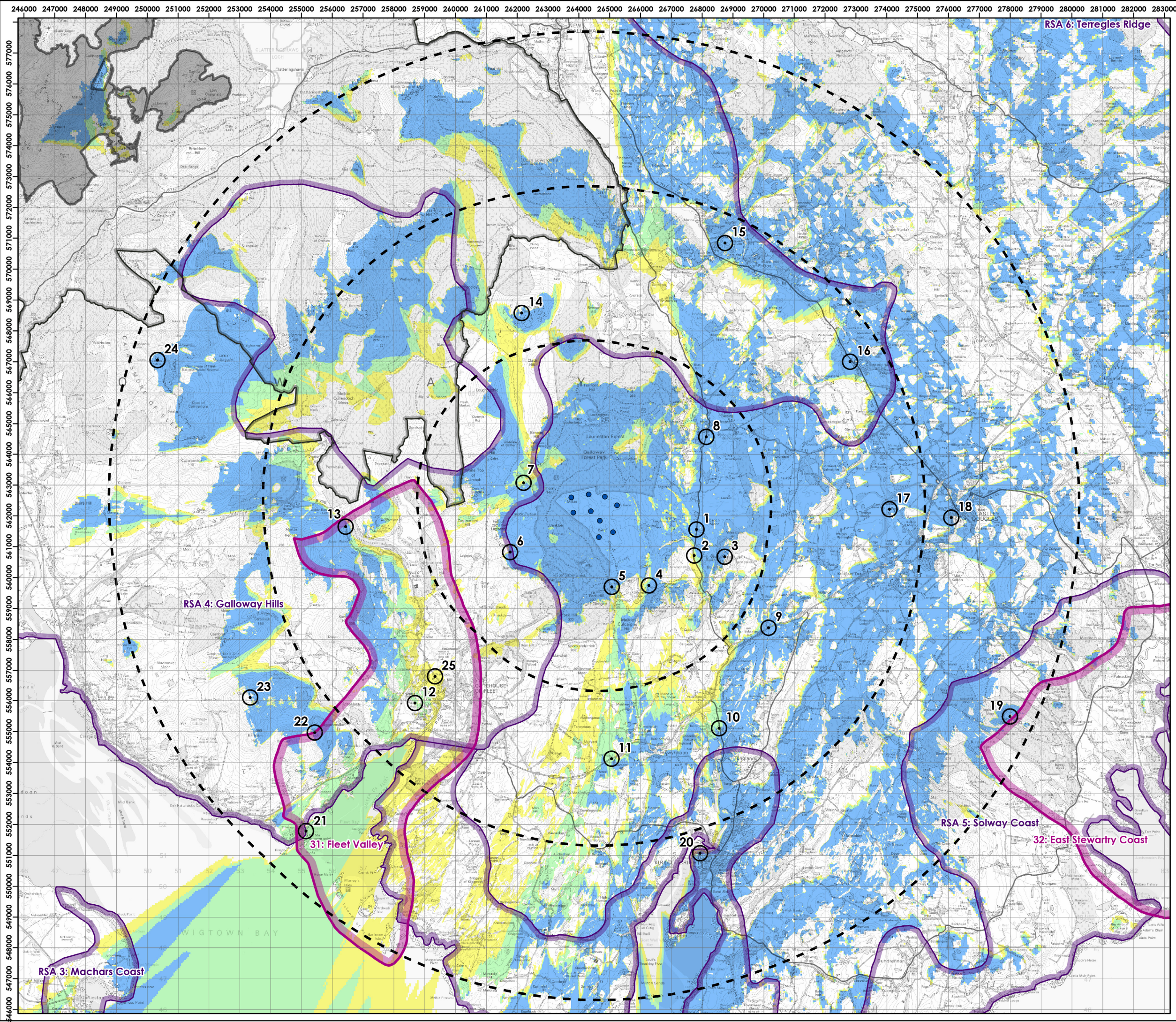




Lairdmannoch Energy Park



Figure 5-4
Landscape Planning Designations
with Zone of Theoretical Visibility

Key

- Proposed Development
- Distance Radii from Outermost Turbines (5, 10, 15 km)
- Viewpoints
- National Scenic Areas
- Galloway Dark Skies - Buffer Area
- Galloway Dark Skies - Core Area
- Dumfries and Galloway Regional Scenic Areas
- Zone of Theoretical Visibility (180m to blade tip)**
 - 1 - 3 turbines may be visible
 - 4 - 6 turbines may be visible
 - 7 - 9 turbines may be visible

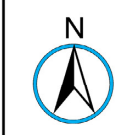
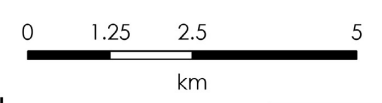
FIGURE DATA:
This figure has been based on the following data:
Layout file: D004-obvs-BT-T5-15km.shp;
D004-obvs-BT-T50-45km.shp
Terrain data: T5-DTM.asc; T50-DTM.asc
Viewer's eye height: 2m
Calculation grid size: 5m (to 15km from turbines) / 50m (beyond)

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 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 derived DTM and has a 5m² (to 15km from turbines) / 50m² (beyond) resolution.



Scale @ A3:
1:115,000



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