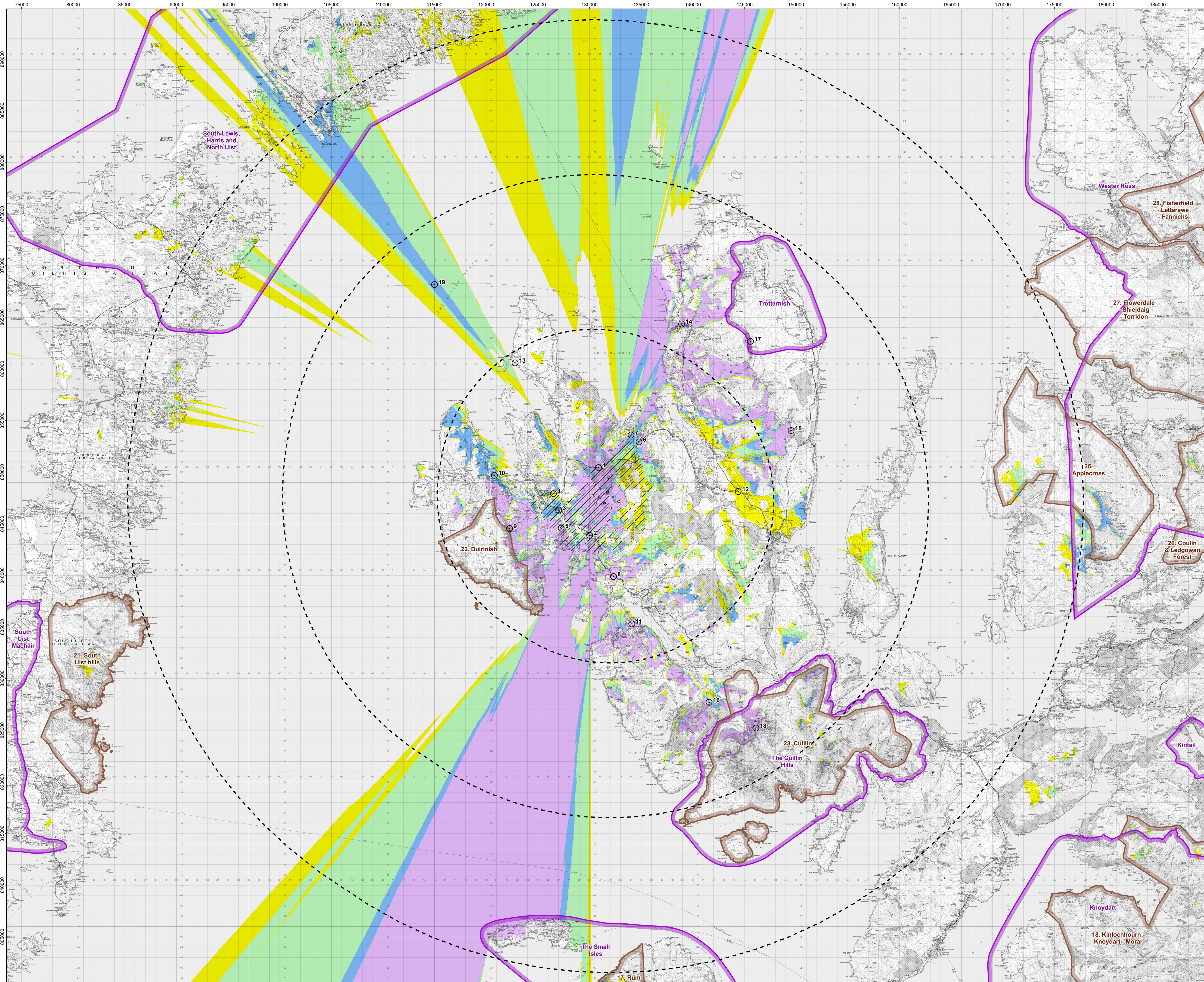




Legend:

- Turbines to be lit with nacelle lights
- Turbines not to be lit with nacelle lights
- Distance Radii from Outermost Turbine (15, 30, 45km)
- Viewpoints
- National Scenic Areas
- Wild Land Areas

Zone of Theoretical Visibility (122.5m to nacelle light)

- 1 light may be visible
- 2 lights may be visible
- 3 lights may be visible
- 4 lights may be visible

/// Nacelle light intensity reduced by 95% due to mitigation (angles below -2° reduced light intensity)

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

Coordinate System: British National Grid
Projection: Transverse Mercator
Datum: OSGB 1936
Units: Meter



00	26/01/2023	Final Issue	MP	KA	
Rev	Date	Description	Drn	Chk	App

Ben Aketil Wind Farm Repowering and Extension



TITLE: Figure 6.8
Night Time ZTV - Nacelle Lights

ID:P663617_SH_LAN_LANSH_LVIA_6-8_HubLightsZTV_A1_L

0510KilometresScale: 1:165,000 @ A1

NWSE

REV 00