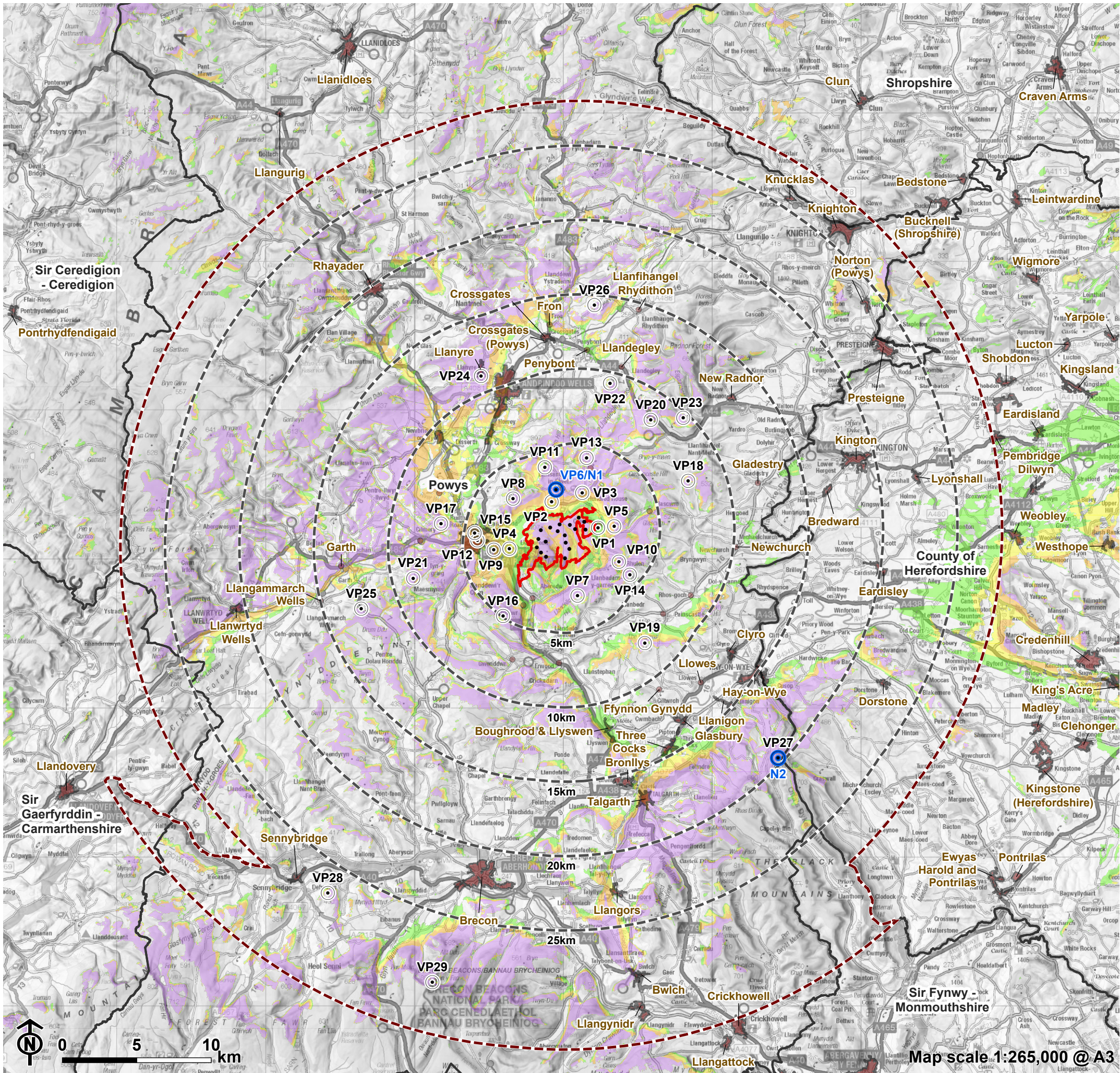




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Figure 5.14a: Blade Tip Height (200m) Zone of Theoretical Visibility within Full Study Area - Settlements/Local Communities

- LVIA Study Area
- Application boundary
- Turbine
- Turbine buffers - 5km interval
- Local authority boundary
- Local Communities
- Background ZTV to Tip Height (200m)**
 - 1-5 Turbines visible
 - 6-10 Turbines visible
 - 11-15 Turbines visible
 - 17 - 18 Turbines visible
- Day-time Viewpoint
- Night-time Viewpoint

*For viewpoint names please see Figure 5.4a/b

Notes

The study area within the BBNP extends to 33 km so that the summits of Pen y Fan, Corn Du, Cribyn and Fan y Big are considered in the LVIA, as requested by NRW.

For legibility, local communities are not labelled up to the 10km turbine buffer on the plan but are instead labelled on Figure 5.14b.

The ZTV is calculated to turbine tip height (200m) from a viewing height of 2m above ground level. The terrain model assumes bare ground and is derived from 1m LiDAR height data (obtained from the Welsh Government and Environment Agency in September 2024). Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.4.0 software.

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Map scale 1:265,000 @ A3