120000 130000 140000

860000 850000

Trotternish NSA

Greshornish SLA

Trotternish and Tianavaig SLA

Dunvegan Castle Garden and Designed Landscape

North West Skye SLA

22. DUIRINISH

0 5 10 Kilometres

405.064982.00001.0209.0 V5.6 Landscape Designations and ZTV

LEGEND

- Balmeanach SEI Application Boundary
- Ben Sca Redesign SEI Application Boundary
- Balmeanach SEI Proposed Turbine Location
- Ben Sca Redesign SEI Proposed Turbine Location
- Proposed Turbine Locations 5 and 10 km Buffers
- Inventory Garden and Designed Landscape
- National Scenic Area (NSA)
- Special Landscape Area (SLA)
- Viewpoint Location

Zones of Theoretical Visibility (ZTV) - Bare Earth

Ben Sca Redesign SEI

Balmeanach SEI

Note

This Zone of Theoretical Visibility (ZTV) has been generated using ESRI ArcGIS Spatial Analyst extension. The digital terrain model (DTM) has been derived from OS Terrain 50 dataset (+/-10 m). Earth curvature has been included in the ZTV calculation and refraction of light has been applied using SNH guidance settings. The ZTV has been generated from a viewing height of 2 m above ground level which falls within recommendations by "Visual Representation of Windfarms" prepared for Scottish Natural Heritage (SNH) February 2017 - Version 2.2.
The use of ZTV mapping at this stage is limited and the following assumptions should be noted:

- The ZTV has been generated using the proposed turbine locations for Ben Sca Wind Farm SEI and Balmeanach SEI Layouts.
- The proposed turbine tip heights of 149.9 m have been used for generating the ZTV.
- The ZTV is generated from a bare earth terrain and does not account for the screening effect of features within the landscape such as settlements and woodland. It does not indicate potential visual effects or show the likely significance of effects. It shows potential theoretical visibility only.
- The ZTV has been produced for the purpose of informing 'on the ground' visual assessment.

SLR

COMBINED ASSESSMENT OF BALMEANACH AND BEN SCA REDESIGN WIND FARMS

LANDSCAPE DESIGNATIONS AND VISIBILITY

SEI FIGURE V5.6

Scale 1:100,000 @ A3

Date APRIL 2025

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