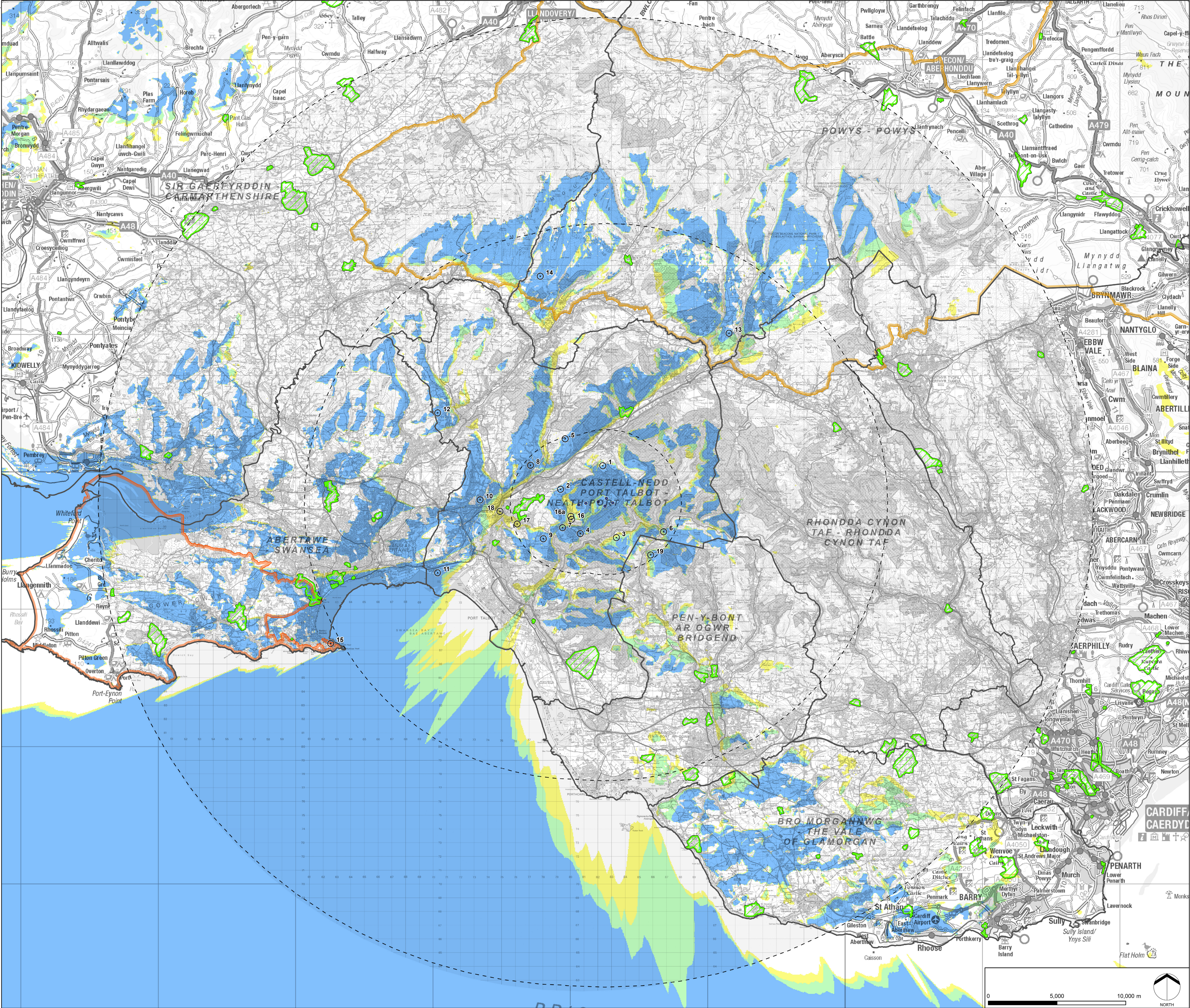




MYNYDD FFORCH DWM

FIGURE 7.5

Zone of Theoretical Visibility for Proposed Layout (Bare Earth)

KEY

- Proposed Mynydd Fforch Dwm Wind Turbines
- Distance radii from outermost turbine: 5, 20, 35km
- Viewpoints
- Local Authority Boundary

National Landscape Designations

- Brecon Beacons National Park
- Gower AONB
- Parks and Gardens-Wal

Zone of Theoretical Visibility to Blade Tip

- 1 - 2 turbines may be visible
- 3 - 4 turbines may be visible
- 5 - 6 turbines may be visible

FIGURE DATA:
This figure has been based on the following data:

Layout file: D006-obvs-turbines-BT-T5-5km;
D006-obvs-turbines-BT-T50-35km
Terrain data: T5-DTM-5km-patched.asc; T50-DTM.asc
Viewer's eye height: 2m above ground level
Calculation grid size: 5m (to 5km from turbines) / 50m (beyond)

NOTES:
This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed routine in the Visibility Analysis plugin for QGIS.

The areas shown are the maximum theoretical visibility, taking topography into account.

This visibility map is based on a 'bare earth' model of the landform and does not show any effects of screening from obstacles such as buildings and vegetation.

The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a DTM and has a 5m2 / 50m2 resolution.

Projected Coordinate System: British National Grid

DATE	BY	PAPER	SCALE	QA	REV
MAY 2023	MP	A1	1:130,000	MF	A