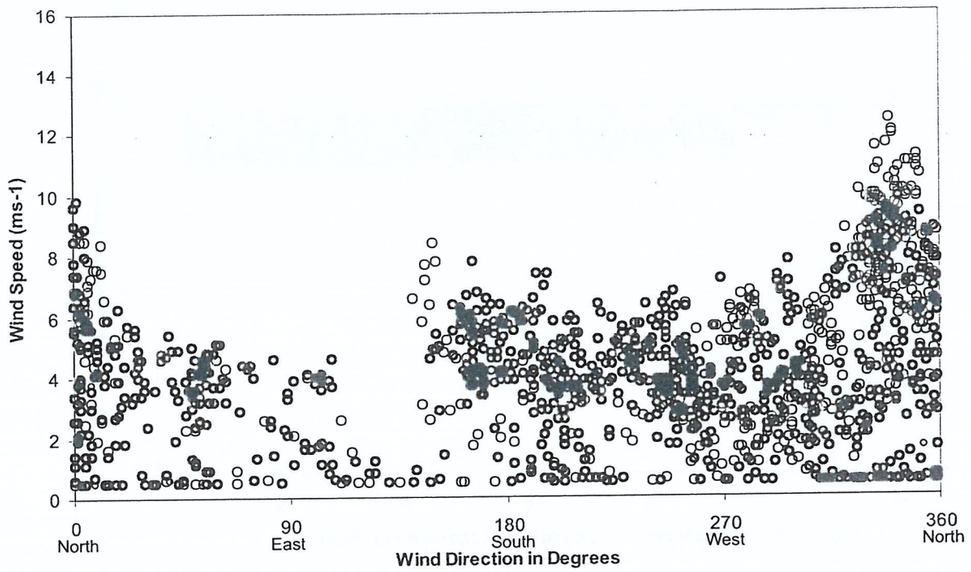
Figure 12.1
Noise Monitoring Locations

October 2002
07568-S69.dwg parkj

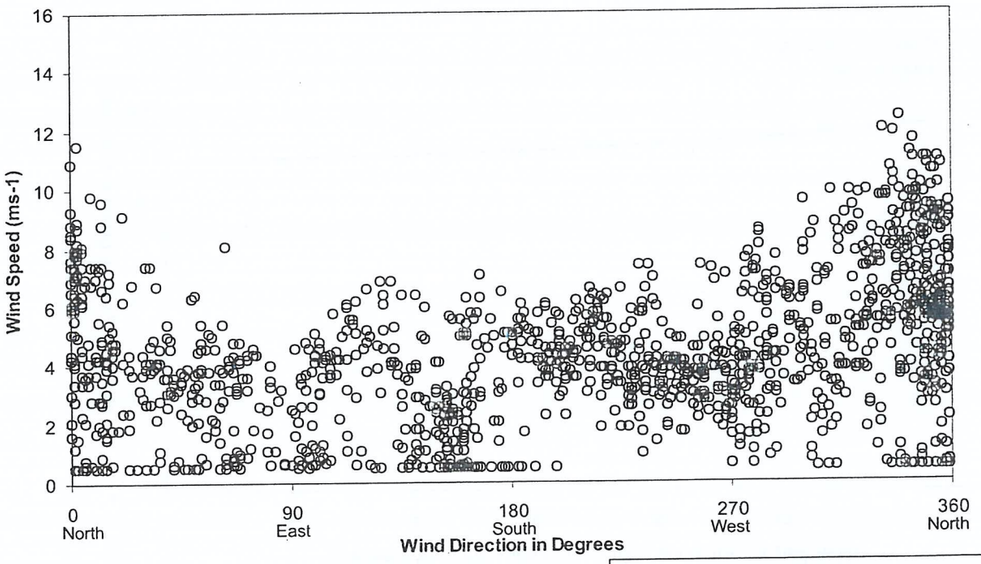
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a) Range of Wind Conditions during the Quiet Daytime Survey Periods



