

Viewpoint Parameters

OS reference:	E341 219, N823 399
Ground Level Elevation:	721m AOD
Camera Height:	1.5m AGL
Direction of view to site centre ³ :	17°
Distance to nearest turbine:	8,651m
Number of blade tips theoretically visible ⁴ :	14
Number of hubs theoretically visible ⁴ :	14
Date and time of viewpoint photography:	22/10/2018 @ 11:45
Camera:	Nikon D750
Lens:	Nikon 50mm f/1.4

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:

1. 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
2. Turbine positions could be subject to micro-siting (typically up to 50m).
3. Direction given as bearing relative to Grid North (BNG).
4. 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.
5. 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

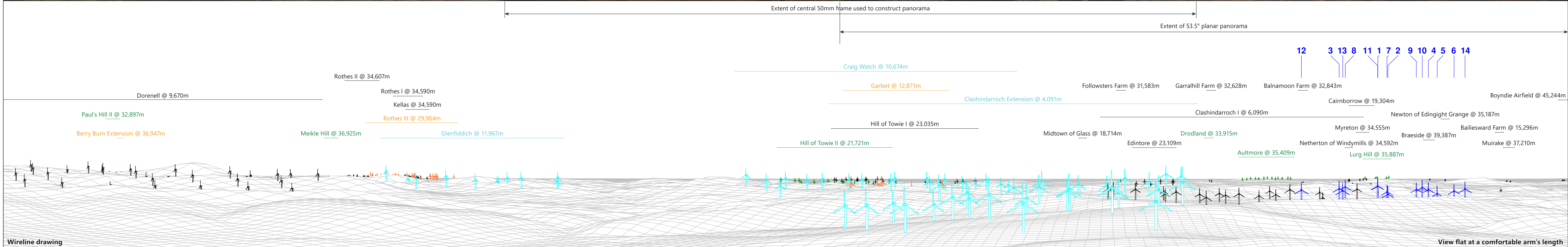
**SI 2021 Figure 7.9a
Viewpoint 5: The Buck**

H:\Data\Projects\807772 - Clashindarroch 2 Wind Farm\Deliver Stage\0 Design Technical\Drawings\Figure 7.9 VP5 The Buck 807772.WOOD-FG-SA-00015_03.indd Originator: wils03



Baseline photograph

This image provides landscape and visual context only



Wireline drawing

View flat at a comfortable arm's length

Note: Dorenell Wind Farm has been partially montaged onto the existing view, as it was not fully built at the date and time of the photograph.

OS reference:	E341 219, N823 399	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon D750
Eye level:	722.5m AOD	Principal distance:	522mm	Lens:	Nikon 50mm f/1.4
Direction of view:	343°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	8,651m	Correct printed image size:	820 x 130mm	Date and time:	22/10/2018 11:45



Client
Clashindarroch II Wind Farm
Supplementary Information

SI 2021 Figure 7.9b
Viewpoint 5: The Buck

October 2021



12 3 13 8 11 1 7 2 9 10 4 5 6 14

Craig Watch @ 10,674m
 Clashindarroch Extension @ 4,091m
 Garbet @ 12,871m
 Hill of Towie I @ 23,035m
 Hill of Towie II @ 21,721m

