



Offshore Wind Power Limited

# West of Orkney Offshore EIA Report

## Volume 2, Supporting Study 20: SLVIA Visualisations

WO1-WOW-CON-EV-RP-0059: Approved by S.Kerr

Document Control 18/09/2023

**ASSIGNMENT** L100632-S05  
**DOCUMENT** L-100632-S05-A-REPT-012



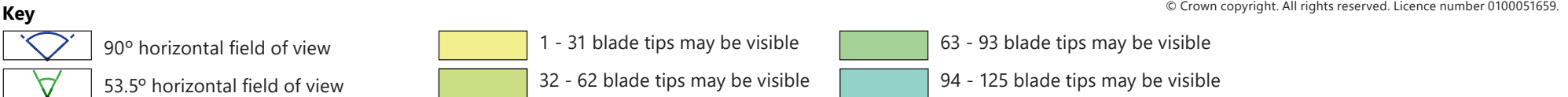
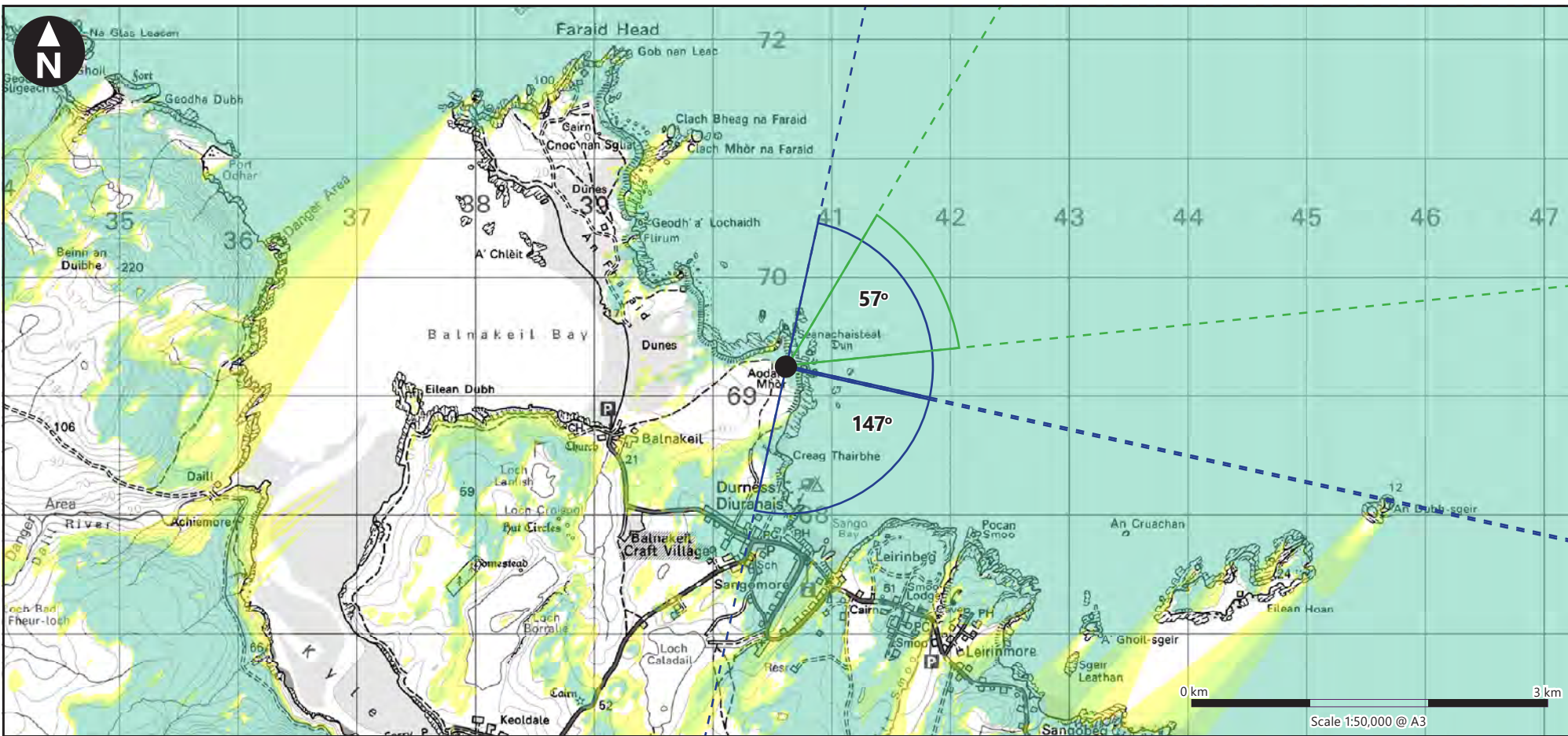
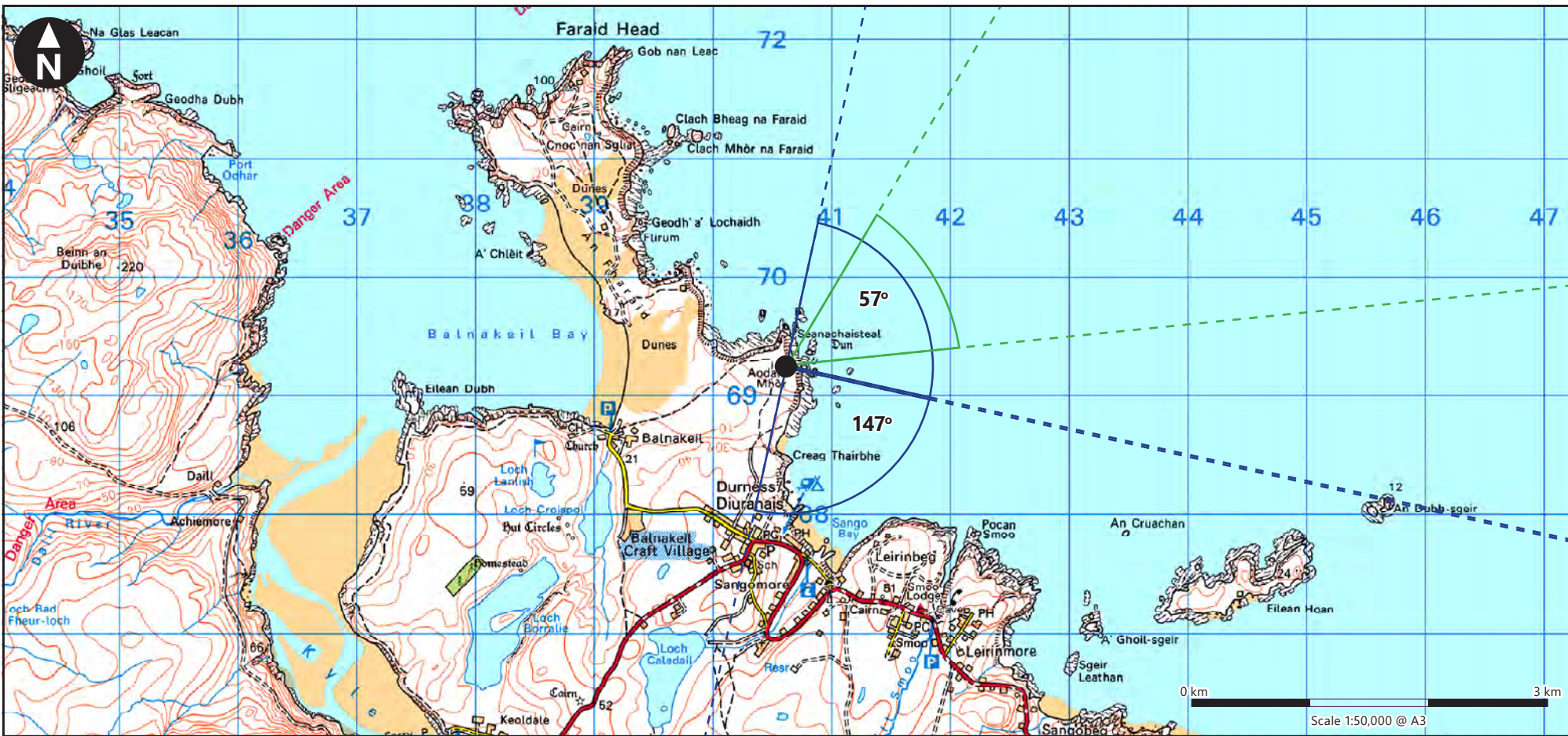
Aberdeen

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### Viewpoint Parameters

OS reference:	N240 604, E969 244
Ground Level Elevation:	41m AOD
Camera Height:	1.5m AGL
Direction of view to site centre <sup>3</sup> :	45°
Distance to nearest turbine:	26,733m
Number of blade tips theoretically visible <sup>4</sup> :	125
Number of hubs theoretically visible <sup>4</sup> :	125
Date and time of viewpoint photography:	30/10/2022 @ 09:25
Camera:	Nikon Z6 II
Lens:	50mm (Nikon Z 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: LORKNEY001.WFL
  - Hub height: 194.52m
  - Rotor diameter: 330m
  - Height to blade tip: 359.52m
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

West of Orkney Offshore Wind Farm  
EIA Report

**Figure 18.VP1a**  
**Viewpoint 1: Faraid Head**

July 2023



### Baseline photograph

**This image provides landscape and visual context only**

Extent of central 50mm frame used to construct panorama

### Extent of 53.5° planar panorama

## West of Orkney @ 26,733m

Hoy Community @ 90,604m

ounreay Tri @ 52,122m

## entland Floating @ 50,215m

## Wireline drawing

**View flat at a comfortable arm's length.**

**Wind Farm Key:**  West of Orkney Wind Farm  Existing  Consented  Application

OS reference:	N240 604, E969 244	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	42.5m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	57°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	26,733m	Correct printed image size:	820 x 130mm	Date and time:	30/10/2022 09:25

Client

West of Orkney Offshore Wind Farm  
EIA Report

**Figure 18.VP1b**  
**Viewpoint 1: Faraid Head**

July 2023







Baseline photograph

This image provides landscape and visual context only

Forss I & II @ 61,086m

Forss III @ 61,732m

Cairnmore Hill @ 65,297m

Hill of Lybster @ 61,894m

Thusater Farm @ 66,413m

Wireline drawing

Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

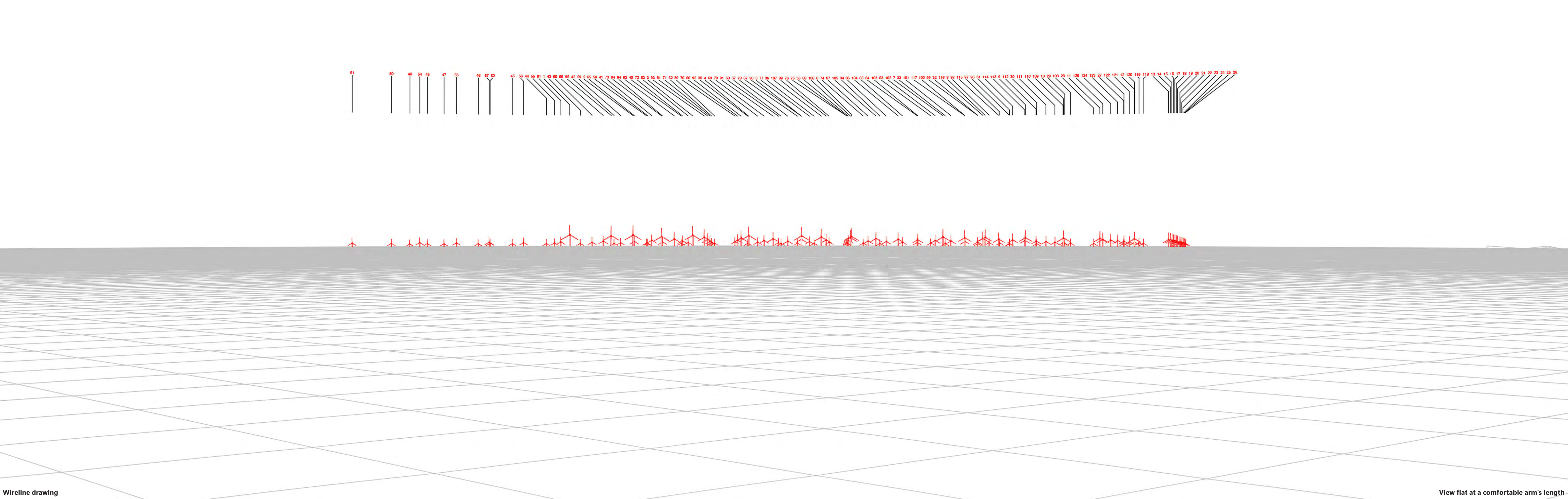
OS reference:	N240 604, E969 244	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	42.5m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	147°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	26,733m	Correct printed image size:	820 x 130mm	Date and time:	30/10/2022 09:25

Client		West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP1c</b> <b>Viewpoint 1: Faraid Head</b>	July 2023	
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Originator: wils03

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Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

OS reference:	N240 604, E969 244	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	42.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	57°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	26,733m	Correct printed image size:	820 x 260mm	Date and time:	30/10/2022 09:25

Client		West of Orkney Offshore Wind Farm EIA Report	Figure 18.VP1d Viewpoint 1: Faraid Head	July 2023	
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Photomontage

View flat at a comfortable arm's length

OS reference:	N240 604, E969 244	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II		West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP1e</b> <b>Viewpoint 1: Faraid Head</b>	
Eye level:	42.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)				
Direction of view:	57°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL				
Nearest turbine:	26,733m	Correct printed image size:	820 x 260mm	Date and time:	30/10/2022 09:25				
								July 2023	

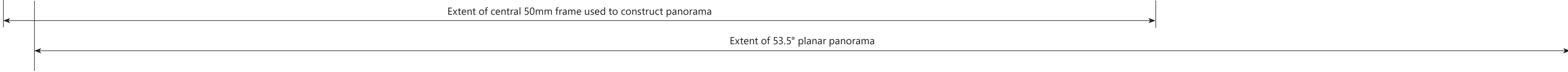
July 2023



Northeast view

Baseline photograph

This image provides landscape and visual context only



West of Orkney @ 26,733m

Pentland Floating @ 50,215m

Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key: West of Orkney Wind Farm Lit Consented Wind Farms Lit Application Wind Farms

OS reference:	N240 604, E969 244	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	42.5m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	57°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	26,733m	Correct printed image size:	820 x 130mm	Date and time:	29/10/2022 18:10



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP1f  
Viewpoint N1: Faraid Head

February 2023



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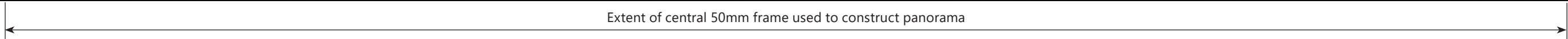
Originator: wils03



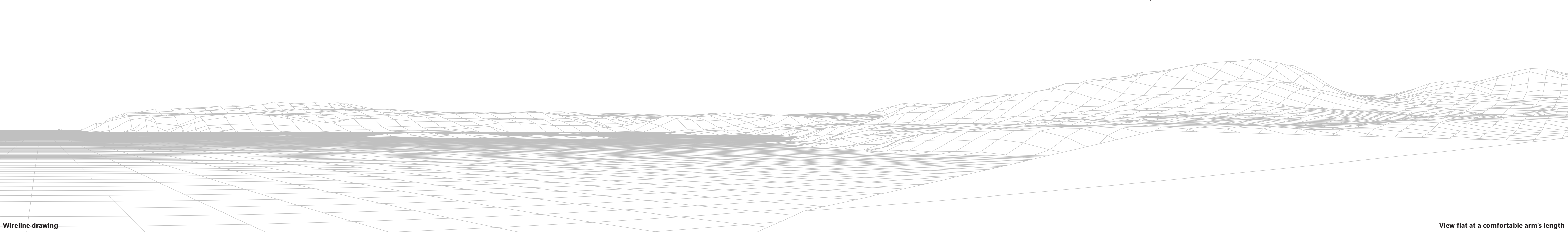


Baseline photograph

This image provides landscape and visual context only



Extent of central 50mm frame used to construct panorama





Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key:  West of Orkney Wind Farm  Lit Consented Wind Farms  Lit Application Wind Farms

OS reference:	N240 604, E969 244	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	42.5m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	147°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	26,733m	Correct printed image size:	820 x 130mm	Date and time:	29/10/2022 18:10

Client		West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP1g</b> <b>Viewpoint N1: Faraid Head</b>	February 2023	
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Originator: wils03

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Wireline drawing

OS reference:	N240 604, E969 244	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	42.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	57°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	26,733m	Correct printed image size:	820 x 260mm	Date and time:	29/10/2022 18:10

Client



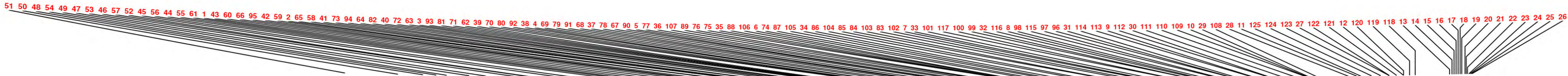
West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP1h  
Viewpoint N1: Faraid Head

February 2023



View flat at a comfortable arm's length





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Photomontage (2000cd / 200cd Intensity Lighting)

View flat at a comfortable arm's length

OS reference:	N240 604, E969 244	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	42.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	57°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	26,733m	Correct printed image size:	820 x 260mm	Date and time:	29/10/2022 18:10

Client



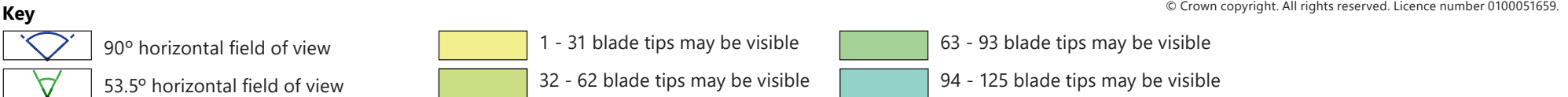
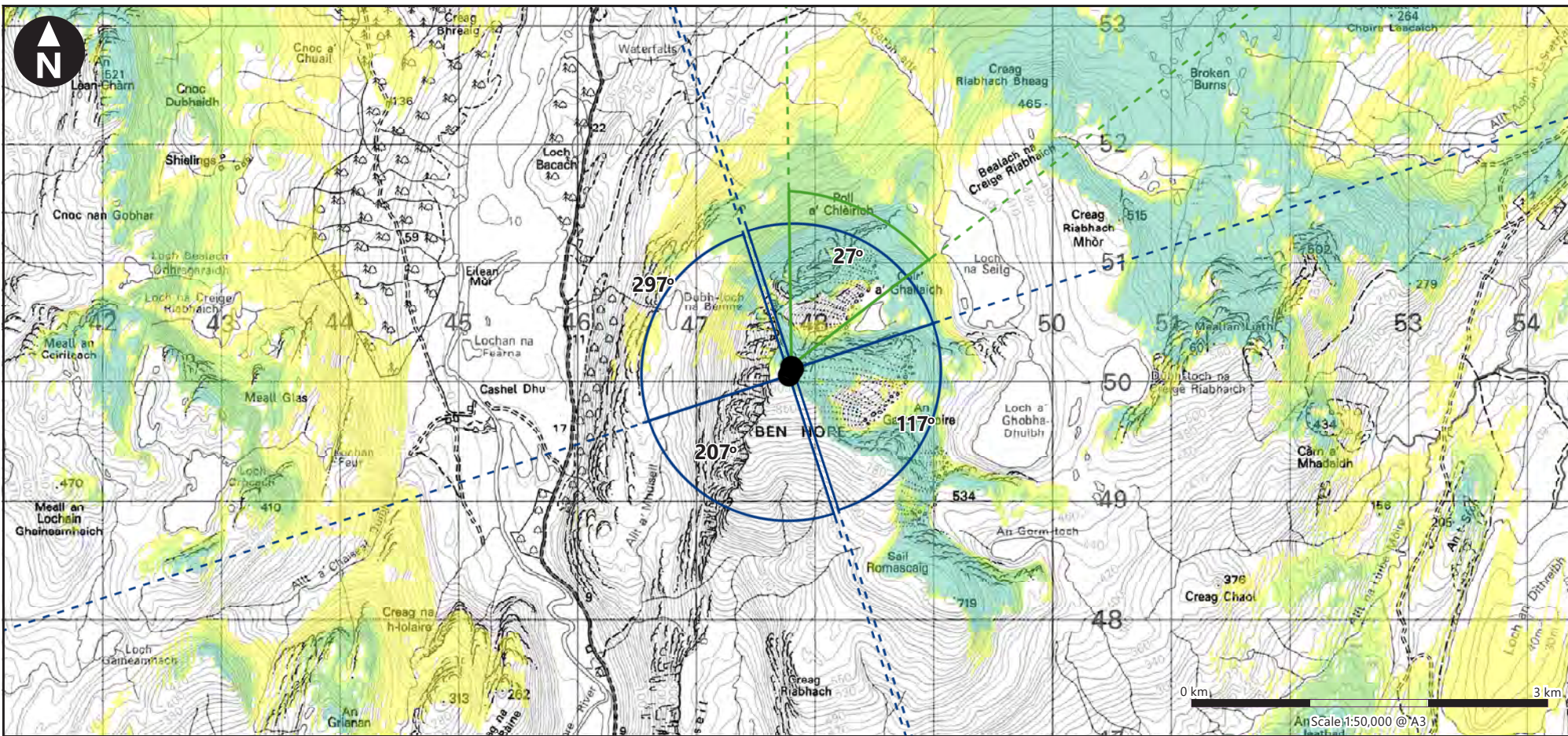
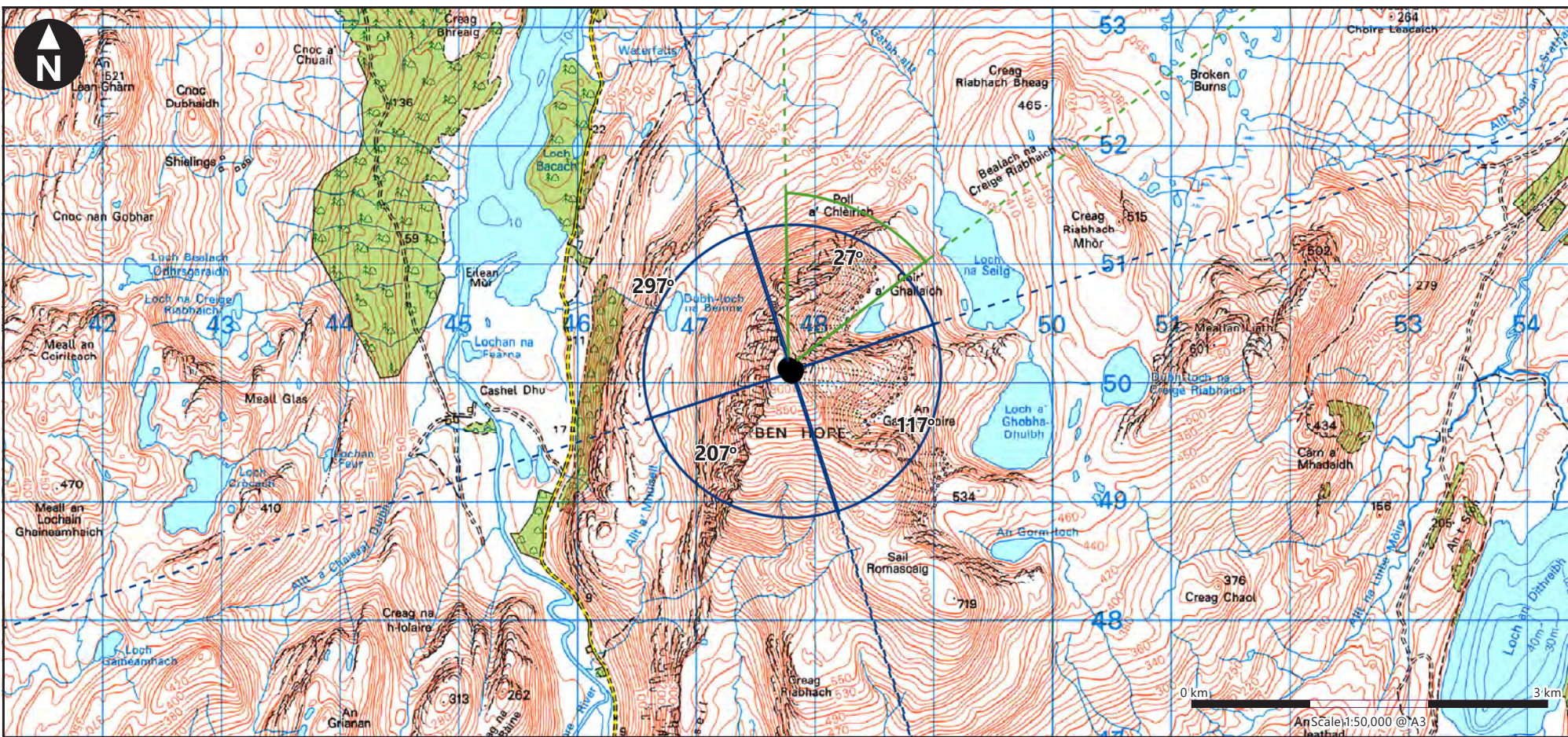
West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP1i  
Viewpoint N1: Faraid Head

February 2023







### Viewpoint Parameters

OS reference:	N950 143, E247 744
Ground Level Elevation:	921.2m AOD
Camera Height:	1.5m AGL
Direction of view to site centre <sup>3</sup> :	27°
Distance to nearest turbine:	41,897m
Number of blade tips theoretically visible <sup>4</sup> :	125
Number of hubs theoretically visible <sup>4</sup> :	125
Date and time of viewpoint photography:	20/09/2019 @ 09:52
Camera:	Nikon Z6 II
Lens:	50mm (Nikon Z 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;
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- 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: LORKNEY001.WFL
  - Hub height: 194.52m
  - Rotor diameter: 330m
  - Height to blade tip: 359.52m
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



West of Orkney Offshore Wind Farm  
EIA Report

**Figure 18.VP2a**  
**Viewpoint 2: Ben Hope**

July 2023





Northeast view

Baseline photograph

This image provides landscape and visual context only

Extent of central 50mm frame used to construct panorama

West of Orkney @ 41,897 m

Extent of 53.5° planar panorama

Costa Head @ 114,839 m

Holodykes @ 110,455 m

Burgar Hill @ 114,964 m

Nisthill @ 112,687 m

Hammars Hill Extension @ 115,363 m

West Hill, Flotta @ 97,801 m

Bettyhill @ 28,075 m

Berriedale @ 107,489 m

Forss I & II @ 57,391 m

Northfield, Burray @ 111,564 m

Balmore Farm @ 56,779 m

Hoy Community @ 91,163 m

Hill of Lybster @ 58,040 m

Pentland Floating @ 57,984 m

Thusater Farm @ 62,497 m

Hesta Head @ 104,880 m

Armadale @ 31,967 m



Forss III @ 57,921 m

Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

OS reference:	N950 143, E247 744	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	922.7m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	27°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	41,897m	Correct printed image size:	820 x 130mm	Date and time:	20/9/2019 09:52

Client		West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP2b</b> <b>Viewpoint 2: Ben Hope</b>	July 2023	
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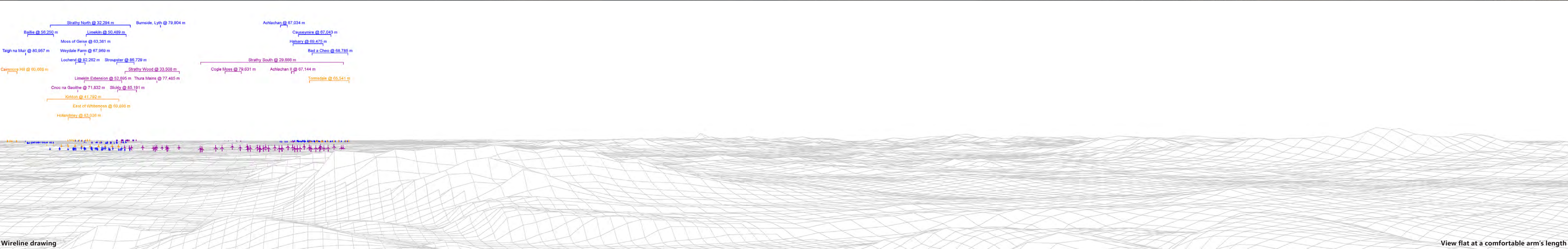


Southeast view



Baseline photograph

This image provides landscape and visual context only





Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key:  West of Orkney Wind Farm  Existing  Consented  Application

OS reference:	N950 143, E247 744	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	922.7m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	117°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	41.897m	Correct printed image size:	820 x 130mm	Date and time:	20/9/2019 09:52

Client		West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP2c</b> <b>Viewpoint 2: Ben Hope</b>	July 2023	
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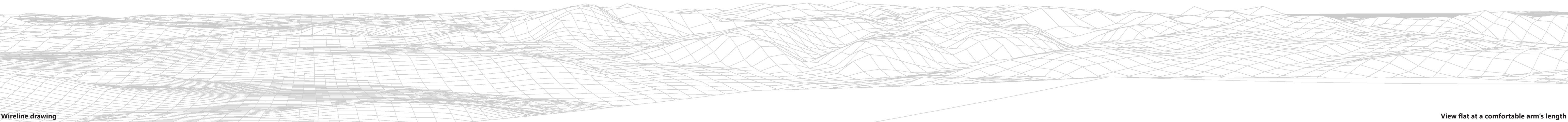


Southwest view



Baseline photograph

This image provides landscape and visual context only



Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key:  West of Orkney Wind Farm  Existing  Consented  Application

OS reference:	N950 143, E247 744	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	922.7m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	207°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	41.897m	Correct printed image size:	820 x 130mm	Date and time:	20/9/2019 09:52

Client



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP2d  
Viewpoint 2: Ben Hope

July 2023



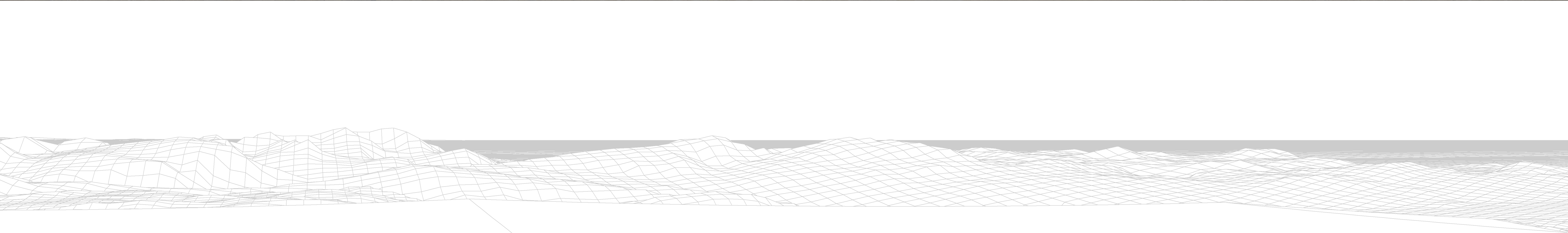


Northwest view



Baseline photograph

This image provides landscape and visual context only



Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key:  West of Orkney Wind Farm  Existing  Consented  Application

OS reference:	N950 143, E247 744	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	922.7m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	297°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	41.897m	Correct printed image size:	820 x 130mm	Date and time:	20/9/2019 09:52

Client



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP2e  
Viewpoint 2: Ben Hope

July 2023

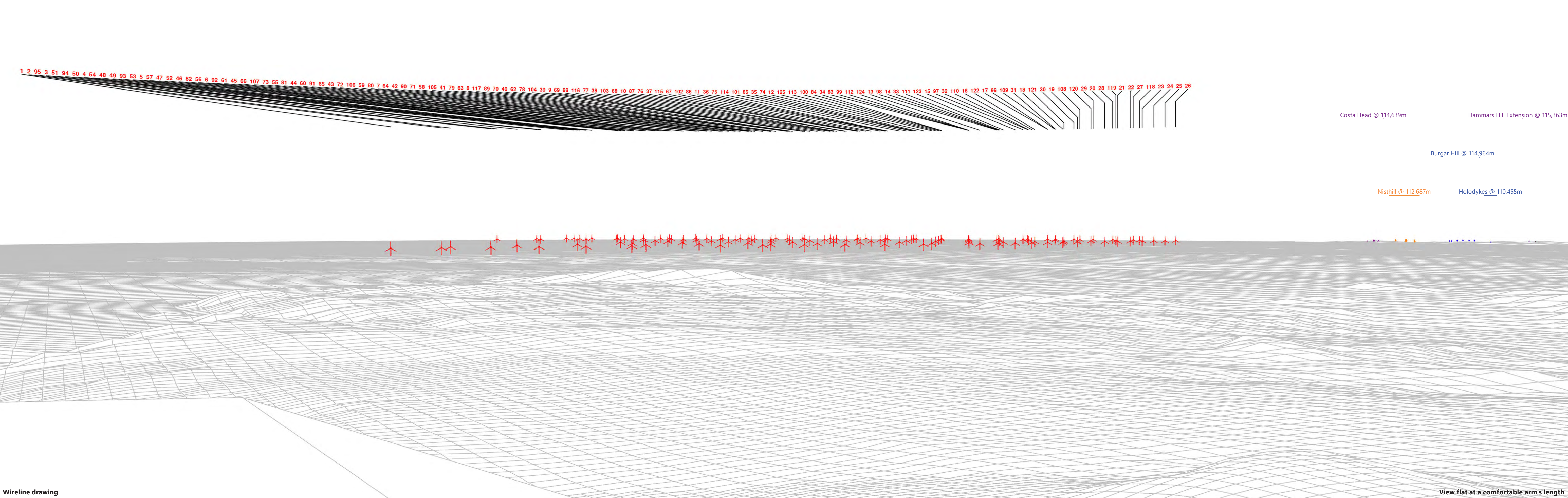


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Originator: wils03

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Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key:  West of Orkney Wind Farm  Existing  Consented  Application

OS reference:	N950 143, E247 744	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	922.7m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	27°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	41.897m	Correct printed image size:	820 x 260mm	Date and time:	20/9/2019 09:52

Client



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP2f  
Viewpoint 2: Ben Hope

July 2023





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Photomontage

View flat at a comfortable arm's length

OS reference:	N950 143, E247 744	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	922.7m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	27°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	41.897m	Correct printed image size:	820 x 260mm	Date and time:	20/9/2019 09:52

Client



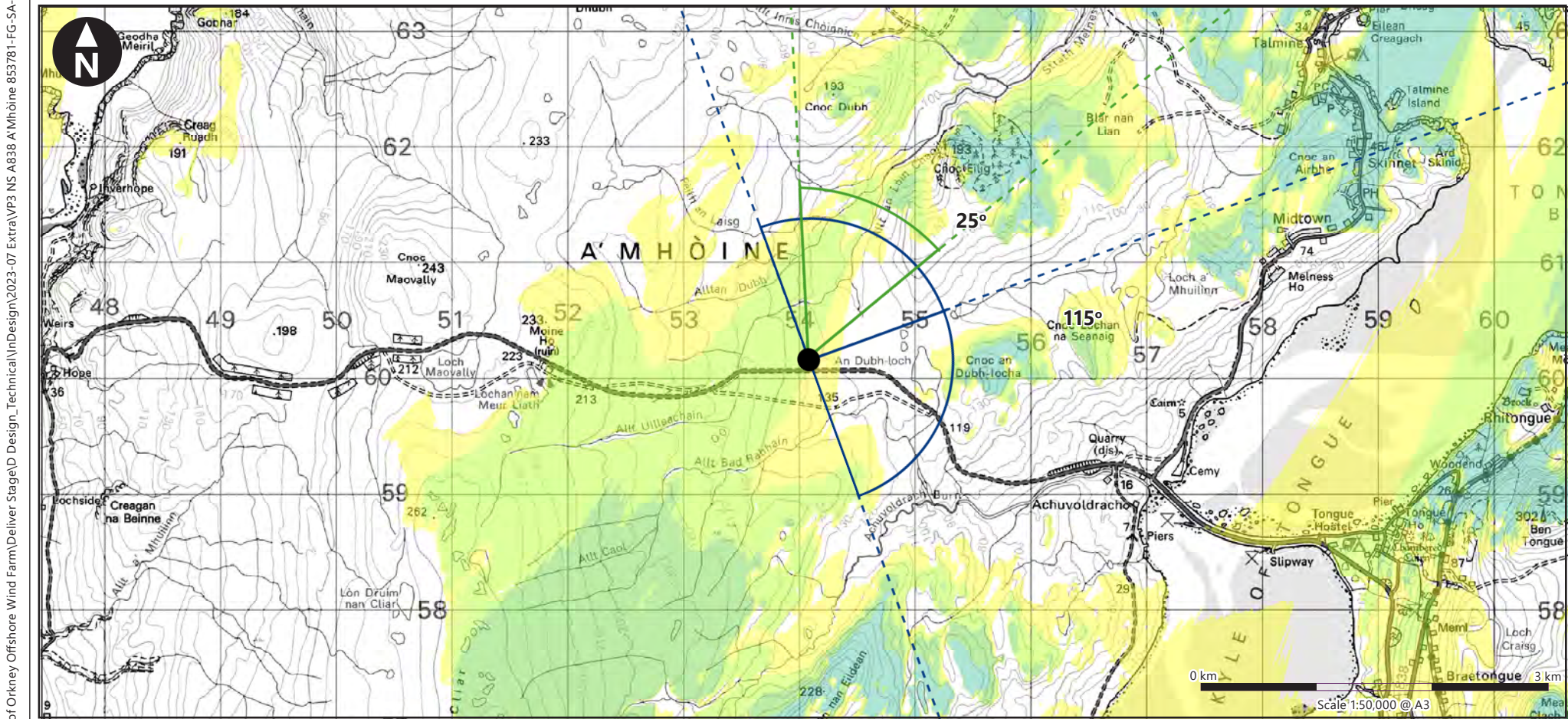
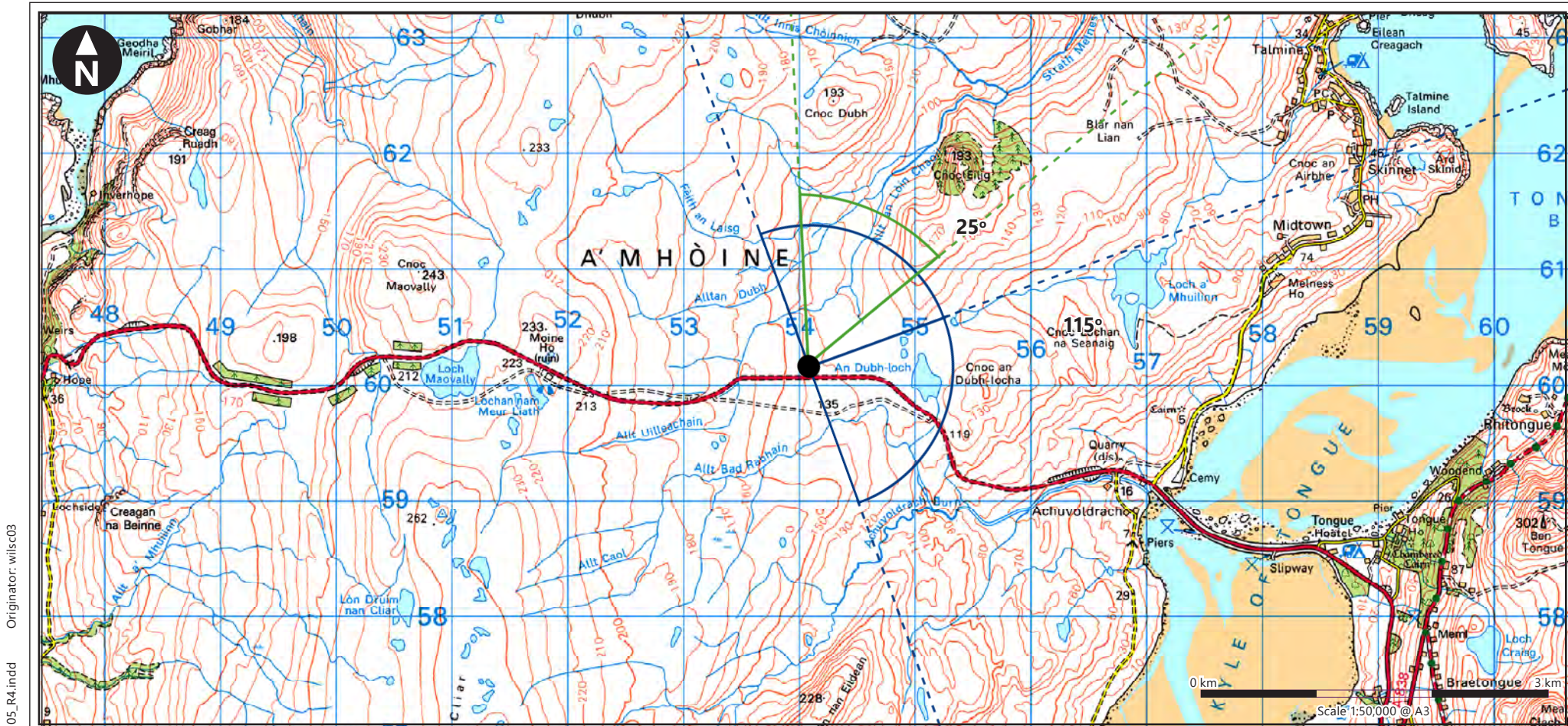
West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP2g  
Viewpoint 2: Ben Hope

