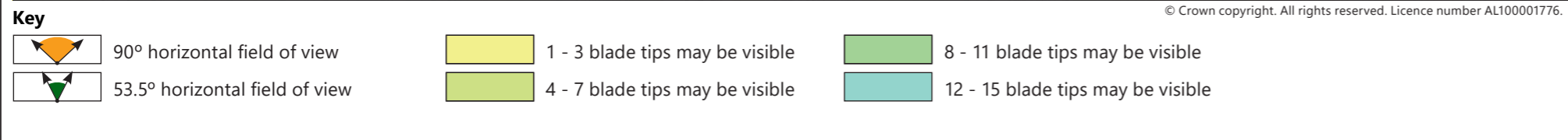
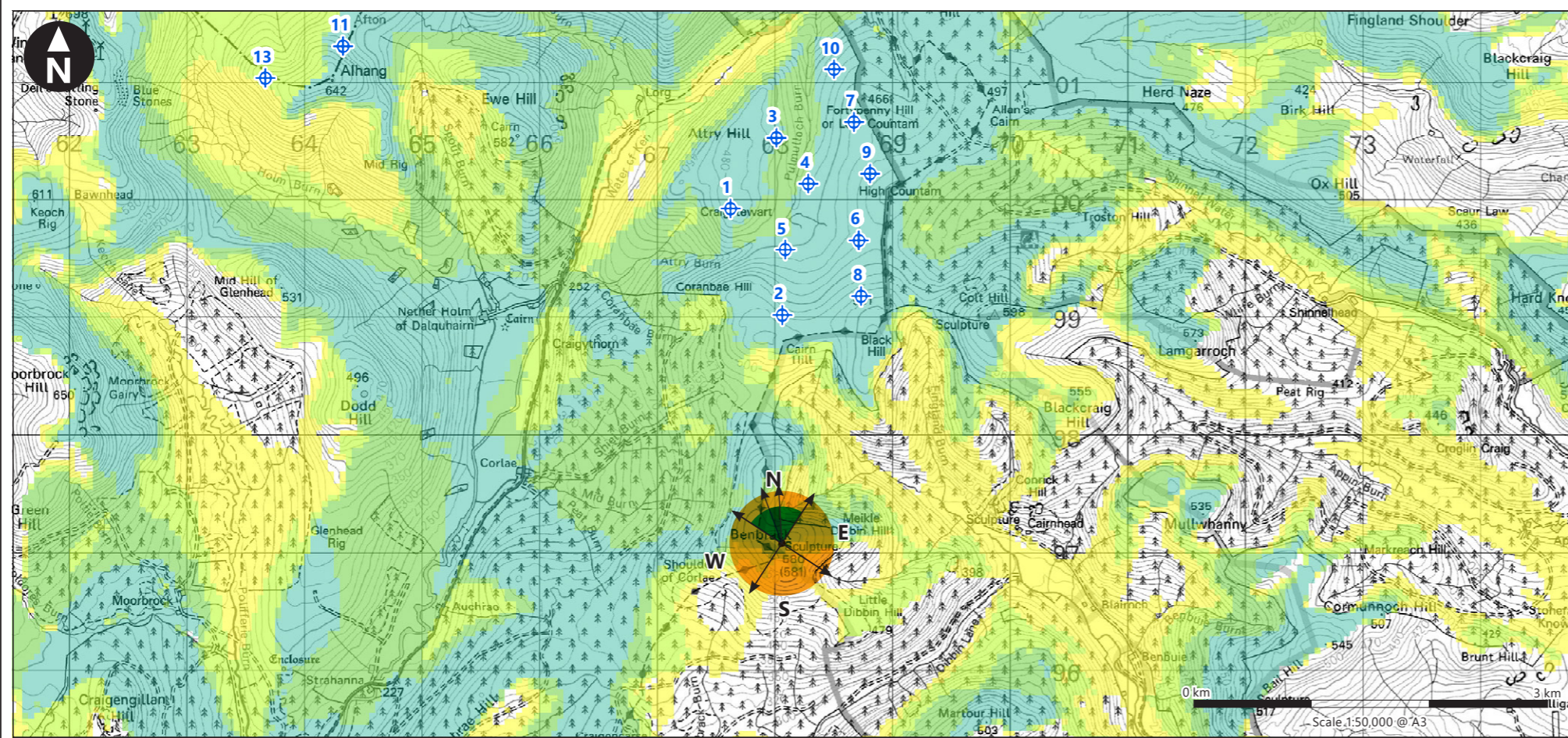