b) Range of Wind Conditions during the Nighttime Survey Periods



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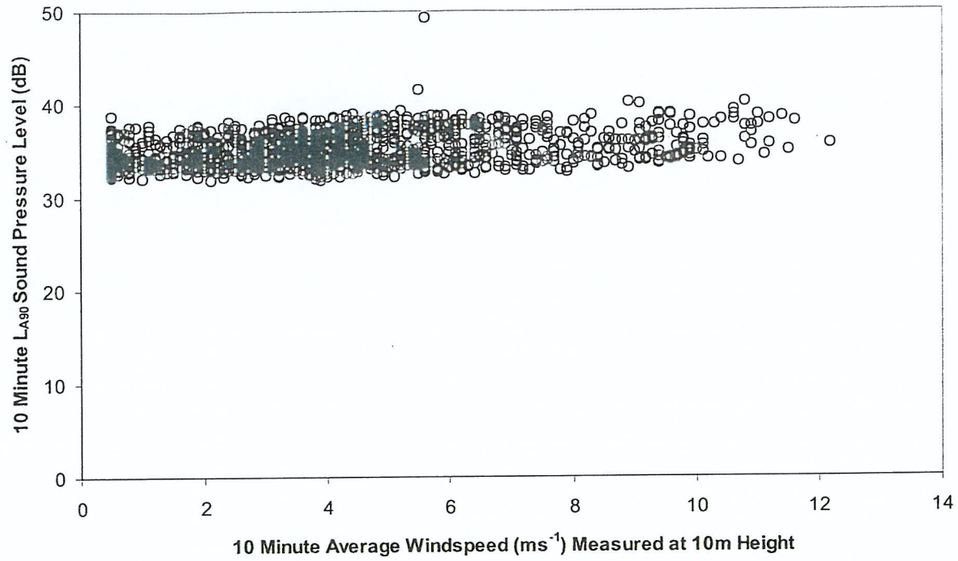
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Figure 12.2
Range of Wind Conditions During the Survey Periods

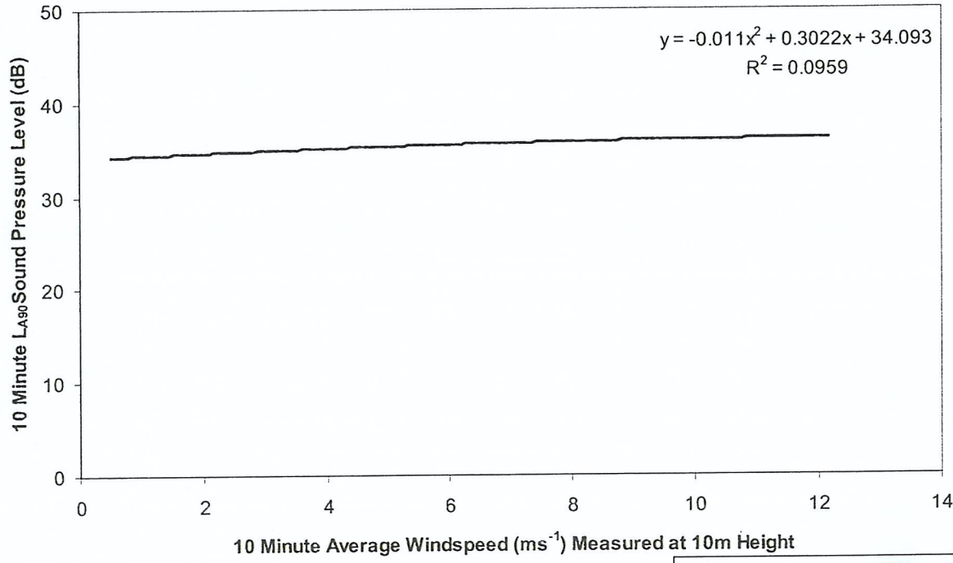
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b) Night-time Background $L_{A90,\ 10\ min}$ Noise Levels as a Function of 10m Height Windspeed - Troed-y-Rhiw



b) Night-time Background $L_{A90,\ 10\ min}$ Noise Levels as a Function of 10m Height Windspeed - Troed-y-Rhiw (Line of Best Fit)