July 2023







Key

- |  |                                |  |                                   |  |                                    |
|--|--------------------------------|--|-----------------------------------|--|------------------------------------|
|  | 90° horizontal field of view   |  | 1 - 31 blade tips may be visible  |  | 63 - 93 blade tips may be visible  |
|  | 53.5° horizontal field of view |  | 32 - 62 blade tips may be visible |  | 94 - 125 blade tips may be visible |

Viewpoint Parameters

OS reference:	E254,072, N960,068
Ground Level Elevation:	137.7m AOD
Camera Height:	1.5m AGL
Direction of view to site centre <sup>3</sup> :	25°
Distance to nearest turbine:	31,243 m
Number of blade tips theoretically visible <sup>4</sup> :	62
Number of hubs theoretically visible <sup>4</sup> :	62
Date and time of viewpoint photography:	30/10/2022 @ 10:51
Camera:	Nikon Z6 II
Lens:	50mm (Nikon Z 50mm f/1.8)

Information on the limitations of visualisations:

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- 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;
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Additional notes:

1. This figure has been based on the following parameters:  
Turbine layout file: LORKNEY001.WFL
  - Hub height: 194.52m
  - Rotor diameter: 330m
  - Height to blade tip: 359.52m
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



West of Orkney Offshore Wind Farm  
EIA Report

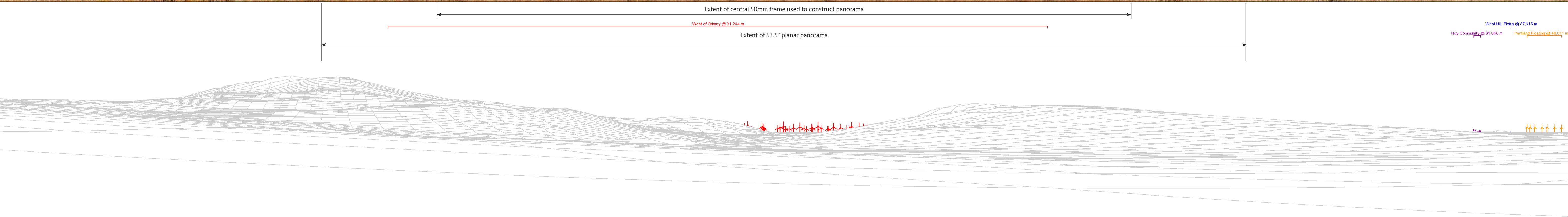
Figure 18.VP3a  
Viewpoint 3: A838 A'Mhòine

July 2023





**This image provides landscape and visual context only**



## Wireline drawing

**Wind Farm Key:**  West of Orkney Wind Farm  Existing  Consented  Application

OS reference:	E254,072, N960,068	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	139.2m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	25°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	31.243m	Correct printed image size:	820 x 130mm	Date and time:	30/10/2022 10:51

Client

West of Orkney Offshore Wind Farm  
EIA Report

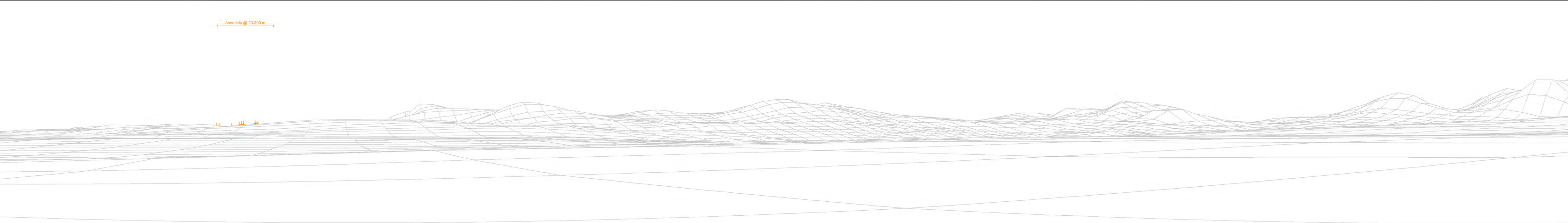
**Figure 18.VP3b**  
**Viewpoint 3: A838 A'Mhòine**








**View flat at a comfortable arm's length**

July 2023



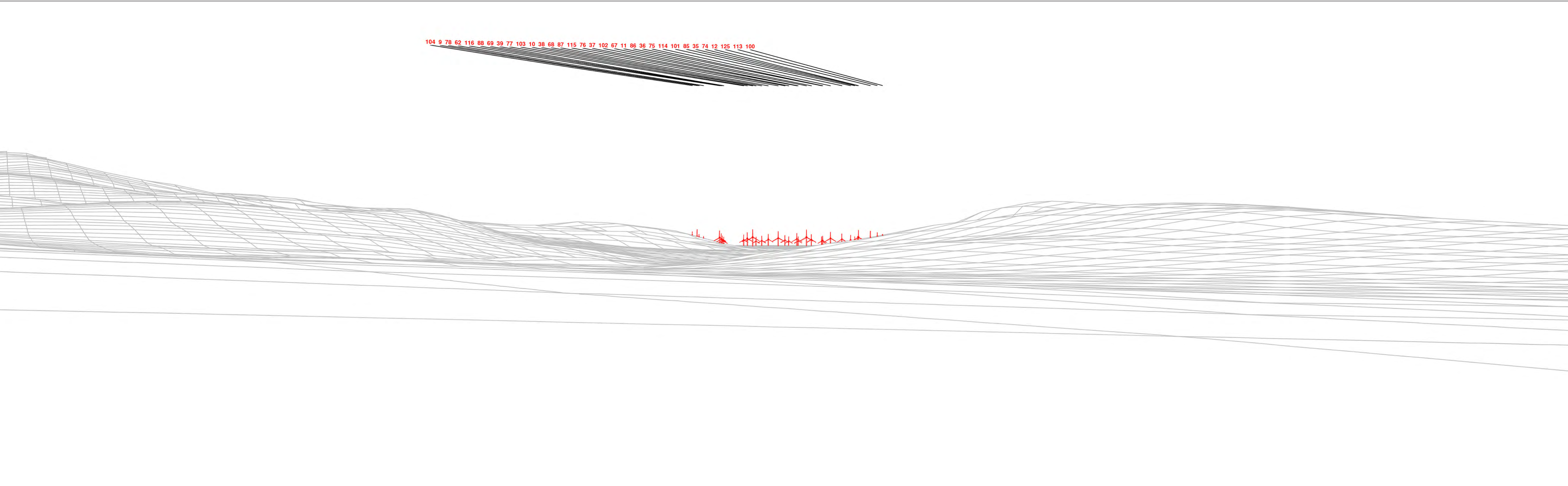




Wireline drawing										View flat at a comfortable arm's length									
<b>Wind Farm Key:</b>  West of Orkney Wind Farm  Existing  Consented  Application	OS reference:		E254,072, N960,068		Horizontal field of view:		90° (cylindrical projection)		Camera:		Nikon Z6 II			Client		West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP3c</b> <b>Viewpoint 3: A838 A'Mhòine</b>		
	Eye level:		139.2m AOD		Principal distance:		522mm		Lens:		50mm (Nikon Z 50mm f/1.8)								
	Direction of view:		115°		Paper size:		841mm x 297mm (half A1)		Camera height:		1.5m AGL								
	Nearest turbine:		31,243m		Correct printed image size:		820 x 130mm		Date and time:		30/10/2022 10:51								
July 2023																			



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Wireline drawing

Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

OS reference:	E254,072, N960,068	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	139.2m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	25°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	31.243m	Correct printed image size:	820 x 260mm	Date and time:	30/10/2022 10:51

Client



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP3d  
Viewpoint 3: A838 A'Mhòine

View flat at a comfortable arm's length

July 2023







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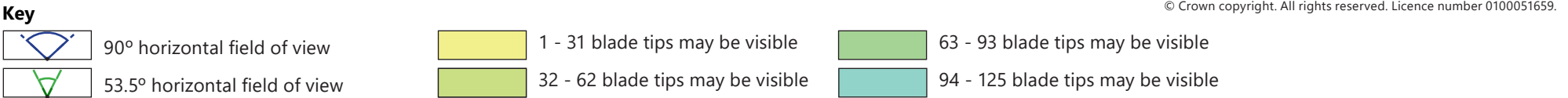
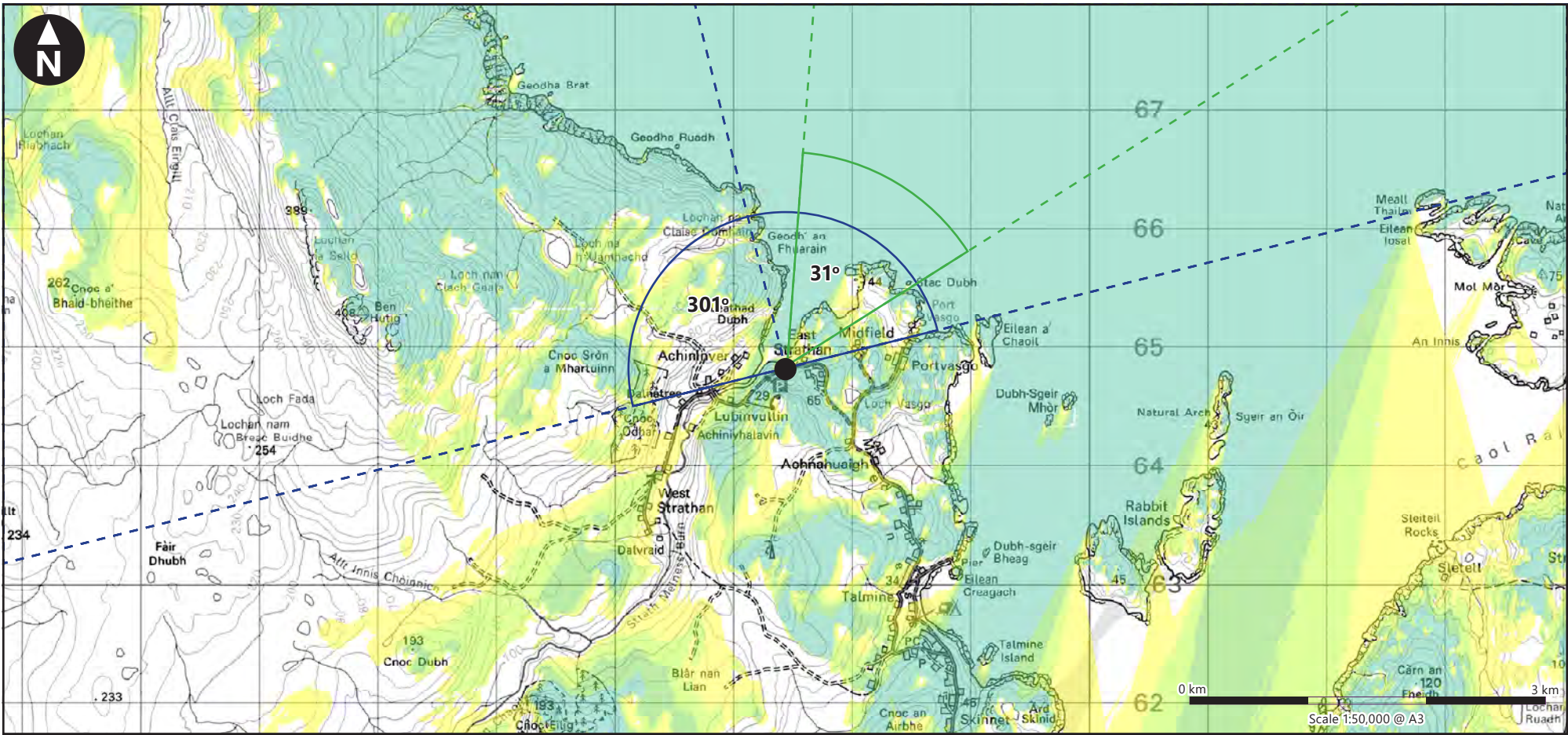
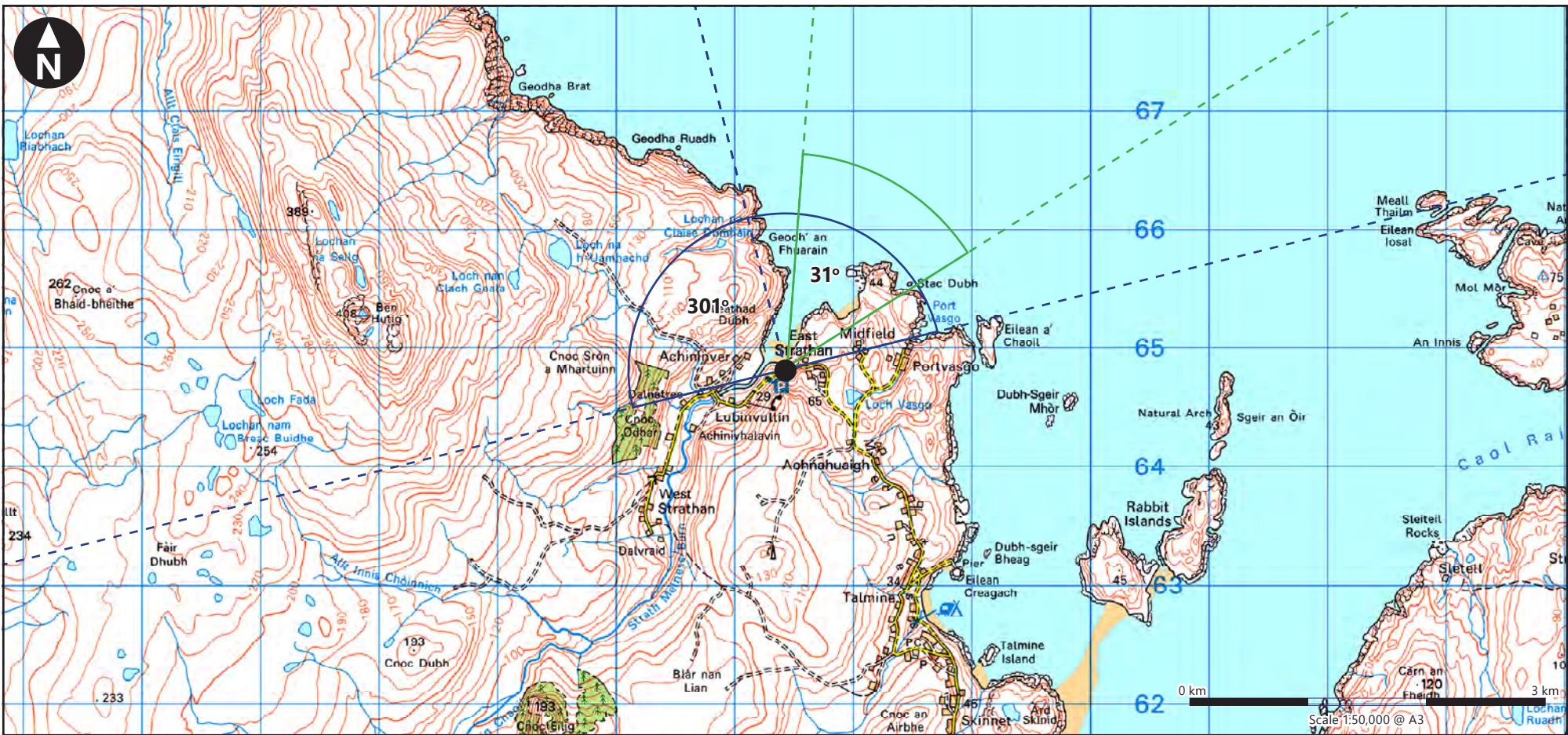
Photomontage

View flat at a comfortable arm's length

OS reference:	E254,072, N960,068	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	139.2m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	25°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	31.243m	Correct printed image size:	820 x 260mm	Date and time:	30/10/2022 10:51

Client		West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP3e</b> <b>Viewpoint 3: A838 A'Mhòine</b>	July 2023	
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### Viewpoint Parameters

OS reference:	E257,424, N964,814
Ground Level Elevation:	24.6m AOD
Camera Height:	1.5m AGL
Direction of view to site centre <sup>3</sup> :	27°
Distance to nearest turbine:	26,400 m
Number of blade tips theoretically visible <sup>4</sup> :	125
Number of hubs theoretically visible <sup>4</sup> :	125
Date and time of viewpoint photography:	30/10/2022 @ 11:17
Camera:	Nikon Z6 II
Lens:	50mm (Nikon Z 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: LORKNEY001.WFL
  - Hub height: 194.52m
  - Rotor diameter: 330m
  - Height to blade tip: 359.52m
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



West of Orkney Offshore Wind Farm  
EIA Report

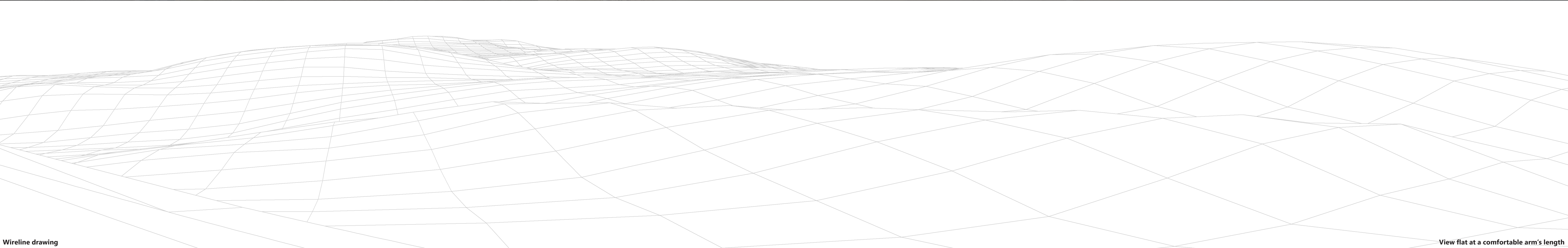
**Figure 18.VP4a**  
**Viewpoint 4: Achininver Beach**

July 2023





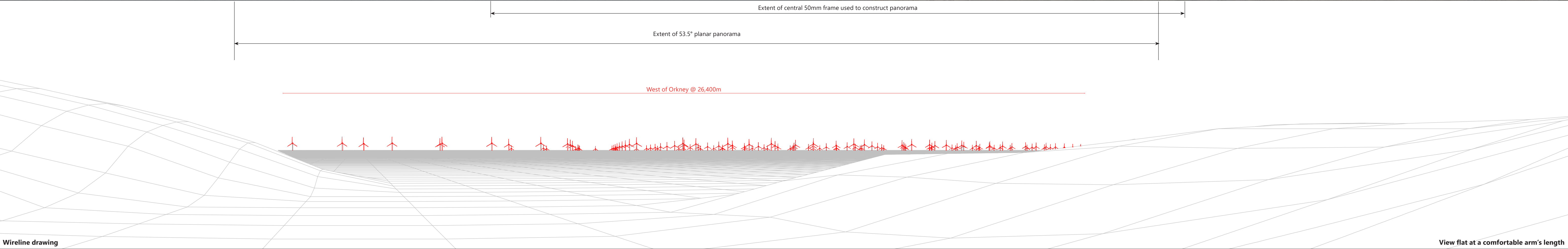
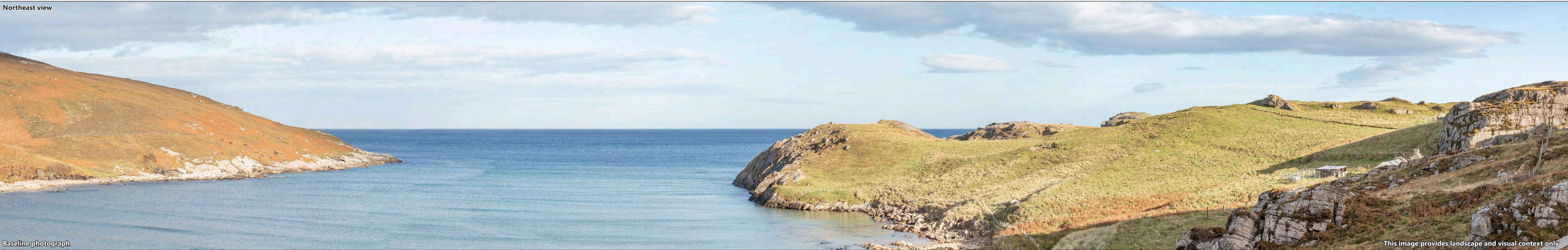
H:\data\Projects\053781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\Design\2023-07\ExtraVP4 NS Kyle of Tongue 053781-FG-SA-00007\_XS.mxd  
Originator: wilsc03



<b>Wind Farm Key:</b> West of Orkney Wind Farm  Existing  Consented  Application			OS reference: E257,424, N964,814 Eye level: 26.1m AOD Direction of view: 301° Nearest turbine: 26,400m		Horizontal field of view: 90° (cylindrical projection) Principal distance: 522mm Paper size: 841mm x 297mm (half A1) Correct printed image size: 820 x 130mm		Camera: Nikon Z6 II Lens: 50mm (Nikon Z 50mm f/1.8) Camera height: 1.5m AGL Date and time: 30/10/2022 11:17		Client	West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP4b</b> <b>Viewpoint 4: Achininver Beach</b>	July 2023
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Originator: wils03

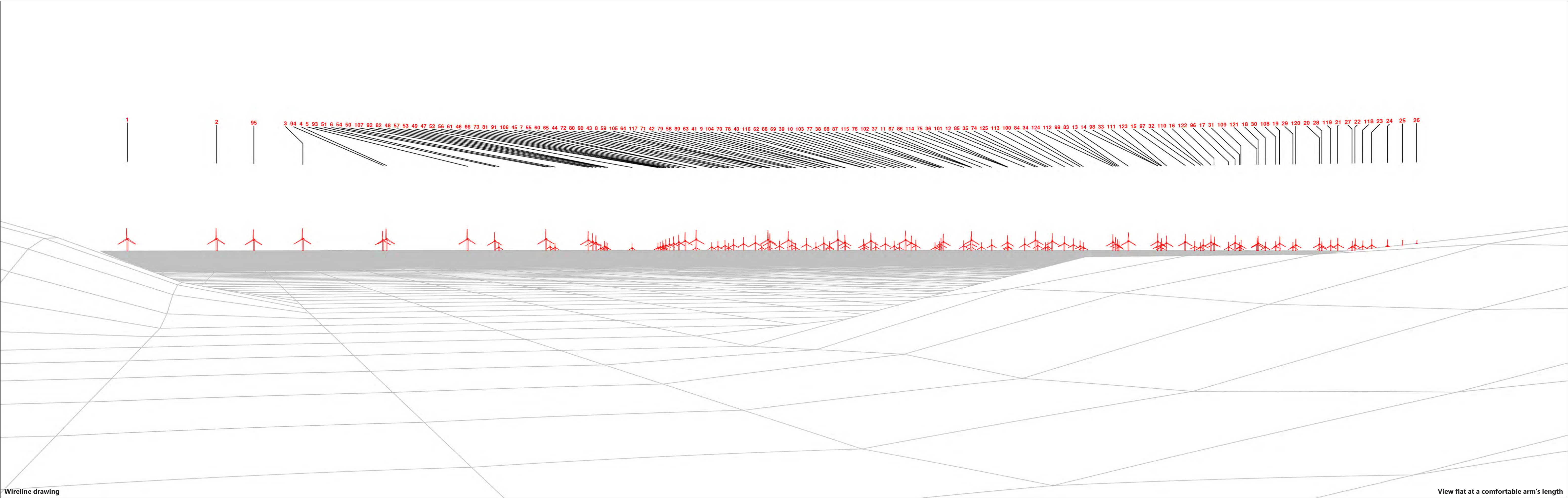


<b>Wind Farm Key:</b> West of Orkney Wind Farm  Existing  Consented  Application				OS reference: E257,424, N964,814 Eye level: 26.1m AOD Direction of view: 31° Nearest turbine: 26,400m		Horizontal field of view: 90° (cylindrical projection) Principal distance: 522mm Paper size: 841mm x 297mm (half A1) Correct printed image size: 820 x 130mm		Camera: Nikon Z6 II Lens: 50mm (Nikon Z 50mm f/1.8) Camera height: 1.5m AGL Date and time: 30/10/2022 11:17		Client	West of Orkney Offshore Wind Farm EIA Report	Figure 18.VP4c Viewpoint 4: Achininver Beach	July 2023
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Originator: wilsco3

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Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key:  West of Orkney Wind Farm  Existing  Consented  Application

OS reference:	E257,424, N964,814	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	26.1m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	31°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	26,400m	Correct printed image size:	820 x 260mm	Date and time:	30/10/2022 11:17

Client		West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP4d</b> <b>Viewpoint 4: Achininver Beach</b>	July 2023	
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Originator: wilsed03

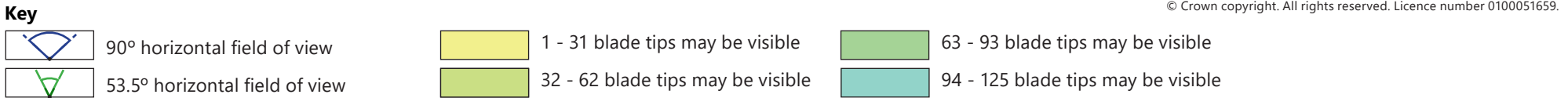
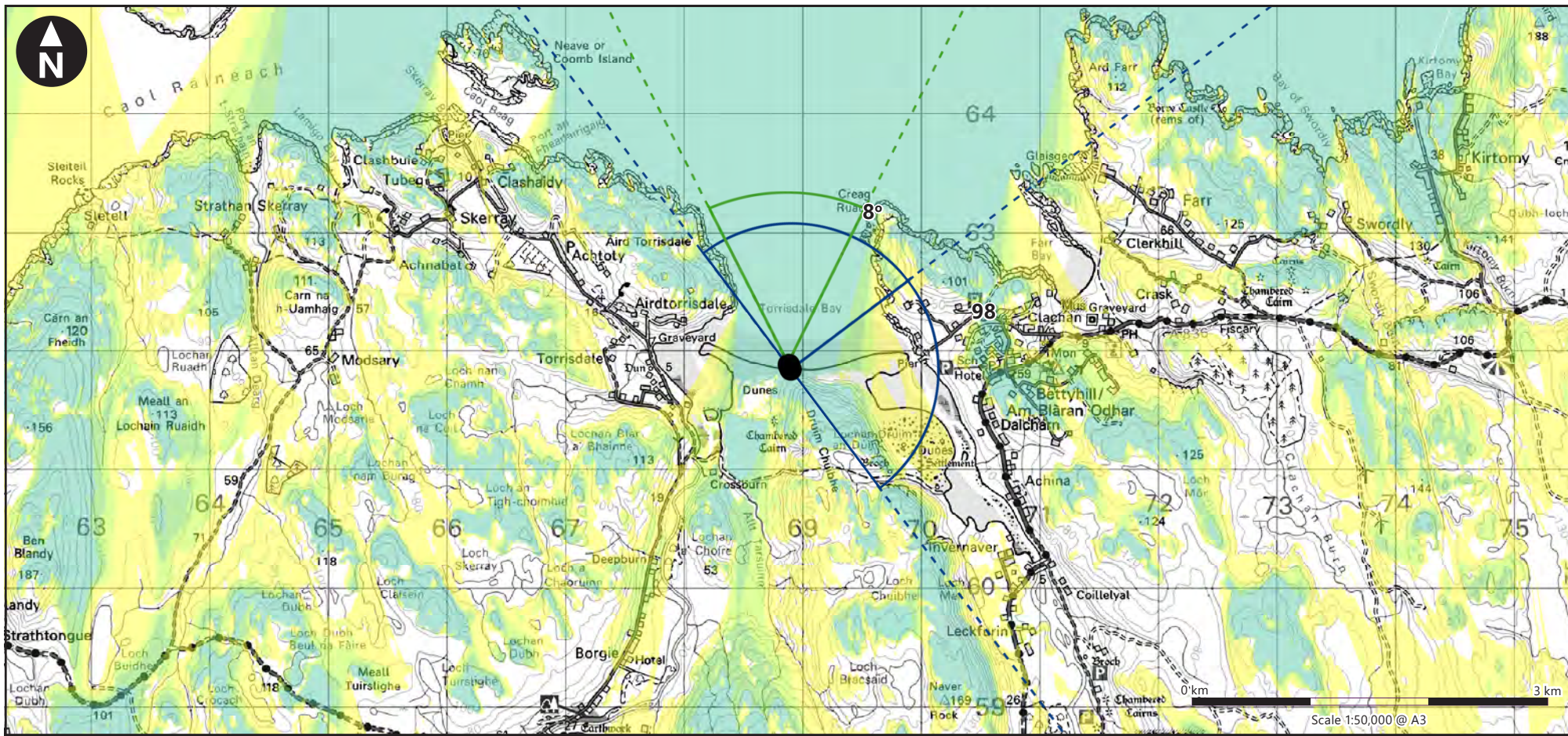
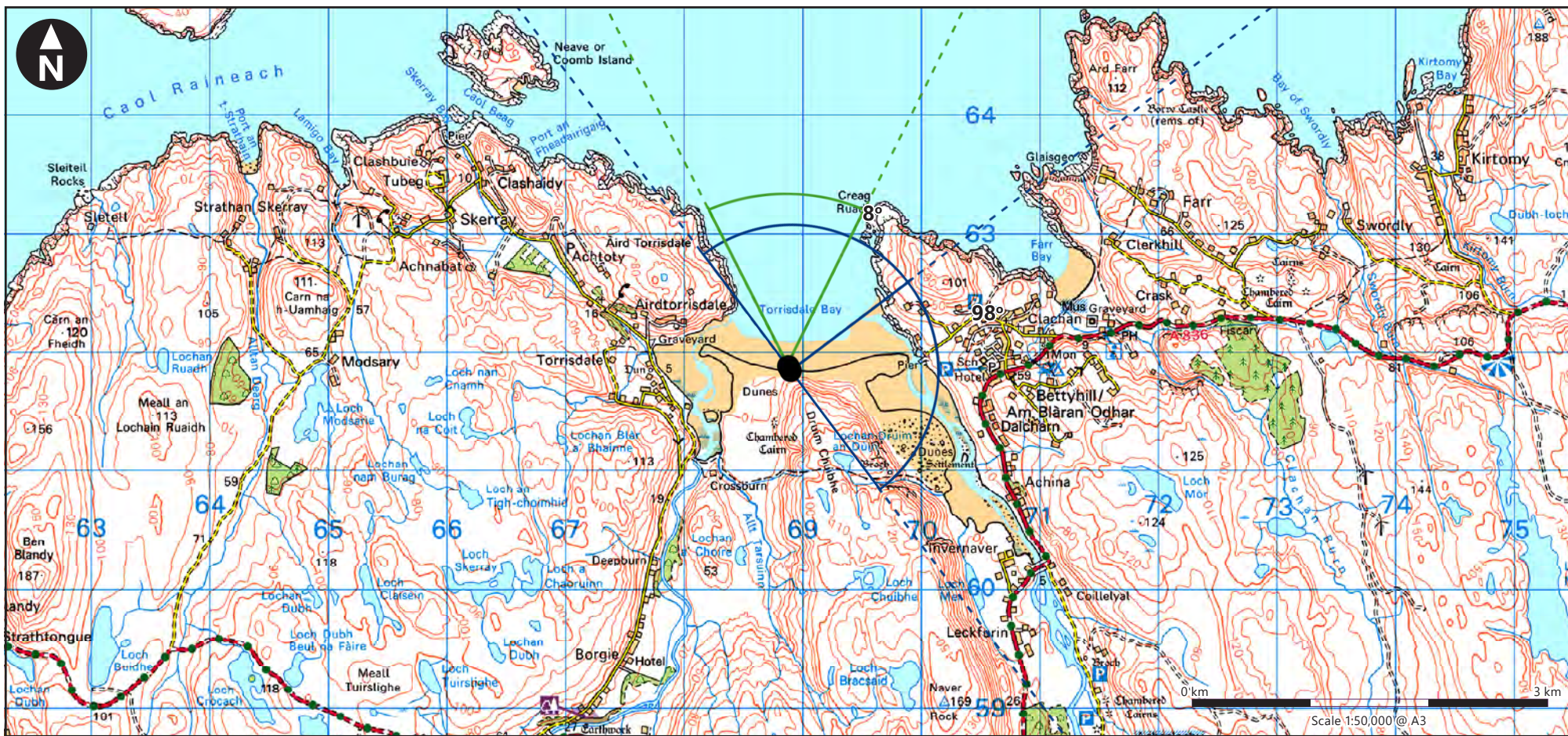


Photomontage

View flat at a comfortable arm's length

OS reference:	E257,424, N964,814	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II	<div>Client</div> <div></div>	West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP4e</b> <b>Viewpoint 4: Achininver Beach</b>	<div>July 2023</div> <div></div>
Eye level:	26.1m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)				
Direction of view:	31°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL				
Nearest turbine:	26,400m	Correct printed image size:	820 x 260mm	Date and time:	30/10/2022 11:17				





Viewpoint Parameters

OS reference:	E268,866, N961,857
Ground Level Elevation:	6.2m AOD
Camera Height:	1.5m AGL
Direction of view to site centre <sup>3</sup> :	8°
Distance to nearest turbine:	29,058m
Number of blade tips theoretically visible <sup>4</sup> :	125
Number of hubs theoretically visible <sup>4</sup> :	125
Date and time of viewpoint photography:	29/10/2022 @ 14:39
Camera:	Nikon Z6 II
Lens:	50mm (Nikon Z 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: LORKNEY001.WFL  
• Hub height: 194.52m  
• Rotor diameter: 330m  
• Height to blade tip: 359.52m
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



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP5a  
Viewpoint 5: Torrisdale Bay

July 2023

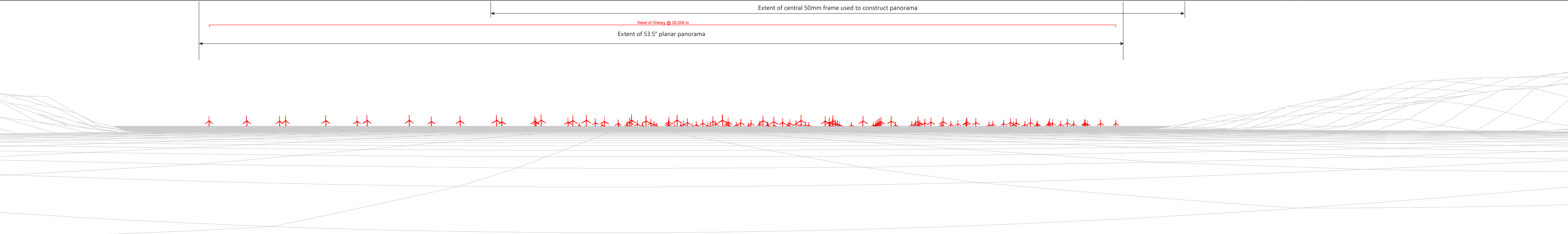






Baseline photograph

This image provides landscape and visual context only



Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

OS reference:	E268,866, N961,857	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	6.2m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	8°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	29,058m	Correct printed image size:	820 x 130mm	Date and time:	29/10/2022 14:39

Client



West of Orkney Offshore Wind Farm  
EIA Report

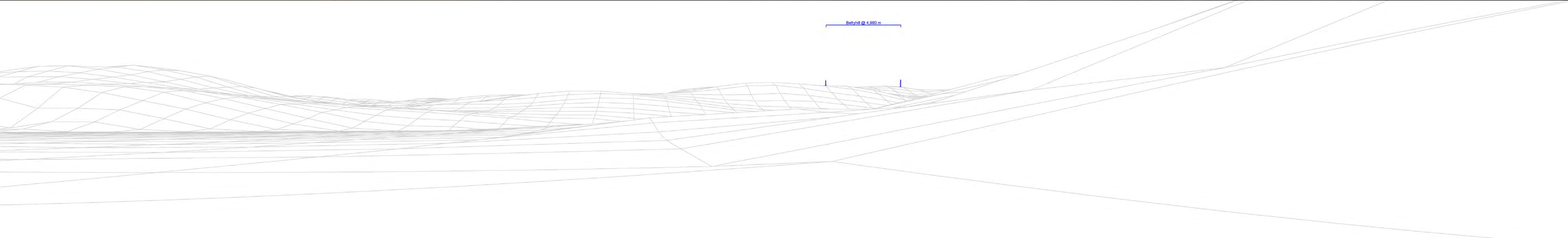
Figure 18.VP5b  
Viewpoint 5: Torrisdale Bay

July 2023



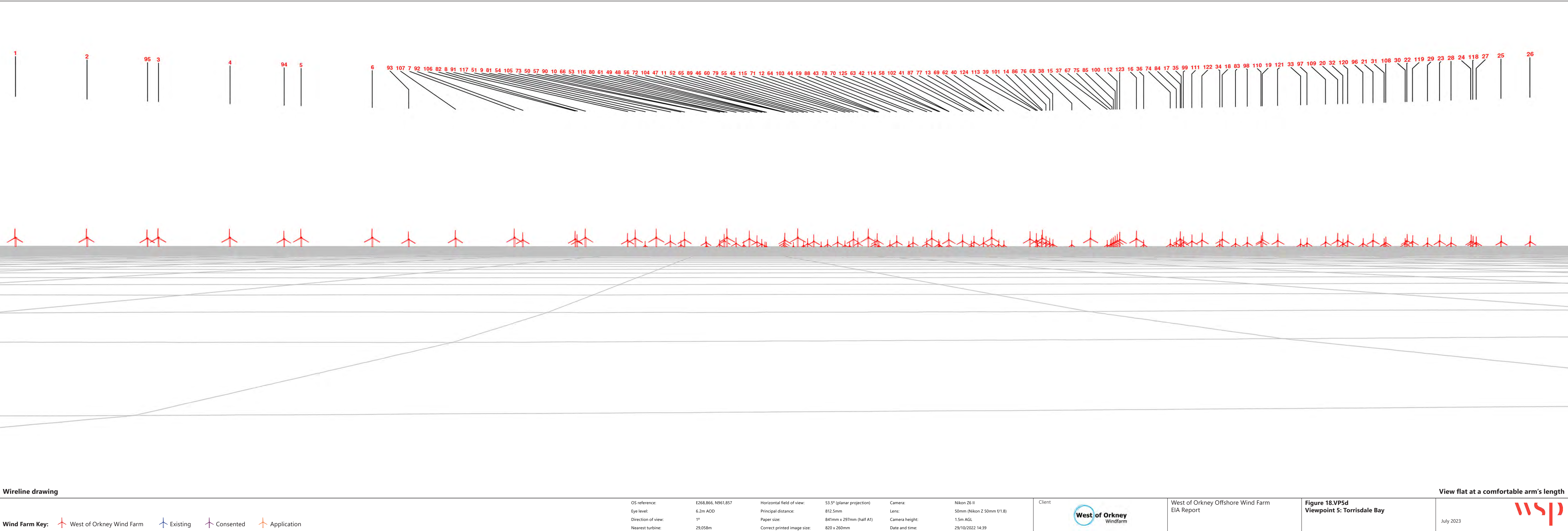
Z:\Projects\853781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\WinDesign\2023-07 Extra\VP5 WS Torrisdale Bay 853781-FG-SA-00009\_84.indd Originator: wils03







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Wireline drawing

Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

OS reference:	E268,866, N961,857	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	6.2m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	1°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	29,058m	Correct printed image size:	820 x 260mm	Date and time:	29/10/2022 14:39

Client



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP5d  
Viewpoint 5: Torrisdale Bay

July 2023



View flat at a comfortable arm's length



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Photomontage

View flat at a comfortable arm's length

OS reference:	E268,866, N961,857	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	6.2m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	1°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	29,058m	Correct printed image size:	820 x 260mm	Date and time:	29/10/2022 14:39