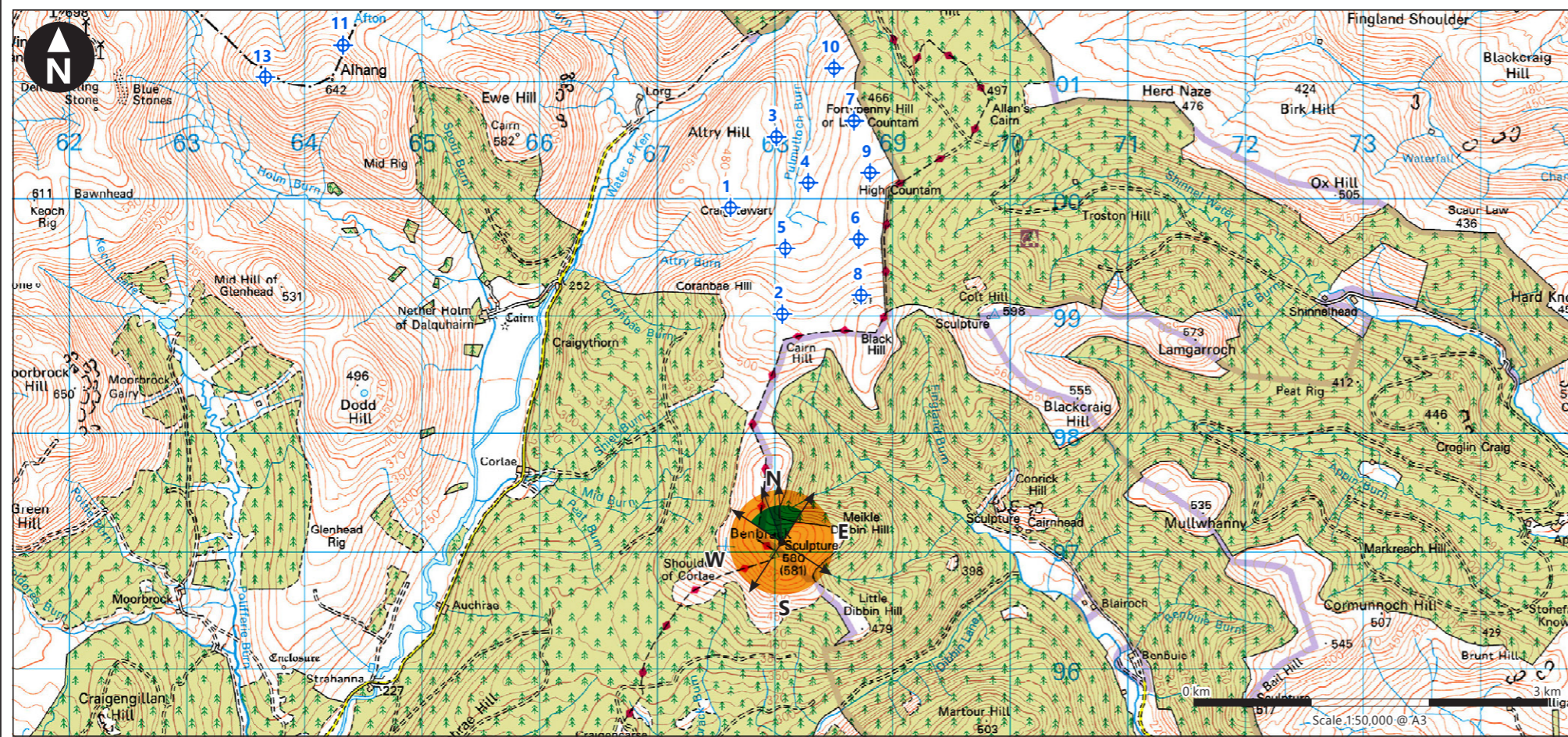


