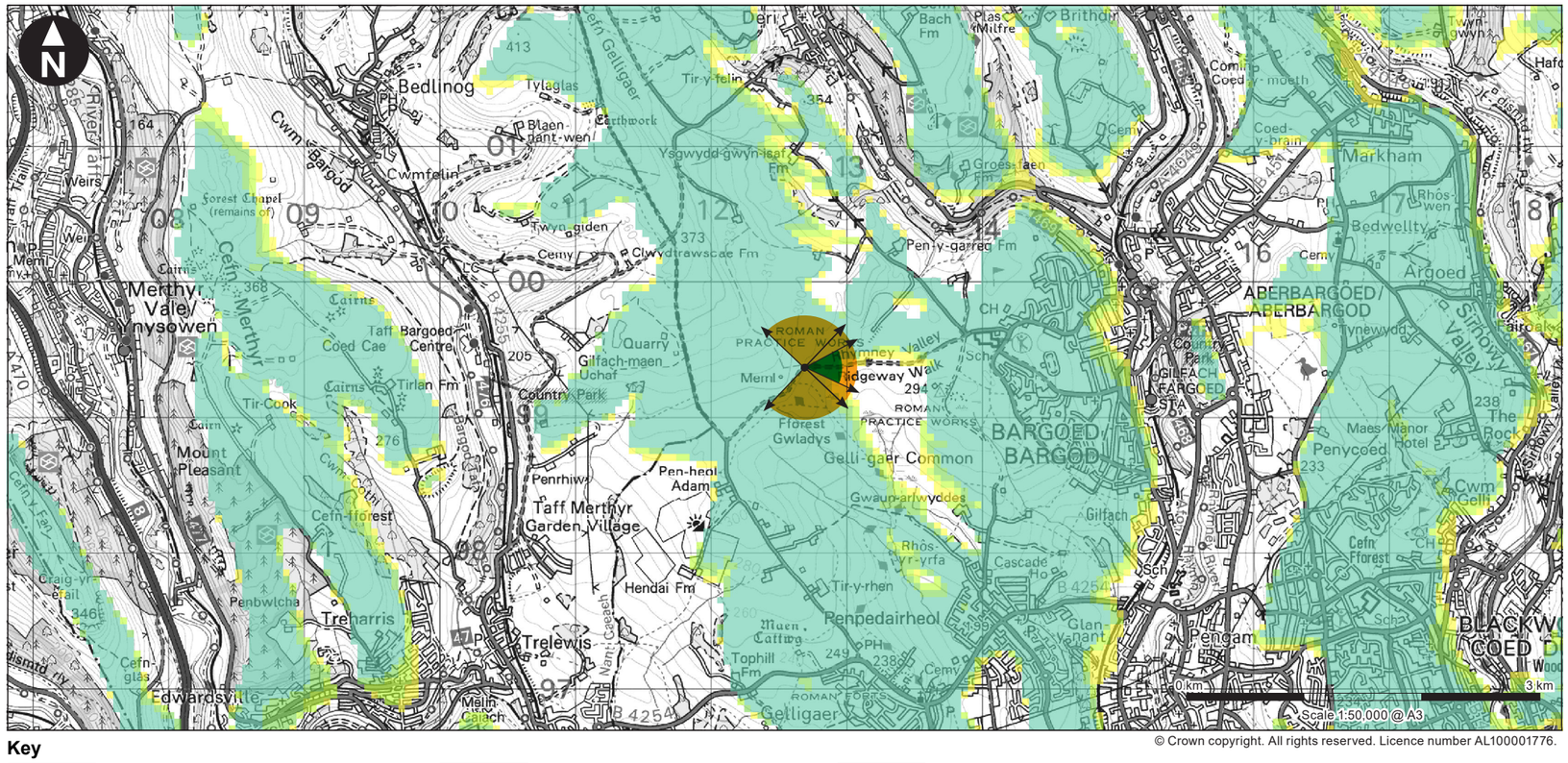


Key

102º horizontal field of view

53.5º horizontal field of view

1 blade tip may be visible

2 blade tips may be visible

3 blade tips may be visible

Viewpoint Parameters

OS reference:	E312 691, N199 372
Ground Level Elevation:	289m AOD
Camera Height:	1.5m AGL
Direction of view to site centre[3]:	102º
Distance to nearest turbine:	10,731m
Number of blade tips theoretically visible[4]:	4
Number of hubs theoretically visible[4]:	4
Date and time of viewpoint photography:	07/04/2023 @ 17:12
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.