Client



West of Orkney Offshore Wind Farm  
EIA Report

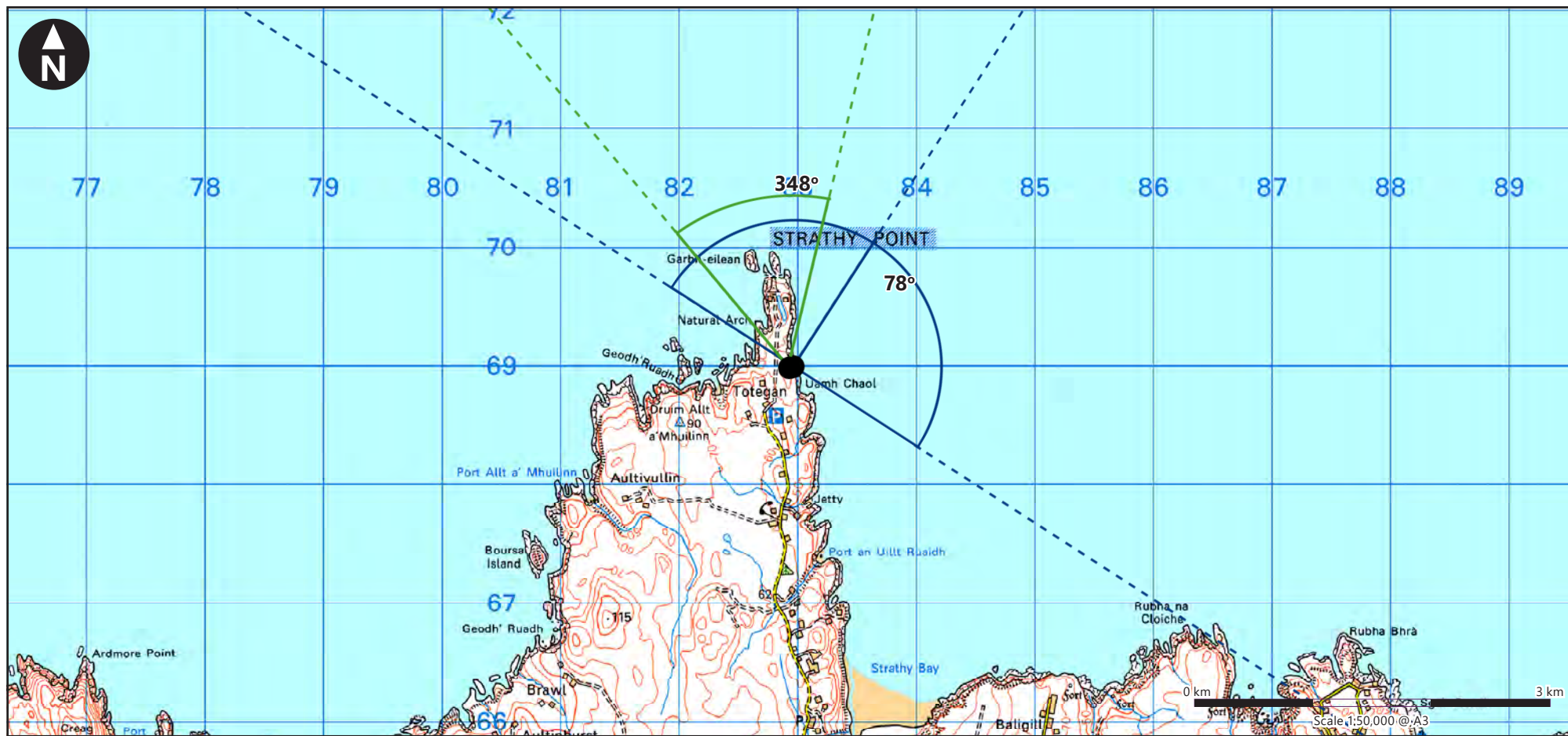
**Figure 18.VP5e**  
**Viewpoint 5: Torrisdale Bay**

July 2023





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#### Key

	90° horizontal field of view		1 - 31 blade tips may be visible		63 - 93 blade tips may be visible
	53.5° horizontal field of view		32 - 62 blade tips may be visible		94 - 125 blade tips may be visible

#### Viewpoint Parameters

OS reference:	E282,903 N968,958
Ground Level Elevation:	42.3m AOD
Camera Height:	1.5m AGL
Direction of view to site centre <sup>3</sup> :	348°
Distance to nearest turbine:	24,246m
Number of blade tips theoretically visible <sup>4</sup> :	125 <sup>5</sup>
Number of hubs theoretically visible <sup>4</sup> :	125
Date and time of viewpoint photography:	29/10/2022 @ 13:22
Camera:	Nikon Z6 II
Lens:	50mm (Nikon Z 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: LORKNEY001.WFL
  - Hub height: 194.52m
  - Rotor diameter: 330m
  - Height to blade tip: 359.52m
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



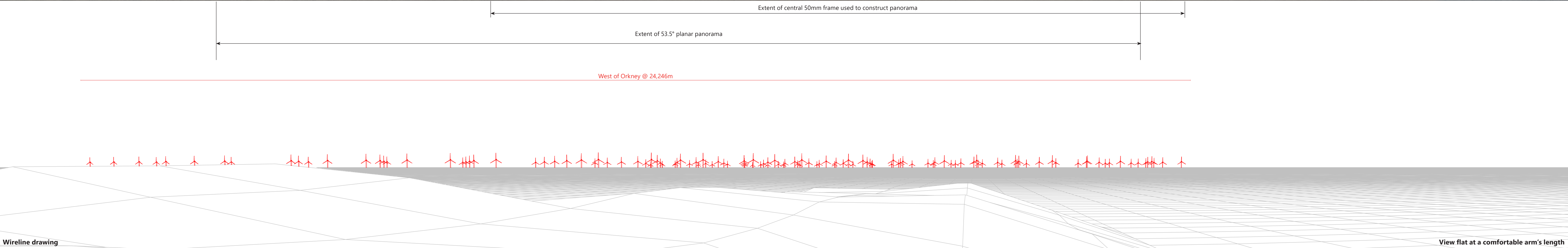
West of Orkney Offshore Wind Farm  
EIA Report

**Figure 18.VP6a**  
**Viewpoint 6: Strathy Point**

July 2023







<b>Wind Farm Key:</b> West of Orkney Wind Farm  Existing  Consented  Application				OS reference: E282,903, N968,958 Eye level: 42.3m AOD Direction of view: 348° Nearest turbine: 24,246 m		Horizontal field of view: 90° (cylindrical projection) Principal distance: 522mm Paper size: 841mm x 297mm (half A1) Correct printed image size: 820 x 130mm		Camera: Nikon Z6 II Lens: 50mm (Nikon Z 50mm f/1.8) Camera height: 1.5m AGL Date and time: 29/10/2022 13:22		Client	West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP6b</b> <b>Viewpoint 6: Strathy Point</b>	July 2023
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### Baseline photograph

**This image provides landscape and visual context only**



### Wind Farm Key:

OS reference:	E282,903, N968,958
Eye level:	42.3m AOD
Direction of view:	78°
Nearest turbine:	24,246 m

Camera:	Nikon Z6 II
Lens:	50mm (Nikon Z 50mm f/1.8)
Camera height:	1.5m AGL
Date and time:	29/10/2022 13:22

Client

West of Orkney Offshore Wind Farm  
EIA Report

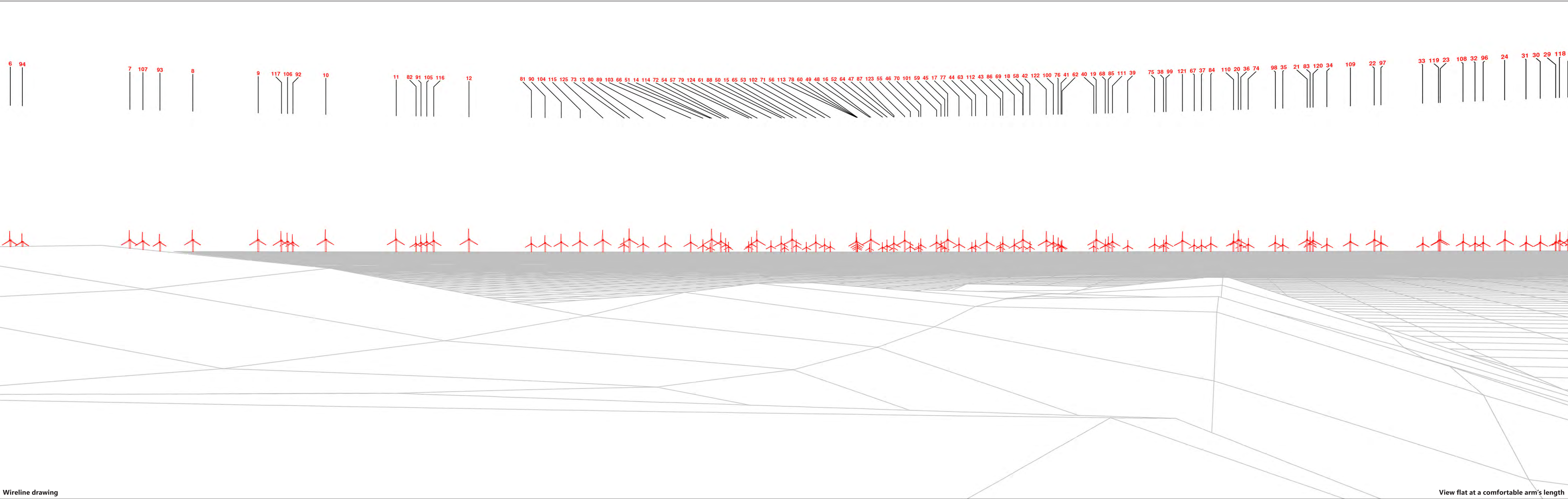
**Figure 18.VP6c**  
**Viewpoint 6: Strathy Point**

July 2023





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Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key:  West of Orkney Wind Farm  Existing  Consented  Application

OS reference:	E282.903, N968.958	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	42.3m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	343°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	24,246 m	Correct printed image size:	820 x 260mm	Date and time:	29/10/2022 13:22

Client



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP6d  
Viewpoint 6: Strathly Point

July 2023





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Photomontage

View flat at a comfortable arm's length

OS reference:	E282,903, N968,958	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	42.3m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	343°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	24,246 m	Correct printed image size:	820 x 260mm	Date and time:	29/10/2022 13:22

Client



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP6e  
Viewpoint 6: Strathy Point

July 2023





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Photomontage

View flat at a comfortable arm's length

Note: 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.

OS reference:	E282,903, N968,958	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	42.3m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	343°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	24,246 m	Correct printed image size:	820 x 225mm	Date and time:	29/10/2022 13:22

Client



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP6f  
Viewpoint 6: Strathy Point

July 2023

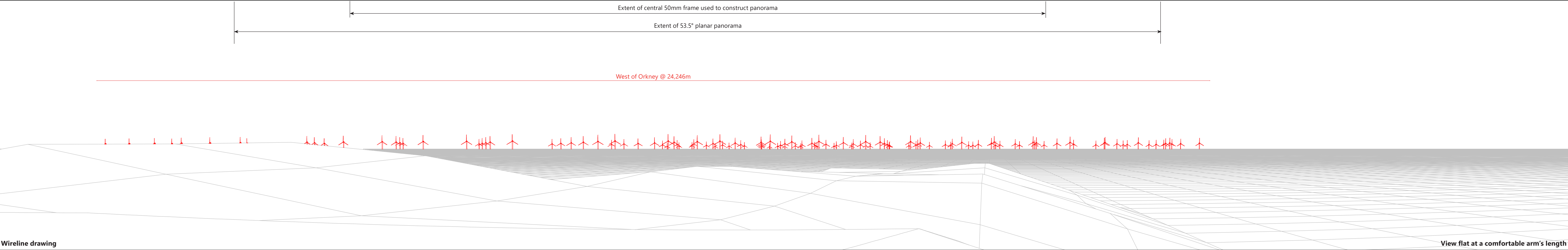




Northwest view

Baseline photograph

This image provides landscape and visual context only



Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key: West of Orkney Wind Farm Lit Consented Wind Farms Lit Application Wind Farms

OS reference:	N282 903, E968 958	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	43.5m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	344°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	24,246m	Correct printed image size:	820 x 130mm	Date and time:	30/10/2022 17:00

Client



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP6g  
Viewpoint N6: Strathy Point

February 2023



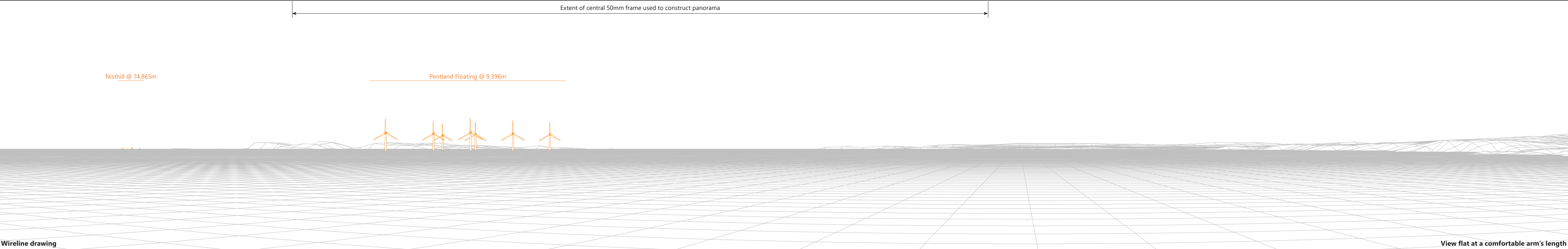
H:\Data\Projects\053781 West of Orkney Offshore Wind Farm\Deliver Stage\Design Technical\VP6 Strathy Point\053781-FG-SA-00051\_R4.indd Originator: wisc03



Northeast view

Baseline photograph

This image provides landscape and visual context only



Wireline drawing

View flat at a comfortable arm's length

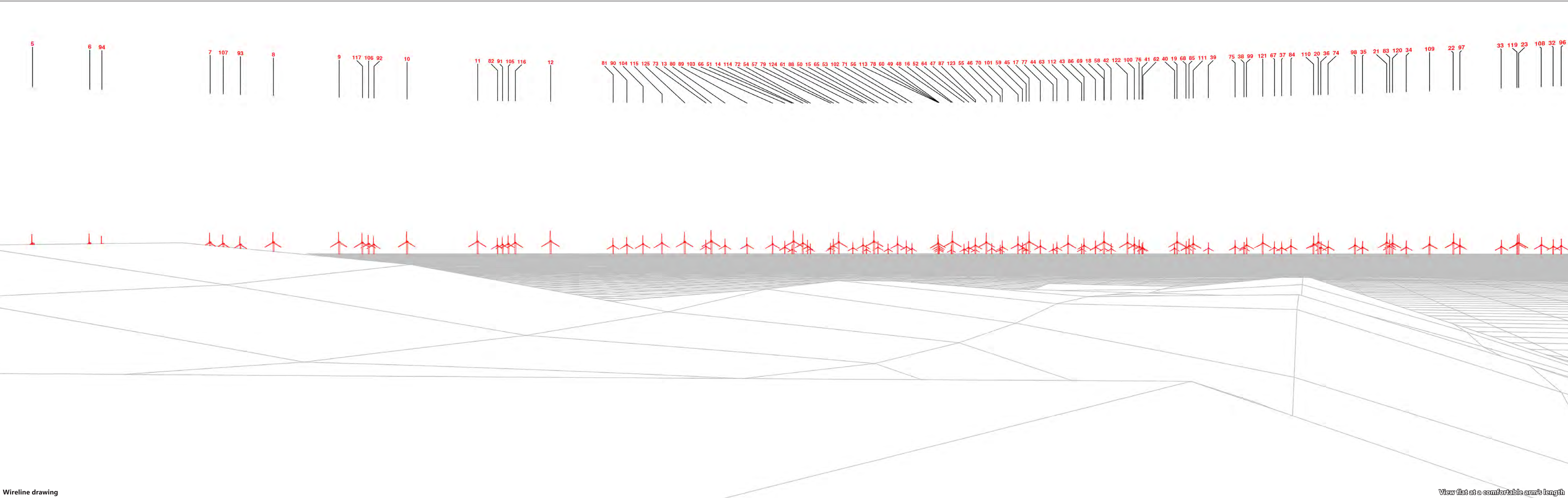
Wind Farm Key: West of Orkney Wind Farm Lit Consented Wind Farms Lit Application Wind Farms

OS reference:	N282 903, E968 958	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	43.5m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	74°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	24,246m	Correct printed image size:	820 x 130mm	Date and time:	30/10/2022 17:00

Client		West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP6h</b> <b>Viewpoint N6: Strathy Point</b>	February 2023	
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Wireline drawing

View flat at a comfortable arm's length

OS reference:	N282 903, E968 958	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	43.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	344°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	24,246m	Correct printed image size:	820 x 260mm	Date and time:	30/10/2022 17:00

Client



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP6i  
Viewpoint N6: Strathy Point

February 2023







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Photomontage (2000cd / 200cd Intensity Lighting)

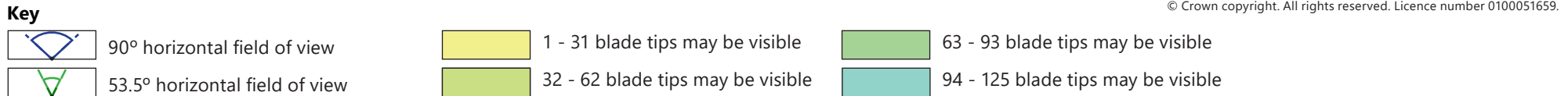
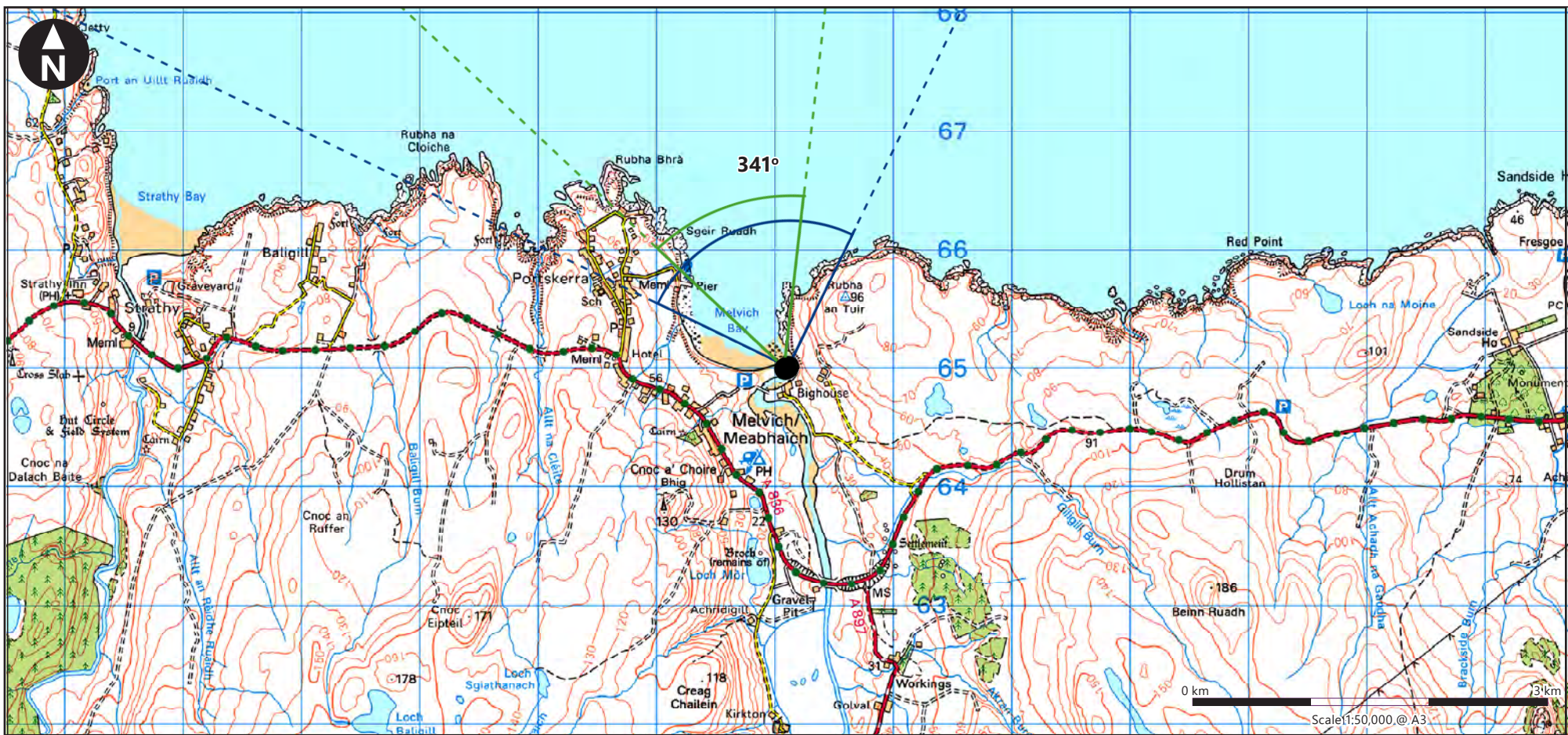
View flat at a comfortable arm's length

OS reference:	N282 903, E968 958	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	43.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	344°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	24,246m	Correct printed image size:	820 x 260mm	Date and time:	30/10/2022 17:00

Client		West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP6j</b> <b>Viewpoint N6: Strathly Point</b>	February 2023	
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### Viewpoint Parameters

OS reference:	E289,094, N964,981
Ground Level Elevation:	4.2m AOD
Camera Height:	1.5m AGL
Direction of view to site centre <sup>3</sup> :	341°
Distance to nearest turbine:	30,518m
Number of blade tips theoretically visible <sup>4</sup> :	125
Number of hubs theoretically visible <sup>4</sup> :	125
Date and time of viewpoint photography:	29/10/2022 @ 12:17
Camera:	Nikon Z6 II
Lens:	50mm (Nikon Z 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: LORKNEY001.WFL
  - Hub height: 194.52m
  - Rotor diameter: 330m
  - Height to blade tip: 359.52m
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



West of Orkney Offshore Wind Farm  
EIA Report

**Figure 18.VP7a**  
**Viewpoint 7: Melvich Beach**

July 2023

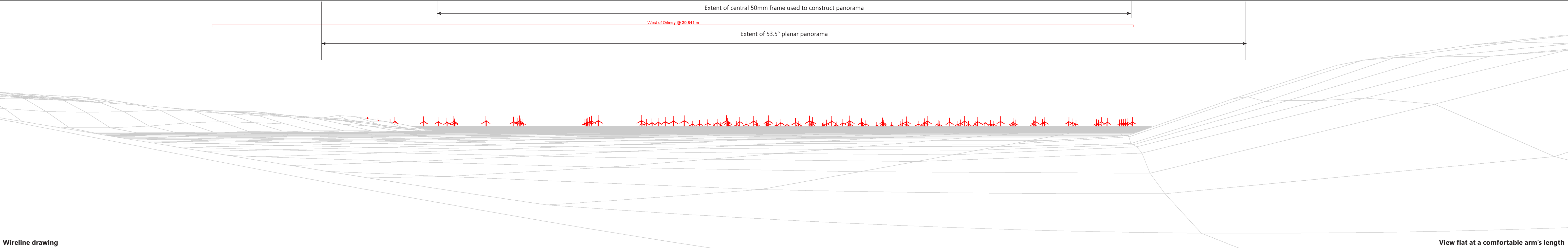






Baseline photograph

This image provides landscape and visual context only



Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

OS reference:	E289,094, N964,981	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	4.2m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	341°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	30,518 m	Correct printed image size:	820 x 130mm	Date and time:	29/10/2022 12:17

Client



West of Orkney Offshore Wind Farm  
EIA Report

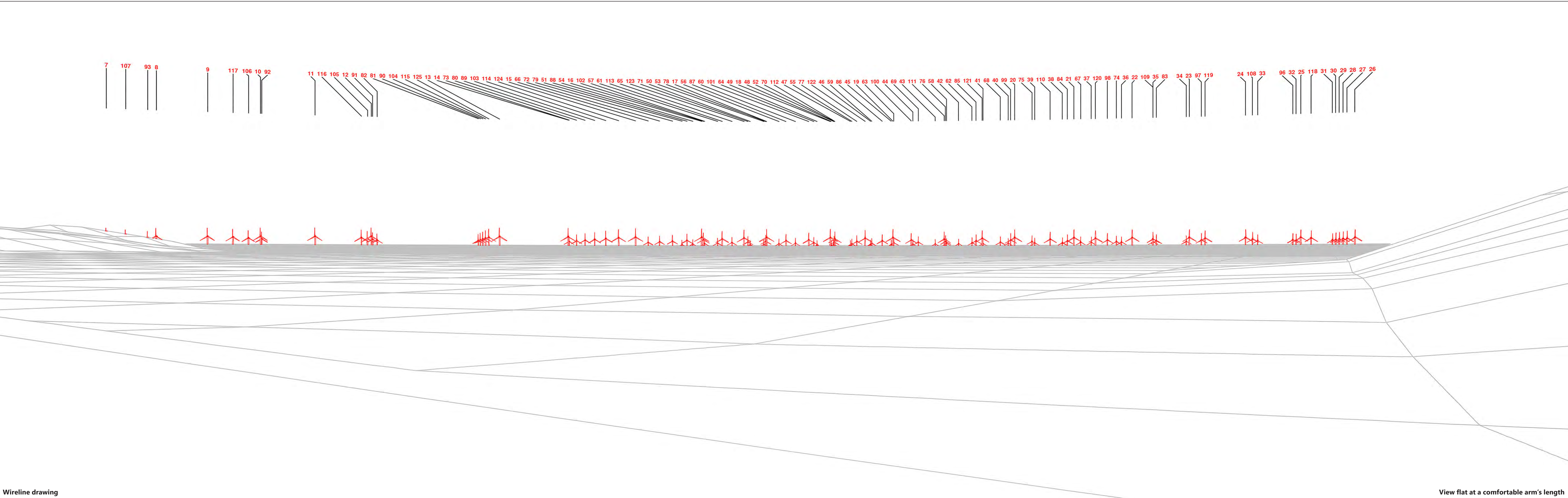
Figure 18.VP7b  
Viewpoint 7: Melvich Beach

July 2023





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Wireline drawing

Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

OS reference:	E289,094, N964,981	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	4.2m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	341°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	30,518 m	Correct printed image size:	820 x 260mm	Date and time:	29/10/2022 12:17

Client



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP7c  
Viewpoint 7: Melvich Beach

July 2023



View flat at a comfortable arm's length



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Photomontage

View flat at a comfortable arm's length

OS reference:	E289,094, N964,981	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	4.2m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	341°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	30,518 m	Correct printed image size:	820 x 260mm	Date and time:	29/10/2022 12:17

Client



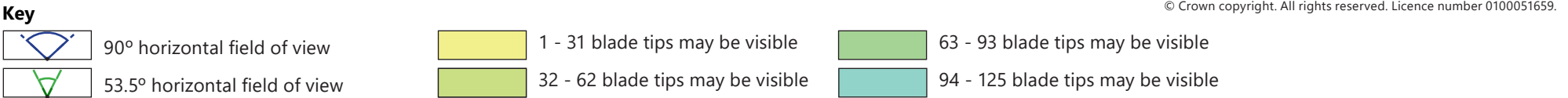
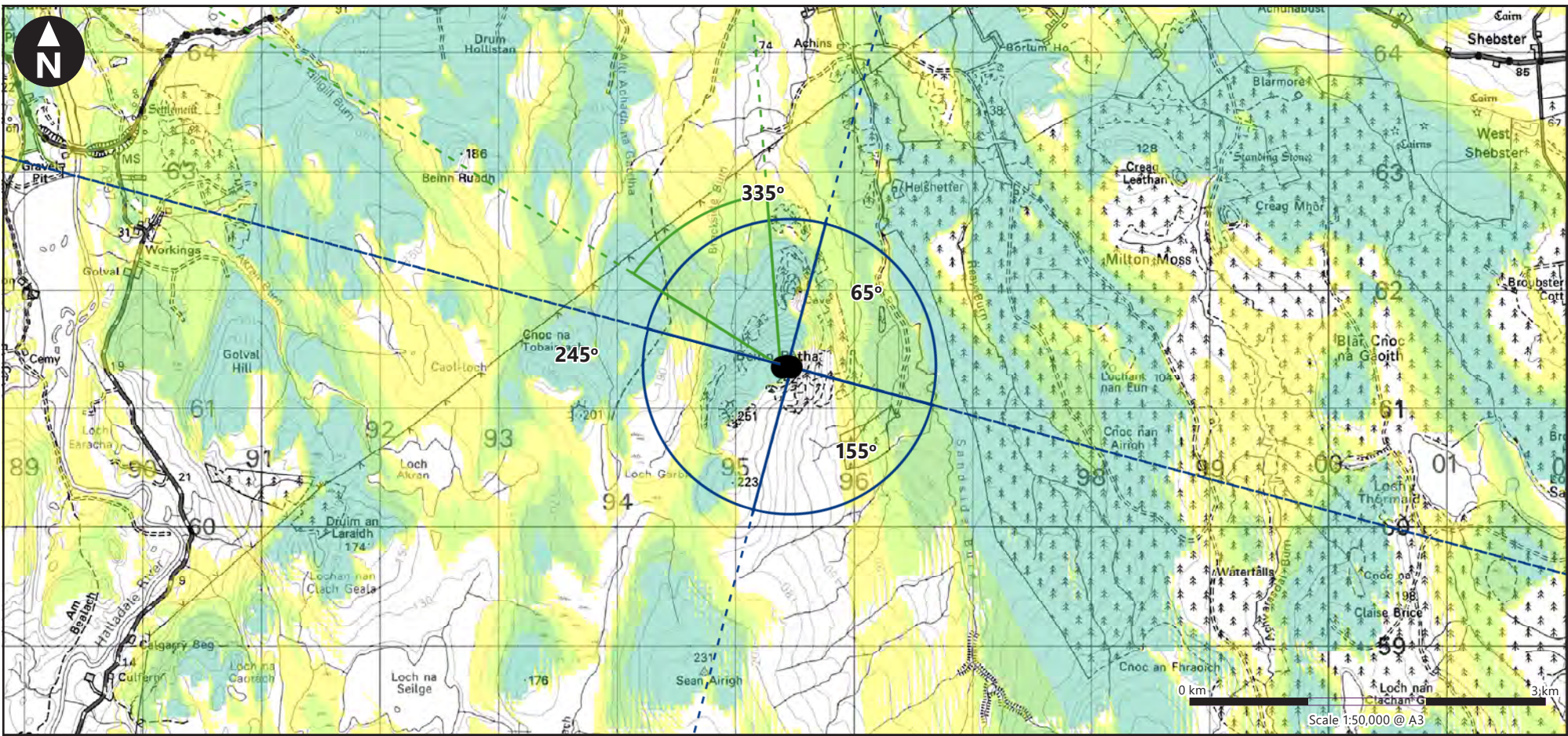
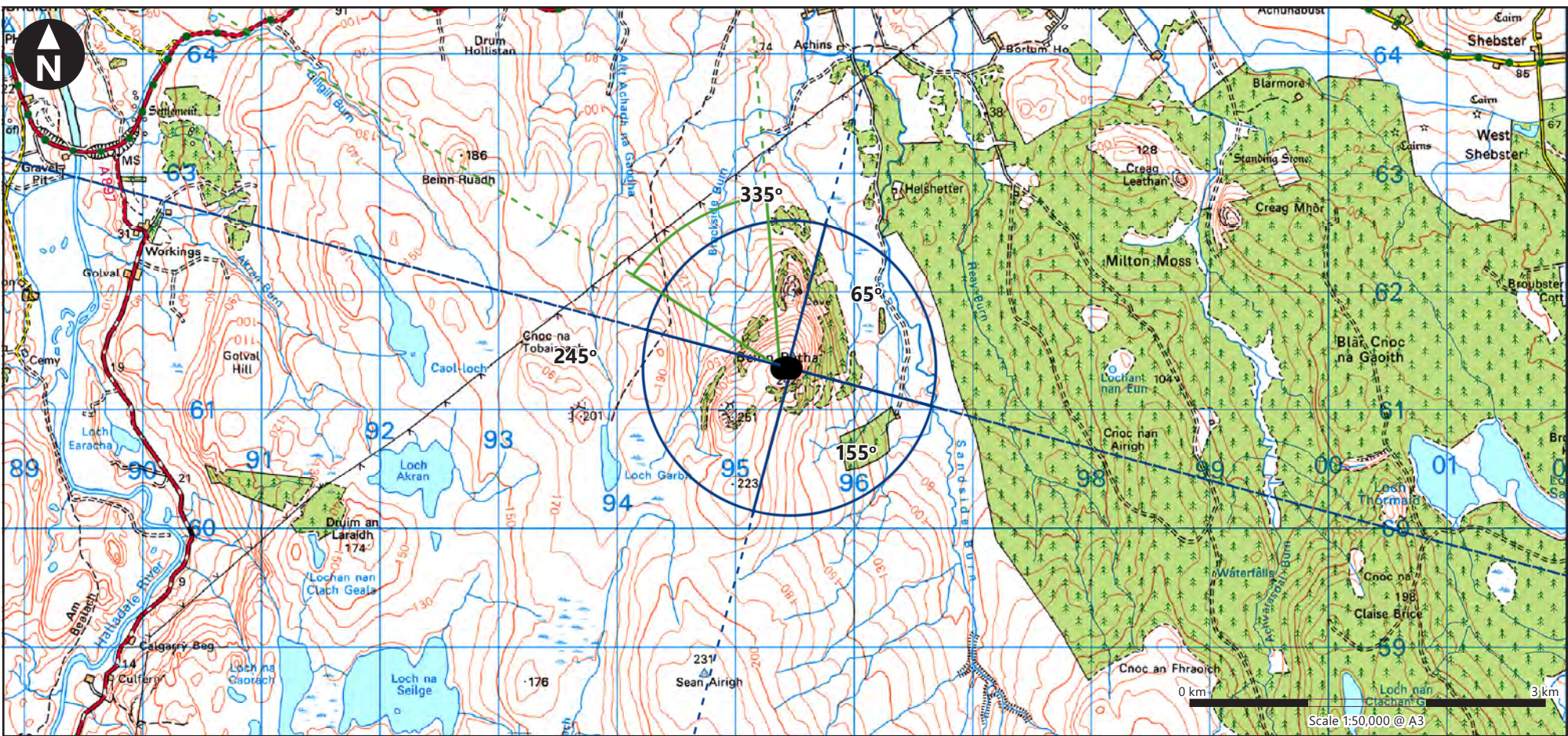
West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP7d  
Viewpoint 7: Melvich Beach

July 2023







### Viewpoint Parameters

OS reference:	E295,427 N961,313
Ground Level Elevation:	235.7m AOD
Camera Height:	1.5m AGL
Direction of view to site centre <sup>3</sup> :	330°
Distance to nearest turbine:	36,951m
Number of blade tips theoretically visible <sup>4</sup> :	125
Number of hubs theoretically visible <sup>4</sup> :	125
Date and time of viewpoint photography:	18/05/2022 @ 13:15
Camera:	Nikon Z6 II
Lens:	50mm (Nikon Z 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: LORKNEY001.WFL
  - Hub height: 194.52m
  - Rotor diameter: 330m
  - Height to blade tip: 359.52m
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



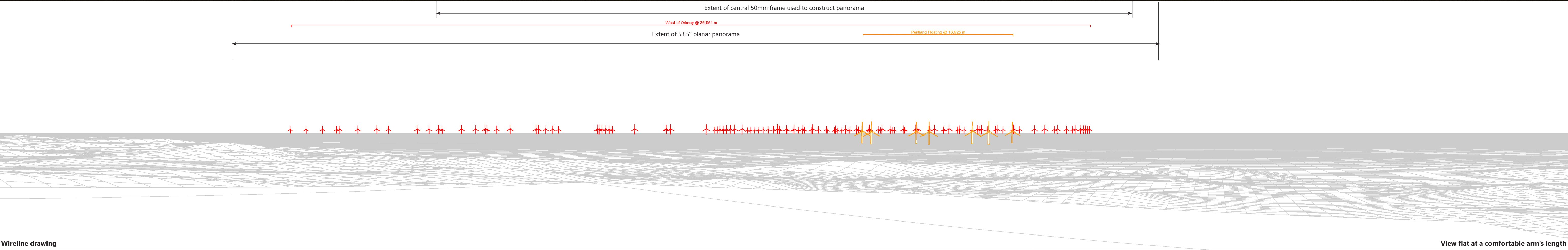
West of Orkney Offshore Wind Farm  
EIA Report

**Figure 18.VP8a**  
**Viewpoint 8: Beinn Ratha**

July 2023



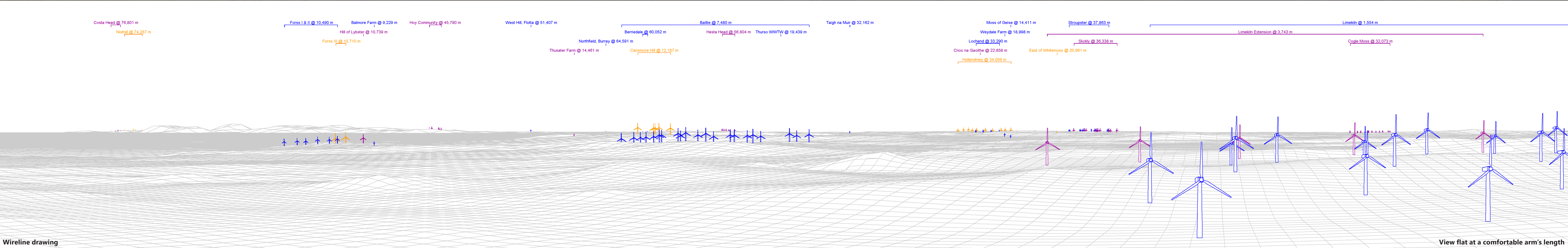




<b>Wind Farm Key:</b> West of Orkney Wind Farm  Existing  Consented  Application			OS reference: E295,427, N961,313 Eye level: 235.7m AOD Direction of view: 335° Nearest turbine: 36,951 m		Horizontal field of view: 90° (cylindrical projection) Principal distance: 522mm Paper size: 841mm x 297mm (half A1) Correct printed image size: 820 x 130mm		Camera: Nikon Z6 II Lens: 50mm (Nikon Z 50mm f/1.8) Camera height: 1.5m AGL Date and time: 18/05/2022 13:15		Client	West of Orkney Offshore Wind Farm EIA Report	Figure 18.VP8b Viewpoint 8: Beinn Ratha	July 2023
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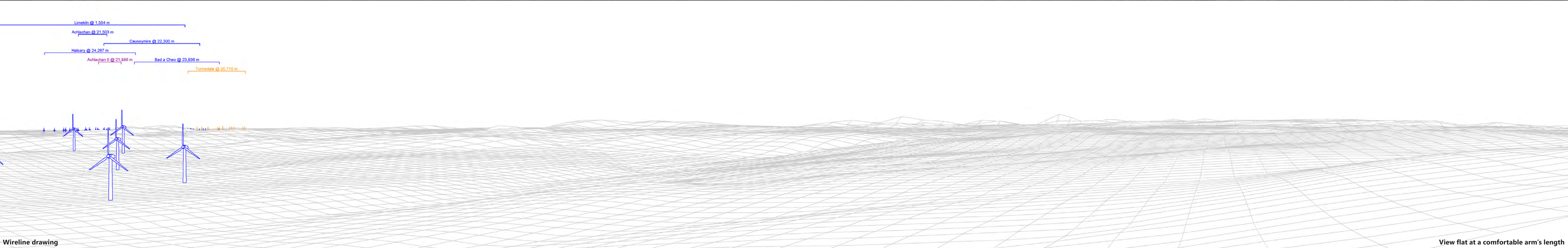




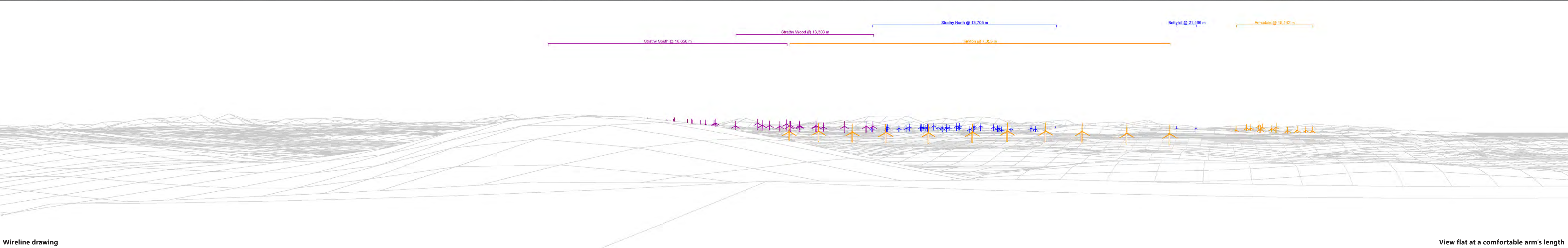
<b>Wind Farm Key:</b> West of Orkney Wind Farm  Existing  Consented  Application			OS reference: E295,427, N961,313 Eye level: 235.7m AOD Direction of view: 65° Nearest turbine: 36,951 m		Horizontal field of view: 90° (cylindrical projection) Principal distance: 522mm Paper size: 841mm x 297mm (half A1) Correct printed image size: 820 x 130mm		Camera: Nikon Z6 II Lens: 50mm (Nikon Z 50mm f/1.8) Camera height: 1.5m AGL Date and time: 18/05/2022 13:15		Client	West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP8c</b> <b>Viewpoint 8: Beinn Ratha</b>	July 2023
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Originator: wilsco3