NATIONAL WIND POWER

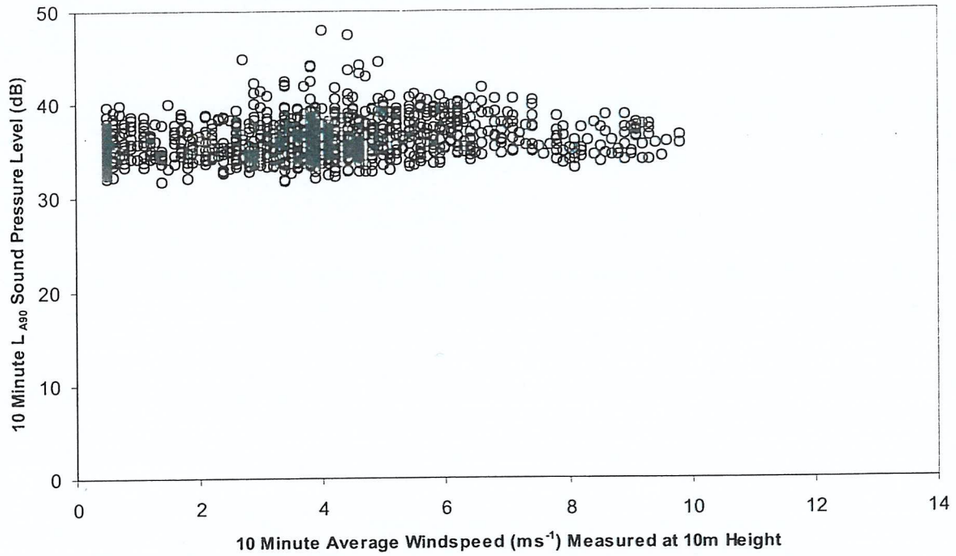
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Environmental Assessment

Figure 12.3
Background $L_{A90,\ 10\ min}$ Noise Levels as a Function of 10m Height Windspeed - Troed y Rhiw

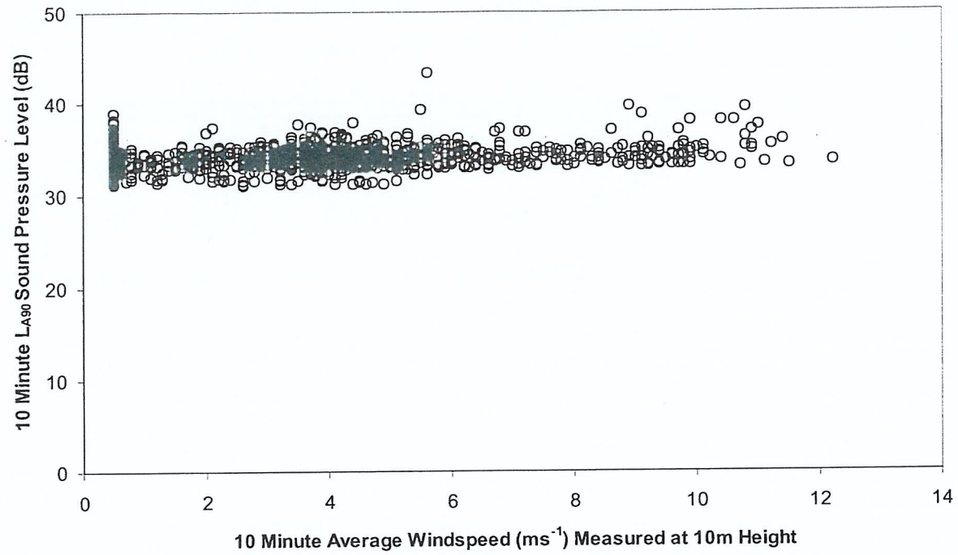
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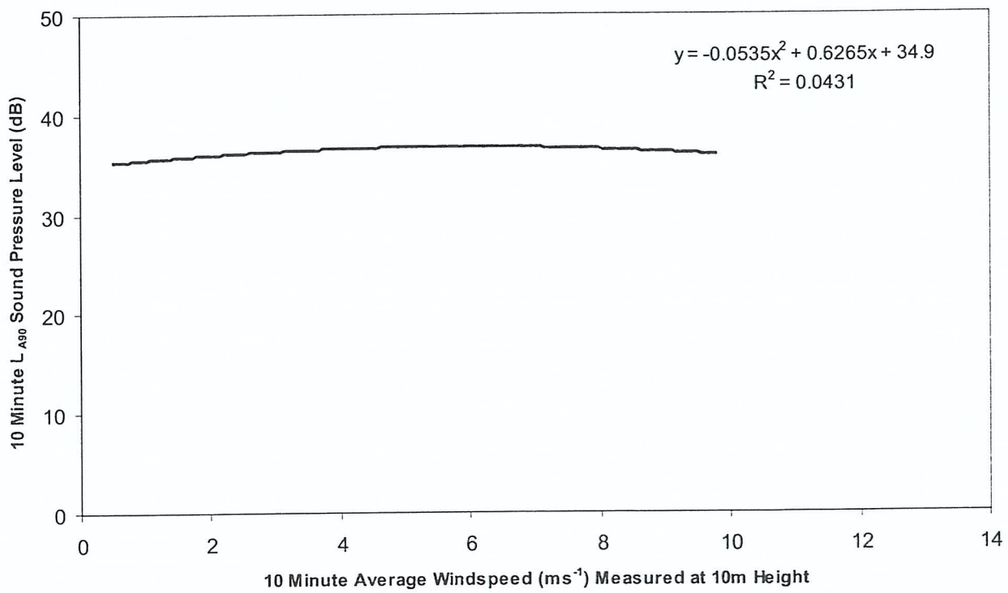
a) Quiet Daytime Background $L_{A90,\ 10\ min}$ Noise Levels as a Function of 10m Height Windspeed - No 24 Prossers Terrace