Additonal notes:

1. This figure has been based on the following parameters:
Turbine layout file: LTRECELYN001.WFL

• Hub height: 84.5m
• Rotor diameter: 117m
• Height to blade tip: 143m

2. Turbine positions could be subject to micro-siting (typically up to 50m).

3. Direction given as bearing relative to Grid North (BNG).

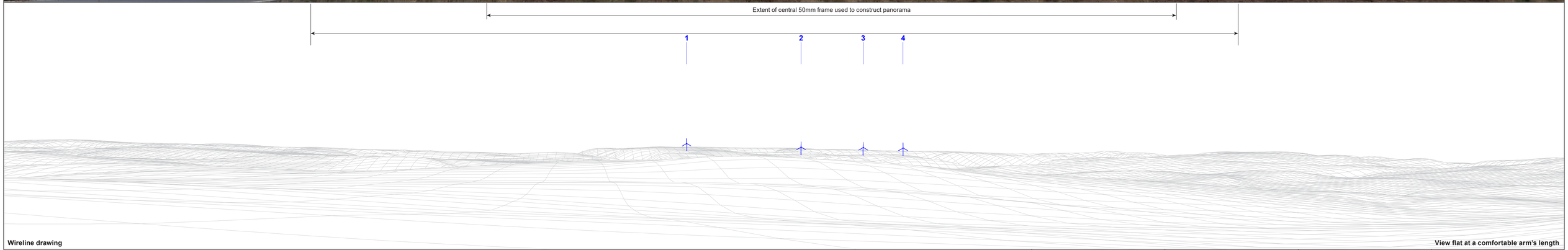
4. The number of turbine blades and hubs theoretically visible is counted from the wireframe in sets of 3 and ignores the screening effects of any intervening objects and forestry.

Client

Trecelyn Wind Farm
Landscape and Visual Impact Assessment

Figure 6.33a
Viewpoint 15: Gelligaer Common and Rhymney Valley Ridgeway Walk

October 2023



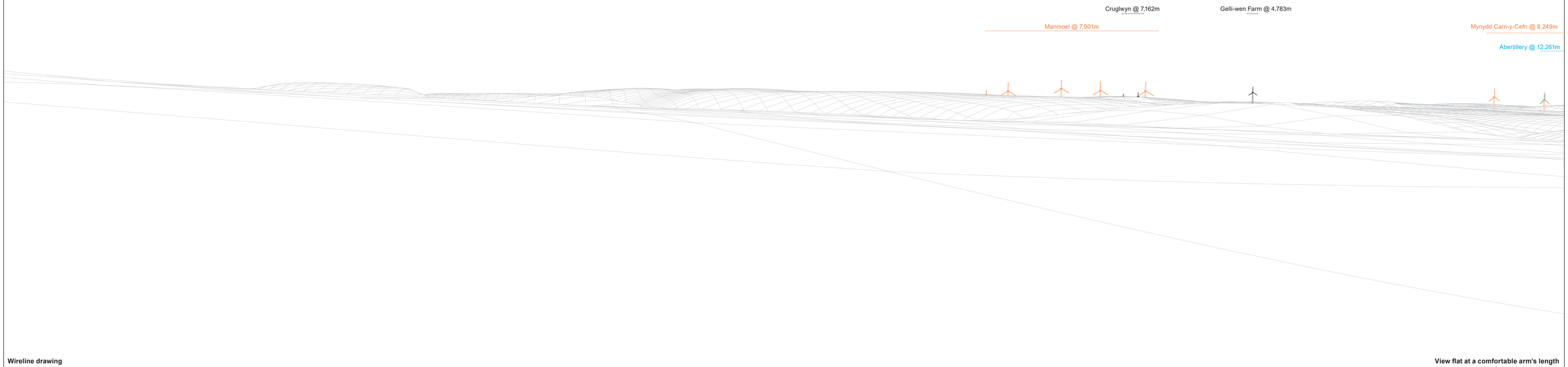
Wind Farm Key: Trecelyn Wind Farm

OS reference:	E312 691, N199 372	Horizontal field of view:	90º (cylindrical projection)	Camera:	Canon EOS 5D Mk2
Eye level:	290.5m AOD	Principal distance:	522mm	Lens:	50mm (Canon EF 50mm f/1.8)
Direction of view:	88º	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	10,731m	Correct printed image size:	820 x 260mm	Date and time:	07/04/2023 17:12