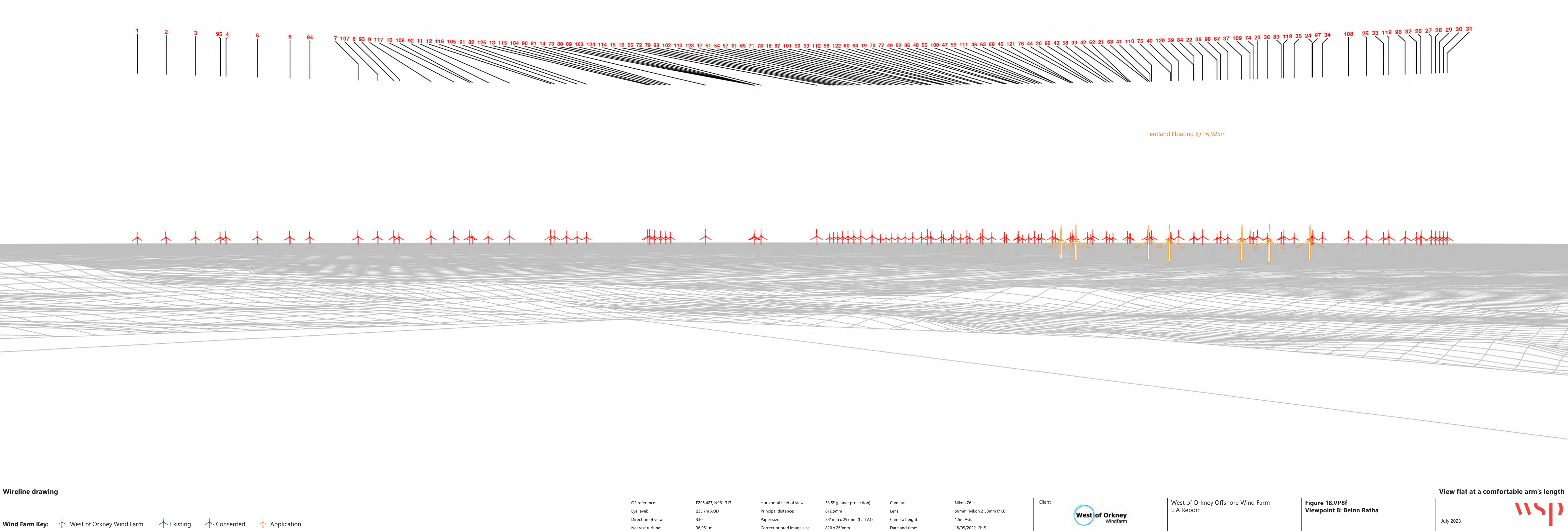


<b>Wind Farm Key:</b> West of Orkney Wind Farm  Existing  Consented  Application	OS reference: E295,427, N961,313 Eye level: 235.7m AOD Direction of view: 245° Nearest turbine: 36,951 m	Horizontal field of view: 90° (cylindrical projection) Principal distance: 522mm Paper size: 841mm x 297mm (half A1) Correct printed image size: 820 x 130mm	Camera: Nikon Z6 II Lens: 50mm (Nikon Z 50mm f/1.8) Camera height: 1.5m AGL Date and time: 18/05/2022 13:15	Client	West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP8e</b> <b>Viewpoint 8: Beinn Ratha</b>	July 2023
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Photomontage

View flat at a comfortable arm's length

OS reference:	E295,427, N961,313	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	235.7m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	330°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	36.951 m	Correct printed image size:	820 x 260mm	Date and time:	18/05/2022 13:15

Client



West of Orkney Offshore Wind Farm  
EIA Report

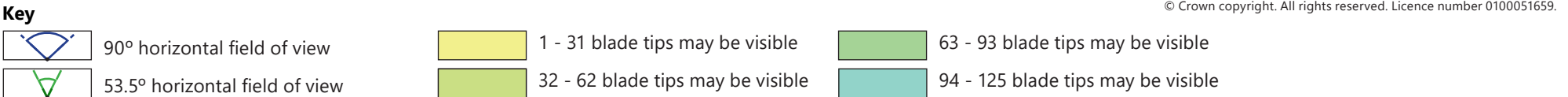
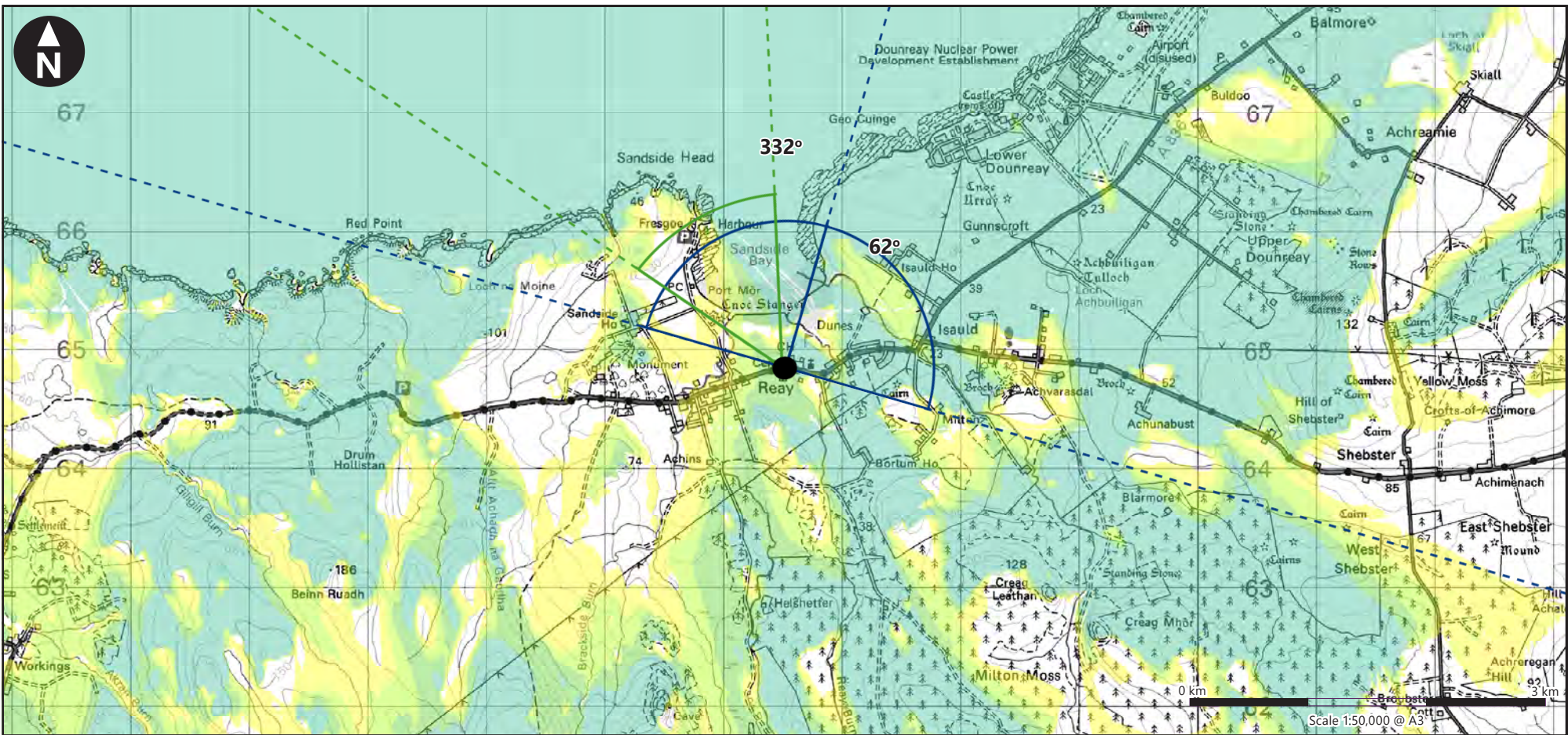
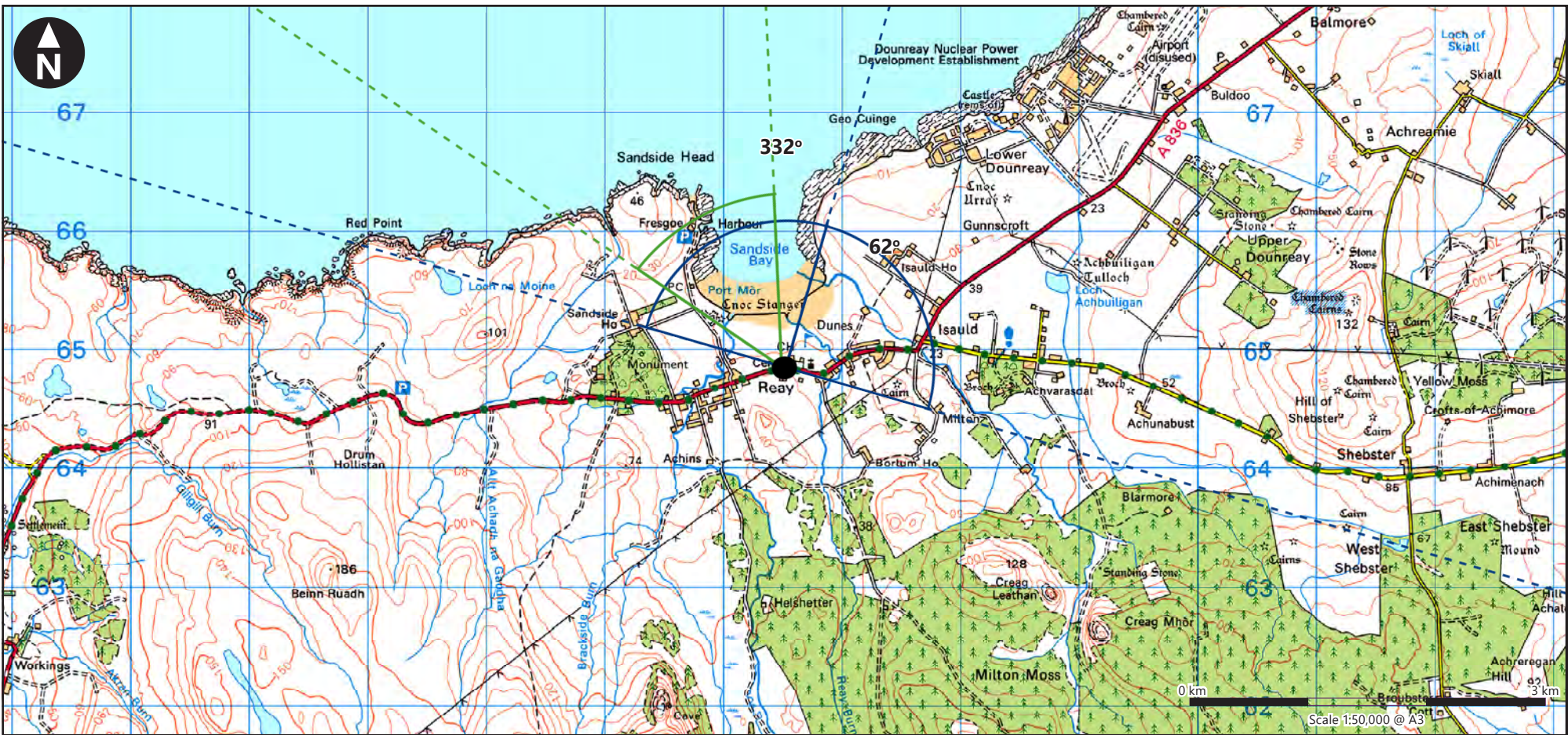
Figure 18.VP8g  
Viewpoint 8: Beinn Ratha

July 2023





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**Viewpoint Parameters**

OS reference:	E296,726 N964,874
Ground Level Elevation:	18.9m AOD
Camera Height:	1.5m AGL
Direction of view to site centre <sup>3</sup> :	332°
Distance to nearest turbine:	34,608m
Number of blade tips theoretically visible <sup>4</sup> :	125
Number of hubs theoretically visible <sup>4</sup> :	125
Date and time of viewpoint photography:	29/10/2022 @ 11:25
Camera:	Nikon Z6 II
Lens:	50mm (Nikon Z 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: LORKNEY001.WFL  
• Hub height: 194.52m  
• Rotor diameter: 330m  
• Height to blade tip: 359.52m
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

West of Orkney Offshore Wind Farm  
EIA Report

**Figure 18.VP9a**  
**Viewpoint 9: A836, Reay Kirk, Sandside Bay**

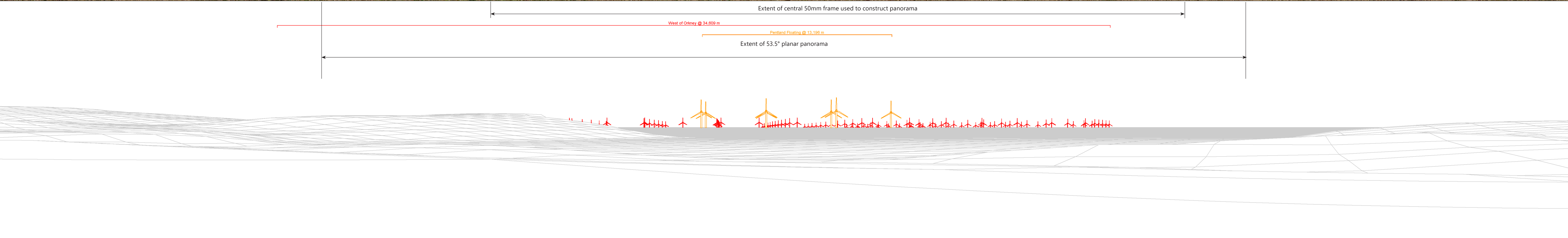
July 2023





Baseline photograph

This image provides landscape and visual context only



Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

OS reference:	E296,726, N964,874	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	18.9m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	332°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	34,608 m	Correct printed image size:	820 x 130mm	Date and time:	29/10/2022 11:25

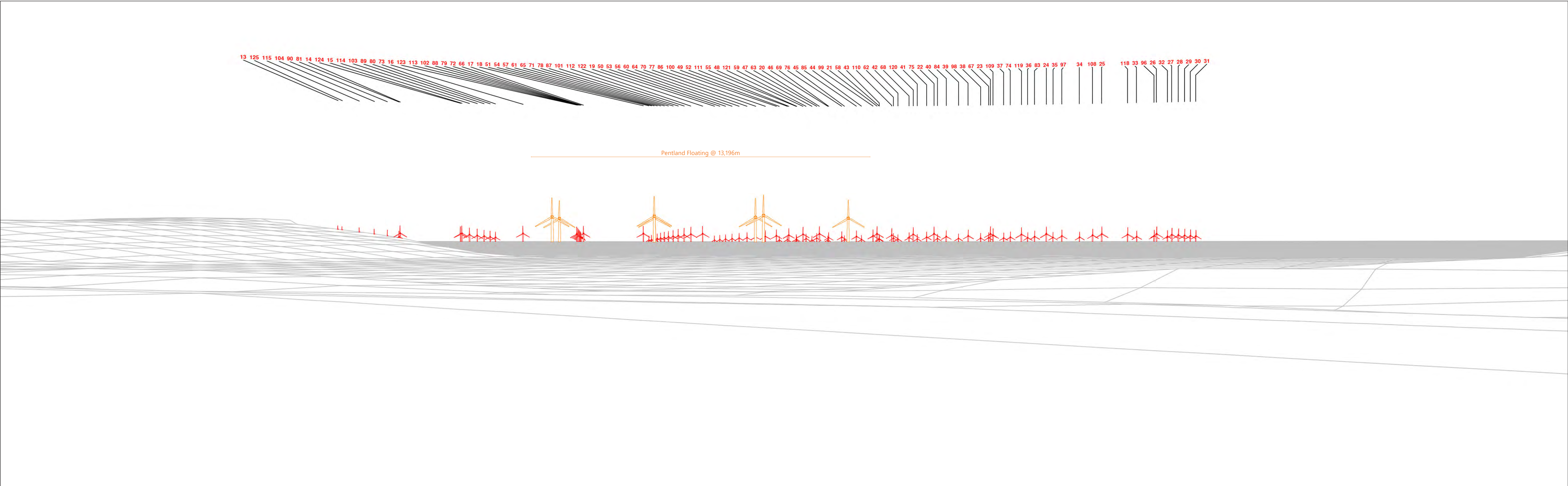
Client		West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP9b</b> <b>Viewpoint 9: A836, Reay Kirk, Sandside Bay</b>	July 2023	
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Wireline drawing										View flat at a comfortable arm's length																					
<div>Wind Farm Key:</div> <div><div><div></div></div> West of Orkney Wind Farm</div> <div><div></div> Existing</div> <div><div></div> Consented</div> <div><div></div> Application</div>										OS reference:		E296,726, N964,874		Horizontal field of view:		53.5° (planar projection)		Camera:		Nikon Z6 II		Client		<div><div></div><div>West of Orkney Windfarm</div></div>		West of Orkney Offshore Wind Farm EIA Report		Figure 18.VP9d Viewpoint 9: A836, Reay Kirk, Sandside Bay		July 2023 <div><div></div></div>	
										Eye level:		18.9m AOD		Principal distance:		812.5mm		Lens:		50mm (Nikon Z 50mm f/1.8)											
										Direction of view:		332°		Paper size:		841mm x 297mm (half A1)		Camera height:		1.5m AGL											
										Nearest turbine:		34,608 m		Correct printed image size:		820 x 260mm		Date and time:		29/10/2022 11:25											



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Photomontage

View flat at a comfortable arm's length

OS reference:	E296,726, N964,874	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	18.9m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	332°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	34,608 m	Correct printed image size:	820 x 260mm	Date and time:	29/10/2022 11:25

Client



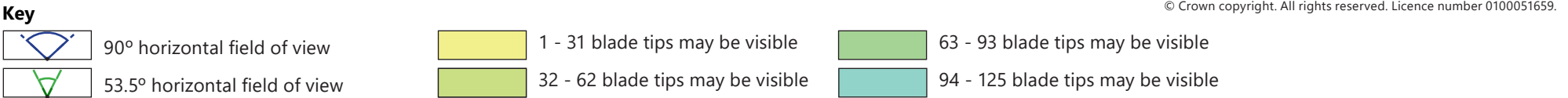
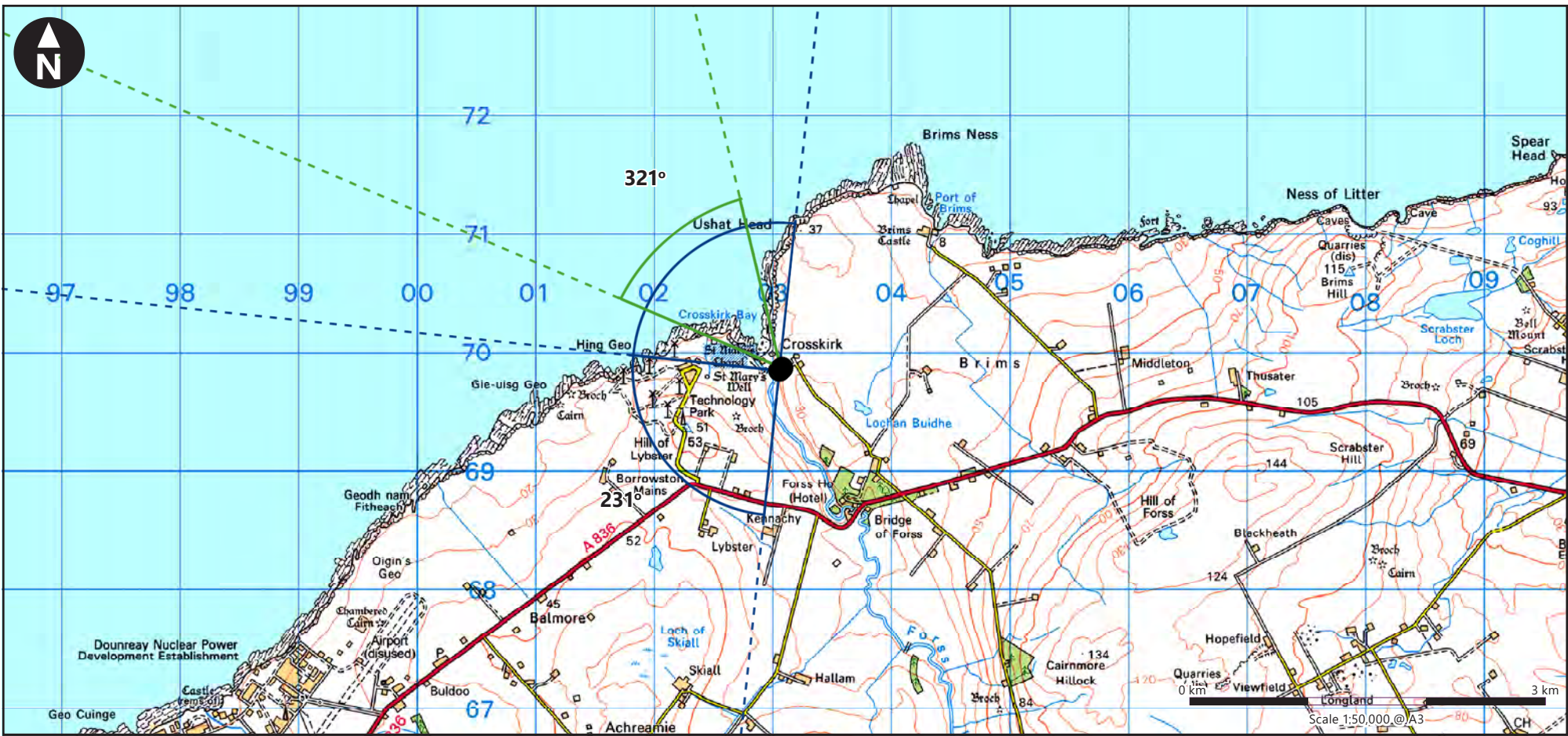
West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP9e  
Viewpoint 9: A836, Reay Kirk, Sandside Bay

July 2023







**Viewpoint Parameters**

OS reference:	E303,061 N969,821
Ground Level Elevation:	17.6m AOD
Camera Height:	1.5m AGL
Direction of view to site centre <sup>3</sup> :	321°
Distance to nearest turbine:	33,745m
Number of blade tips theoretically visible <sup>4</sup> :	125
Number of hubs theoretically visible <sup>4</sup> :	125
Date and time of viewpoint photography:	29/10/2022 @ 10:33
Camera:	Nikon Z6 II
Lens:	50mm (Nikon Z 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: LORKNEY001.WFL  
• Hub height: 194.52m  
• Rotor diameter: 330m  
• Height to blade tip: 359.52m
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



West of Orkney Offshore Wind Farm  
EIA Report

**Figure 18.VP10a**  
**Viewpoint 10: Crosskirk, St. Mary's Chapel**

July 2023





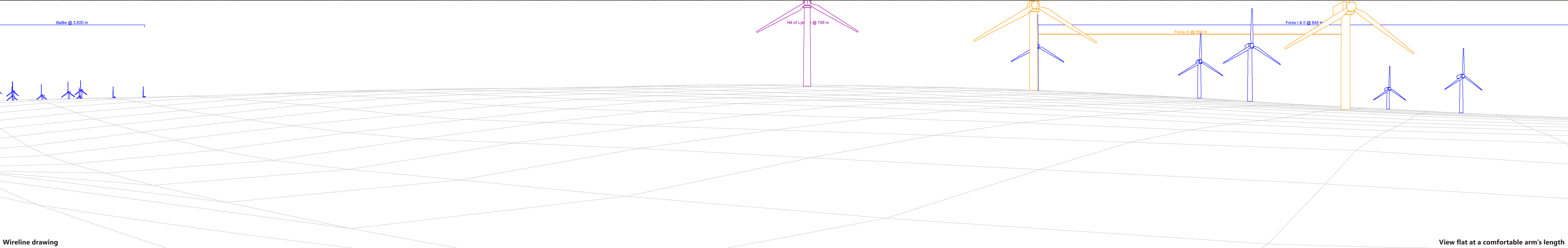
H:\data\Projects\053781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\2023-07 Extra\VP10 WS Fors Crosskirk 853781-FG-SA-00019\_R3.indd Originator: wisc03

Southwest view



Baseline photograph

This image provides landscape and visual context only



Wireline drawing

View flat at a comfortable arm's length

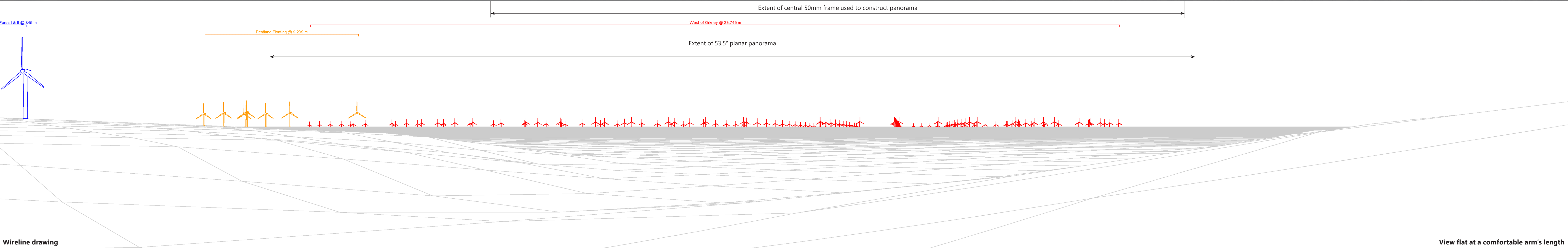
**Wind Farm Key:** West of Orkney Wind Farm Existing Consented Application

OS reference:	E303,061, N969,821	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	17.6m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	321°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	33,745 m	Correct printed image size:	820 x 130mm	Date and time:	29/10/2022 10:33

Client		West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP10b</b> <b>Viewpoint 10: Crosskirk, St. Mary's Chapel</b>	July 2023	
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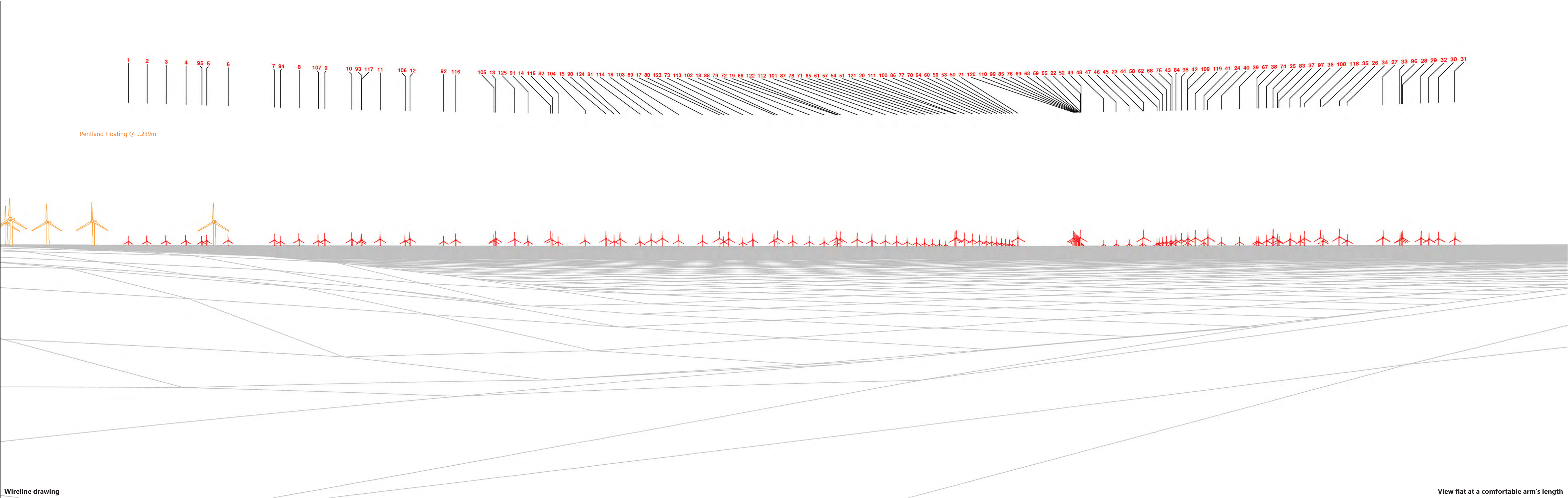
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View flat at a comfortable arm's length		
<div>Wind Farm Key:  West of Orkney Wind Farm  Existing  Consented  Application</div>		
OS reference: E303,061, N969,821	Horizontal field of view: 90° (cylindrical projection)	Camera: Nikon Z6 II
Eye level: 17.6m AOD	Principal distance: 522mm	Lens: 50mm (Nikon Z 50mm f/1.8)
Direction of view: 231°	Paper size: 841mm x 297mm (half A1)	Camera height: 1.5m AGL
Nearest turbine: 33,745 m	Correct printed image size: 820 x 130mm	Date and time: 29/10/2022 10:33
Client		West of Orkney Offshore Wind Farm EIA Report
Figure 18.VP10c Viewpoint 10: Crosskirk, St. Mary's Chapel		July 2023



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Wireline drawing

View flat at a comfortable arm's length

**Wind Farm Key:**    West of Orkney Wind Farm    Existing    Consented    Application

OS reference:	E303,061, N969,821	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	17.6m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	318°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	33,745 m	Correct printed image size:	820 x 260mm	Date and time:	29/10/2022 10:33



West of Orkney Offshore Wind Farm  
EIA Report

**Figure 18.VP10d**  
**Viewpoint 10: Crosskirk, St. Mary's Chapel**

July 2023





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Photomontage

View flat at a comfortable arm's length

OS reference:	E303,061, N969,821	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	17.6m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	318°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	33,745 m	Correct printed image size:	820 x 260mm	Date and time:	29/10/2022 10:33

Client



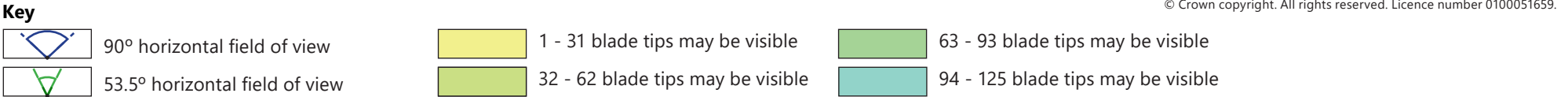
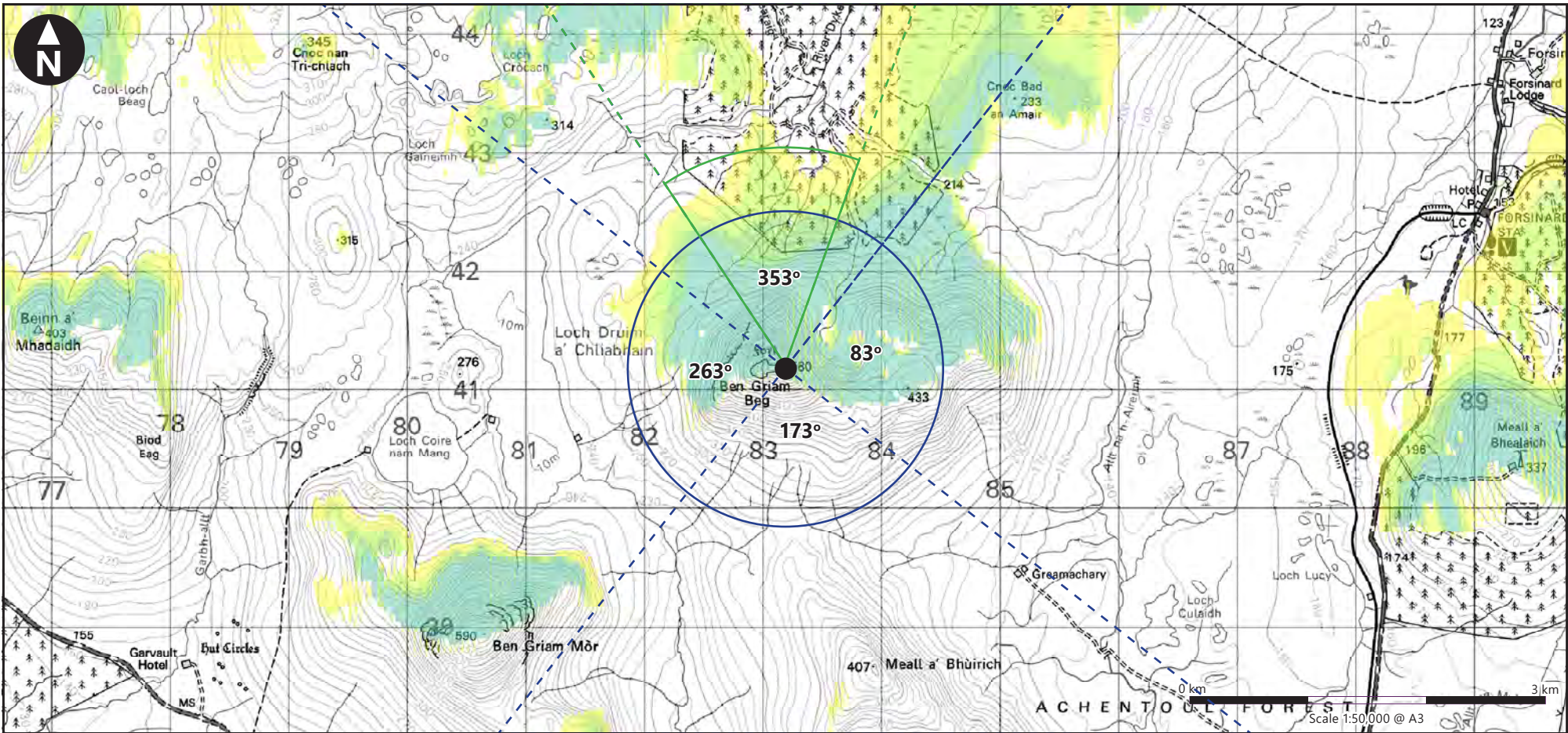
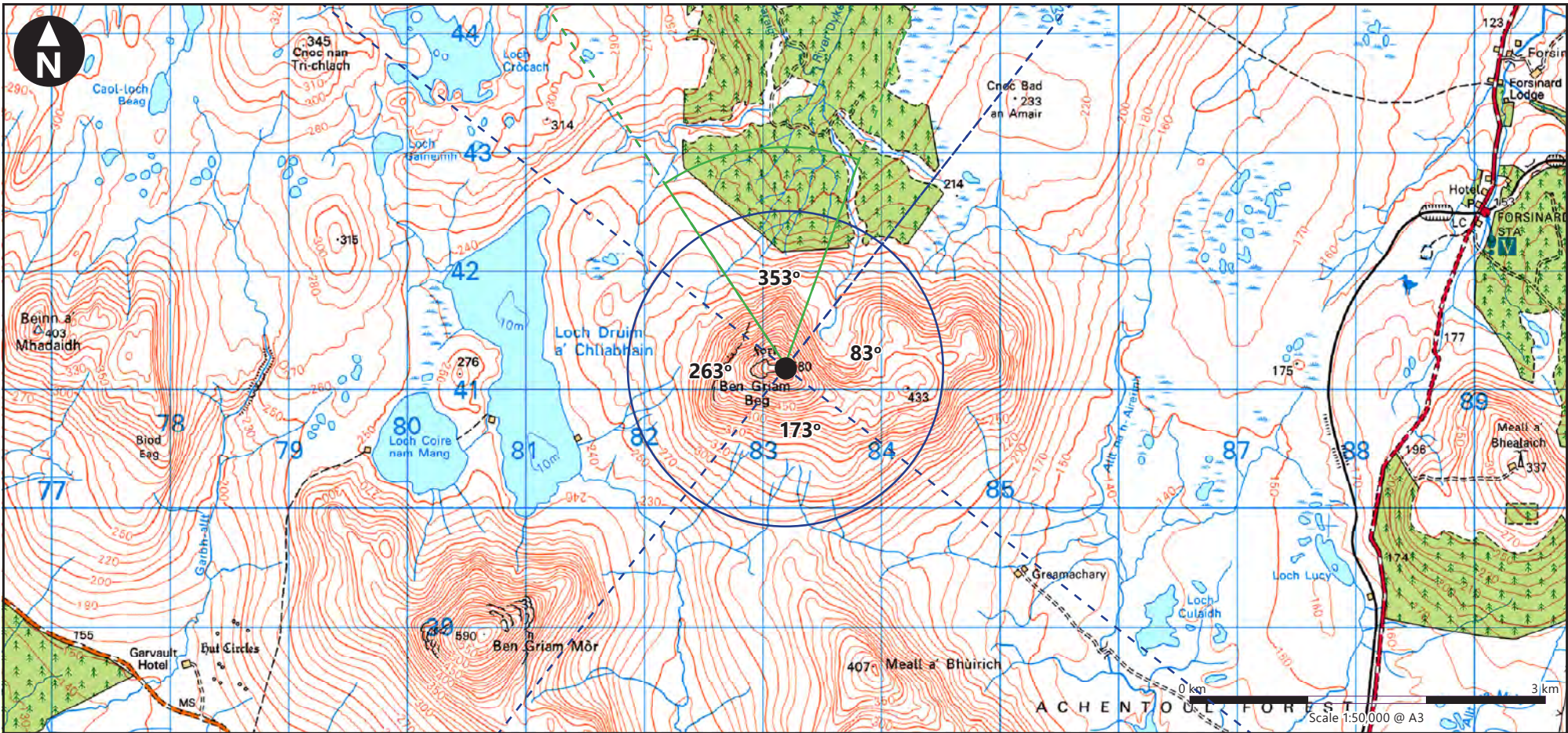
West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP10e  
Viewpoint 10: Crosskirk, St. Mary's Chapel

July 2023







**Viewpoint Parameters**

OS reference:	N283 175, E941 179
Ground Level Elevation:	580m AOD
Camera Height:	1.5m AGL
Direction of view to site centre <sup>3</sup> :	353°
Distance to nearest turbine:	50,998m
Number of blade tips theoretically visible <sup>4</sup> :	125
Number of hubs theoretically visible <sup>4</sup> :	125

**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: LORKNEY001.WFL  
• Hub height: 194.52m  
• Rotor diameter: 330m  
• Height to blade tip: 359.52m
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



West of Orkney Offshore Wind Farm  
EIA Report

**Figure 18.VP11a**  
**Viewpoint 11: Ben Grian Beg Hillfort**

February 2023





North view

Extent of 53.5° planar panorama

Forss III @ 34,150m

Limekiln Extension @ 25,262m

Balmore Farm @ 32,686m

Hill of Lybster @ 34,198m

Baillie @ 30,221m

Forss I & II @ 34,026m

Limekiln @ 23,722m

West of Orkney @ 50,998m

Armadale @ 20,655m

Strathy South @ 8,601m

Strathy Wood @ 13,579m

Ackron Farm @ 22,819m

Pentland Floating @ 33,575m

Nisthill @ 97,826m

Costa Head @ 100,318m

Kirkton @ 17,393m

Bettyhill @ 21,407m

Strathy North @ 15,162m

Originator: wisc03

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Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

OS reference: N283 175, E941 179  
Eye level: 581.5m AOD  
Direction of view: 353°  
Nearest turbine: 50,998m  
Horizontal field of view: 90° (cylindrical projection)  
Principal distance: 522mm  
Paper size: 841mm x 297mm (half A1)  
Correct printed image size: 820 x 260mm

Client



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP11b  
Viewpoint 11: Ben Grian Beg Hillfort