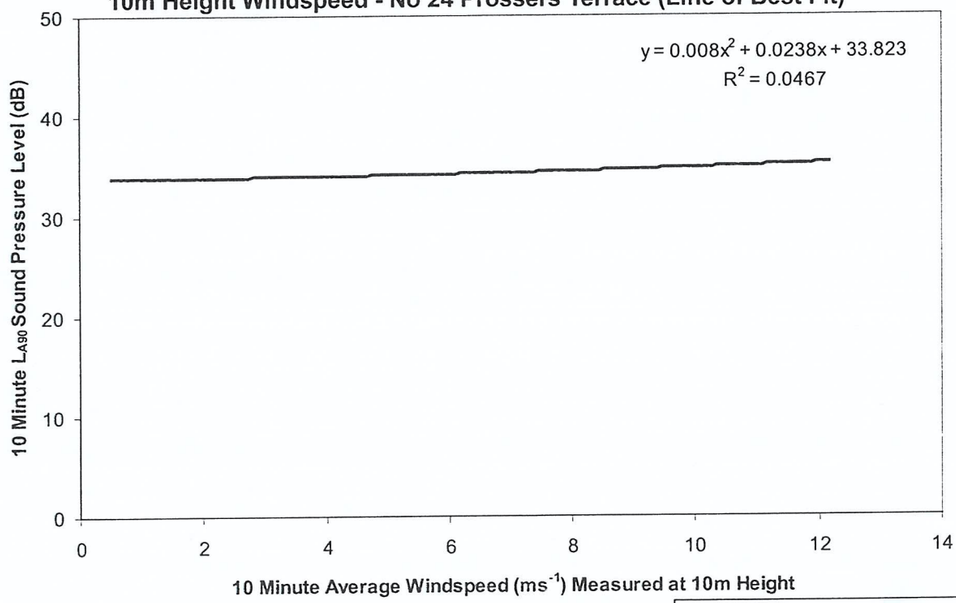
b) Night-time Background $L_{A90,\ 10\ min}$ Noise Levels as a Function of 10m Height Windspeed - No 24 Prossers Terrace



a) Quiet Daytime Background $L_{A90,\ 10\ min}$ Noise Levels as a Function of 10m Height Windspeed - No 24 Prossers Terrace (Line of Best Fit)



b) Night-time Background $L_{A90,\ 10\ min}$ Noise Levels as a Function of 10m Height Windspeed - No 24 Prossers Terrace (Line of Best Fit)