Client

Figure 6.33b
Viewpoint 15: Gelligaer Common and Rhymney Valley Ridgeway Walk

North View



Wireline drawing

View flat at a comfortable arm's length

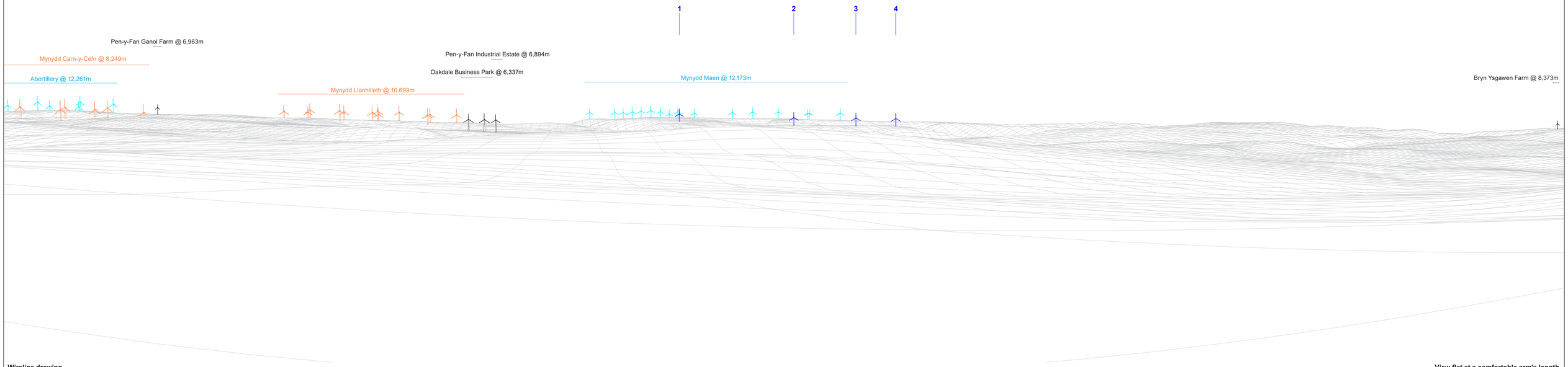
Wind Farm Key: Trecelyn Wind Farm | Existing | Consented | Application | Scoping

OS reference:	E312 691, N199 372	Horizontal field of view:	90º (cylindrical projection)	Camera:	Canon EOS 5D Mk2
Eye level:	290.5m AOD	Principal distance:	522mm	Lens:	50mm (Canon EF 50mm f/1.8)
Direction of view:	88º	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	10,731m	Correct printed image size:	820 x 260mm	Date and time:	07/04/2023 17:12

Client

Figure 6.33c
Viewpoint 15: Gelligaer Common and Rhymney Valley Ridgeway Walk

East View



Wireline drawing

View flat at a comfortable arm's length

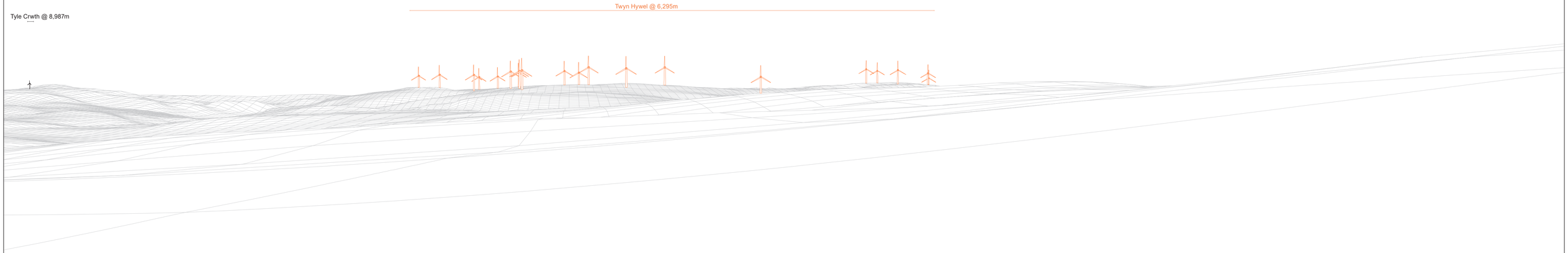
Wind Farm Key: Trecelyn Wind Farm | Existing | Consented | Application | Scoping

OS reference:	E312 691, N199 372	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 5D Mk2
Eye level:	290.5m AOD	Principal distance:	522mm	Lens:	50mm (Canon EF 50mm f/1.8)
Direction of view:	88°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	10,731m	Correct printed image size:	820 x 260mm	Date and time:	07/04/2023 17:12