February 2023





East view

Ore Brae, Hoy @ 70,179m

Cairnmore Hill @ 34,877m

Hoy Community @ 68,909m

Northfield, Burray @ 86,686m

Hesta Head @ 78,031m

Thura Mains @ 46,095m

Causeymire @ 32,894m

Limekiln Extension @ 25,262m

Moss of Geise @ 35,029m

Taigh na Muir @ 52,812m

Hollandmey @ 53,030m

Slickly @ 54,192m

Cogle Moss @ 46,520m

Halsary @ 35,139m

Baillie @ 30,221m

Thurso WWTW @ 41,172m

Weydale Farm @ 39,104m

Lochend @ 52,419m

Stroupster @ 55,689m

Achlachan II @ 33,273m

Bad a Cheo @ 34,101m

Limekiln @ 23,722m

West Hill, Flotta @ 74,047m

Berriedale @ 81,872m

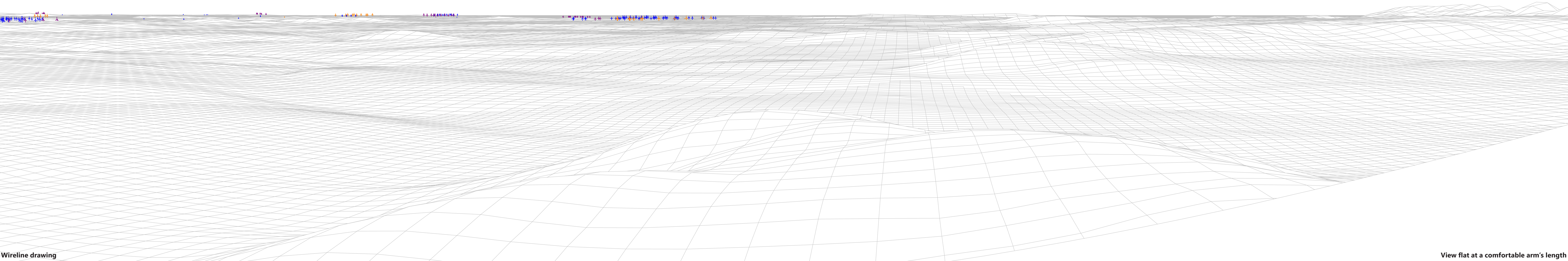
East of Whitemoss @ 40,440m

Burnside, Lyth @ 48,317m

Achlachan @ 33,287m

Tormsdale @ 31,277m

Thusater Farm @ 37,376m



Wireline drawing

Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

OS reference: N283 175, E941 179  
Eye level: 581.5m AOD  
Direction of view: 83°  
Nearest turbine: 50,998m

Horizontal field of view: 90° (cylindrical projection)  
Principal distance: 522mm  
Paper size: 841mm x 297mm (half A1)  
Correct printed image size: 820 x 260mm

Client



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP11c  
Viewpoint 11: Ben Giam Beg Hillfort

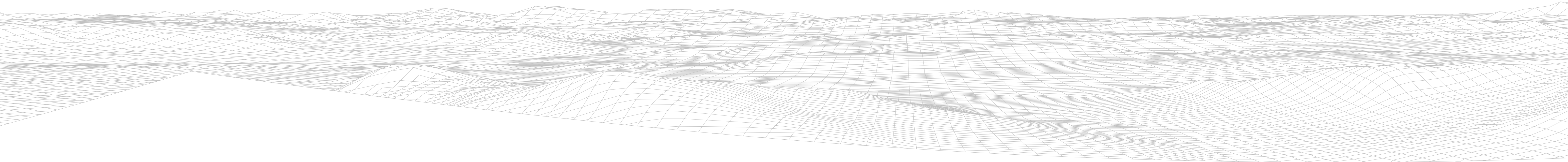
February 2023



View flat at a comfortable arm's length



South view



Wireline drawing

Wind Farm Key:  West of Orkney Wind Farm  Existing  Consented  Application

OS reference:	N283 175, E941 179	Horizontal field of view:	90° (cylindrical projection)
Eye level:	581.5m AOD	Principal distance:	522mm
Direction of view:	173°	Paper size:	841mm x 297mm (half A1)
Nearest turbine:	50,998m	Correct printed image size:	820 x 260mm

Client



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP11d  
Viewpoint 11: Ben Griam Beg Hillfort

February 2023



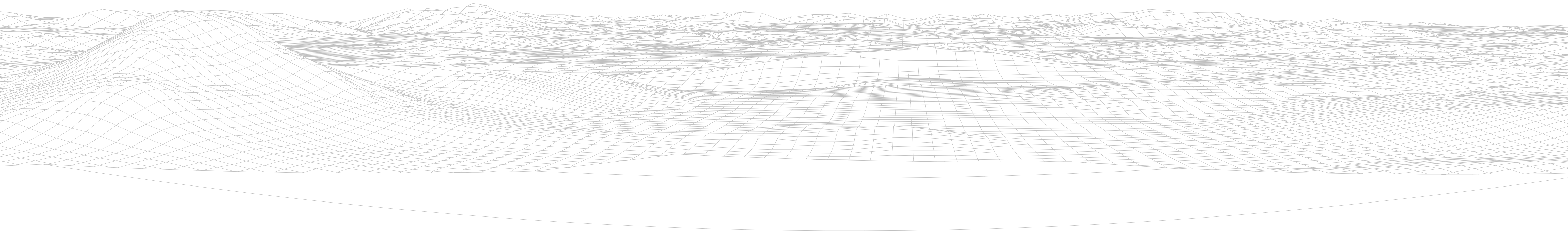
View flat at a comfortable arm's length

Originator: wils03

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West view



Wireline drawing

Wind Farm Key:  West of Orkney Wind Farm  Existing  Consented  Application

OS reference:	N283 175, E941 179	Horizontal field of view:	90° (cylindrical projection)
Eye level:	581.5m AOD	Principal distance:	522mm
Direction of view:	263°	Paper size:	841mm x 297mm (half A1)
Nearest turbine:	50.998m	Correct printed image size:	820 x 260mm

Client



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP11e  
Viewpoint 11: Ben Griam Beg Hillfort

February 2023



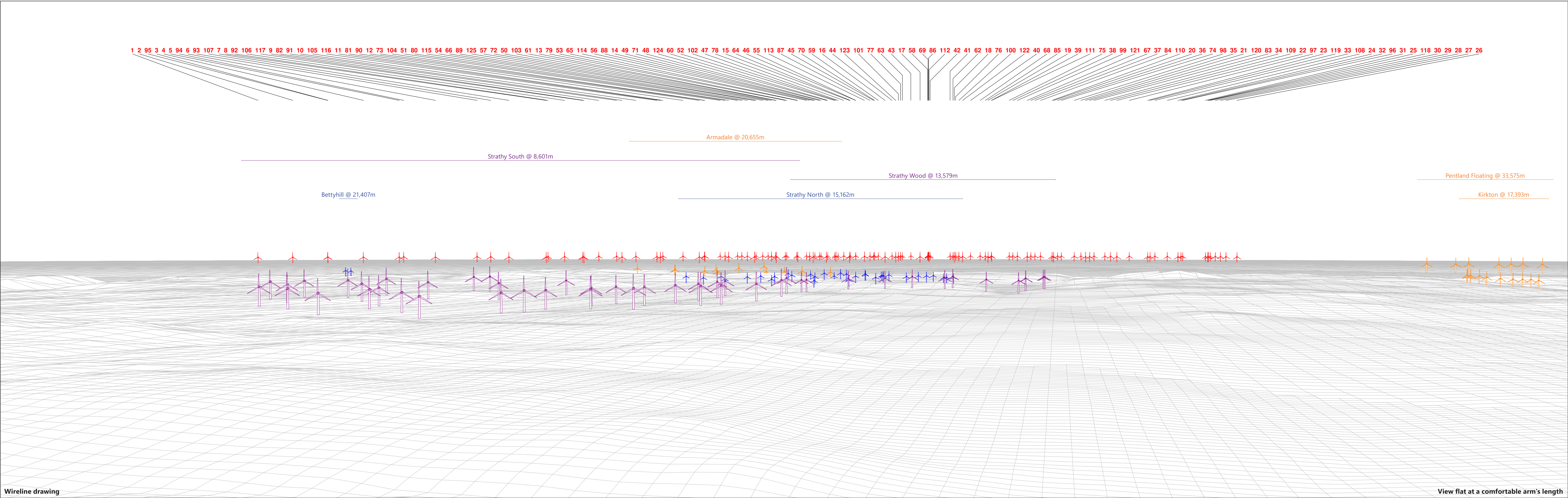
View flat at a comfortable arm's length

Originator: wils03

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Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

OS reference:	N283 175, E941 179	Horizontal field of view:	53.5° (planar projection)
Eye level:	581.5m AOD	Principal distance:	812.5mm
Direction of view:	350°	Paper size:	841mm x 297mm (half A1)
Nearest turbine:	50,998m	Correct printed image size:	820 x 260mm

Client



West of Orkney Offshore Wind Farm  
EIA Report

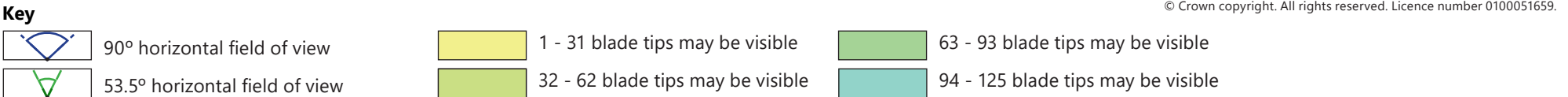
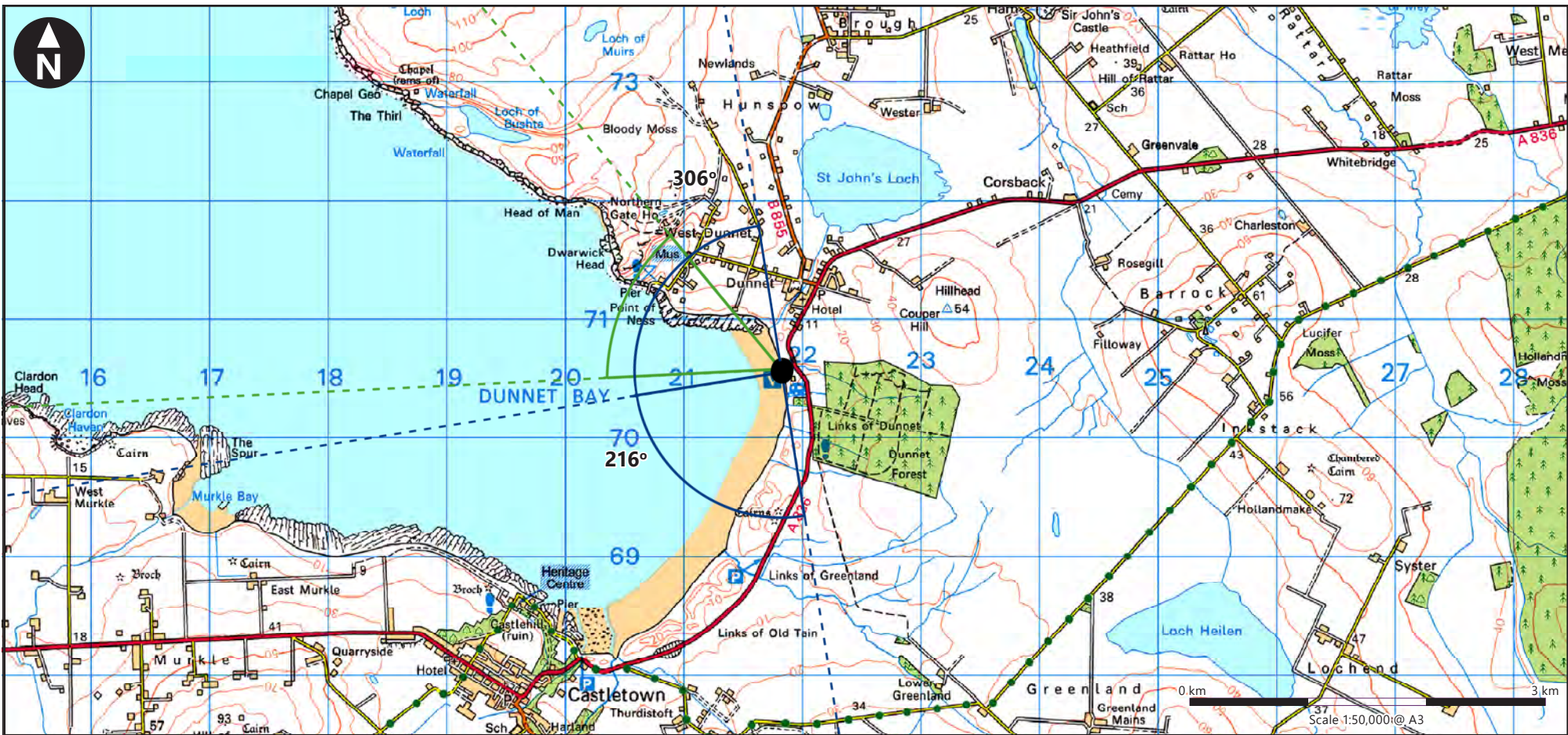
Figure 18.VP11f  
Viewpoint 11: Ben Griam Beg Hillfort

February 2023





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**Viewpoint Parameters**

OS reference:	E321,900 N970,493
Ground Level Elevation:	6.2m AOD
Camera Height:	1.5m AGL
Direction of view to site centre <sup>3</sup> :	306°
Distance to nearest turbine:	44,516m
Number of blade tips theoretically visible <sup>4</sup> :	125
Number of hubs theoretically visible <sup>4</sup> :	125
Date and time of viewpoint photography:	30/10/2022 @ 13:28
Camera:	Nikon Z6 II
Lens:	50mm (Nikon Z 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;
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- 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: LORKNEY001.WFL
  - Hub height: 194.52m
  - Rotor diameter: 330m
  - Height to blade tip: 359.52m
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	
West of Orkney Offshore Wind Farm EIA Report	
<b>Figure 18.VP12a</b> <b>Viewpoint 12: Dunnet Bay - at Caravan Park</b>	
July 2023	

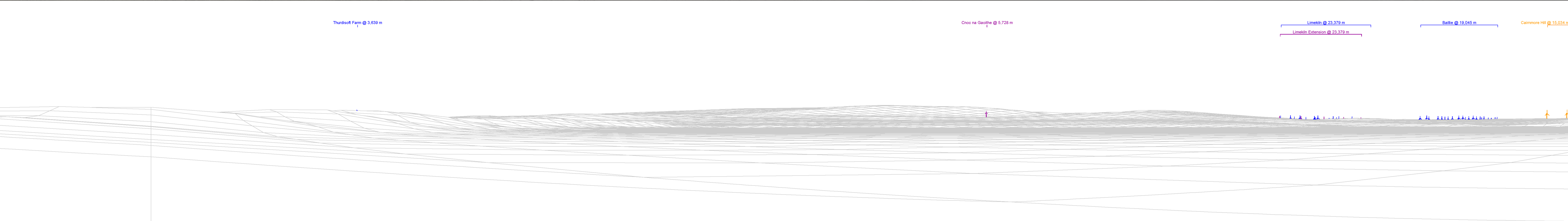


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Baseline photograph

This image provides landscape and visual context only



Wireline drawing

View flat at a comfortable arm's length

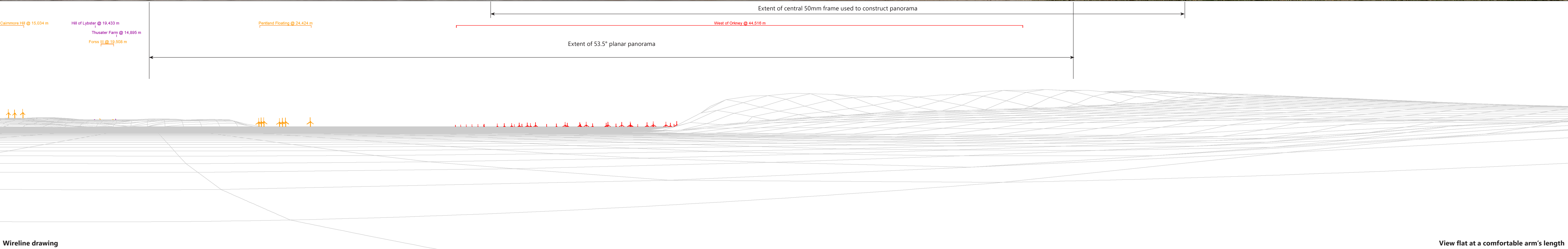
Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

OS reference:	E321,900, N970,493	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	6.2m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	306°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	44,516 m	Correct printed image size:	820 x 130mm	Date and time:	30/10/2022 13:28

Client		West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP12b</b> <b>Viewpoint 12: Dunnet Bay - at Caravan Park</b>	July 2023	
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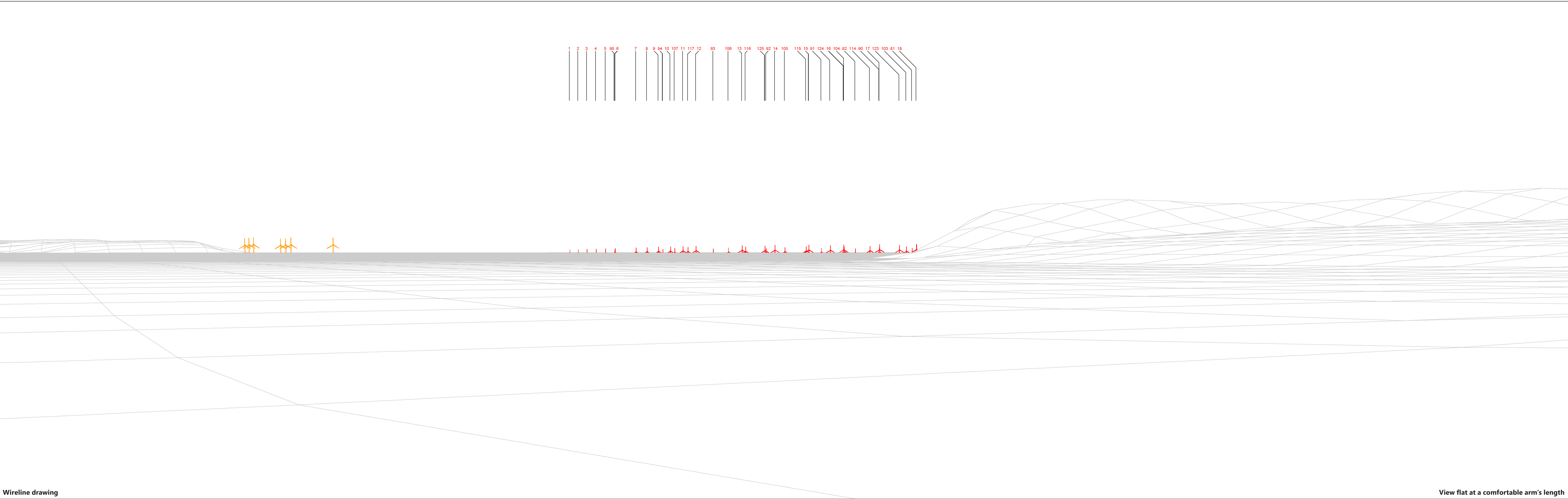


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Wireline drawing

Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

OS reference:	E321,900, N970,493	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	6.2m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	295°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	44,516 m	Correct printed image size:	820 x 260mm	Date and time:	30/10/2022 13:28

Client

West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP12d  
Viewpoint 12: Dunnet Bay - at Caravan Park

July 2023

View flat at a comfortable arm's length





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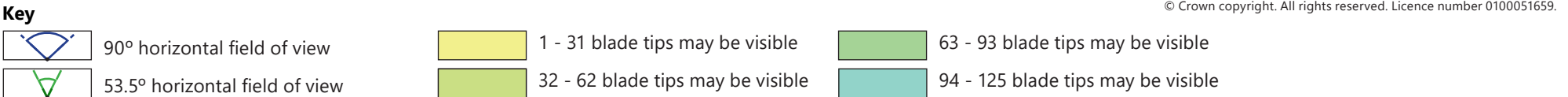
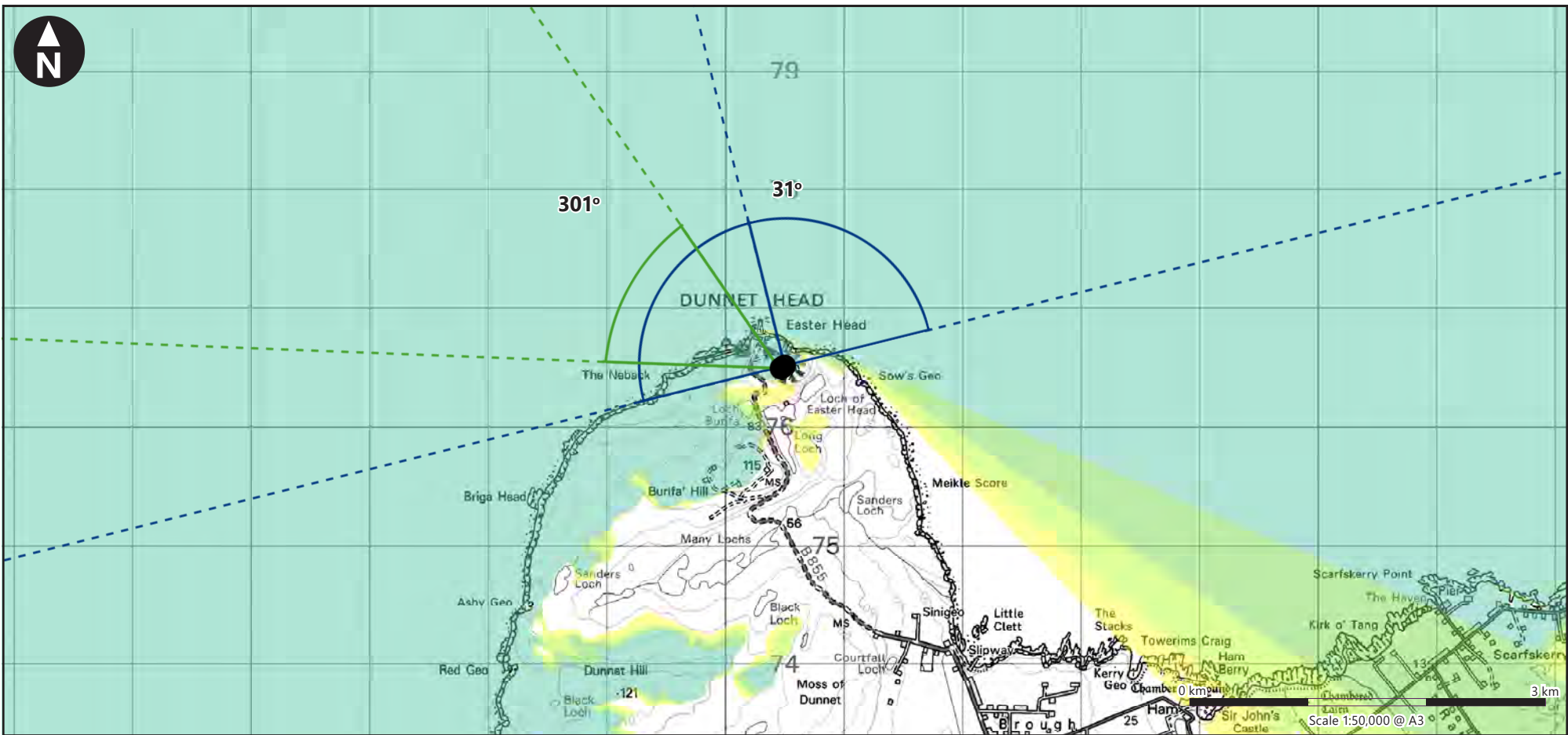
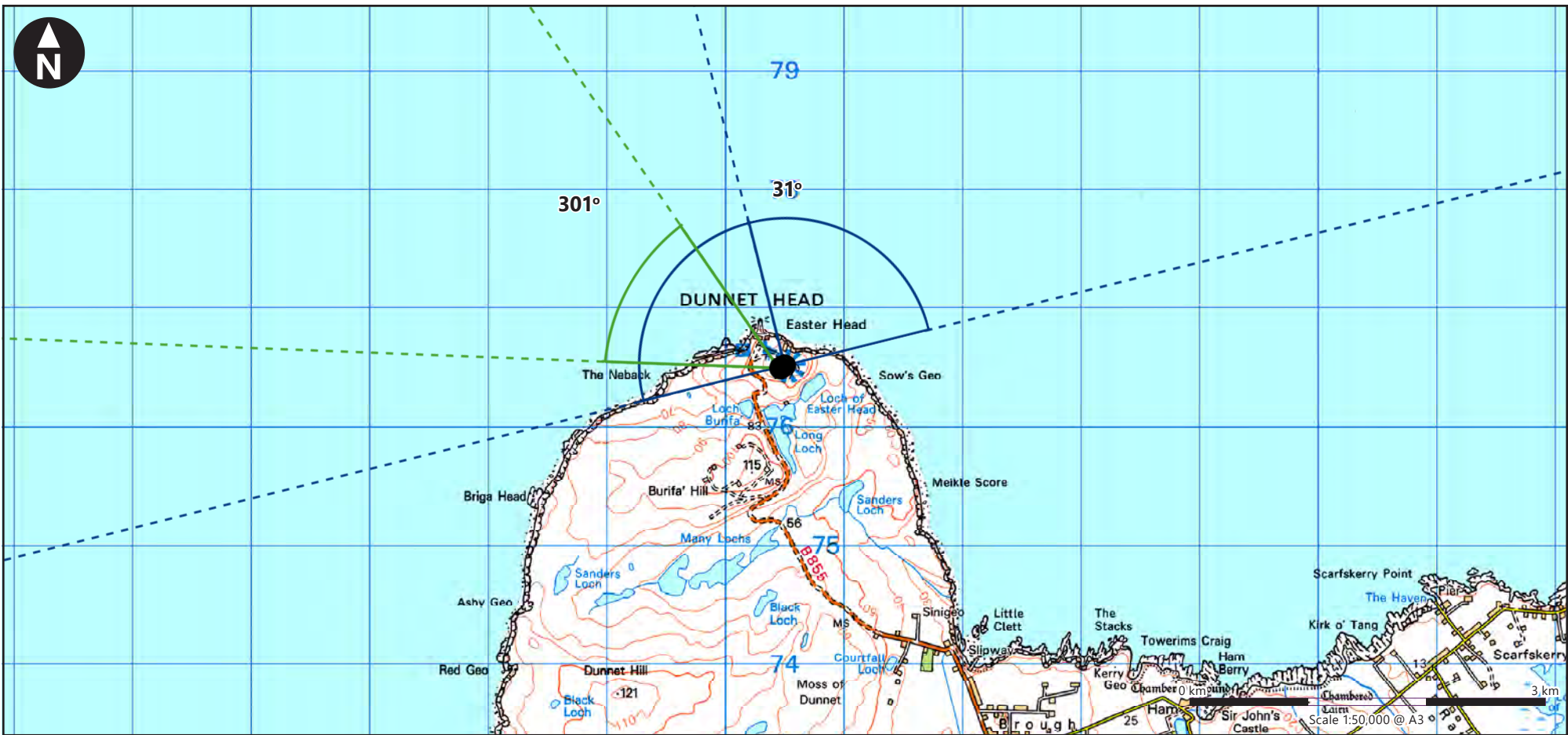
Photomontage

View flat at a comfortable arm's length

OS reference:	E321,900, N970,493	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	6.2m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	295°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	44,516 m	Correct printed image size:	820 x 260mm	Date and time:	30/10/2022 13:28

Client		West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP12e</b> <b>Viewpoint 12: Dunnet Bay - at Caravan Park</b>	July 2023	
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### Viewpoint Parameters

OS reference:	E320,533 N976,501
Ground Level Elevation:	122.9m AOD
Camera Height:	1.5m AGL
Direction of view to site centre <sup>3</sup> :	301°
Distance to nearest turbine:	39,520m
Number of blade tips theoretically visible <sup>4</sup> :	125
Number of hubs theoretically visible <sup>4</sup> :	125
Date and time of viewpoint photography:	18/5/2022 @ 09:58
Camera:	Nikon Z6 II
Lens:	50mm (Nikon Z 50mm f/1.8)

### Information on the limitations of visualisations:

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### Additional notes:

1. This figure has been based on the following parameters:  
Turbine layout file: LORKNEY001.WFL
  - Hub height: 194.52m
  - Rotor diameter: 330m
  - Height to blade tip: 359.52m
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

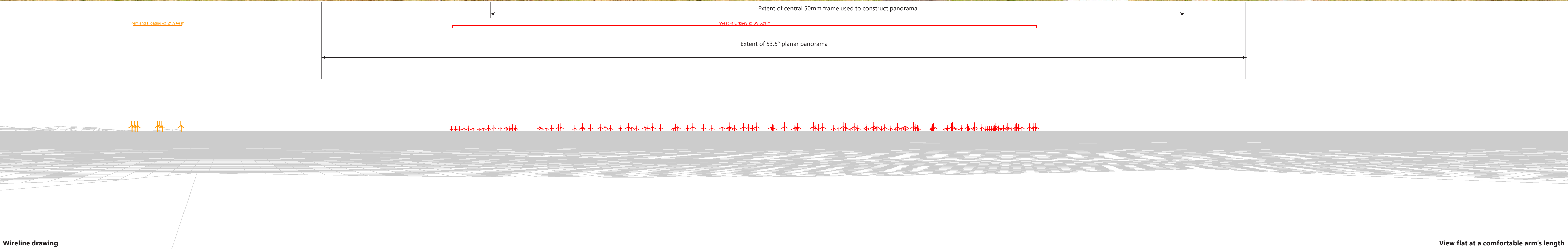
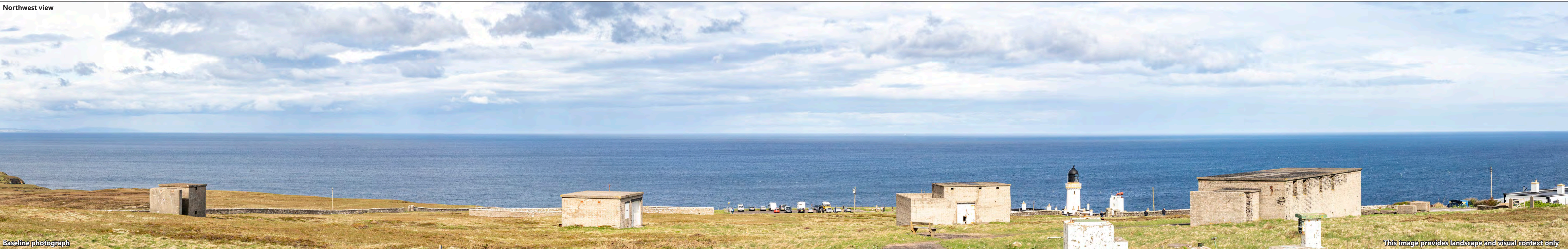
West of Orkney Offshore Wind Farm  
EIA Report

**Figure 18.VP13a  
Viewpoint 13: Dunnet Head**

July 2023



H:\data\Projects\653781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\Design\2023-07 Extra\VP13 MS Dunnet Head 653781-FC-SA-00025\_E4.indd Originator: wilsco3



<b>Wind Farm Key:</b> West of Orkney Wind Farm  Existing  Consented  Application			OS reference: E320,533, N976,501 Eye level: 122.9m AOD Direction of view: 301° Nearest turbine: 39,520 m		Horizontal field of view: 90° (cylindrical projection) Principal distance: 522mm Paper size: 841mm x 297mm (half A1) Correct printed image size: 820 x 130mm		Camera: Nikon Z6 II Lens: 50mm (Nikon Z 50mm f/1.8) Camera height: 1.5m AGL Date and time: 18/05/2022 09:58		Client	West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP13b</b> <b>Viewpoint 13: Dunnet Head</b>	July 2023
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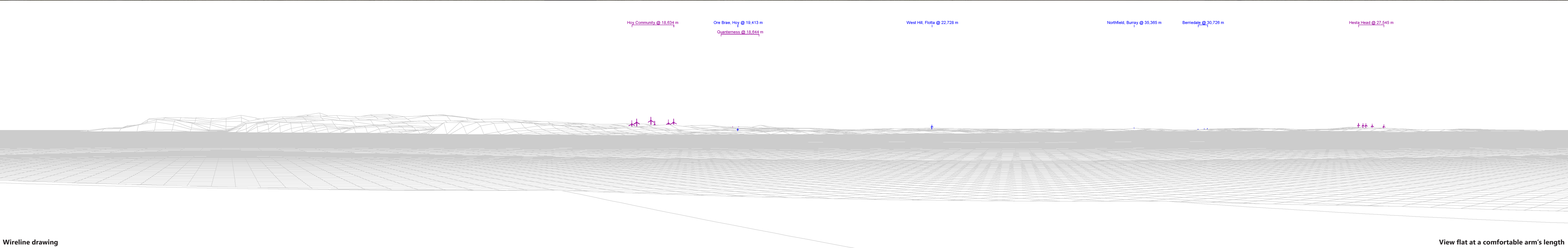
H:\data\Projects\653781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\Design\2023-07 Extra\VP13 MS Dunnet Head 653781-FC-SA-00025\_S4.mxd  
Originator: wils03

Northeast view



Baseline photograph

This image provides landscape and visual context only





Wireline drawing

View flat at a comfortable arm's length

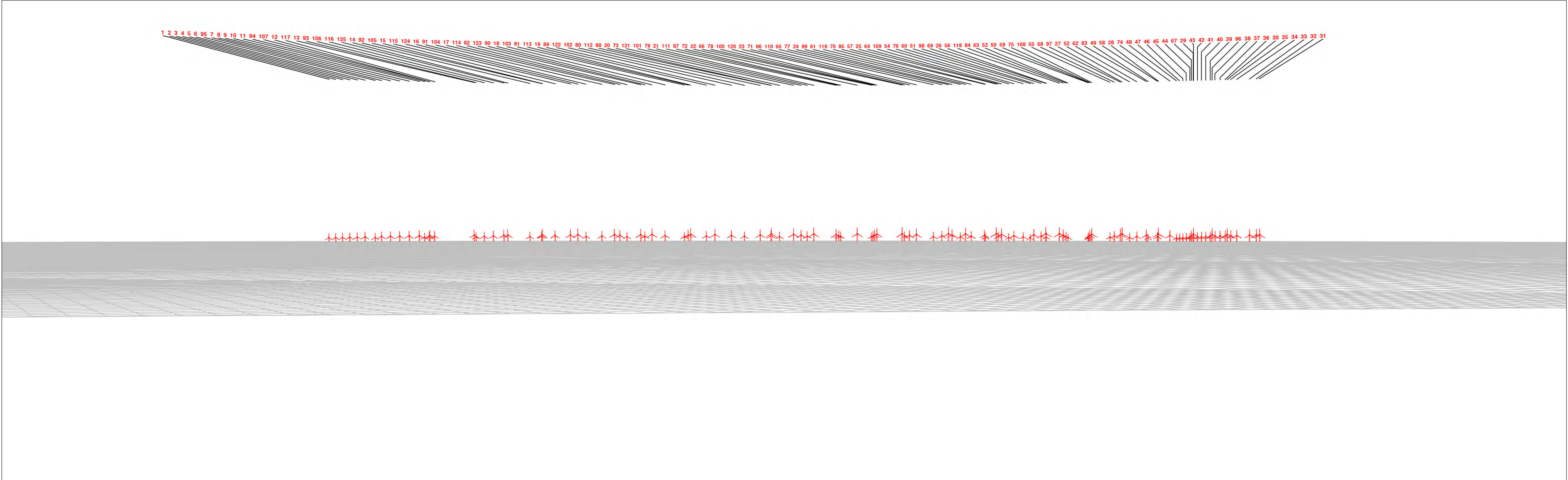
**Wind Farm Key:**  West of Orkney Wind Farm  Existing  Consented  Application

OS reference:	E320,533, N976,501	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	122.9m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	31°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	39,520 m	Correct printed image size:	820 x 130mm	Date and time:	18/05/2022 09:58

Client		West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP13c</b> <b>Viewpoint 13: Dunnet Head</b>	July 2023	
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H:\data\Projects\653781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\Design\2023-07\ExtraVP13 WS Dunnet Head 653781-FC-SA-00025\_E4.indd Originator: wilsc03







H:\Data\Projects\053781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\InDesign\2023-07 Extra\VP13 MS Dunnet Head 053781-FC-SA-00025\_B4.indd Originator: wilsco3



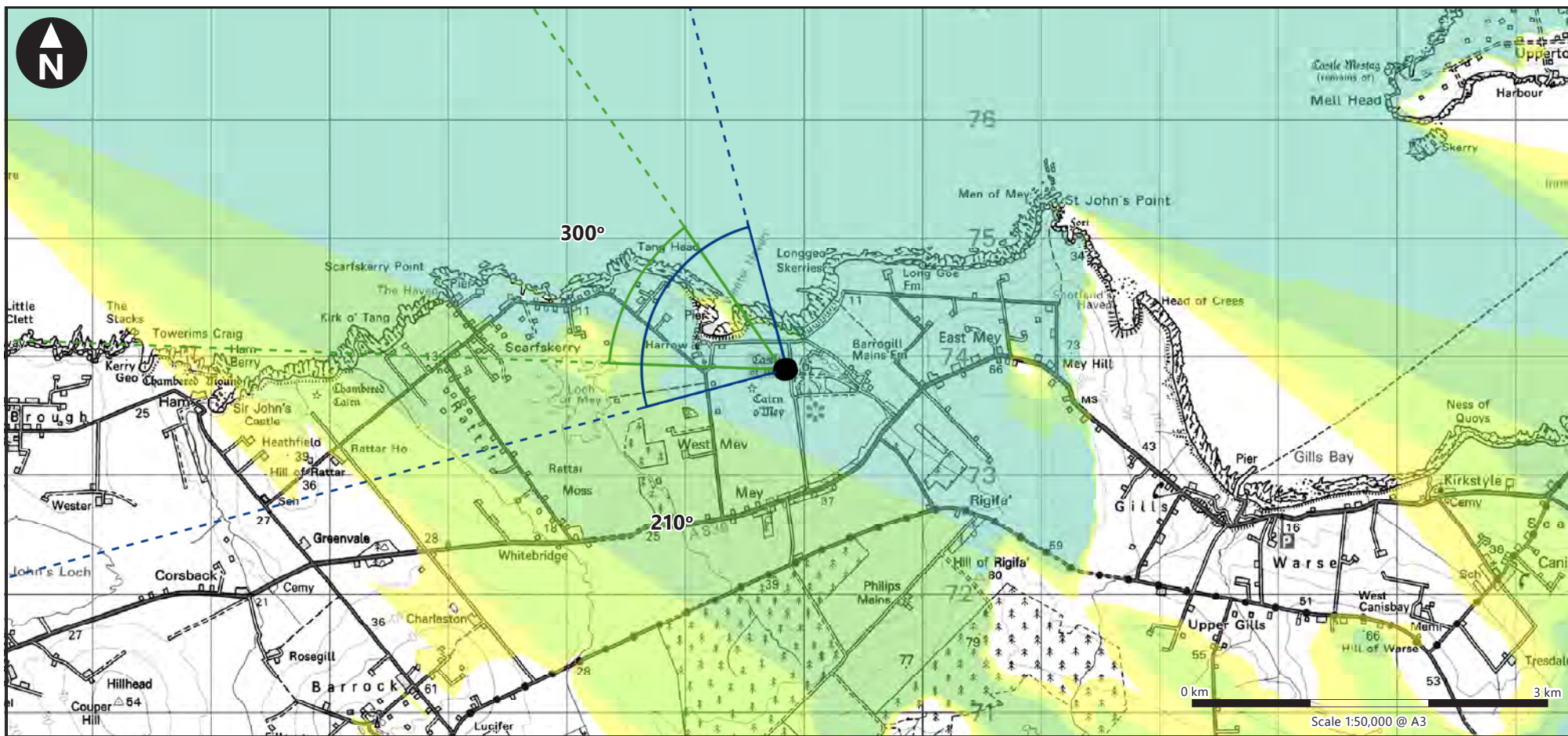
Photomontage

View flat at a comfortable arm's length

OS reference:	E320.533, N976.501	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	122.9m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	300°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	39,520 m	Correct printed image size:	820 x 260mm	Date and time:	18/05/2022 09:58

Client		West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP13e</b> <b>Viewpoint 13: Dunnet Head</b>	July 2023	
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OS reference:	E328,890 N973,921
Ground Level Elevation:	26.1m AOD
Camera Height:	1.5m AGL
Direction of view to site centre <sup>3</sup> :	300°
Distance to nearest turbine:	47,759m
Number of blade tips theoretically visible <sup>4</sup> :	125
Number of hubs theoretically visible <sup>4</sup> :	125
Date and time of viewpoint photography:	30/10/2022 @ 13:53
Camera:	Nikon Z6 II
Lens:	50mm (Nikon Z 50mm f/1.8)

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.

1. This figure has been based on the following parameters:  
Turbine layout file: LORKNEY001.WFL
  - Hub height: 194.52m
  - Rotor diameter: 330m
  - Height to blade tip: 359.52m
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).