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**Viewpoint Parameters**

OS reference:	E268 058, N597 078
Ground Level Elevation:	581m AOD
Camera Height:	1.5m AGL
Direction of view to site centre <sup>3</sup> :	344°
Distance to nearest turbine:	1,948m
Number of blade tips theoretically visible <sup>4</sup> :	15
Number of hubs theoretically visible <sup>4</sup> :	15
Date and time of viewpoint photography:	26/11/2018 @ 14:10
Camera:	Canon EOS 5D Mk2
Lens:	50mm (Canon EF 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:**

1. This figure has been based on the following parameters:  
Turbine layout file: LS36LORG2020019.WFL
  - Hub height: 119m
  - Rotor diameter: 162m
  - Height to blade tip: 200m
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  
Lorg Wind Farm  
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**Figure 9.26a  
Viewpoint 5:  
The Striding Arches - Benbrack**

October 2022



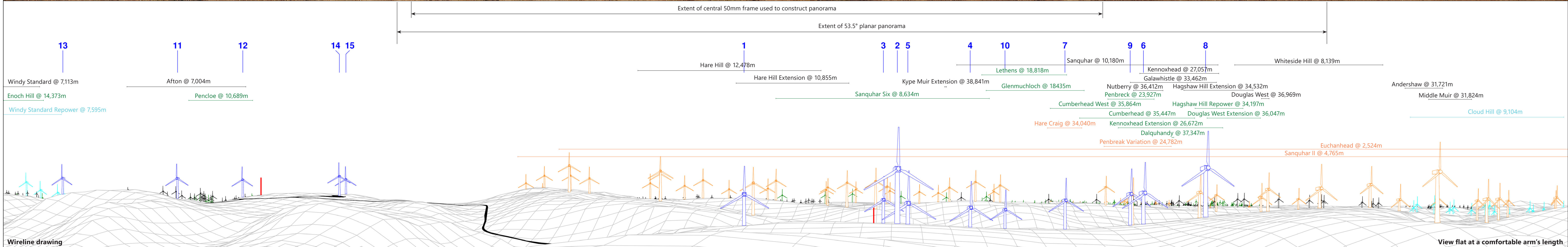
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North view



Baseline photograph

This image provides landscape and visual context only



Wireline drawing

View flat at a comfortable arm's length

Notes: Turbines 1, 2, 8, 9, 10, 11, 12, 13 and 15 would be lit at the hub with a visible red aviation warning light.  
 Kennoxhead and Douglas West Wind Farms have been montaged onto the existing view, as they were not fully built at the date and time of the photograph.

Wind Farm Key: Lorg Wind Farm Existing Consented Application Scoping Met Mast

OS reference:	E268 058, N597 078	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 5D Mk2	Client:	Lorg Wind Farm EIA Report
Eye level:	582.5m AOD	Principal distance:	522mm	Lens:	50mm (Canon EF 50mm f/1.8)		
Direction of view:	348°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL		
Nearest turbine:	1,948m	Correct printed image size:	820 x 130mm	Date and time:	26/11/2018 14:10		

Figure 9.26b  
Viewpoint 5:  
The Striding Arches - Benbrack

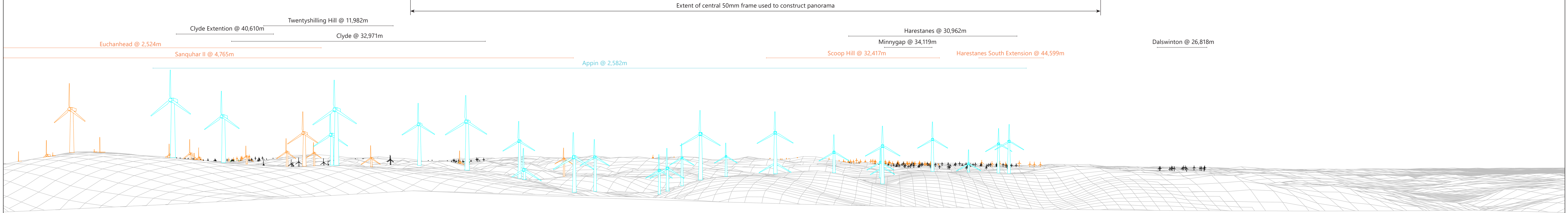
October 2022

Note: Solwaybank Wind Farm (which began construction in April 2018) and Crossdykes Wind Farm (which began construction in August 2019) have been montaged onto the existing view, as they were not fully built at the date and time of the photograph.