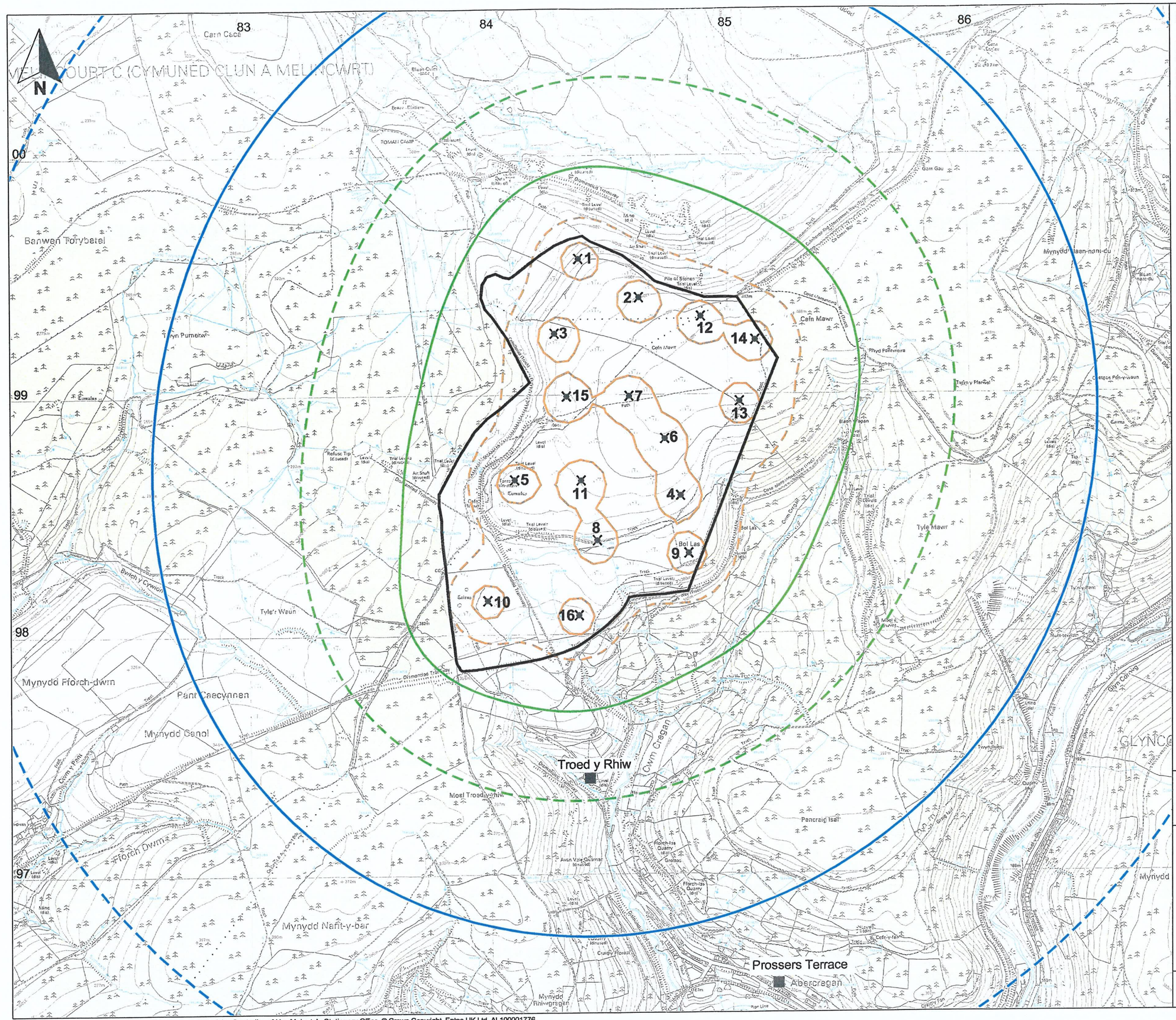
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Environmental Assessment

Figure 12.4
Background $L_{A90,\ 10\ min}$ Noise Levels as a Function of 10m Height Windspeed - No 24 Prossers Terrace

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Key

- Application area
- Location of wind turbine
- Noise monitoring location

Noise Level (dB[A]):