**West of Orkney**  
Windfarm

**Figure 18.VP14a**  
**Viewpoint 14: Castle of Mey LB & GDL**

July 2023

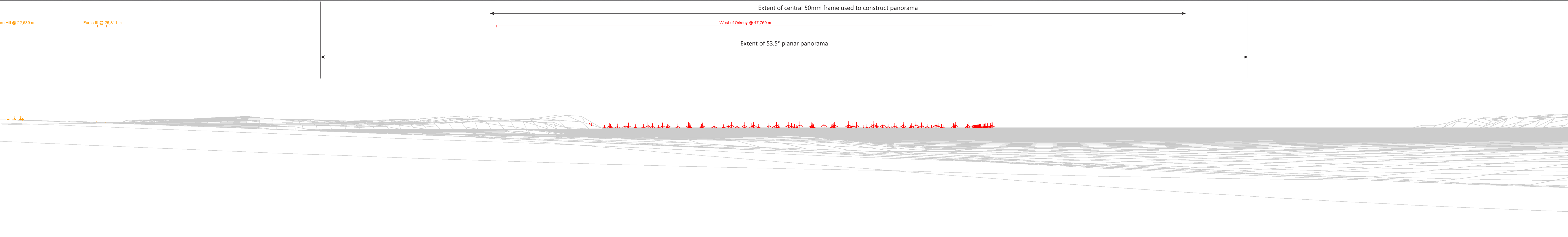






Baseline photograph

This image provides landscape and visual context only



Wireline drawing

View flat at a comfortable arm's length

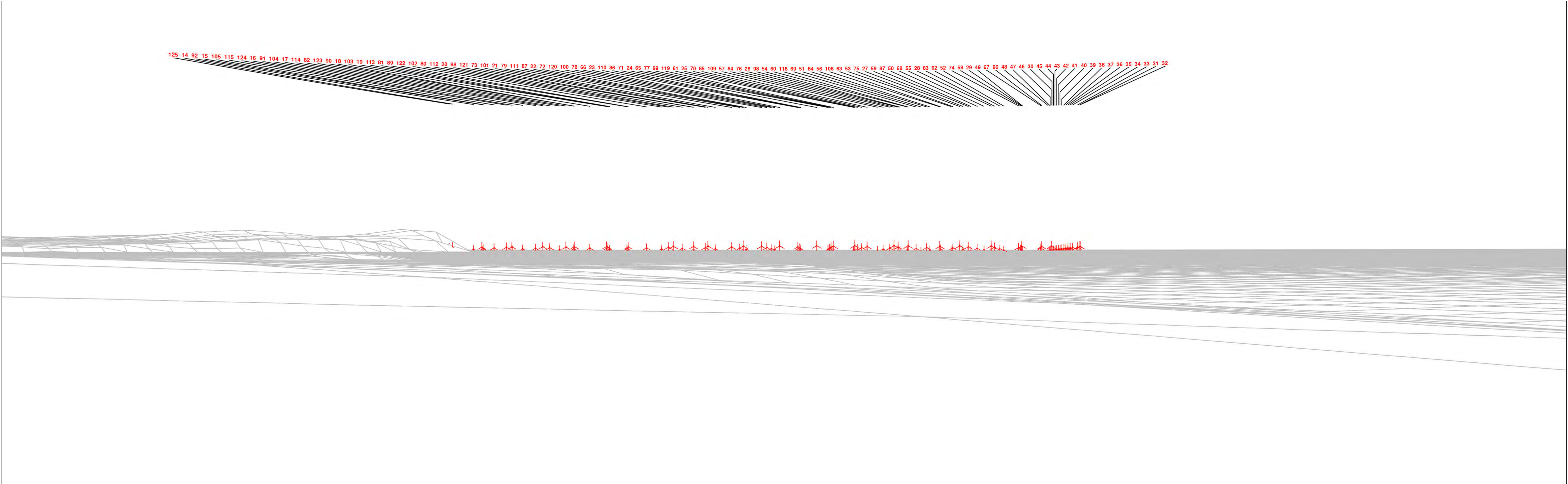
Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

OS reference:	E328,890, N973,921	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	26.1m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	300°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	47,759 m	Correct printed image size:	820 x 130mm	Date and time:	30/10/2022 13:53

Client		West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP14b</b> <b>Viewpoint 14: Castle of Mey LB &amp; GDL</b>	July 2023	
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H:\data\Projects\655781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\Design\2023-07\ExtraVP14 NS Castle of Mey 655781-FG-SA-00027\_F3.indd Originator: wilsco3







H:\Data\Projects\655781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\2023-07 Extra\VP14 NS Castle of Mey 655781-F6-S4-00027-R3.indd Originator: wils03



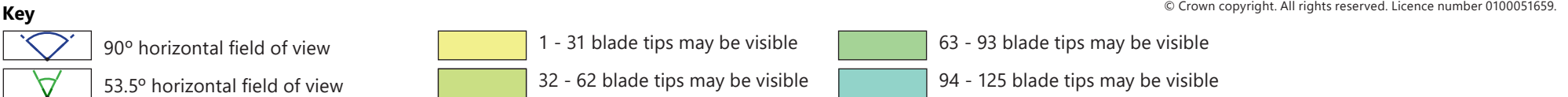
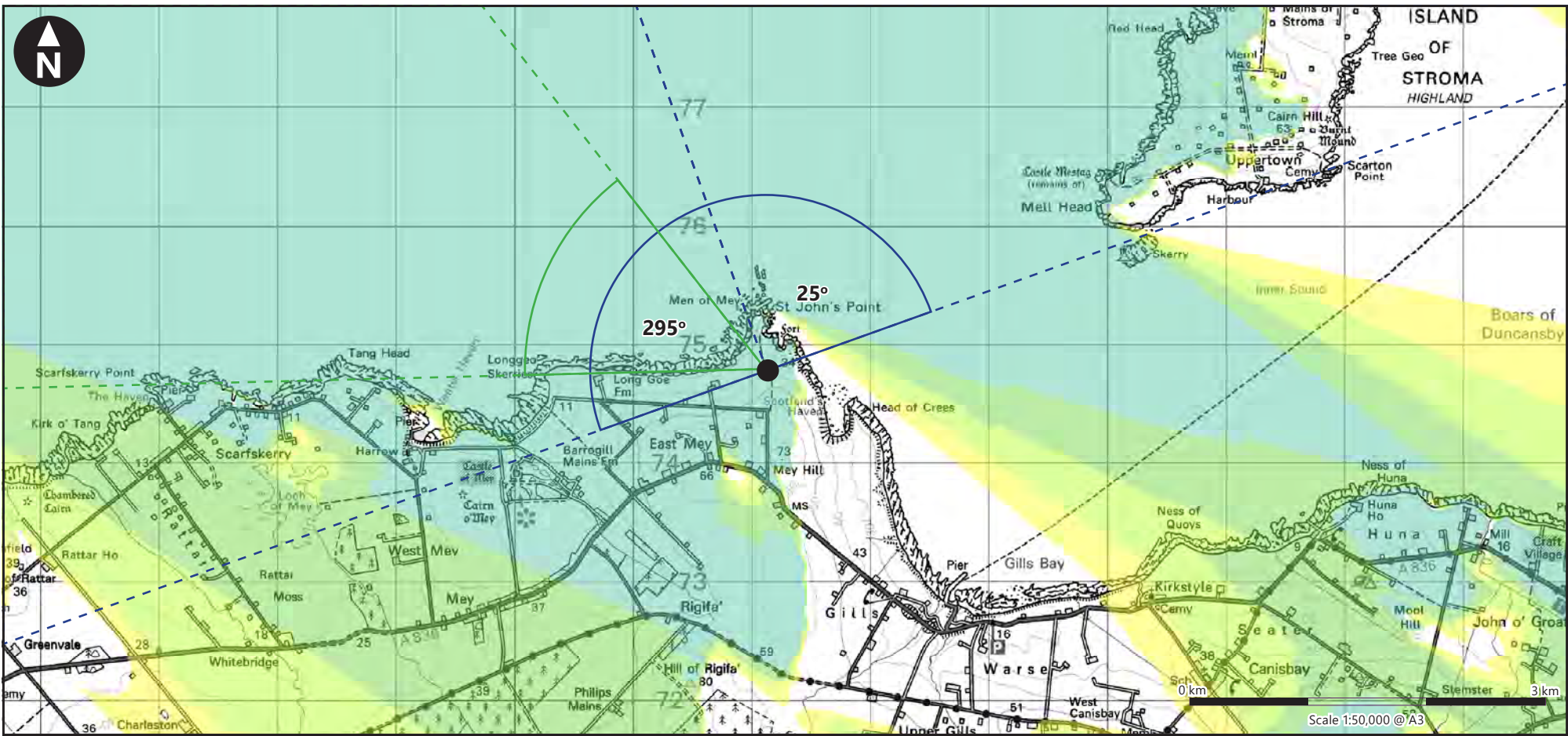
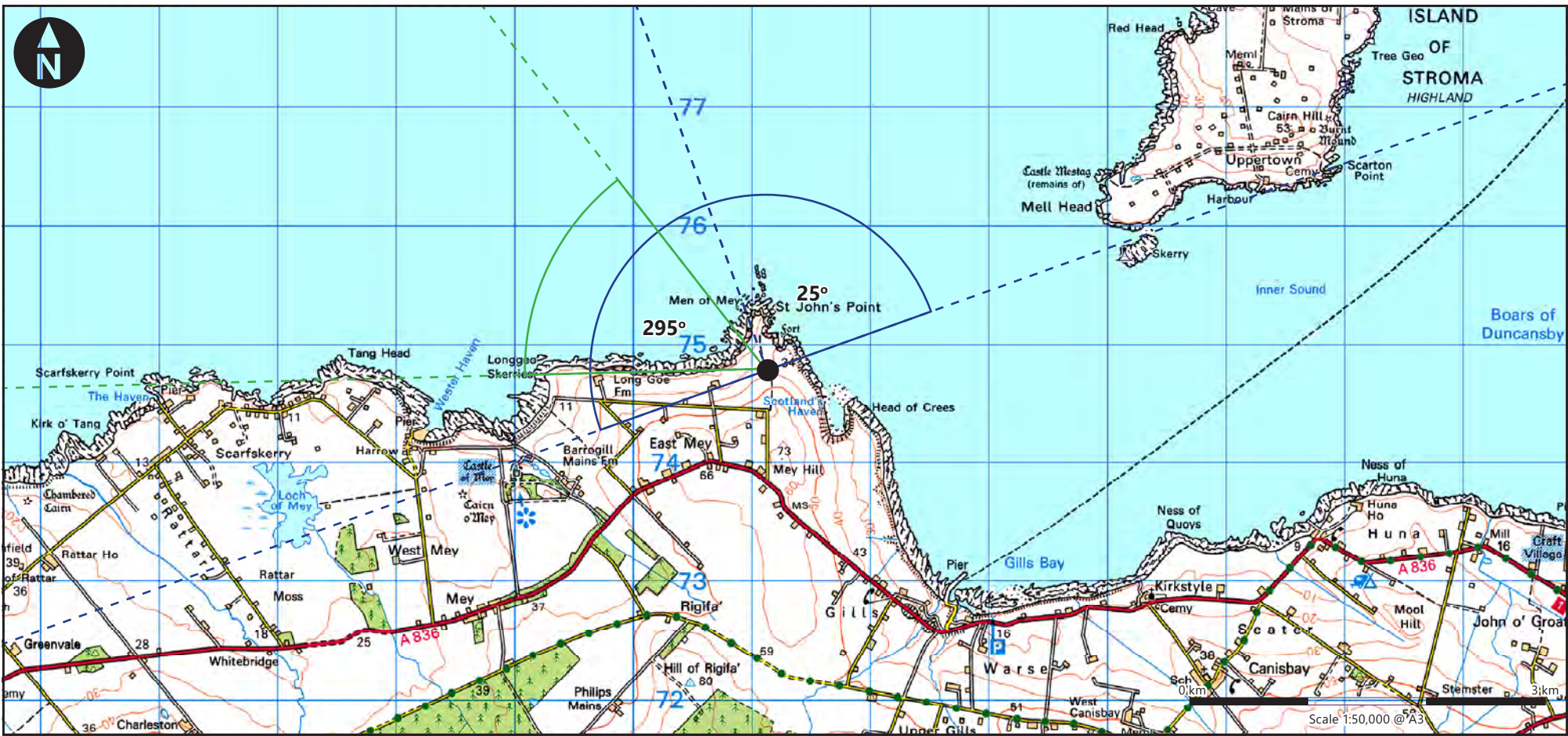
Photomontage

View flat at a comfortable arm's length

OS reference:	E328,890, N973,921	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	26.1m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	300°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	47,759 m	Correct printed image size:	820 x 260mm	Date and time:	30/10/2022 13:53

Client	West of Orkney Offshore Wind Farm EIA Report	Figure 18.VP14d Viewpoint 14: Castle of Mey LB & GDL	July 2023
			





### Viewpoint Parameters

OS reference:	N331 127, E974 780
Ground Level Elevation:	36m AOD
Camera Height:	1.5m AGL
Direction of view to site centre <sup>3</sup> :	298°
Distance to nearest turbine:	49,141m
Number of blade tips theoretically visible <sup>4</sup> :	125
Number of hubs theoretically visible <sup>4</sup> :	122
Date and time of viewpoint photography:	30/10/2022 @ 14:15
Camera:	Nikon Z6 II
Lens:	50mm (Nikon Z 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: LORKNEY001.WFL
  - Hub height: 194.52m
  - Rotor diameter: 330m
  - Height to blade tip: 359.52m
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



West of Orkney Offshore Wind Farm  
EIA Report

**Figure 18.VP15a**  
**Viewpoint 15:**  
**St. John's Point**

July 2023



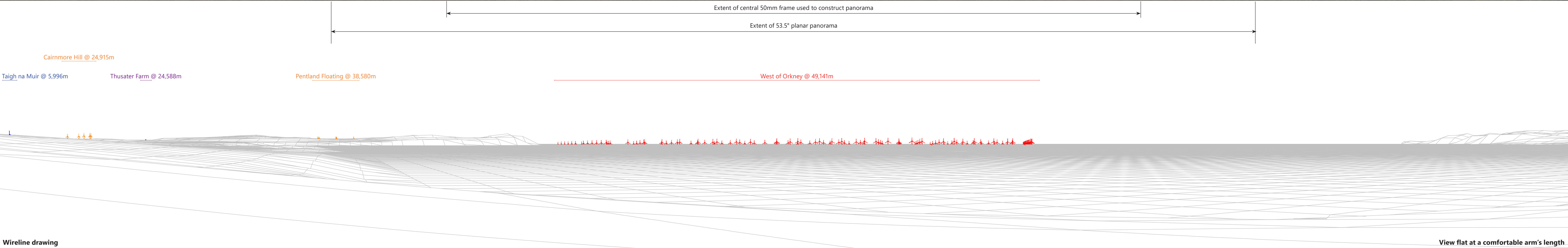


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Northwest view

Baseline photograph

This image provides landscape and visual context only



Wireline drawing

Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

OS reference:	N331 127, E974 780	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	37.5m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	295°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	49,141m	Correct printed image size:	820 x 130mm	Date and time:	30/10/2022 14:15

Client



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP15b  
Viewpoint 15:  
St. John's Point

July 2023



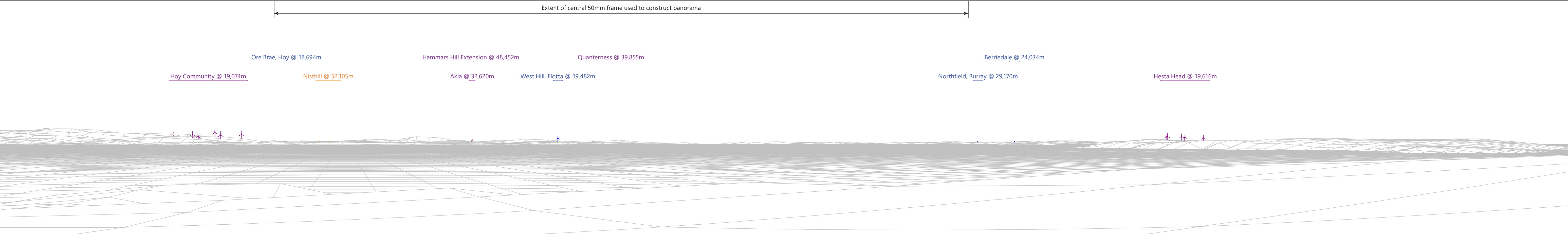


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Northeast view

Baseline photograph

This image provides landscape and visual context only



Wireline drawing

View flat at a comfortable arm's length

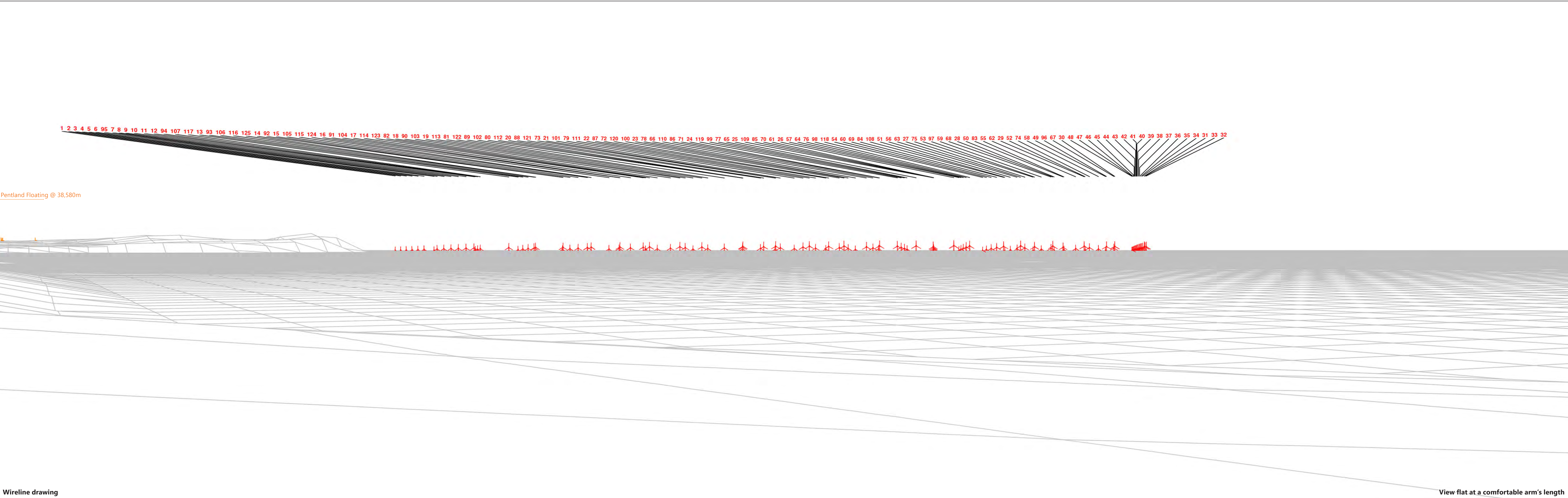
Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

OS reference:	N331 127, E974 780	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	37.5m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	25°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	49,141m	Correct printed image size:	820 x 130mm	Date and time:	30/10/2022 14:15

Client		West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP15c</b> <b>Viewpoint 15:</b> <b>St. John's Point</b>	July 2023	
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Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key:  West of Orkney Wind Farm  Existing  Consented  Application

OS reference:	N331 127, E974 780	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	37.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	295°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	49,141m	Correct printed image size:	820 x 260mm	Date and time:	30/10/2022 14:15

Client



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP15d  
Viewpoint 15:  
St. John's Point

July 2023





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Photomontage

View flat at a comfortable arm's length

OS reference:	N331 127, E974 780	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	37.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	295°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	49,141m	Correct printed image size:	820 x 260mm	Date and time:	30/10/2022 14:15

Client



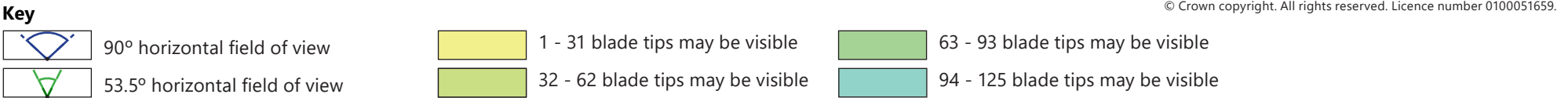
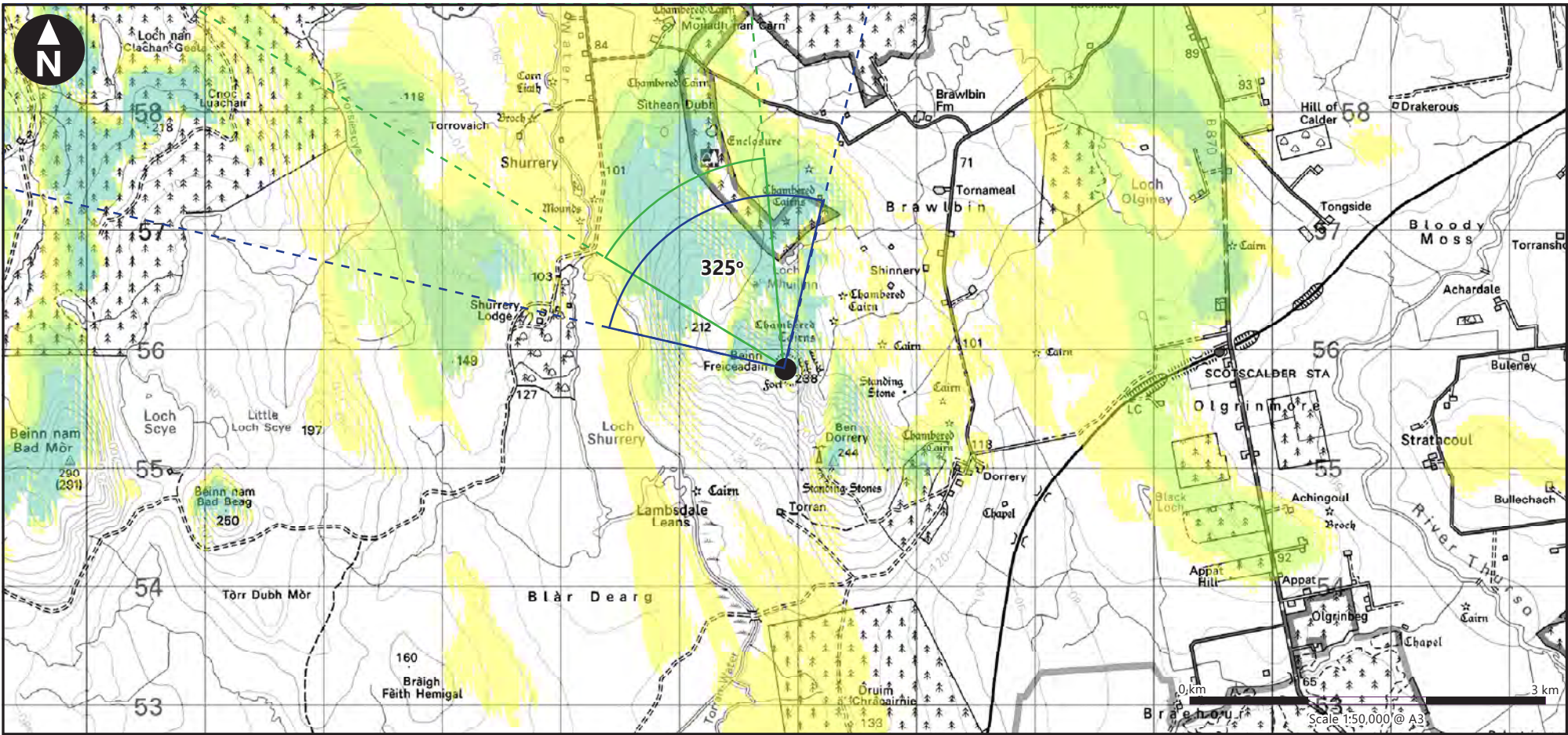
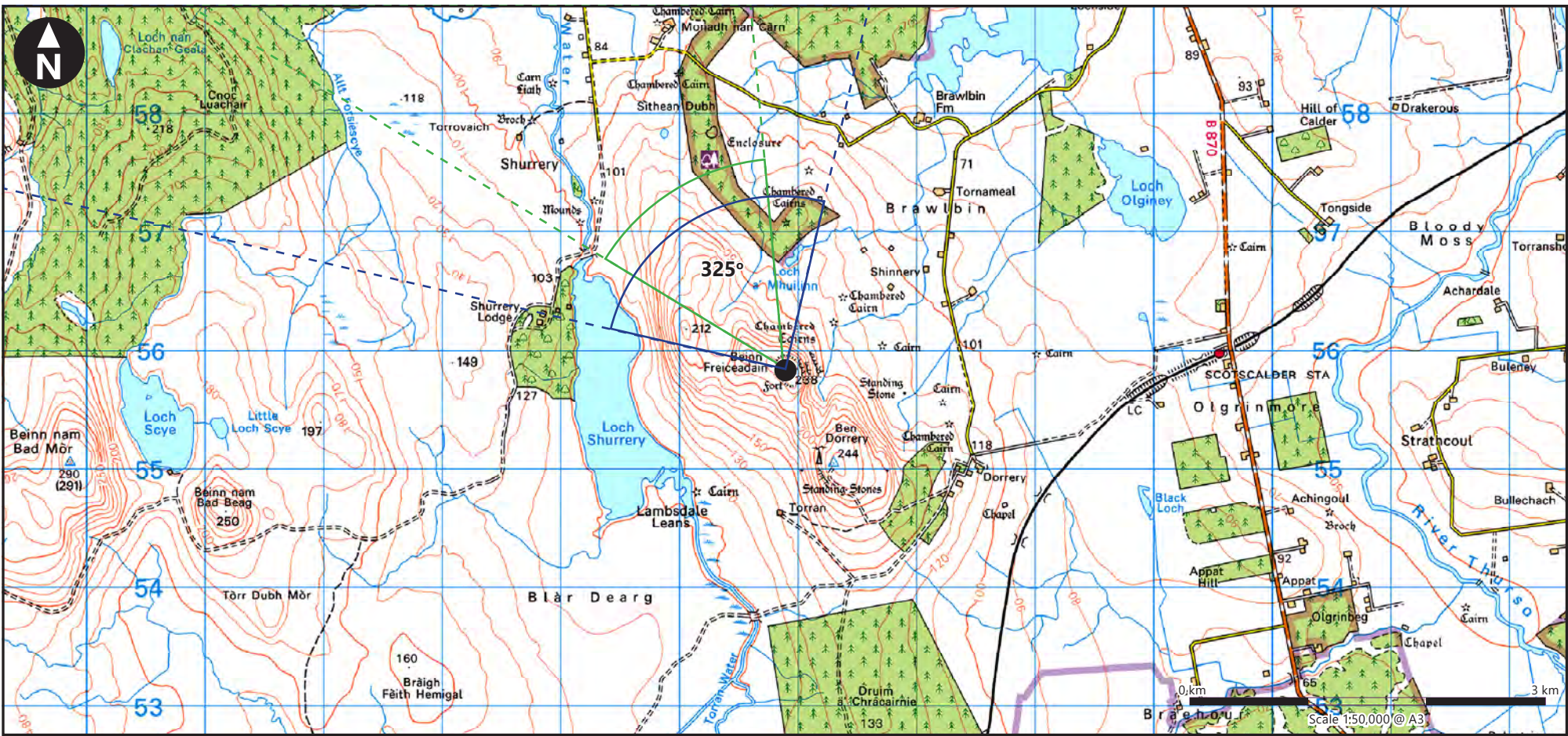
West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP15e  
Viewpoint 15:  
St. John's Point

July 2023







### Viewpoint Parameters

OS reference:	N305 935, E955 849
Ground Level Elevation:	233m AOD
Camera Height:	1.5m AGL
Direction of view to site centre <sup>3</sup> :	325°
Distance to nearest turbine:	47,133m
Number of blade tips theoretically visible <sup>4</sup> :	125
Number of hubs theoretically visible <sup>4</sup> :	125
Date and time of viewpoint photography:	23/03/2023 @ 15:09
Camera:	Nikon Z6 II
Lens:	50mm (Nikon Z 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: LORKNEY001.WFL
  - Hub height: 194.52m
  - Rotor diameter: 330m
  - Height to blade tip: 359.52m
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



West of Orkney Offshore Wind Farm  
EIA Report

**Figure 18.VP16a**  
**Viewpoint 16:**  
**Beinn Freiceadain Hillfort**

August 2023



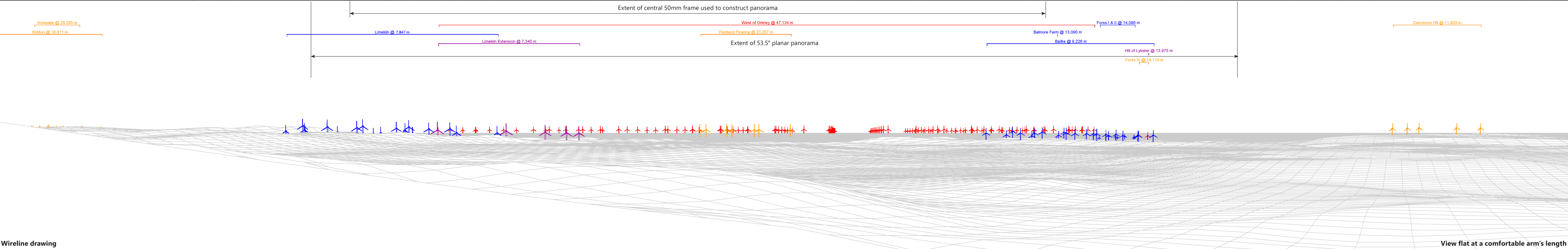


Northwest view



Baseline photograph

This image provides landscape and visual context only



Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

OS reference:	N305 935, E955 849	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	233m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	325°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	47,133m	Correct printed image size:	820 x 130mm	Date and time:	23/03/2023 15:09



Client  
West of Orkney Offshore Wind Farm  
EIA Report

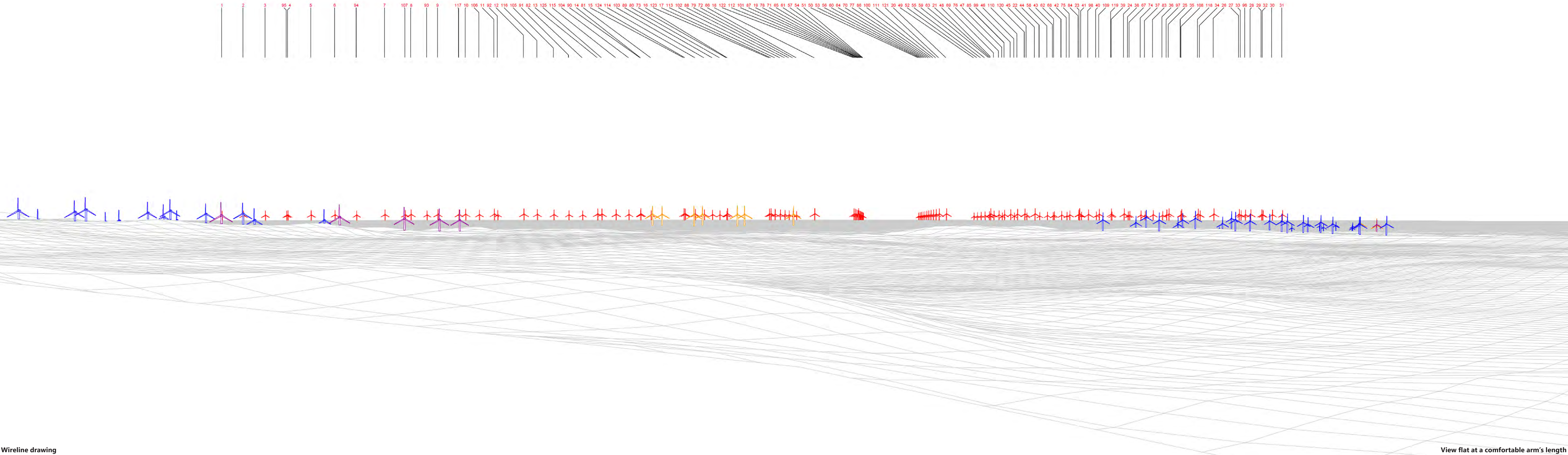
Figure 18.VP16b  
Viewpoint 16:  
Beinn Freiceadain Hillfort

August 2023





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**Wind Farm Key:**  West of Orkney Wind Farm  Existing  Consented  Application

OS reference:	N305 935, E955 849	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	233m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	325°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	47,133m	Correct printed image size:	820 x 260mm	Date and time:	23/03/2023 15:09

Client



West of Orkney Offshore Wind Farm  
EIA Report

**Figure 18.VP16c**  
**Viewpoint 16:**  
**Beinn Freiceadain Hillfort**

August 2023







Z:\Projects\83781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\Wind Design\2023\_07 Extra\VP16 NS Beinn Freiceadain 83781 FG-SA-00031\_RS.indd Originator: wils03



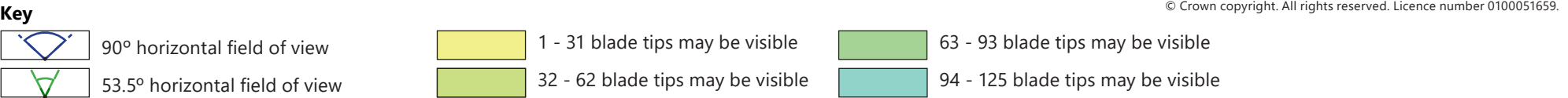
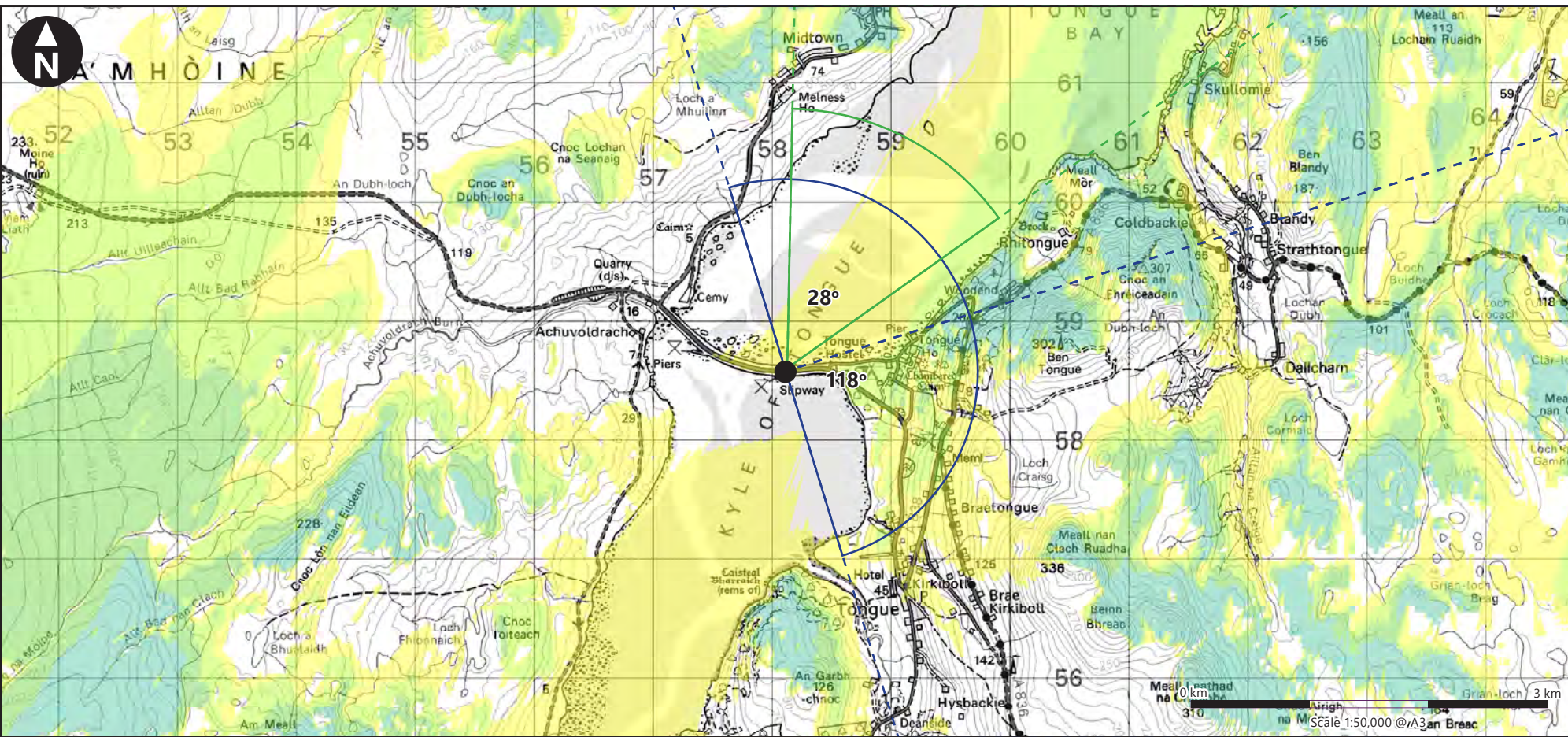
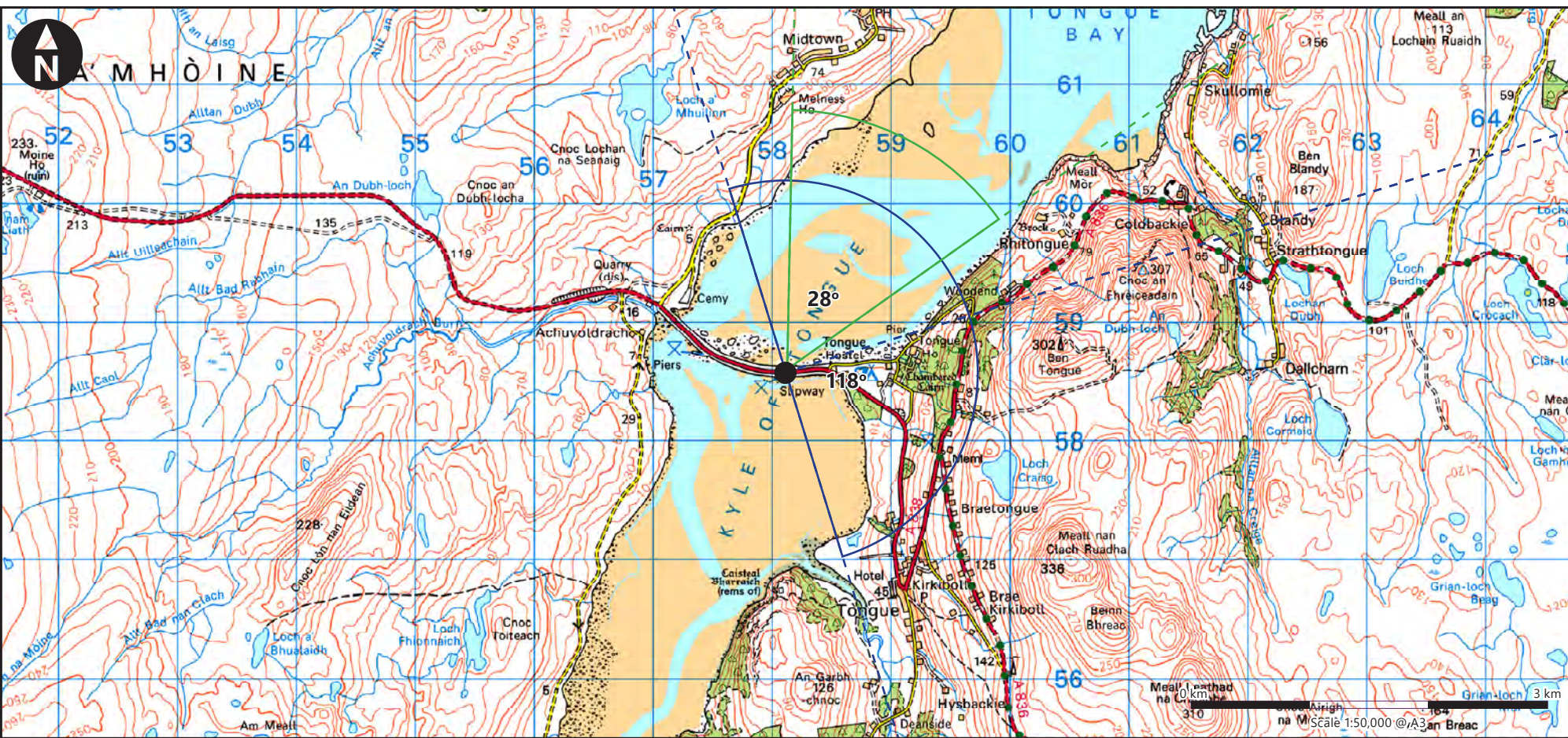
Photomontage