East view

Baseline photograph

This image provides landscape and visual context only



Wireline drawing

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

Wind Farm Key: Lorg Wind Farm Existing Consented Application Scoping

OS reference:	E268 058, N597 078	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 5D Mk2
Eye level:	582.5m AOD	Principal distance:	522mm	Lens:	50mm (Canon EF 50mm f/1.8)
Direction of view:	348°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	1,948m	Correct printed image size:	820 x 130mm	Date and time:	26/11/2018 14:10



Client  
Lorg Wind Farm  
EIA Report

Figure 9.26c  
Viewpoint 5:  
The Striding Arches - Benbrack

View flat at a comfortable arm's length

October 2022



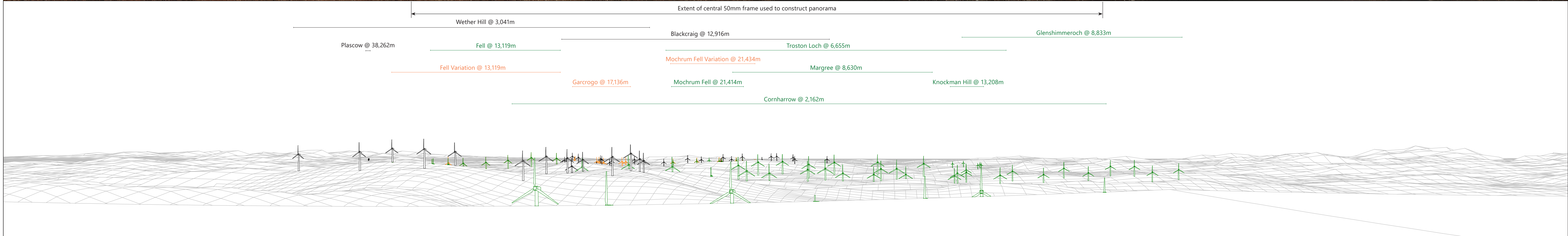
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Originator: wis03

South view



Baseline photograph

This image provides landscape and visual context only



Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key: Lorg Wind Farm Existing Consented Application Scoping

OS reference:	E268 058, N597 078	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 5D Mk2
Eye level:	582.5m AOD	Principal distance:	522mm	Lens:	50mm (Canon EF 50mm f/1.8)
Direction of view:	348°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	1,948m	Correct printed image size:	820 x 130mm	Date and time:	26/11/2018 14:10



Client  
Lorg Wind Farm  
EIA Report

**Figure 9.26d**  
**Viewpoint 5:**  
**The Striding Arches - Benbrack**

October 2022



Originator: wis03  
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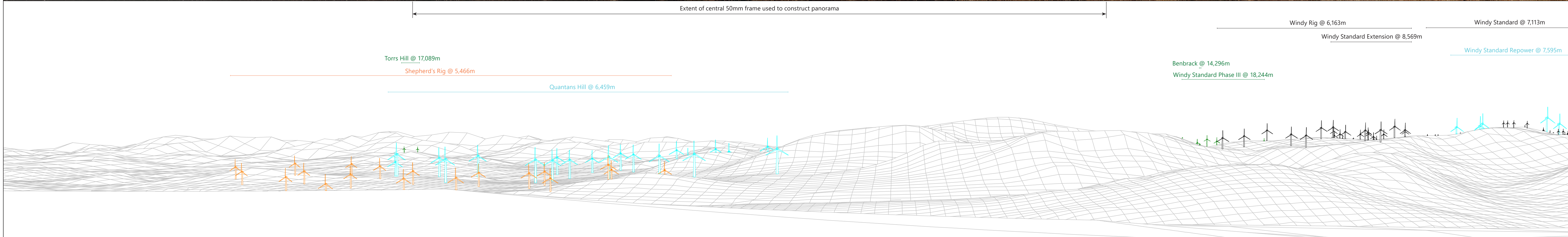
West view

