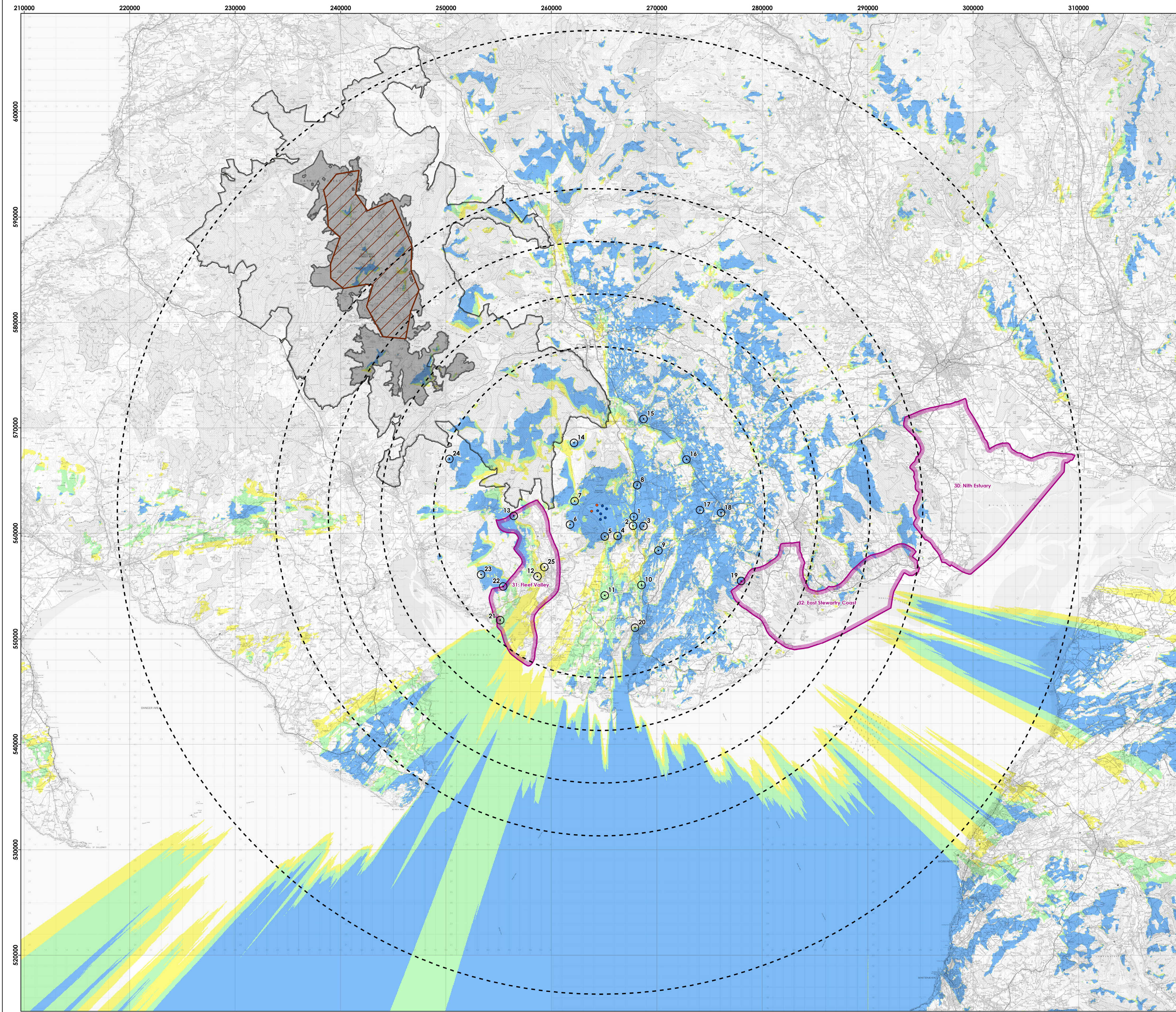




Lairdmannoch Energy Park



AI Figure 5-3
Zone of Theoretical Visibility to
Blade Tip, 45km

Key

- Proposed Development - 149.9m to Blade Tip
- Proposed Development - 180m to Blade Tip
- Distance Radii from Outermost Turbine (15, 20, 25, 30, 45 km)
- Viewpoints
- ▭ National Scenic Areas
- ▨ Wild Land 01 - Merrick
- ▭ Galloway Dark Skies - Buffer Area
- ▭ Galloway Dark Skies - Core Area

Zone of Theoretical Visibility to Blade Tip

- 1 - 3 turbines may be visible
- 4 - 6 turbines may be visible
- 7 - 8 turbines may be visible

Figure Data:
This figure has been based on the following data:
Layout file: D006-obvs-BT-15-15km.shp; D006-obvs-BT-150-45km.shp
Terrain data: 15-DTM.asc; 150-DTM.asc
Viewer's eye height: 2m
Calculation grid size: 5m (to 15km 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.

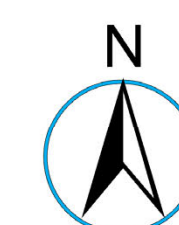
The areas shown are the maximum theoretical visibility, taking topography into account.

This visibility map is based on a 'bare earth' model of the landscape 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 derived DTM and has a 5m² (to 15km from turbines) / 50m² (beyond) resolution.



0 5 10 20
km



Scale @ A1:
1:170,000



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