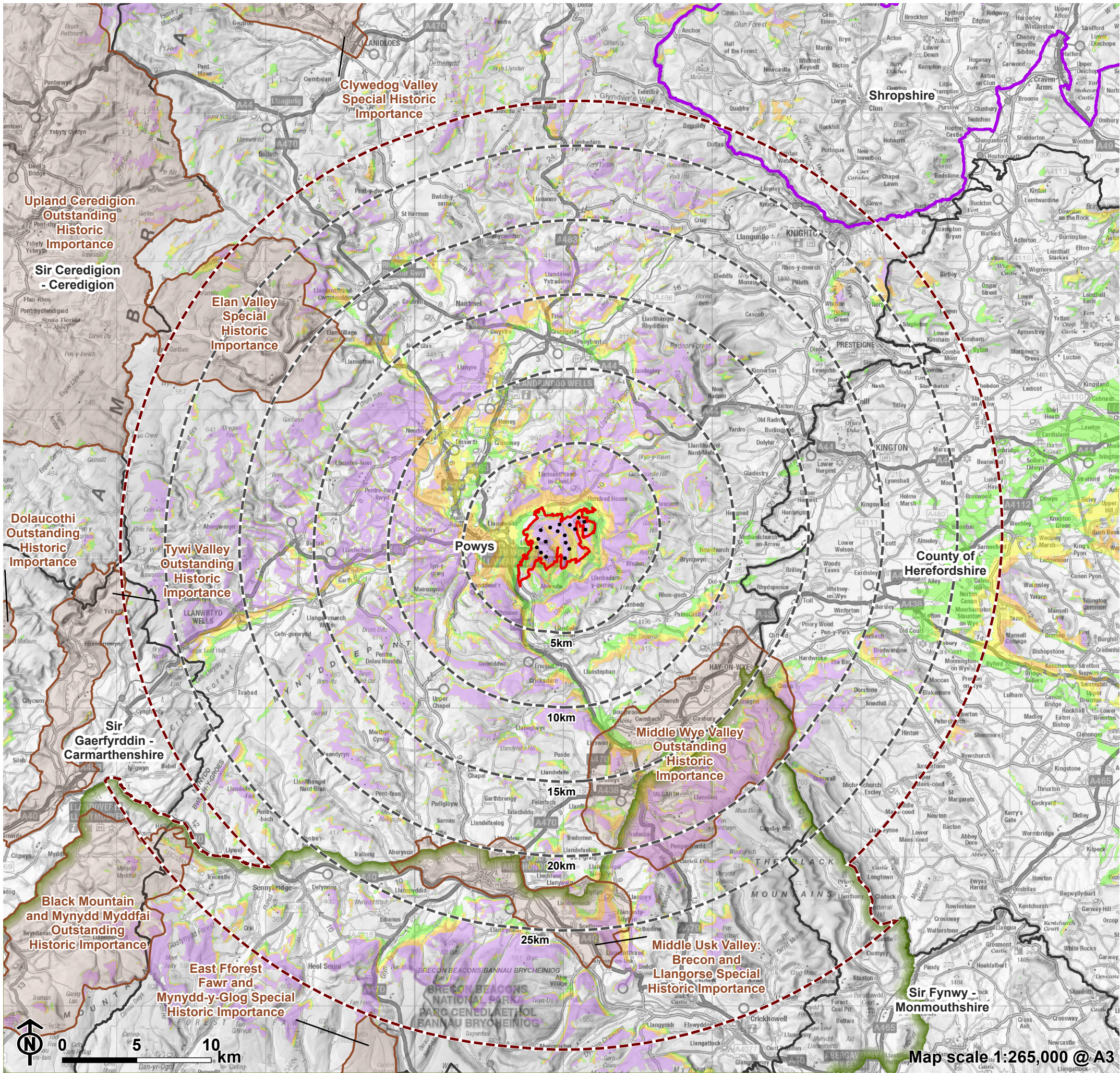




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Figure 5.12b: Designated Landscapes and Blade Tip Height Zone of Theoretical Visibility

- LVIA Study Area
- Application boundary
- Turbine
- Turbine buffers - 5km interval
- Local authority boundary
- Shropshire Hills National Landscape
- Bannau Brycheiniog / Brecon Beacons National Park
- Historic Landscape

Background ZTV to Tip Height (200m)

- 1-5 Turbines visible
- 6-10 Turbines visible
- 11-15 Turbines visible
- 17 - 18 Turbines visible

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.

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