Baseline photograph

This image provides landscape and visual context only



Extent of central 50mm frame used to construct panorama



Wireline drawing

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

**Wind Farm Key:** Lorg Wind Farm Existing Consented Application Scoping

OS reference:	E268 058, N597 078	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 5D Mk2
Eye level:	582.5m AOD	Principal distance:	522mm	Lens:	50mm (Canon EF 50mm f/1.8)
Direction of view:	348°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	1,948m	Correct printed image size:	820 x 130mm	Date and time:	26/11/2018 14:10



Client  
Lorg Wind Farm  
EIA Report

**Figure 9.26e**  
**Viewpoint 5:**  
**The Striding Arches - Benbrack**

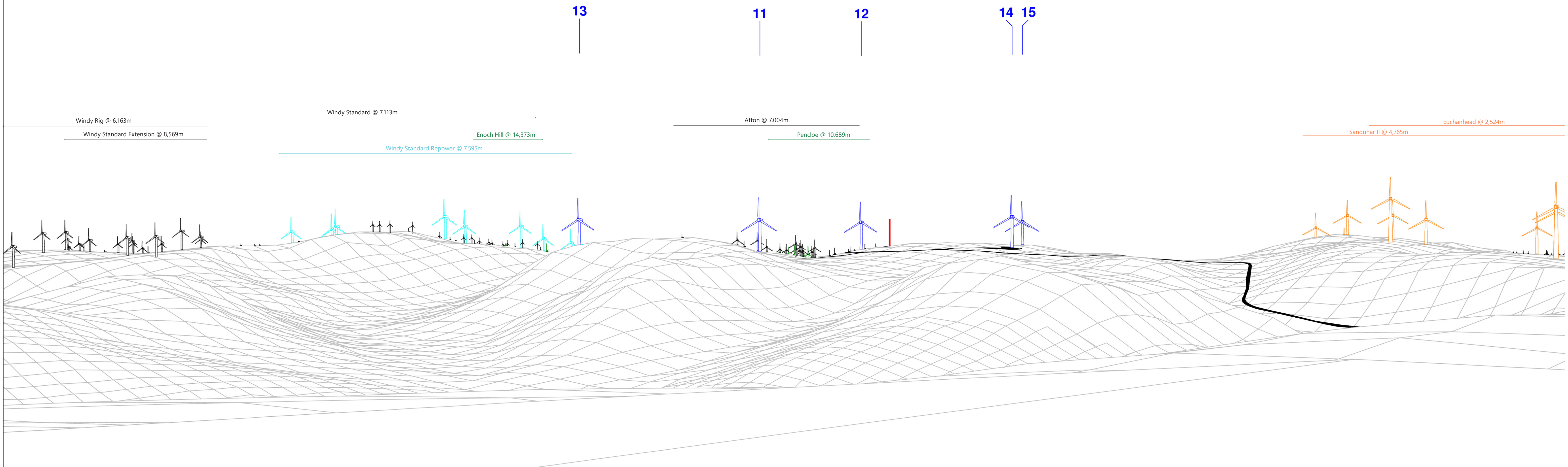
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View flat at a comfortable arm's length

Originator: wis03  
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Northwest view



Wireline drawing

Note: Turbines 1, 2, 8, 9, 10, 11, 12, 13 and 15 would be lit at the hub with a visible red aviation warning light.

**Wind Farm Key:** Lorg Wind Farm Existing Consented Application Scoping Met Mast

OS reference:	E268 058, N597 078	Horizontal field of view:	53.5° (planar projection)	Camera:	Canon EOS 5D Mk2
Eye level:	582.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Canon EF 50mm f/1.8)
Direction of view:	318°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	1,948m	Correct printed image size:	820 x 260mm	Date and time:	26/11/2018 14:10



Client  
Lorg Wind Farm  
EIA Report

**Figure 9.26f**  
**Viewpoint 5:**  
**The Striding Arches - Benbrack**

View flat at a comfortable arm's length  
October 2022

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Northwest view



Photomontage

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

OS reference:	E268 058, N597 078	Horizontal field of view:	53.5° (planar projection)	Camera:	Canon EOS 5D Mk2
Eye level:	582.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Canon EF 50mm f/1.8)
Direction of view:	318°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	1,948m	Correct printed image size:	820 x 260mm	Date and time:	26/11/2018 14:10



