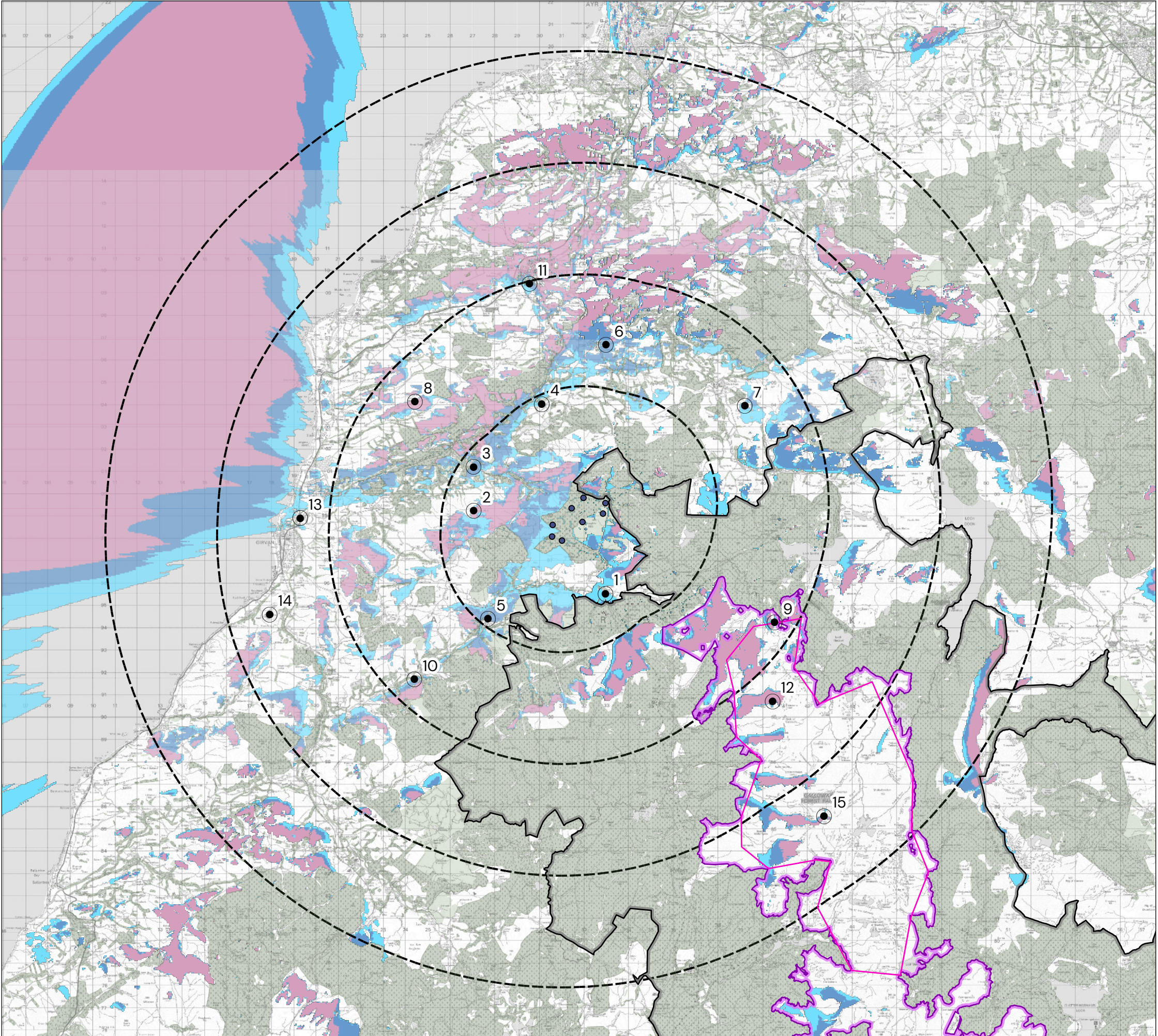


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KEY

- Proposed Lit Wind Turbines
- Distance Radii from Turbines (5km, 10km, 15km, 20km)
- OS Local Woodland
- Viewpoint Location
- Zone of Theoretical Visibility to Hub Height (122.5m)
 - 1-3 turbines may be visible
 - 4-6 turbines may be visible
 - 7-8 turbines may be visible
- Galloway Dark Skies Park – Core Area
- Galloway Dark Skies Park – Park Boundary
- Merrick Wild Land Area

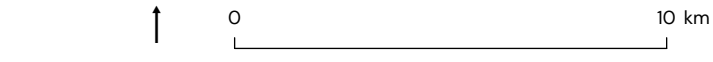
Screened ZTV Production Information –
– DTM data used in calculations is OS Terrain 5 that has been combined with OS Open Map Local data for woodland and buildings to create a Digital Surface Model (DSM).

- Indicative woodland and building heights are modelled at 15m and 8m respectively.
- Viewer height set at 1.7m (in accordance with para 6.11 of GLVIA Third Edition)
- Calculations include earth curvature and light refraction

N.B. This Zone of Theoretical Visibility (ZTV) image illustrates the theoretical extent of where the proposed development may be visible from, assuming 100% atmospheric visibility, and includes the screening effect from vegetation and buildings, based on the assumptions stated above.

ZONE OF THEORETICAL VISIBILITY –
VISIBLE AVIATION LIGHTING

CRAIGINMODDIE WIND FARM



DATE	SCALE	TEAM	APPROVED
03/03/2023	1:175,000@A3	CS	DT
SHEET	REVISION		
-	-		
DRAWING NUMBER			
P22-2271_EN_01 SZTV			