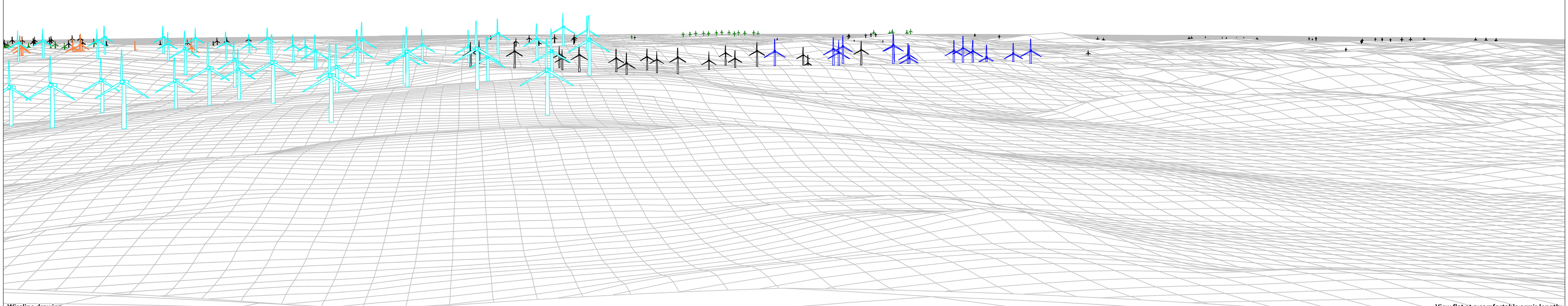
Followsters Farm @ 31,583m
 Garraihill Farm @ 32,628m
 Balnamoon Farm @ 32,843m
 Cairnborrow @ 19,304m
 Newton of Edingight Grange @ 35,187m
 Muirake @ 37,210m

Boyndie Airfield @ 45,244m
 Hill of Culbirnie @ 42,877m
 Strath of Brydock @ 43,660m
 Little Blairshinnoch @ 44,042m
 Backhill (Culbirnie) @ 43,347m

Clashindarroch I @ 6,090m
 Braeside @ 39,387m
 Bailiesward Farm @ 15,296m
 Cairnton Road (Hamlyns) @ 44,968m
 Gawns Moss Cluster @ 41,473m
 Deuchries @ 38,862m

Midtown of Glass @ 18,714m
 Edintore @ 23,109m
 Drodland @ 33,915m
 Aultmore @ 35,409m
 Netherton of Windmills @ 34,592m
 Lurg Hill @ 35,887m

Rivestone @ 26,974m
 Mains of Auchinderran @ 37,316m



Wireline drawing View flat at a comfortable arm's length

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

OS reference:	E341 219, N823 399	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon D750
Eye level:	722.5m AOD	Principal distance:	812.5mm	Lens:	Nikon 50mm f/1.4
Direction of view:	343°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	8,651m	Correct printed image size:	820 x 260mm	Date and time:	22/10/2018 11:45

Client
VATTENFALL

Clashindarroch II Wind Farm
 Supplementary Information

SI 2021 Figure 7.9c
 Viewpoint 5: The Buck

October 2021

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 Originator: wills03

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Photomontage

Note: Dorenell Wind Farm has been partially montaged onto the existing view, as it was not fully built at the date and time of the photograph.

OS reference:	E341 219, N823 399	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon D750
Eye level:	722.5m AOD	Principal distance:	812.5mm	Lens:	Nikon 50mm f/1.4
Direction of view:	343°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	8,651m	Correct printed image size:	820 x 260mm	Date and time:	22/10/2018 11:45

Client
VATTENFALL 

Clashindarroch II Wind Farm
 Supplementary Information

SI 2021 Figure 7.9d
 Viewpoint 5: The Buck

October 2021


wood.

View flat at a comfortable arm's length

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Photomontage

Notes: This 90 degree FoV photomontage is produced in addition to the NatureScot 'Visual Representation of Wind Farms' guidance and illustrates the Proposed Development in its landscape setting. Dorenell Wind Farm has been partially montaged onto the existing view, as it was not fully built at the date and time of the photograph.

OS reference:	E341 219, N823 399	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon D750
Eye level:	722.5m AOD	Principal distance:	522mm	Lens:	Nikon 50mm f/1.4
Direction of view:	343°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	8,651m	Correct printed image size:	820 x 260mm	Date and time:	22/10/2018 11:45

Client
VATTENFALL 

Clashindarroch II Wind Farm
Supplementary Information

SI 2021 Figure 7.9e
Viewpoint 5: The Buck

View flat at a comfortable arm's length

October 2021

