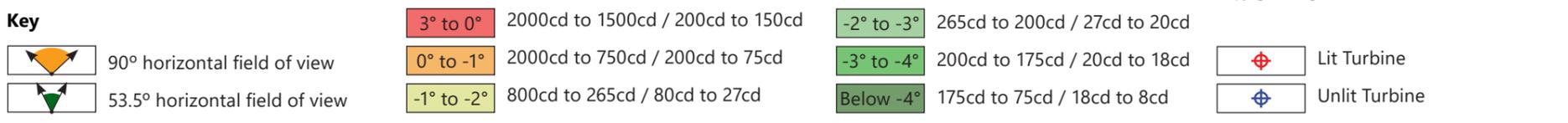
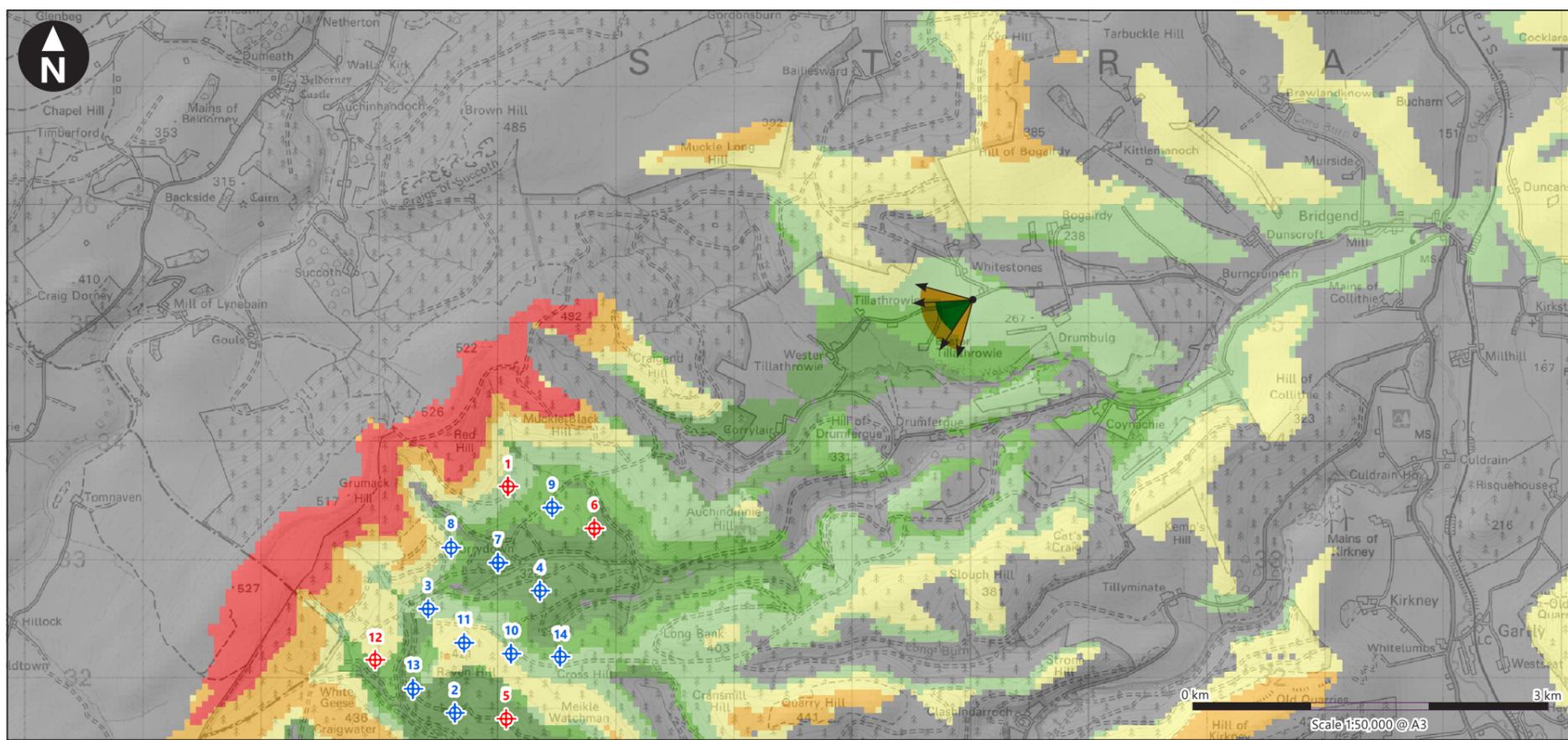
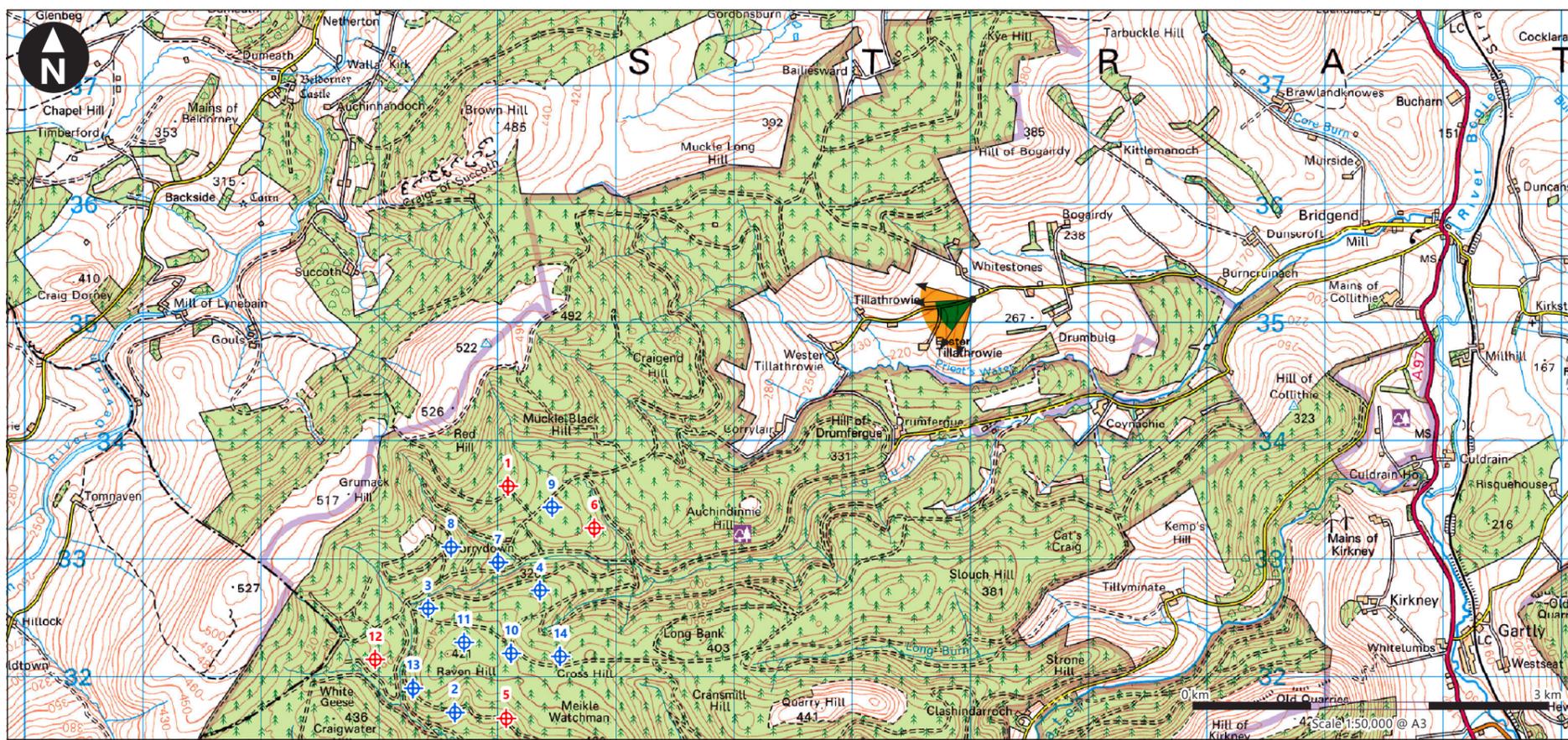