- 25
- 30
- 35
- 40
- 45
- 50

0 m — 800 m

Scale 1:15,000 @ A3

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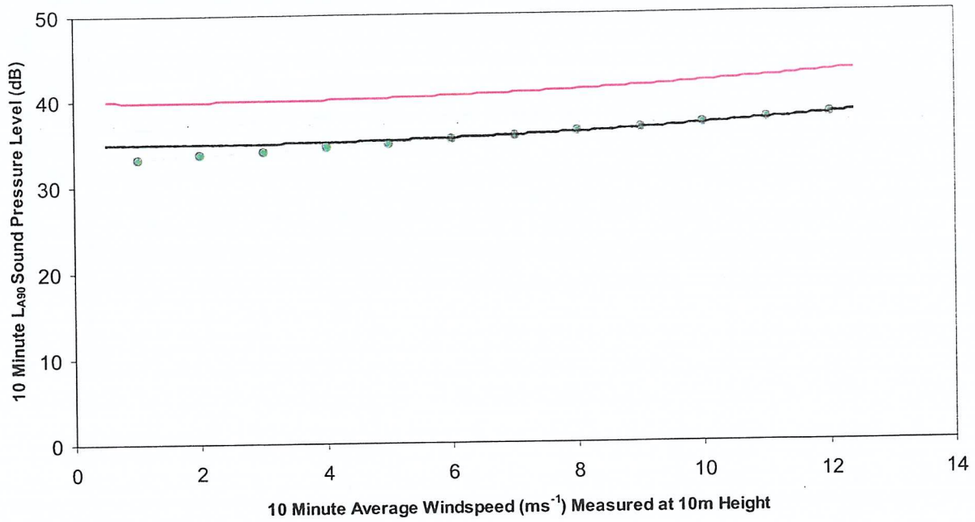
Figure 12.5
L_{A90} Isobel Contour

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07568-S70.dwg parkj

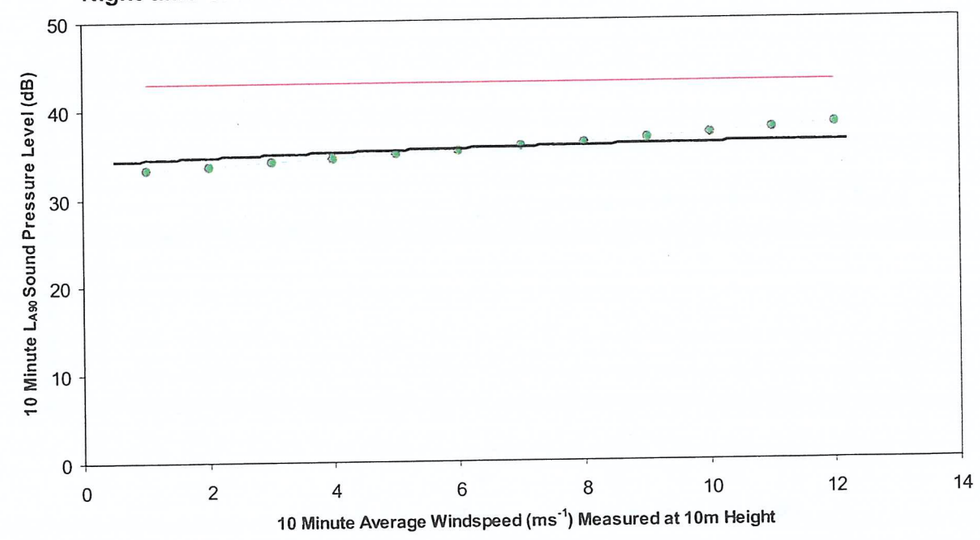
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a) Troed y Rhiw - Quiet Daytime Comparison of Windfarm Noise Levels and the Daytime Criterion Curve



b) Troed y Rhiw - Quiet Night-time Comparison of Windfarm Noise Levels and the Night-time Criterion Curve



Key

- Measured Background (Daytime or Night-time)
- Criterion Curve (Daytime or Night-time)
- Windfarm Noise Emission