View flat at a comfortable arm's length

OS reference:	N305 935, E955 849	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	233m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	325°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	47,133m	Correct printed image size:	820 x 260mm	Date and time:	23/03/2023 15:09

Client		West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP16d</b> <b>Viewpoint 16:</b> <b>Beinn Freiceadain Hillfort</b>	August 2023	
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### Viewpoint Parameters

OS reference:	N258 109, E958 573
Ground Level Elevation:	3m AOD
Camera Height:	1.5m AGL
Direction of view to site centre <sup>3</sup> :	28°
Distance to nearest turbine:	32,624m
Number of blade tips theoretically visible <sup>4</sup> :	125
Number of hubs theoretically visible <sup>4</sup> :	125
Date and time of viewpoint photography:	30/10/2022 @ 11:45
Camera:	Nikon Z6 II
Lens:	50mm (Nikon Z 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: LORKNEY001.WFL
  - Hub height: 194.52m
  - Rotor diameter: 330m
  - Height to blade tip: 359.52m
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



West of Orkney Offshore Wind Farm  
EIA Report

**Figure 18.VP17a**  
**Viewpoint 17:**  
**Kyle of Tongue - A838 Causeway**

July 2023

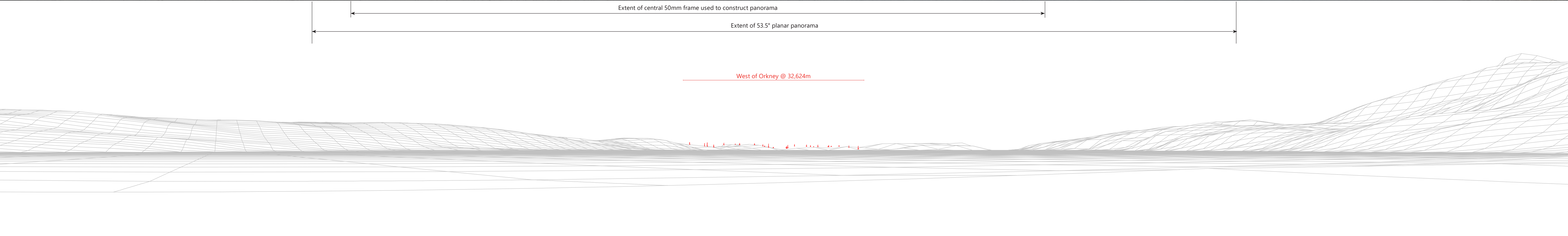








### Baseline photograph

**This image provides landscape and visual context only**



## Wireline drawing

**View flat at a comfortable arm's length**

<p><b>Wind Farm Key:</b>  West of Orkney Wind Farm  Existing  Consented  Application</p>				<p>OS reference: N258 109, E958 573      Horizontal field of view: 90° (cylindrical projection)      Camera: Nikon Z6 II</p> <p>Eye level: 4.5m AOD      Principal distance: 522mm      Lens: 50mm (Nikon Z 50mm f/1.8)</p> <p>Direction of view: 28°      Paper size: 841mm x 297mm (half A1)      Camera height: 1.5m AGL</p> <p>Nearest turbine: 32.624m      Correct printed image size: 820 x 130mm      Date and time: 30/10/2022 11:45</p>				<p>Client </p>		<p>West of Orkney Offshore Wind Farm EIA Report</p>		<p><b>Figure 18.VP17b</b> <b>Viewpoint 17:</b> <b>Kyle of Tongue - A838 Causeway</b></p>		<p>July 2023 </p>	
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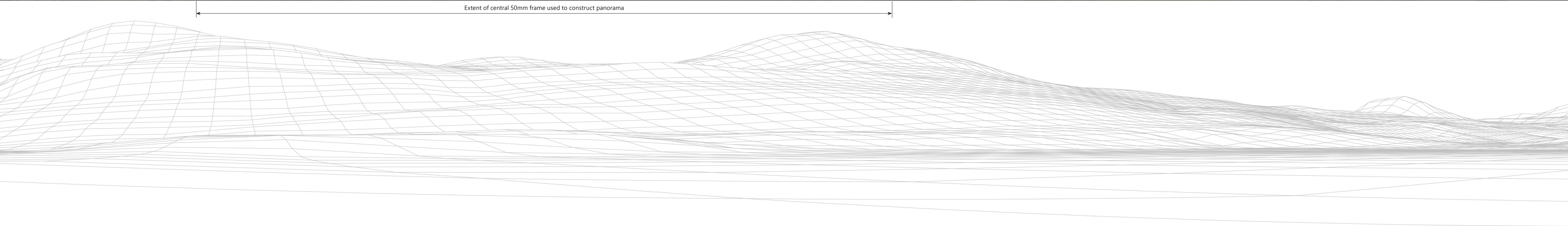
Northeast view



Baseline photograph

This image provides landscape and visual context only

Extent of central 50mm frame used to construct panorama



Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

OS reference:	N258 109, E958 573	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	4.5m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	118°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	32,624m	Correct printed image size:	820 x 130mm	Date and time:	30/10/2022 11:45

Client



West of Orkney Offshore Wind Farm  
EIA Report

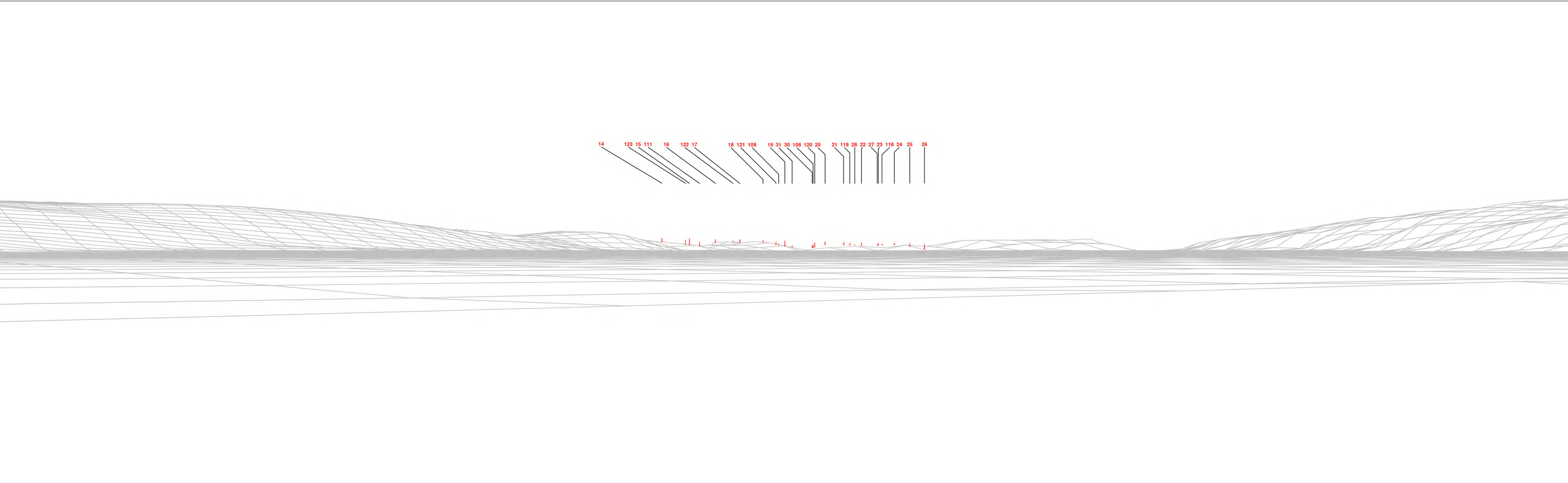
Figure 18.VP17c  
Viewpoint 17:  
Kyle of Tongue - A838 Causeway

July 2023







H:\data\Projects\653781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\Design\2023-07 Extra\VP17 WS Kyle of Tongue 853781-FG-SA-00033\_R4.indd      Originator: wisc03





Wireline drawing

Wind Farm Key:

 West of Orkney Wind Farm

 Existing

 Consented

 Application

OS reference:

N258 109, E958 573

Horizontal field of view:

53.5° (planar projection)

Camera:

Nikon Z6 II

Eye level:

4.5m AOD

Principal distance:

812.5mm

Lens:

50mm (Nikon Z 50mm f/1.8)

Direction of view:

28°

Paper size:

841mm x 297mm (half A1)

Camera height:

1.5m AGL

Nearest turbine:

32.624m


Correct printed image size:

820 x 260mm

Date and time:

30/10/2022 11:45


Client



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP17d  
Viewpoint 17:  
Kyle of Tongue - A838 Causeway

July 2023







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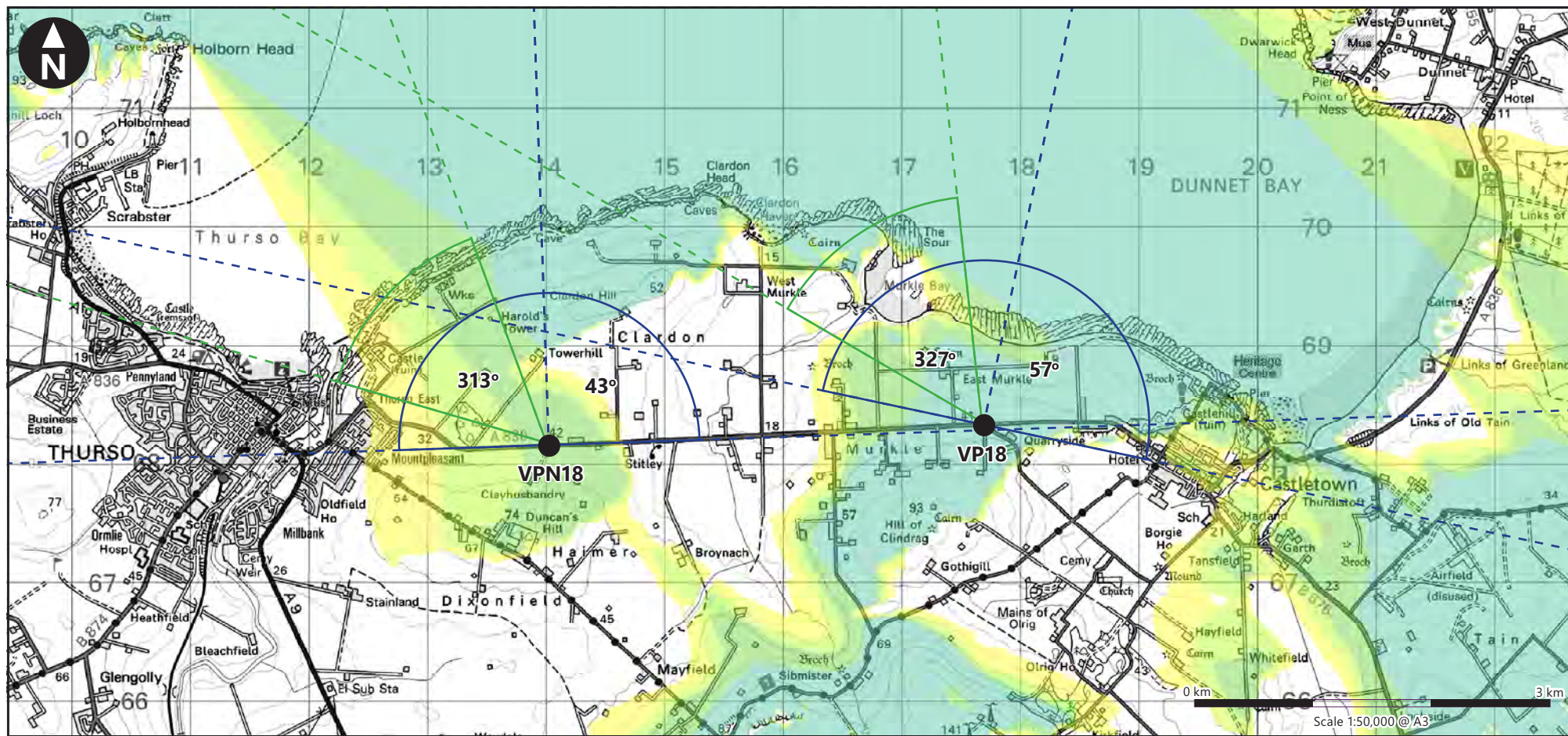
Photomontage

View flat at a comfortable arm's length

OS reference:	N258 109, E958 573	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	4.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	28°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	32,624m	Correct printed image size:	820 x 260mm	Date and time:	30/10/2022 11:45

Client		West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP17e</b> <b>Viewpoint 17:</b> <b>Kyle of Tongue - A838 Causeway</b>	July 2023	
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#### Key

	90° horizontal field of view		1 - 31 blade tips may be visible		63 - 93 blade tips may be visible
	53.5° horizontal field of view		32 - 62 blade tips may be visible		94 - 125 blade tips may be visible

#### Viewpoint Parameters

OS reference:	N317 687, E968 329
Ground Level Elevation:	43m AOD
Camera Height:	1.5m AGL
Direction of view to site centre <sup>3</sup> :	311°
Distance to nearest turbine:	43,200m
Number of blade tips theoretically visible <sup>4</sup> :	114
Number of hubs theoretically visible <sup>4</sup> :	106
Date and time of viewpoint photography:	29/10/2022 @ 09:40
Camera:	Nikon Z6 II
Lens:	50mm (Nikon Z 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: LORKNEY001.WFL  
• Hub height: 194.52m  
• Rotor diameter: 330m  
• Height to blade tip: 359.52m
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



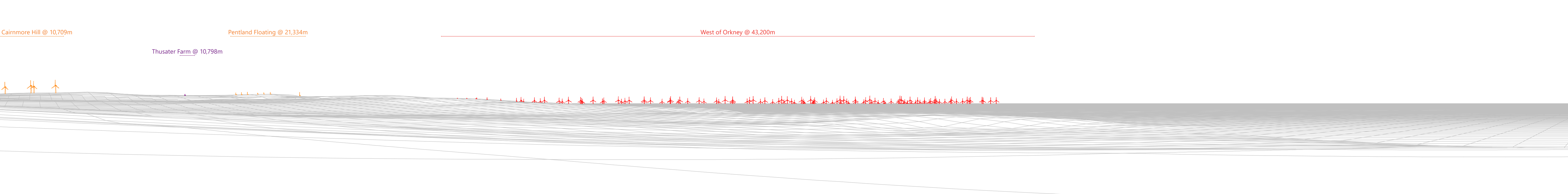
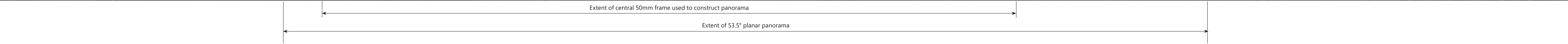
West of Orkney Offshore Wind Farm  
EIA Report







**Figure 18.VP18a**  
**Viewpoint 18:**  
**A836 Between Thurso and Castletown**

July 2023







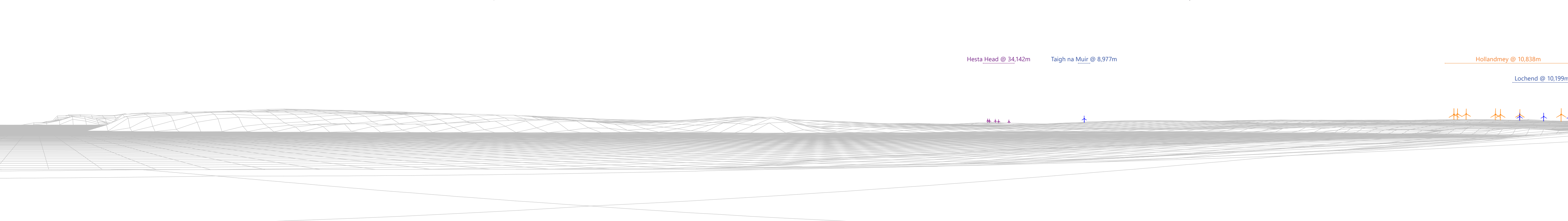
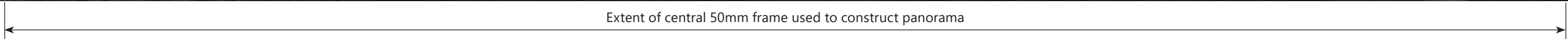
Wireline drawing										View flat at a comfortable arm's length								
<b>Wind Farm Key:</b>  West of Orkney Wind Farm  Existing  Consented  Application	OS reference:		N317 687, E968 329		Horizontal field of view:		90° (cylindrical projection)		Camera:		Nikon Z6 II			Client	West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP18b</b> <b>Viewpoint 18:</b> <b>A836 Between Thurso and Castletown</b>	July 2023	
	Eye level:		44.5m AOD		Principal distance:		522mm		Lens:		50mm (Nikon Z 50mm f/1.8)							
	Direction of view:		327°		Paper size:		841mm x 297mm (half A1)		Camera height:		1.5m AGL							
	Nearest turbine:		43,200m		Correct printed image size:		820 x 130mm		Date and time:		29/10/2022 09:40							





Baseline photograph

This image provides landscape and visual context only



Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

OS reference:	N317 687, E968 329	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	44.5m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	57°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	43,200m	Correct printed image size:	820 x 130mm	Date and time:	29/10/2022 09:40

Client



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP18c  
Viewpoint 18:  
A836 Between Thurso and Castletown

July 2023

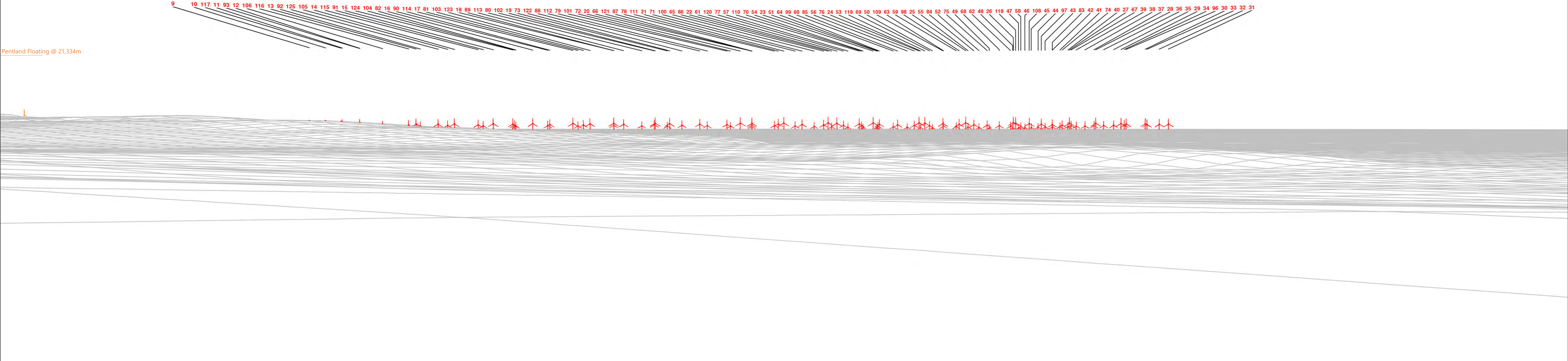




Originator: wilsc03

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Pentland Floating @ 21,334m



Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key:  West of Orkney Wind Farm  Existing  Consented  Application

OS reference:	N317 687, E968 329	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	44.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	327°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	43.200m	Correct printed image size:	820 x 260mm	Date and time:	29/10/2022 09:40

Client



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP18d  
Viewpoint 18:  
A836 Between Thurso and Castletown

July 2023





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Photomontage

View flat at a comfortable arm's length

OS reference:	N317 687, E968 329	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II	Client	West of Orkney Offshore Wind Farm	<b>Figure 18.VP18e</b> <b>Viewpoint 18:</b> <b>A836 Between Thurso and Castletown</b>	July 2023	
Eye level:	44.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)		EIA Report			
Direction of view:	327°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL					
Nearest turbine:	43,200m	Correct printed image size:	820 x 260mm	Date and time:	29/10/2022 09:40					

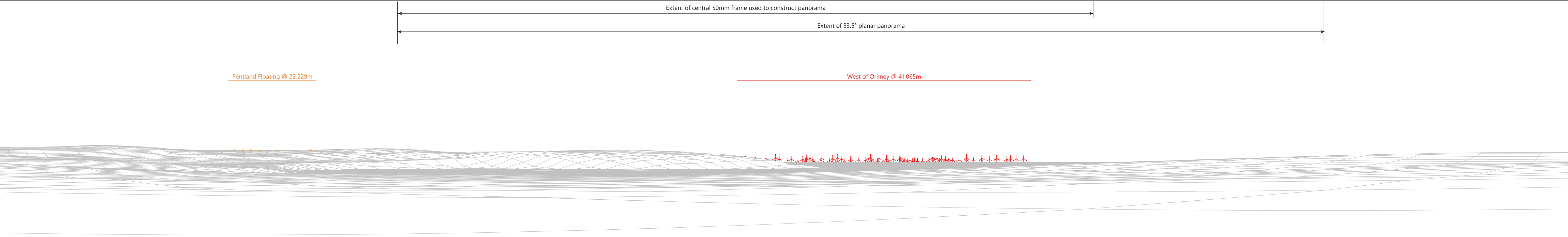




North view

Baseline photograph

This image provides landscape and visual context only



Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key: West of Orkney Wind Farm Lit Consented Wind Farms Lit Application Wind Farms

OS reference:	N314 023, E968 156	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	43.5m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	313°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	41,065m	Correct printed image size:	820 x 130mm	Date and time:	29/10/2022 07:50

Client



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP18f  
Viewpoint N18:  
A836 between Thurso and Castletown

February 2023





East view

Baseline photograph

This image provides landscape and visual context only



Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key:  West of Orkney Wind Farm  Lit Consented Wind Farms  Lit Application Wind Farms

OS reference:	N314 023, E968 156	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	43.5m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	43°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	41,065m	Correct printed image size:	820 x 130mm	Date and time:	29/10/2022 07:50

Client



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP18g  
Viewpoint N18:  
A836 between Thurso and Castletown

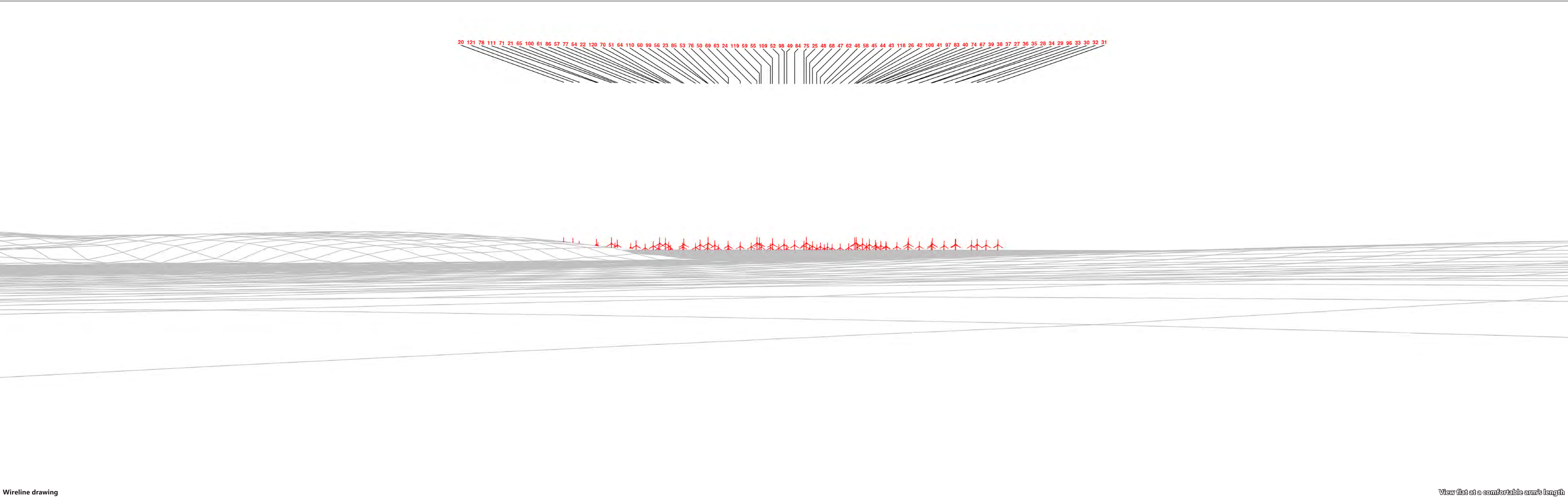
February 2023





Originator: wilsco3

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Wireline drawing

View flat at a comfortable arm's length

OS reference:	N314 023, E968 156	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	43.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	313°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	41,065m	Correct printed image size:	820 x 260mm	Date and time:	29/10/2022 07:50

Client



West of Orkney Offshore Wind Farm  
EIA Report

**Figure 18.VP18h**  
**Viewpoint N18:**  
**A836 between Thurso and Castletown**

February 2023





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Photomontage (2000cd / 200cd Intensity Lighting)

View flat at a comfortable arm's length

OS reference:	N314 023, E968 156	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	43.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	313°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	41,065m	Correct printed image size:	820 x 260mm	Date and time:	29/10/2022 07:50

Client



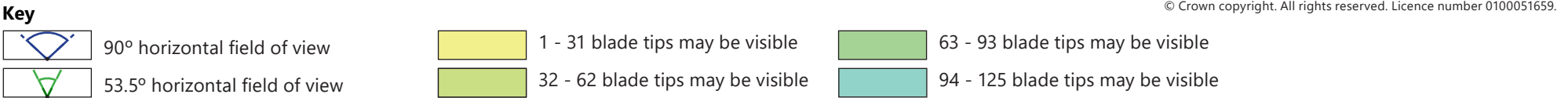
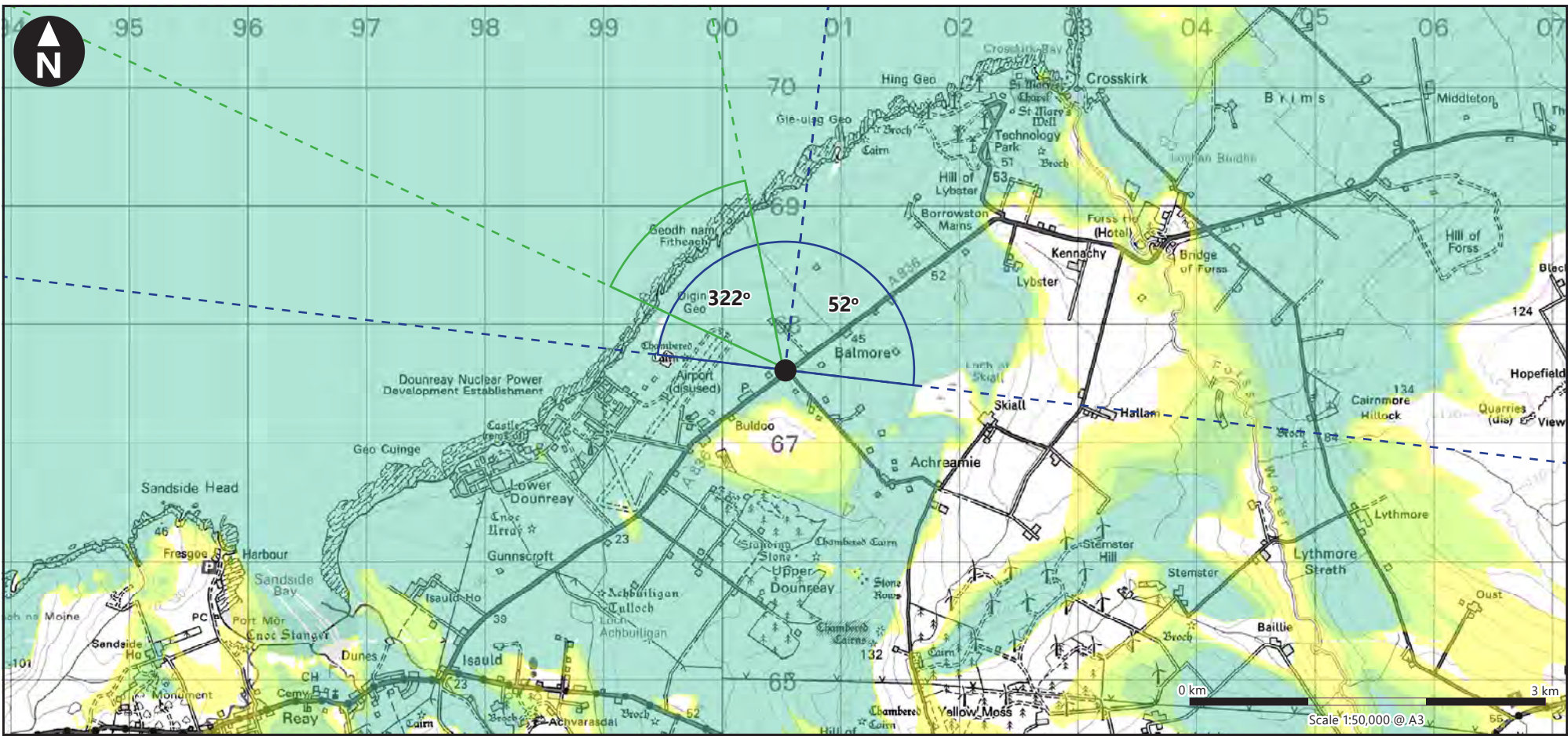
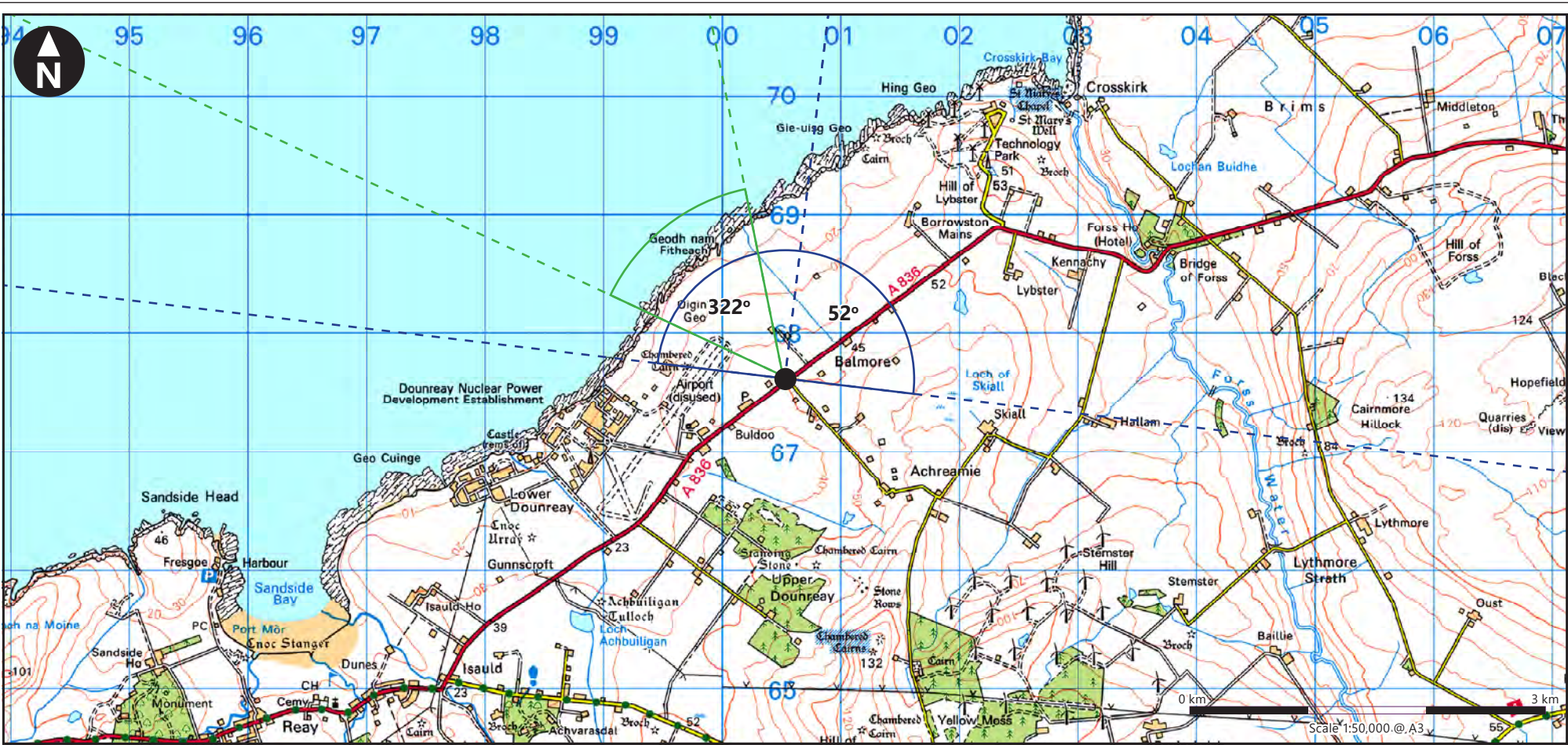
West of Orkney Offshore Wind Farm  
EIA Report

**Figure 18.VP18i**  
**Viewpoint N18:**  
**A836 between Thurso and Castletown**

February 2023







### Viewpoint Parameters

OS reference:	N300 533, E967 612
Ground Level Elevation:	49m AOD
Camera Height:	1.5m AGL
Direction of view to site centre <sup>3</sup> :	326°
Distance to nearest turbine:	34,295m
Number of blade tips theoretically visible <sup>4</sup> :	125
Number of hubs theoretically visible <sup>4</sup> :	125
Date and time of viewpoint photography:	29/10/2022 @ 11:00
Camera:	Nikon Z6 II
Lens:	50mm (Nikon Z 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: LORKNEY001.WFL
  - Hub height: 194.52m
  - Rotor diameter: 330m
  - Height to blade tip: 359.52m
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



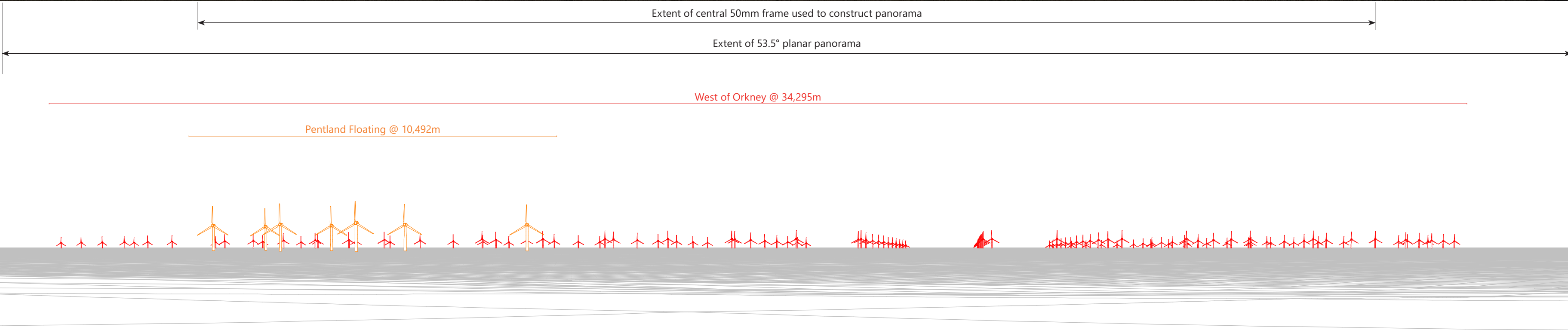
West of Orkney Offshore Wind Farm  
EIA Report

**Figure 18.VP19a**  
**Viewpoint 19:**  
**A836 Downreay**

July 2023







Wind Farm Key:

- West of Orkney Wind Farm
- Existing
- Consented
- Application

OS reference: N300 533, E967 612

Eye level: 50.5m AOD

Direction of view: 322°

Nearest turbine: 34,295m

Horizontal field of view: 90° (cylindrical projection)

Principal distance: 522mm

Paper size: 841mm x 297mm (half A1)

Correct printed image size: 820 x 130mm

Camera: Nikon Z6 II

Lens: 50mm (Nikon Z 50mm f/1.8)

Camera height: 1.5m AGL

Date and time: 29/10/2022 11:00

Client

**West of Orkney** Windfarm

West of Orkney Offshore Wind Farm EIA Report

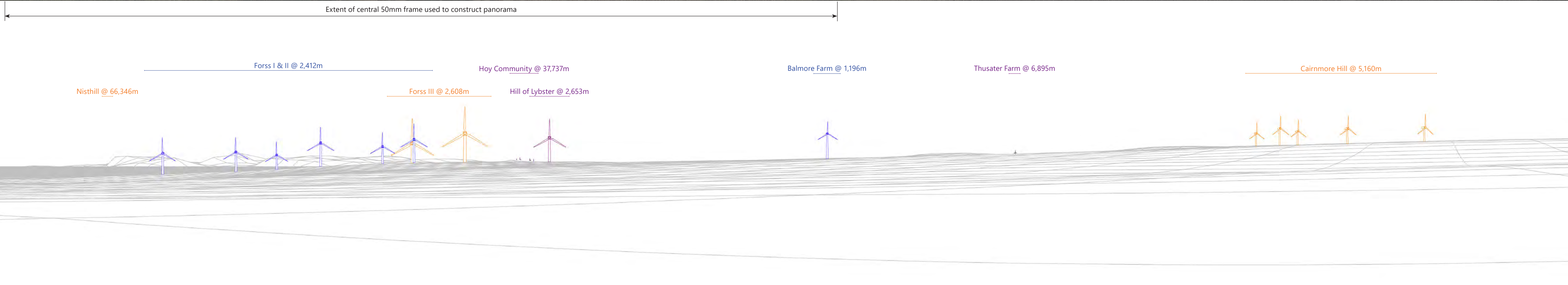
**Figure 18.VP19b**  
**Viewpoint 19:**  
**A836 Dounreay**

View flat at a comfortable arm's length

July 2023

**wsp**



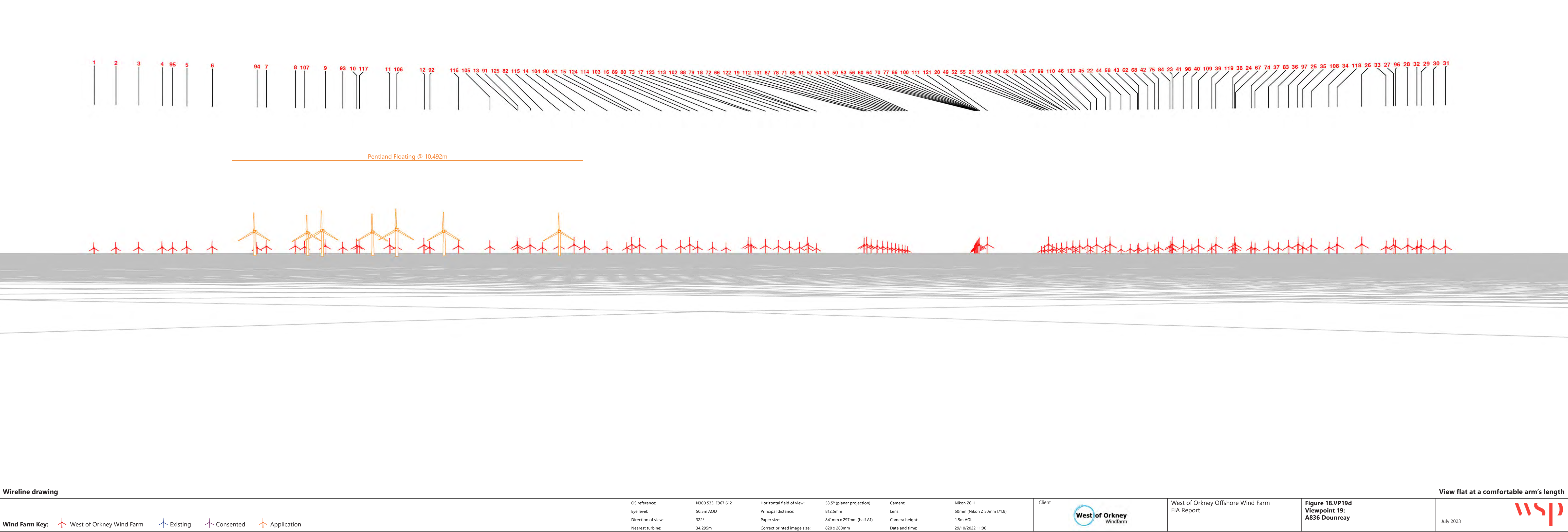


Wind Farm Key:  West of Orkney Wind Farm  Existing  Consented  Application			OS reference: N300 533, E967 612 Eye level: 50.5m AOD Direction of view: 52° Nearest turbine: 34,295m		Horizontal field of view: 90° (cylindrical projection) Principal distance: 522mm Paper size: 841mm x 297mm (half A1) Correct printed image size: 820 x 130mm		Camera: Nikon Z6 II Lens: 50mm (Nikon Z 50mm f/1.8) Camera height: 1.5m AGL Date and time: 29/10/2022 11:00		Client:		West of Orkney Offshore Wind Farm EIA Report		Figure 18.VP19c Viewpoint 19: A836 Dounreay		View flat at a comfortable arm's length		July 2023	
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Photomontage