Client

Figure 6.33d
Viewpoint 15: Gelligaer Common and Rhymney Valley Ridgeway Walk

South View



Wireline drawing

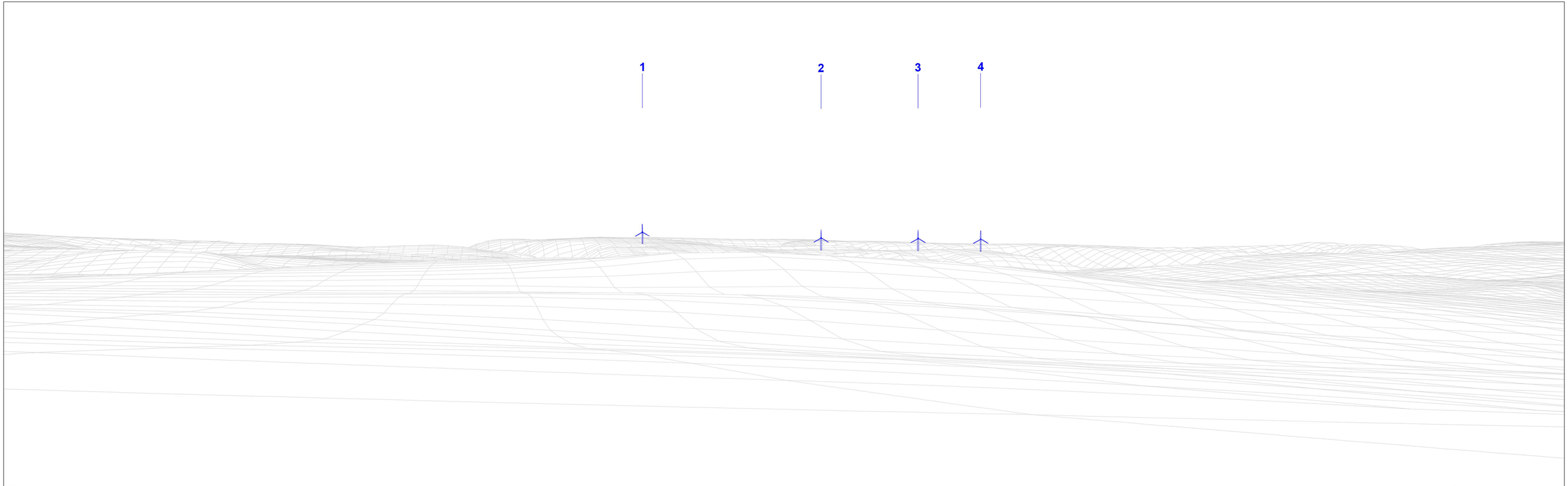
View flat at a comfortable arm's length

Wind Farm Key: Trecelyn Wind Farm | Existing | Consented | Application | Scoping

OS reference:	E312 691, N199 372	Horizontal field of view:	90º (cylindrical projection)	Camera:	Canon EOS 5D Mk2
Eye level:	290.5m AOD	Principal distance:	522mm	Lens:	50mm (Canon EF 50mm f/1.8)
Direction of view:	88°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	10,731m	Correct printed image size:	820 x 260mm	Date and time:	07/04/2023 17:12

Client

Figure 6.33e
Viewpoint 15: Gelligaer Common and Rhymney Valley Ridgeway Walk



Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key: Trecelyn Wind Farm

OS reference:	E312 691, N199 372	Horizontal field of view:	53.5° (planar projection)	Camera:	Canon EOS 5D Mk2
Eye level:	290.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Canon EF 50mm f/1.8)
Direction of view:	88°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	10,731m	Correct printed image size:	820 x 260mm	Date and time:	07/04/2023 17:12

Client

Trecelyn Wind Farm
Landscape and Visual Impact Assessment

Figure 6.33f
Viewpoint 15: Gelligaer Common and Rhymney Valley Ridgeway Walk

October 2023

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OS reference:	E312 691, N199 372	Horizontal field of view:	53.5° (planar projection)	Camera:	Canon EOS 5D Mk2
Eye level:	290.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Canon EF 50mm f/1.8)
Direction of view:	88°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	10,731m	Correct printed image size:	820 x 260mm	Date and time:	07/04/2023 17:12

Client

Trecelyn Wind Farm
Landscape and Visual Impact Assessment

Figure 6.33g
Viewpoint 15: Gelligaer Common and Rhymney Valley Ridgeway Walk

October 2023

Photomontage

View flat at a comfortable arm's length

OS reference:	E312 691, N199 372	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 5D Mk2
Eye level:	290.5m AOD	Principal distance:	522mm	Lens:	50mm (Canon EF 50mm f/1.8)
Direction of view:	88°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	10,731m	Correct printed image size:	820 x 260mm	Date and time:	07/04/2023 17:12

Client

Trecelyn Wind Farm
Landscape and Visual Impact Assessment

Figure 6.33h
Viewpoint 15: Gelligaer Common and Rhymney Valley Ridgeway Walk

October 2023

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