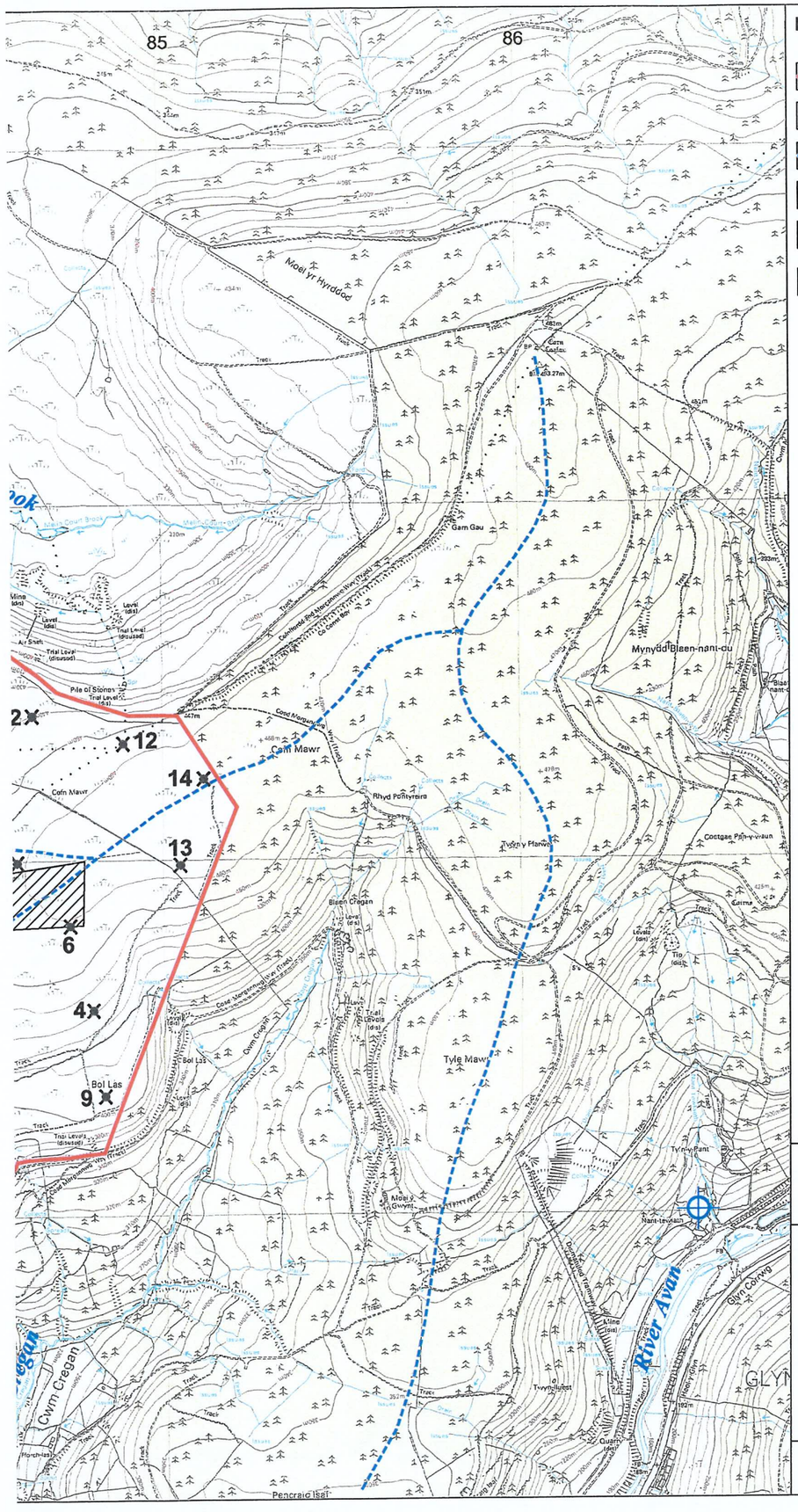
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Environmental Assessment

Figure 12.6
Background $L_{A90, 10\ min}$ Noise Levels as a Function of 10m Height Windspeed and Comparison of Windfarm Noise Levels- Troed y Rhiw

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Key

- Application area
- Location of wind turbine
- Catchment boundary
- Sheep dip disposal area
- Private water abstraction
- Environment Agency water quality monitoring point

0 m 800 m
Scale 1:15,000 @ A3

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Ffynnon Oer Windfarm
Environmental Assessment

Figure 13.1
Baseline Hydrology

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07568-S14a.dwg parkj

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Key

- Application area
- Location of wind turbine
- Survey site boundary
- B1.1 Unimproved acid grassland
- SI B1.2 Semi-improved acid grassland
- SI B6 Species-poor grassland
- B5 Marshy grassland
- E1.7 Wet modified blanket bog
- E2.1 Acid flush
- ⑤ Target note

0 m — 800 m

Scale 1:15,000 @ A3

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Figure 15.1
Phase 1 Habitat Survey

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Key

- Application area
- Location of wind turbine
- Survey site boundary
- MP — Meadow Pipit territory
- PW — Pied Wagtail territory
- RK — Reed Bunting territory
- S — Skylark territory
- SC — Stonechat territory
- W — Wheatear territory
- RK - - - RK — Red Kite flight path

0 m — 800 m

Scale 1:15,000 @ A3

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Figure 15.2
Breeding Bird Survey Map

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