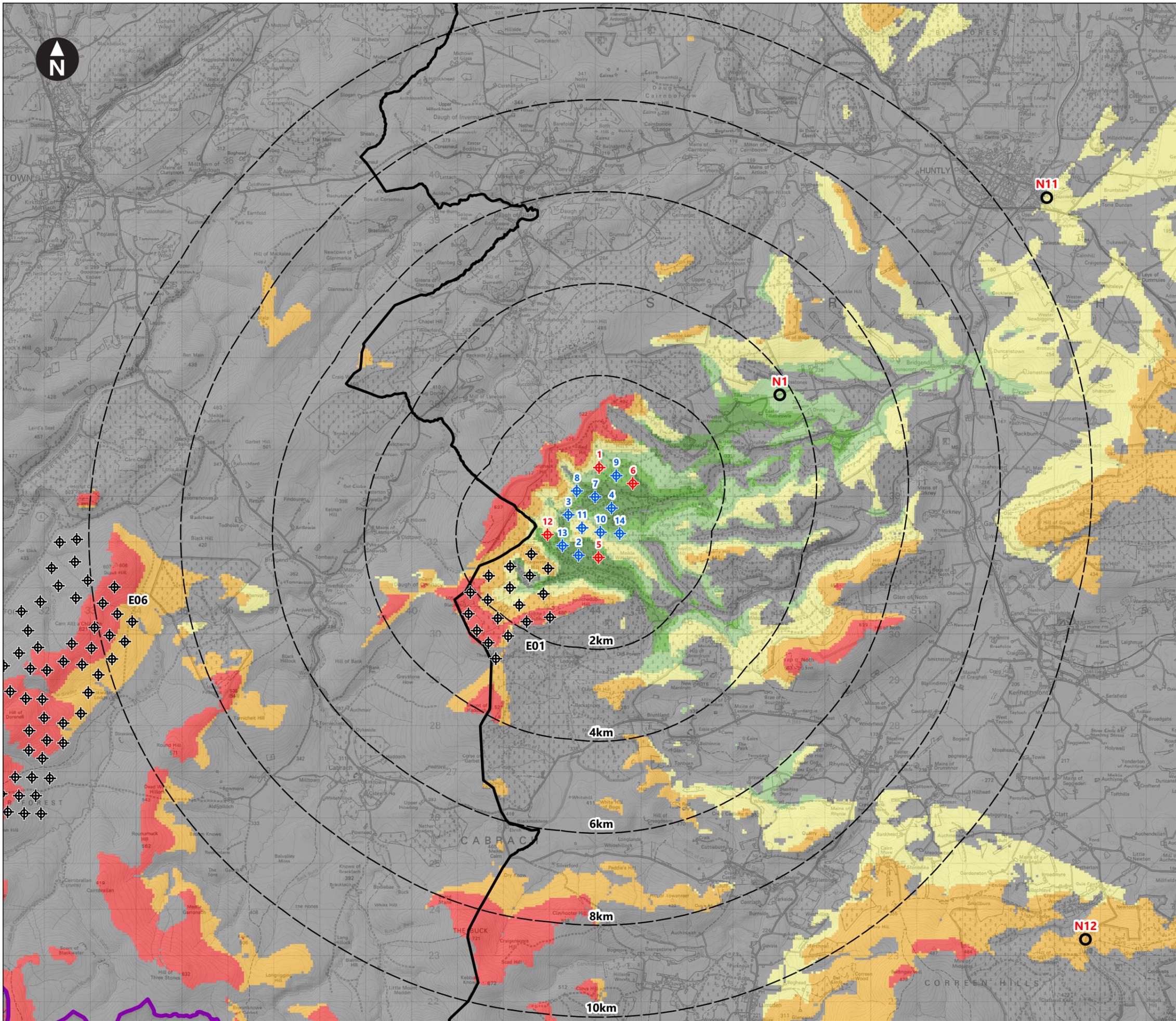


C:\Users\craig.wilson\Documents\ArcGIS\Clashindarroch II\ArcGISMXD\Figure 7.12c\Intensity ZTV 807772-WOOD-FG-SA-00020_R3.mxd Originator: wilsc03



- Key
- Proposed lit turbine locations
 - Proposed unlit turbine locations
 - Local authority boundaries
 - Lines indicating the distance from the proposed turbine locations
 - Cairngorms National Park
 - Night-time viewpoint locations

N1) Minor Road near Tillathrowie
 N11) Battle Hill, Huntly
 N12) Correen Hills, Old Military Road

Intensity of Turbine Light shown in Candelas (cd)

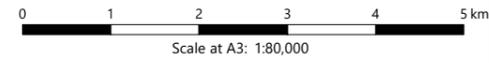
| Vertical Angle | Turbine Lighting Intensity | |
|----------------|----------------------------|----------------|
| | 2000cd light | 200cd light |
| 3° to 0° | 2000cd to 1500cd | 200cd to 150cd |
| 0° to -1° | 2000cd to 750cd | 200cd to 75cd |
| -1° to -2° | 800cd to 265cd | 80cd to 27cd |
| -2° to -3° | 265cd to 200cd | 27cd to 20cd |
| -3° to -4° | 200cd to 175cd | 20cd to 18cd |
| Below -4° | 175cd to 75cd | 18cd to 8cd |

- Significant Existing Wind Farms
- E01) Clashindarroch I
 E06) Dorenell

Notes: Clashindarroch I and Dorenell are not lit, but will overlap with parts of the ZTV.

This drawing is based on a computer generated Zone of Theoretical Visibility (ZTV). The areas shown indicate the maximum theoretical visibility of the proposed turbines using OS Terrain 50 data only and do not take account of any screening from vegetation or built-form. The ZTV also includes an adjustment that allows for the Curvature and Light Refraction of the Earth.

This figure has been based on the following parameters:
 Turbine layout file: LCLASH2001.WFL
 Hub height: 110m
 Rotor diameter: 140m
 Height to blade tip: 180m



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Client

VATTENFALL

Clashindarroch II Wind Farm
 Supplementary Information

**SI 2021 Figure 7.12c(i)
 Nacelle Light Intensity ZTV (Zone of Theoretical Visibility) within 10km**