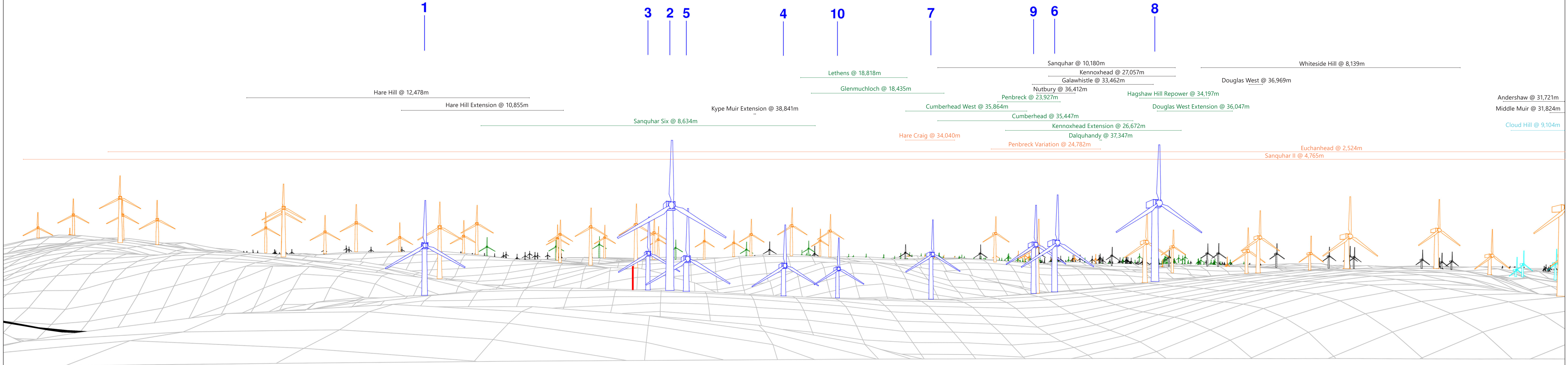
Client  
Lorg Wind Farm  
EIA Report

**Figure 9.26g**  
**Viewpoint 5:**  
**The Striding Arches - Benbrack**

View flat at a comfortable arm's length  
October 2022

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Northeast view



Wireline drawing

Note: Turbines 1, 2, 8, 9, 10, 11, 12, 13 and 15 would be lit at the hub with a visible red aviation warning light.

Wind Farm Key: Lorg Wind Farm Existing Consented Application Scoping Met Mast

OS reference:	E268 058, N597 078	Horizontal field of view:	53.5° (planar projection)	Camera:	Canon EOS 5D Mk2
Eye level:	582.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Canon EF 50mm f/1.8)
Direction of view:	378°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	1,948m	Correct printed image size:	820 x 260mm	Date and time:	26/11/2018 14:10



Client  
Lorg Wind Farm  
EIA Report

Figure 9.26h  
Viewpoint 5:  
The Striding Arches - Benbrack

View flat at a comfortable arm's length

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Northeast view



Photomontage

Note: Kennoxhead and Douglas West Wind Farms have been montaged onto the existing view, as they were not fully built at the date and time of the photograph.

OS reference:	E268 058, N597 078	Horizontal field of view:	53.5° (planar projection)	Camera:	Canon EOS 5D Mk2
Eye level:	582.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Canon EF 50mm f/1.8)
Direction of view:	378°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	1,948m	Correct printed image size:	820 x 260mm	Date and time:	26/11/2018 14:10



Client  
Lorg Wind Farm  
EIA Report

**Figure 9.26i**  
**Viewpoint 5:**  
**The Striding Arches - Benbrack**

View flat at a comfortable arm's length  
October 2022

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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. Kennoxhead and Douglas West Wind Farms have been montaged onto the existing view, as they were not fully built at the date and time of the photograph.

OS reference:	E268 058, N597 078	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 5D Mk2
Eye level:	582.5m AOD	Principal distance:	522mm	Lens:	50mm (Canon EF 50mm f/1.8)
Direction of view:	348°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	1,948m	Correct printed image size:	820 x 260mm	Date and time:	26/11/2018 14:10

Client



Lorg Wind Farm  
EIA Report

**Figure 9.26j**  
**Viewpoint 5:**  
**The Striding Arches - Benbrack**

View flat at a comfortable arm's length

October 2022



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