H:\data\Projects\807772 - Clashindarroch 2 - Wind Farm\Deliver Stage\Design\_Technical\Drawings\Figure 7.13 VP11 Tillathrowie 807772-WOOD-FG-SA-00024\_R1.indd Originator: wilsc03



**Viewpoint Parameters**

OS reference:	E348 025, N835 192
Ground Level Elevation:	267m AOD
Camera Height:	1.5m AGL
Direction of view to site centre <sup>3</sup> :	237°
Distance to nearest lit turbine:	3,737m
Number of nacelle lighting units theoretically visible <sup>4</sup> :	3
Date and time of viewpoint photography:	12/09/2019 @ 20:25
Camera:	Nikon D600
Lens:	Nikon 50mm f/1.8

**Information on the limitations of visualisations:**

Visualisations of wind farms have a number of limitations which you should be aware of when using them to form a judgement on a wind farm proposal. These include:

- A visualisation can never show exactly what the wind farm will look like in reality due to factors such as: different lighting, weather and seasonal conditions which vary through time and the resolution of the image;
- The images provided give a reasonable impression of the scale of the turbines and the distance to the turbines, but can never be 100% accurate;
- A static image cannot convey turbine movement, or flicker or reflection from the sun on the turbine blades as they move;
- The viewpoints illustrated are representative of views in the area, but cannot represent visibility at all locations;
- To form the best impression of the impacts of the wind farm proposal these images are best viewed at the viewpoint location shown;
- The images must be printed at the right size to be viewed properly (260mm by 820mm);
- You should hold the images flat at a comfortable arm's length. If viewing these images on a wall or board at an exhibition, you should stand at arm's length from the image presented.
- The ZTV presented here takes no account of the screening effects of vegetation or buildings.

**Additional notes:**

- This figure has been based on the following parameters:  
 Turbine layout file: CLASHINDARROCH II.WFL  
 • Hub height: 110m  
 • Rotor diameter: 140m  
 • Height to blade tip: 180m
- Turbine positions could be subject to micro-siting (typically up to 50m).
- Direction given as bearing relative to Grid North (BNG).
- The number of turbine blades and hubs theoretically visible is counted from the wireframe in sets of 3 and ignores the screening effects of any intervening objects and forestry.
- This figure is produced in accordance with SNH Visual Representation of Wind Farms 2017 guidance and also broadly accords with the Landscape Institute's Technical Guidance Note 6/19 (Type 4 Visualisation).

Client

Clashindarroch II Wind Farm  
Supplementary Information

**SI 2021 Figure 7.13a**  
**Viewpoint N1:**  
**Minor Road near Tillathrowie**

October 2021

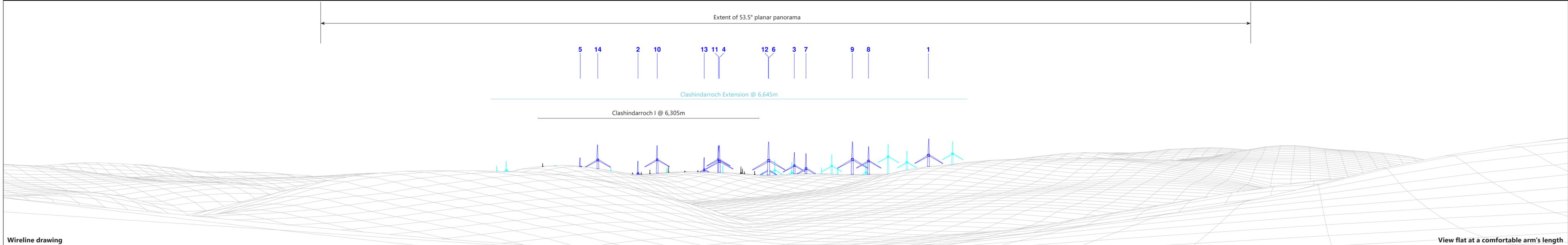
© Crown copyright. All rights reserved. Licence number 0100051659.

H:\Data\Projects\807772 - Clashindarroch 2 Wind Farm\Deliver Stage\0 Design - Technical\Drawings\Figure 7.13 VP N1 Tillathrowie 807772-WOOD-FG-5A-00024\_R1.indd  
 Originator: wisc03



Baseline photograph

This image provides landscape and visual context only



Wireline drawing

View flat at a comfortable arm's length

Note: Turbines 1, 5, 6, and 12 would be fitted with aviation warning lights positioned on the turbine hub or nacelle

**Wind Farm Key:** + Clashindarroch II Wind Farm + Existing + Consented + Application + Scoping

OS reference:	E348 025, N835 192	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon D600
Eye level:	268.5m AOD	Principal distance:	522mm	Lens:	Nikon 50mm f/1.8
Direction of view:	240°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest lit turbine:	3,737m	Correct printed image size:	820 x 130mm	Date and time:	12/09/2019 20:25

Client  
**VATTENFALL**

Clashindarroch II Wind Farm  
 Supplementary Information

SI 2021 Figure 7.13b  
 Viewpoint N1:  
 Minor Road near Tillathrowie

October 2021



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**Photomontage (2000cd Intensity Lighting)**

Note: The light intensity at this location would be between 265-200cd during periods of poor visibility in any direction within 5km. The photomontage provides an impression of the proposed lighting intensity at 2000cd and assumes clear visibility from the viewpoint location.

OS reference:	E348 025, N835 192	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon D600
Eye level:	268.5m AOD	Principal distance:	812.5mm	Lens:	Nikon 50mm f/1.8
Direction of view:	240°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest lit turbine:	3,737m	Correct printed image size:	820 x 260mm	Date and time:	12/09/2019 20:25

Client  
**VATTENFALL** 

Clashindarroch II Wind Farm  
 Supplementary Information

**SI 2021 Figure 7.13c**  
**Viewpoint N1:**  
 Minor Road near Tillathrowie

View flat at a comfortable arm's length

October 2021 



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**Photomontage (200cd Intensity Lighting)**

Note: The light intensity at this location would be between 27-20cd during periods when the visibility is clear for 5km in all directions from the light source. The photomontage provides an impression of the proposed lighting intensity at 200cd and assumes clear visibility from the viewpoint location.

OS reference:	E348 025, N835 192	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon D600
Eye level:	268.5m AOD	Principal distance:	812.5mm	Lens:	Nikon 50mm f/1.8
Direction of view:	240°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest lit turbine:	3,737m	Correct printed image size:	820 x 260mm	Date and time:	12/09/2019 20:25



Client  
Clashindarroch II Wind Farm  
Supplementary Information

**SI 2021 Figure 7.13d**  
**Viewpoint N1:**  
**Minor Road near Tillathrowie**

View flat at a comfortable arm's length  
October 2021