View flat at a comfortable arm's length

OS reference:	N300 533, E967 612	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	50.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	322°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	34,295m	Correct printed image size:	820 x 260mm	Date and time:	29/10/2022 11:00

Client



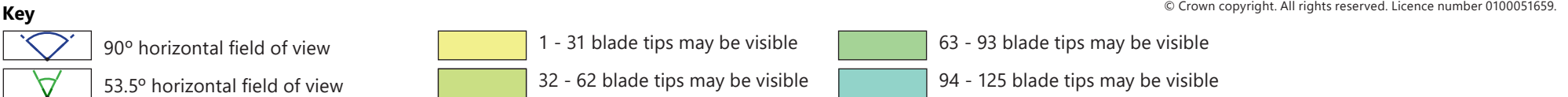
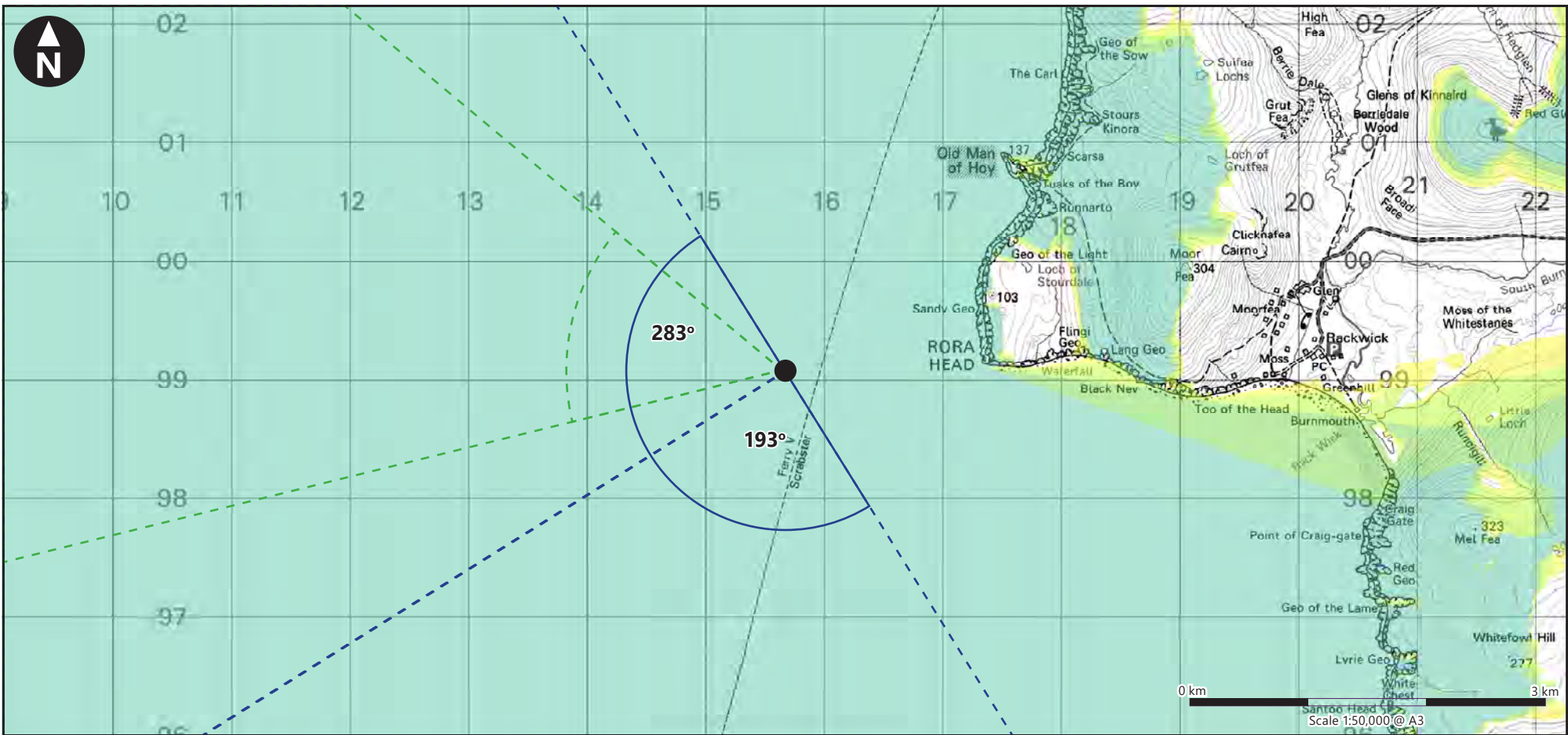
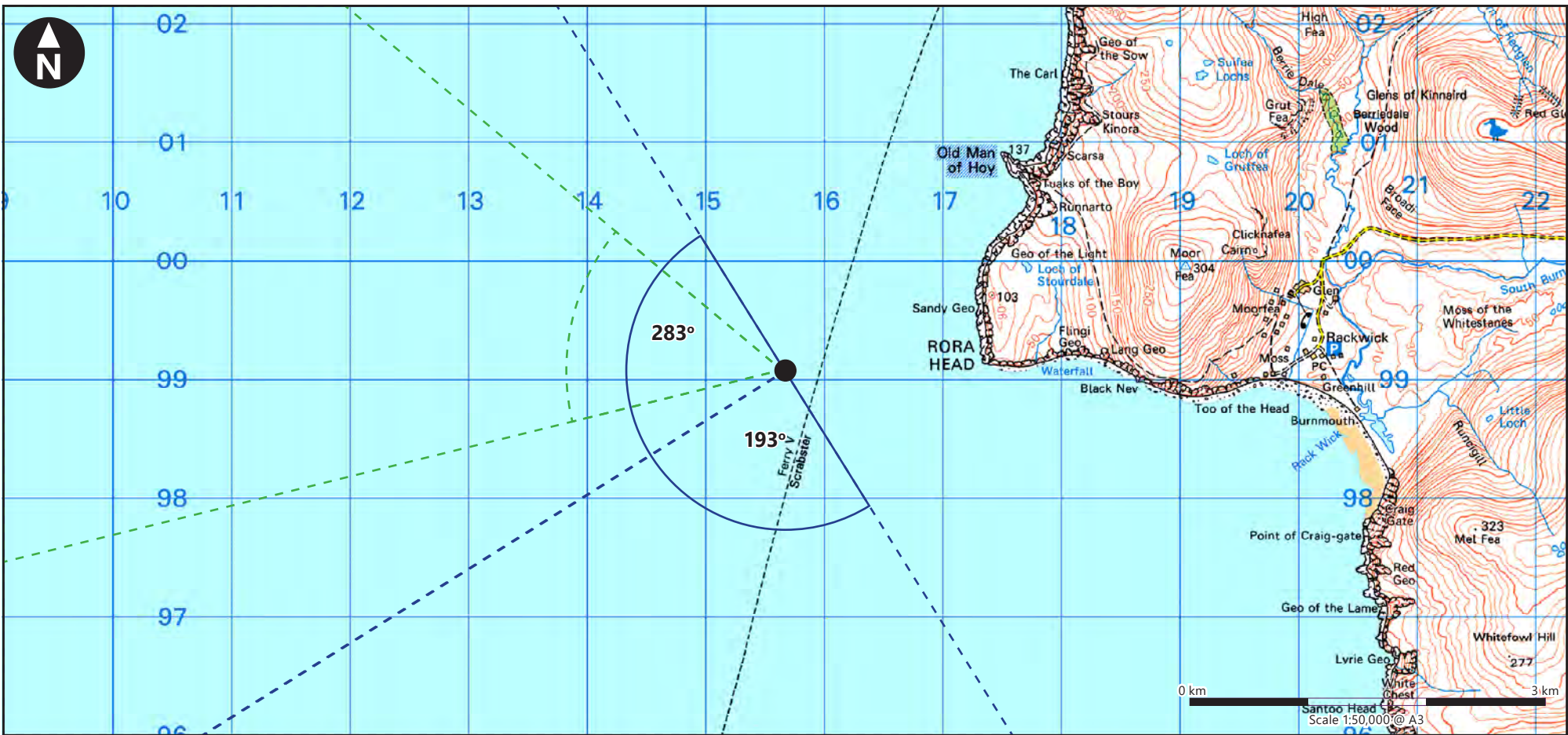
West of Orkney Offshore Wind Farm  
EIA Report

**Figure 18.VP19e**  
**Viewpoint 19:**  
**A836 Dounreay**

July 2023







### Viewpoint Parameters

OS reference:	N315 668, E999 075
Ground Level Elevation:	18m AOD
Camera Height:	1.5m AGL
Direction of view to site centre <sup>3</sup> :	278°
Distance to nearest turbine:	26,023m
Number of blade tips theoretically visible <sup>4</sup> :	125
Number of hubs theoretically visible <sup>4</sup> :	125
Date and time of viewpoint photography:	30/11/2022 @ 09:25
Camera:	Nikon Z6 II
Lens:	50mm (Nikon Z 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;
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- 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: LORKNEY001.WFL
  - Hub height: 194.52m
  - Rotor diameter: 330m
  - Height to blade tip: 359.52m
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).

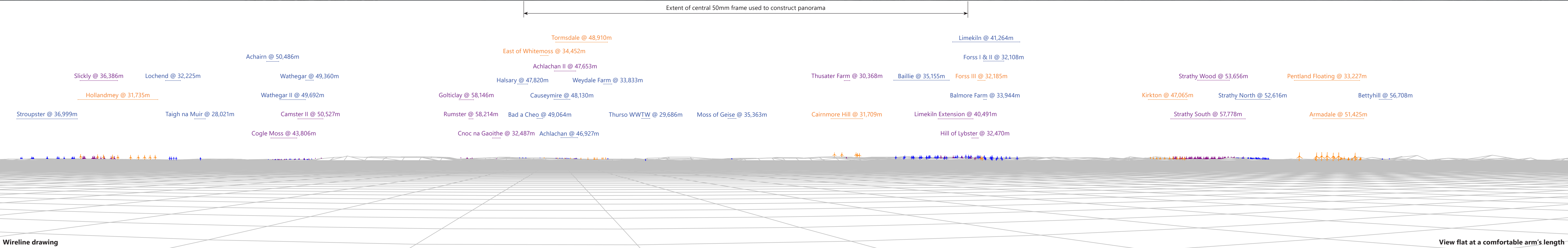
Client

West of Orkney Offshore Wind Farm  
EIA Report

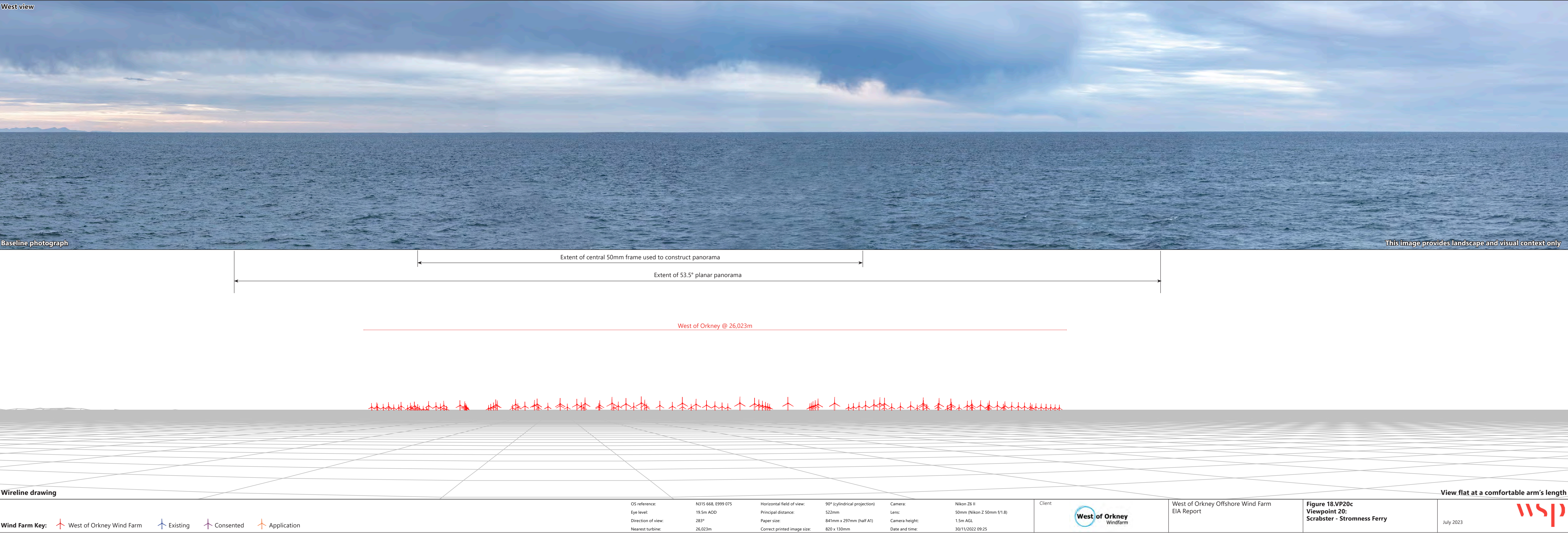
**Figure 18.VP20a**  
**Viewpoint 20:**  
**Scrabster - Stromness Ferry**

July 2023





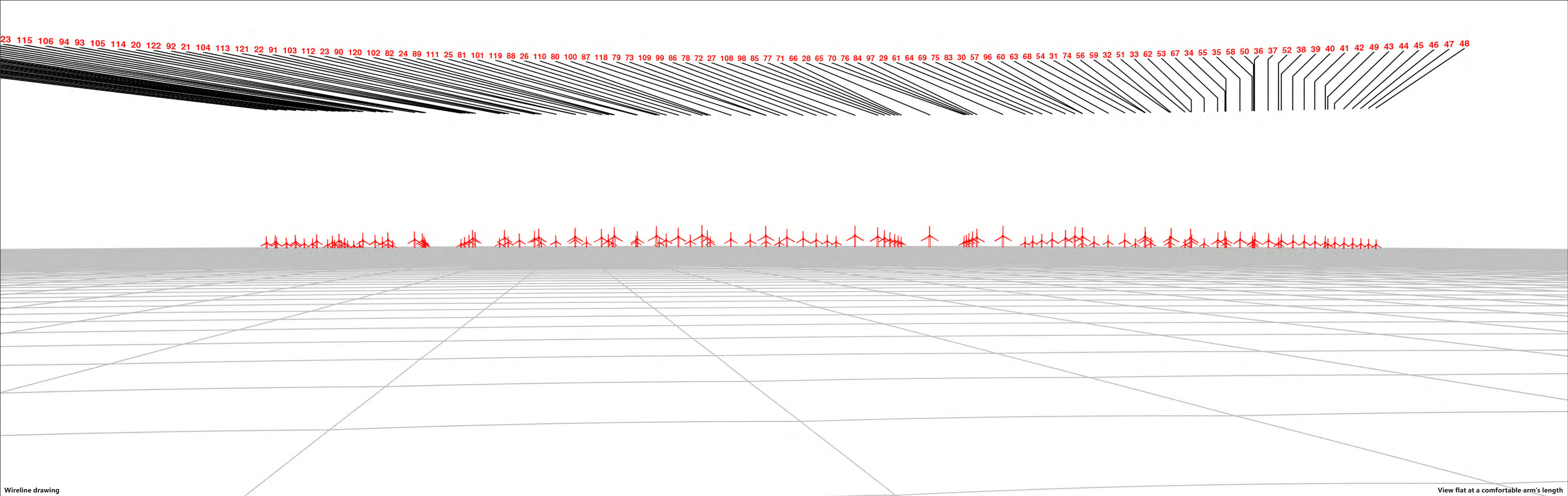




H:\data\Projects\653781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\Design\Stage\Design\VP20 MS Ferry 853781-FG-SA-00039\_R4.indd Originator: wis03



H:\data\Projects\653781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\Design\2023-07 Extra\VP20 WS Ferry 853781-FG-SA-00039\_R4.indd Originator: wisc03



**Wind Farm Key:**   West of Orkney Wind Farm   Existing   Consented   Application

OS reference:	N315 668, E999 075	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	19.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	283°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	26,023m	Correct printed image size:	820 x 260mm	Date and time:	30/11/2022 09:25

Client

West of Orkney Offshore Wind Farm  
EIA Report

**Figure 18.VP20d**  
**Viewpoint 20:**  
**Scrabster - Stromness Ferry**

July 2023





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Photomontage

View flat at a comfortable arm's length

OS reference:	N315 668, E999 075	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	19.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	283°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	26,023m	Correct printed image size:	820 x 260mm	Date and time:	30/11/2022 09:25

Client



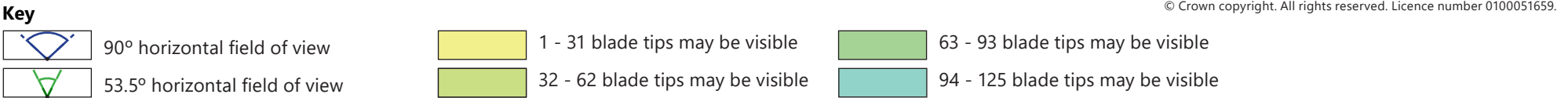
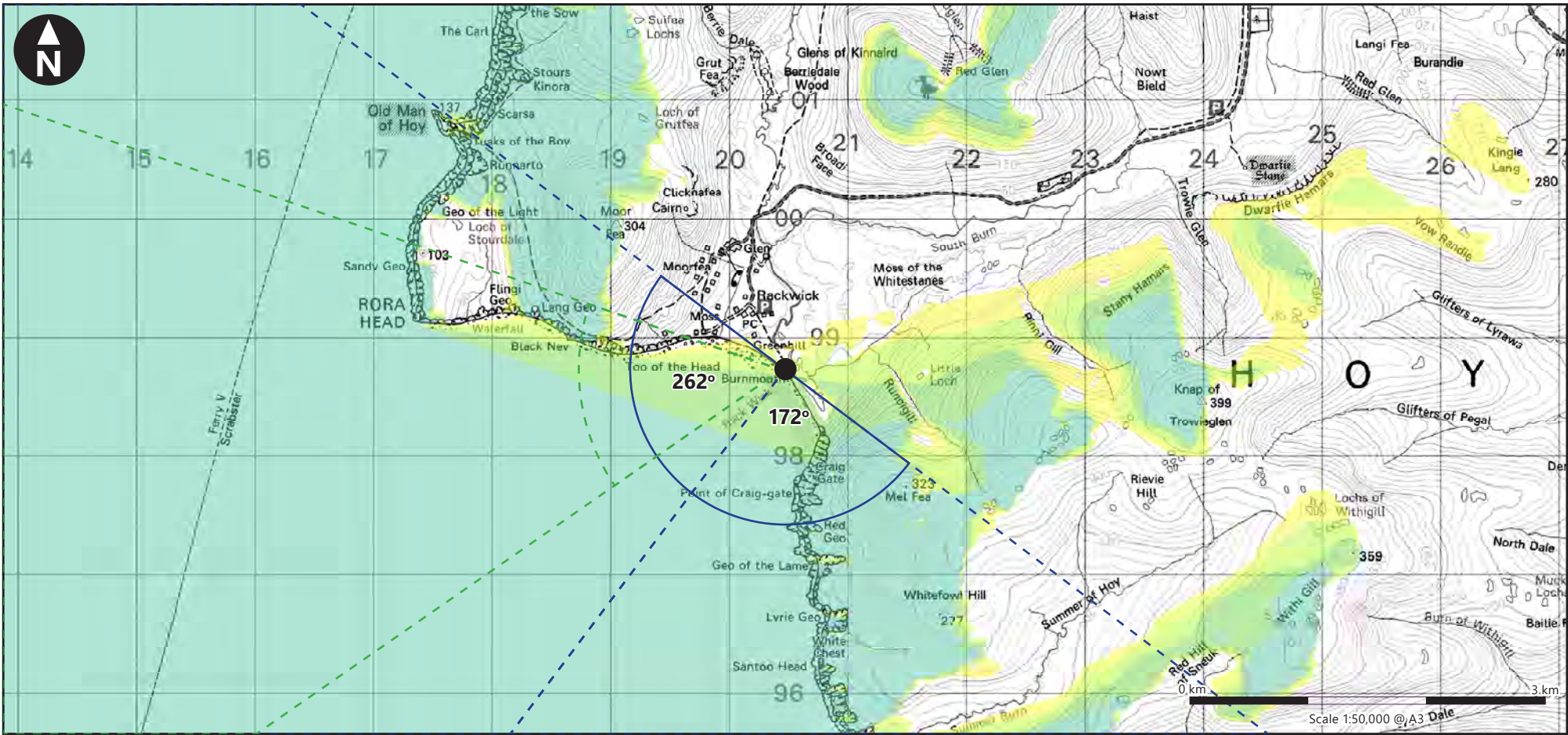
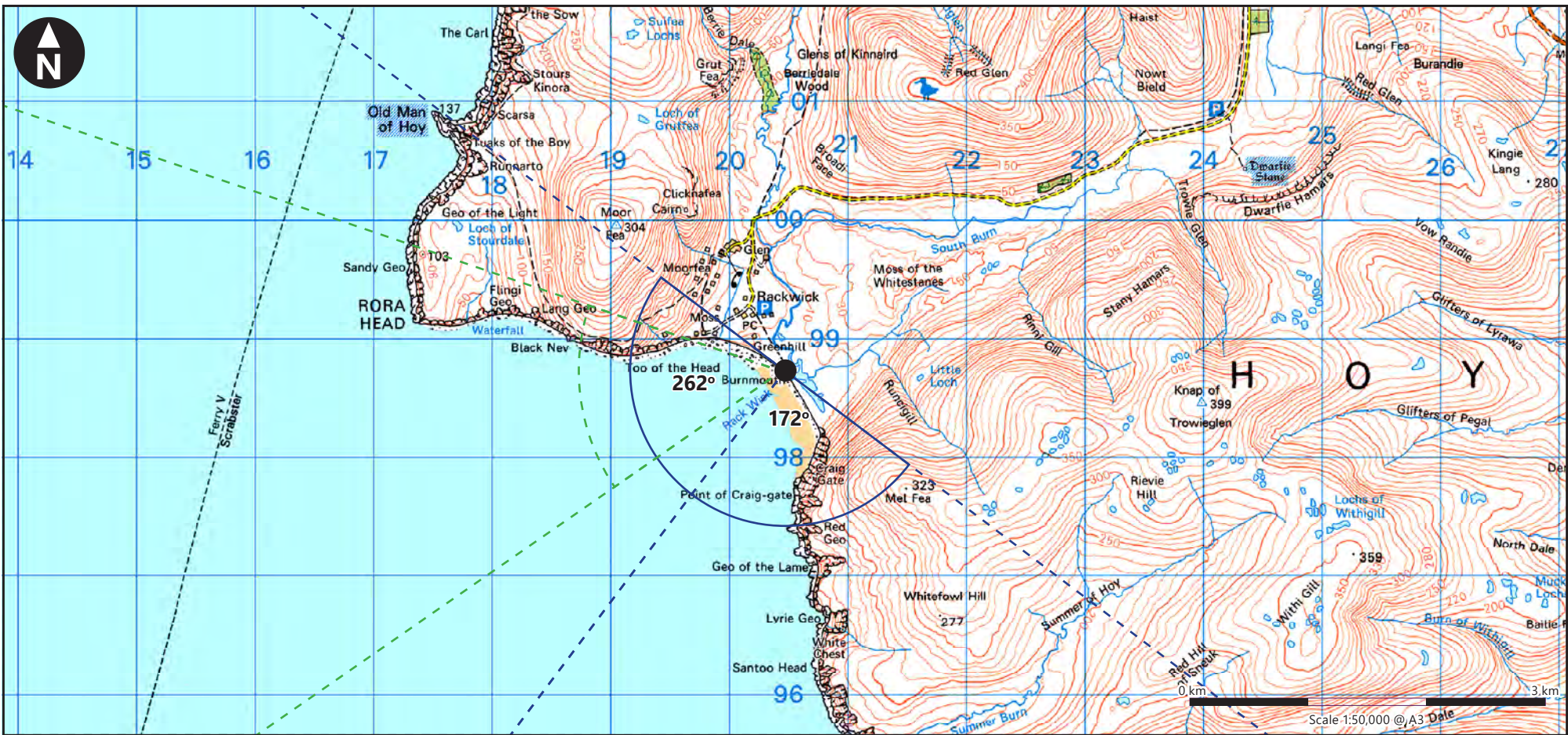
West of Orkney Offshore Wind Farm  
EIA Report

**Figure 18.VP20e**  
**Viewpoint 20:**  
**Scrabster - Stromness Ferry**

July 2023







### Viewpoint Parameters

OS reference:	N320 473, E998 731
Ground Level Elevation:	5m AOD
Camera Height:	1.5m AGL
Direction of view to site centre <sup>3</sup> :	277°
Distance to nearest turbine:	30,840m
Number of blade tips theoretically visible <sup>4</sup> :	58
Number of hubs theoretically visible <sup>4</sup> :	55
Date and time of viewpoint photography:	28/11/2022 @ 10:40
Camera:	Nikon Z6 II
Lens:	50mm (Nikon Z 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: LORKNEY001.WFL
  - Hub height: 194.52m
  - Rotor diameter: 330m
  - Height to blade tip: 359.52m
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

West of Orkney Offshore Wind Farm  
EIA Report

**Figure 18.VP21a**  
**Viewpoint 21:**  
**Rackwick Bay at Bothy Bench**

July 2023





South view

Baseline photograph

This image provides landscape and visual context only

Extent of central 50mm frame used to construct panorama

Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

OS reference: N320 473, E998 731  
Eye level: 6.5m AOD  
Direction of view: 172°  
Nearest turbine: 30,840m  
Horizontal field of view: 90° (cylindrical projection)  
Principal distance: 522mm  
Paper size: 841mm x 297mm (half A1)  
Correct printed image size: 820 x 130mm  
Camera: Nikon Z6 II  
Lens: 50mm (Nikon Z 50mm f/1.8)  
Camera height: 1.5m AGL  
Date and time: 28/11/2022 10:40

Client



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP21b  
Viewpoint 21:  
Rackwick Bay at Bothy Bench

July 2023

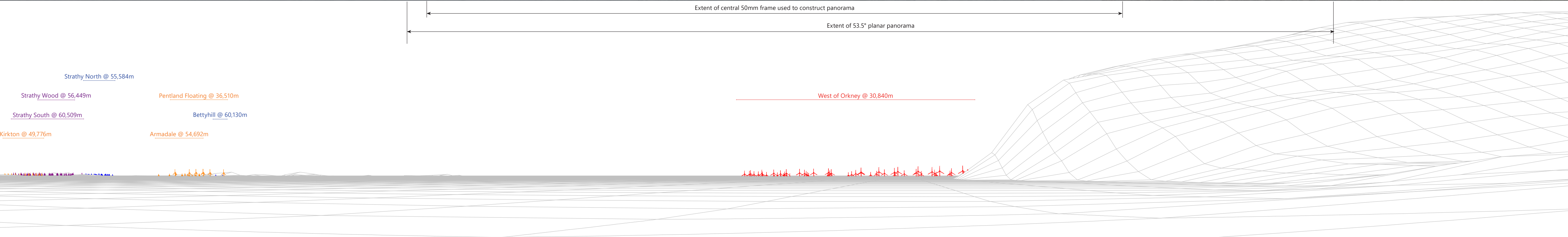






Baseline photograph

This image provides landscape and visual context only



Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

OS reference:	N320 473, E998 731	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	6.5m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	262°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	30,840m	Correct printed image size:	820 x 130mm	Date and time:	28/11/2022 10:40



West of Orkney Offshore Wind Farm  
EIA Report

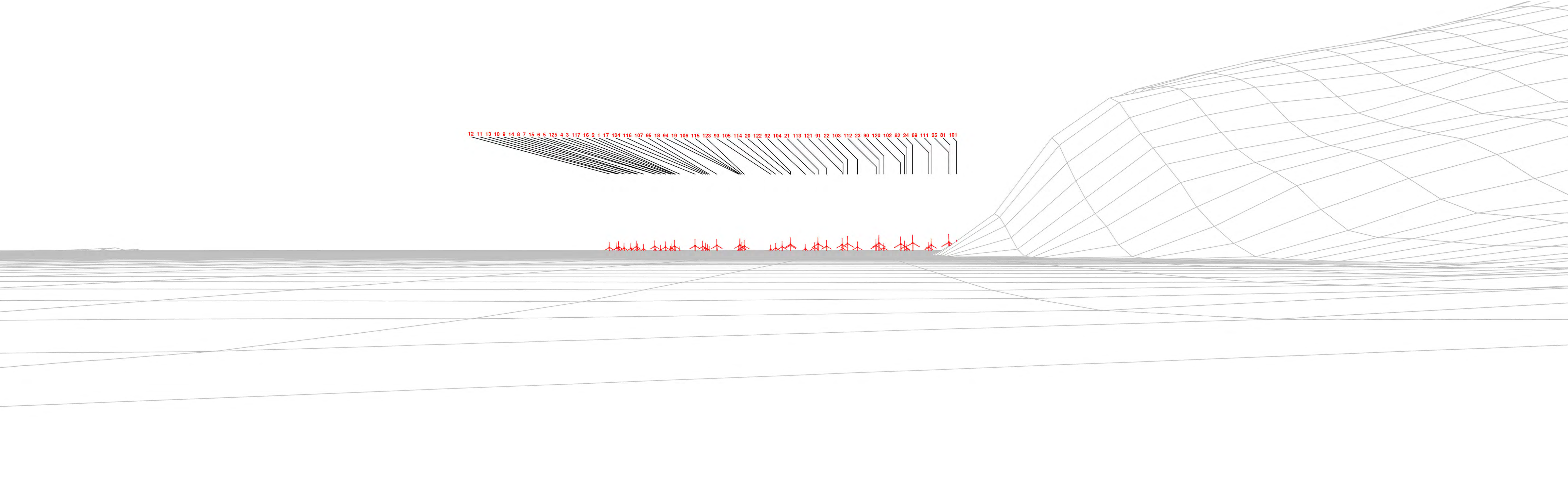
Figure 18.VP21c  
Viewpoint 21:  
Rackwick Bay at Bothy Bench

July 2023





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Wireline drawing

Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

OS reference:	N320 473, E998 731	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	6.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	262°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	30,840m	Correct printed image size:	820 x 260mm	Date and time:	28/11/2022 10:40

Client



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP21d  
Viewpoint 21:  
Rackwick Bay at Bothy Bench

July 2023



View flat at a comfortable arm's length





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Photomontage

View flat at a comfortable arm's length

OS reference:	N320 473, E998 731	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	6.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	262°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	30,840m	Correct printed image size:	820 x 260mm	Date and time:	28/11/2022 10:40

Client		West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP21e</b> <b>Viewpoint 21:</b> <b>Rackwick Bay at Bothy Bench</b>	July 2023	
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South view

Baseline photograph

This image provides landscape and visual context only

Extent of central 50mm frame used to construct panorama

Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

OS reference: N320 473, E998 731  
Eye level: 6.5m AOD  
Direction of view: 172°  
Nearest turbine: 30,840m  
Horizontal field of view: 90° (cylindrical projection)  
Principal distance: 522mm  
Paper size: 841mm x 297mm (half A1)  
Correct printed image size: 820 x 130mm  
Camera: Nikon Z6 II  
Lens: 50mm (Nikon Z 50mm f/1.8)  
Camera height: 1.5m AGL  
Date and time: 28/11/2022 10:40

Client



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP21f  
Viewpoint N21:  
Rackwick Bay at Bothy Bench

March 2023



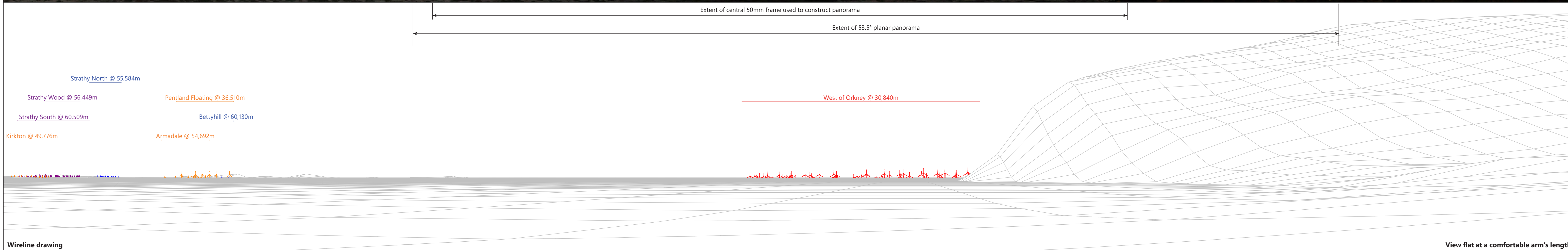
V:\Projects\853781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\VP21f NS Rackwick 853781-FG-SA-00059\_R1.indd Originator: whsc03



### West view

### Baseline photograph



**This image provides landscape and visual context only**



**View flat at a comfortable arm's length**

**Wind Farm Key:**  West of Orkney Wind Farm  Existing  Consented  Application

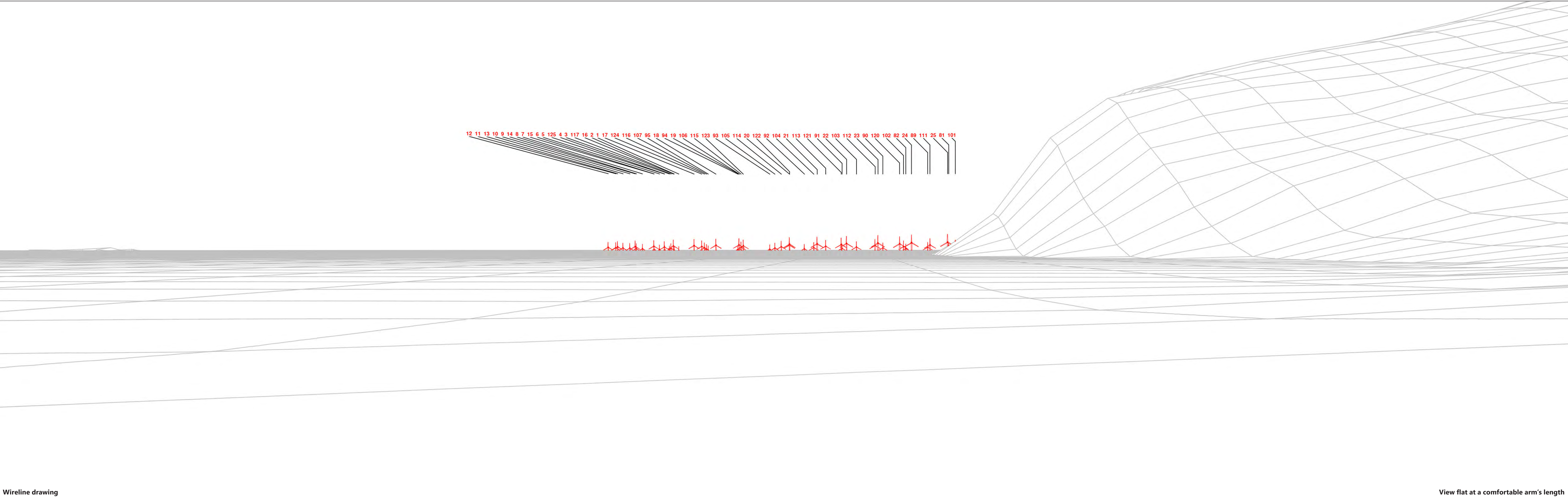
OS reference:	N320 473, E998 731	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	6.5m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	262°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	30,840m	Correct printed image size:	820 x 130mm	Date and time:	28/11/2022 10:40

Client		West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP21g</b> <b>Viewpoint N21:</b> <b>Rackwick Bay at Bothy Bench</b>	 March 2023
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Originator: wils03

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Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key:  West of Orkney Wind Farm  Existing  Consented  Application

OS reference:	N320 473, E998 731	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	6.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	262°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	30,840m	Correct printed image size:	820 x 260mm	Date and time:	28/11/2022 10:40

Client



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP21h  
Viewpoint N21:  
Rackwick Bay at Bothy Bench

March 2023







V:\Projects\853781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\In Design\VP21 NS Rackwick 853781-FG-SA-00059\_R1.indd Originator: wils03



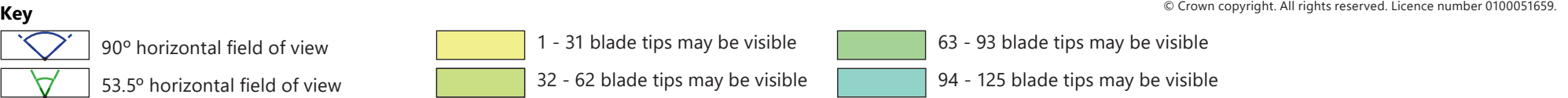
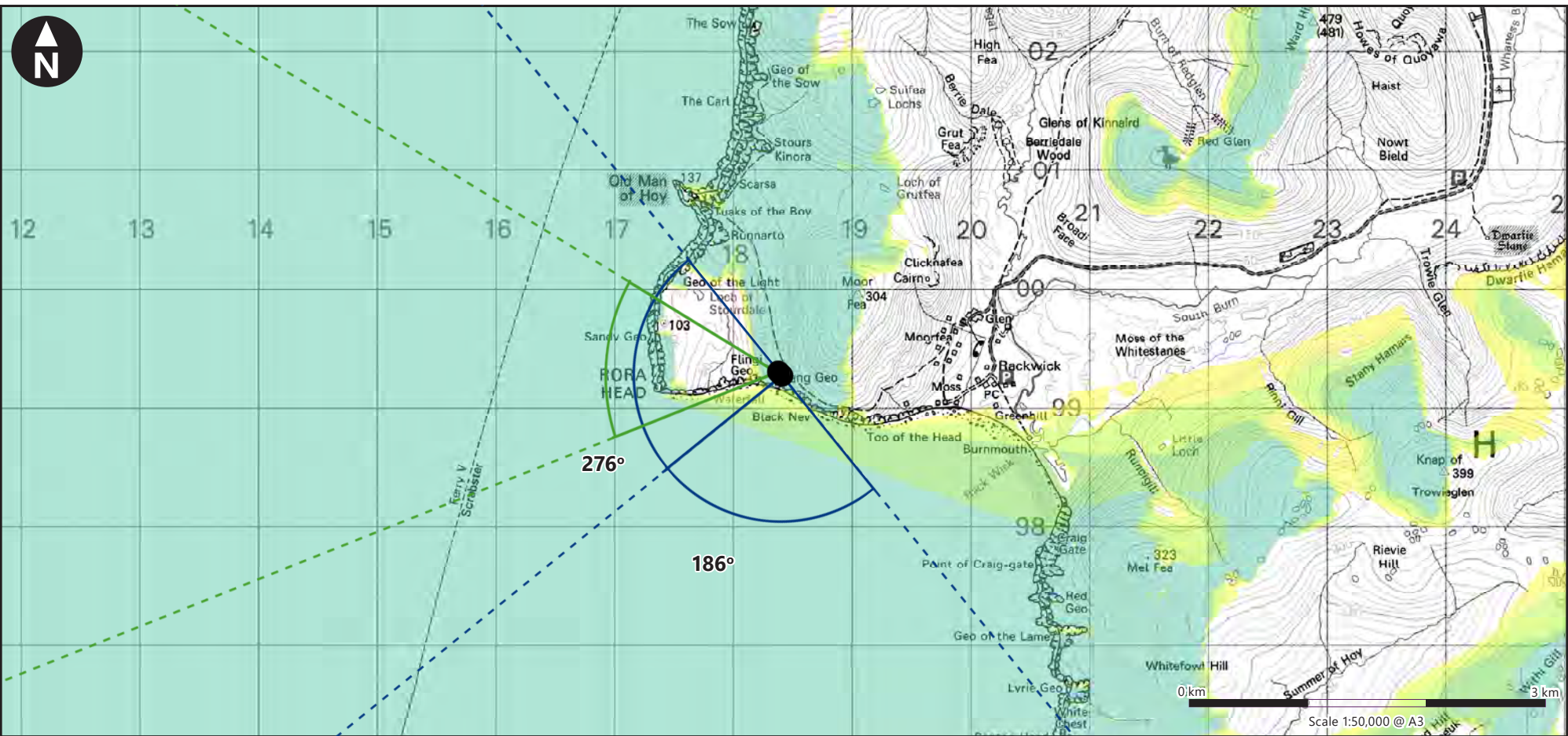
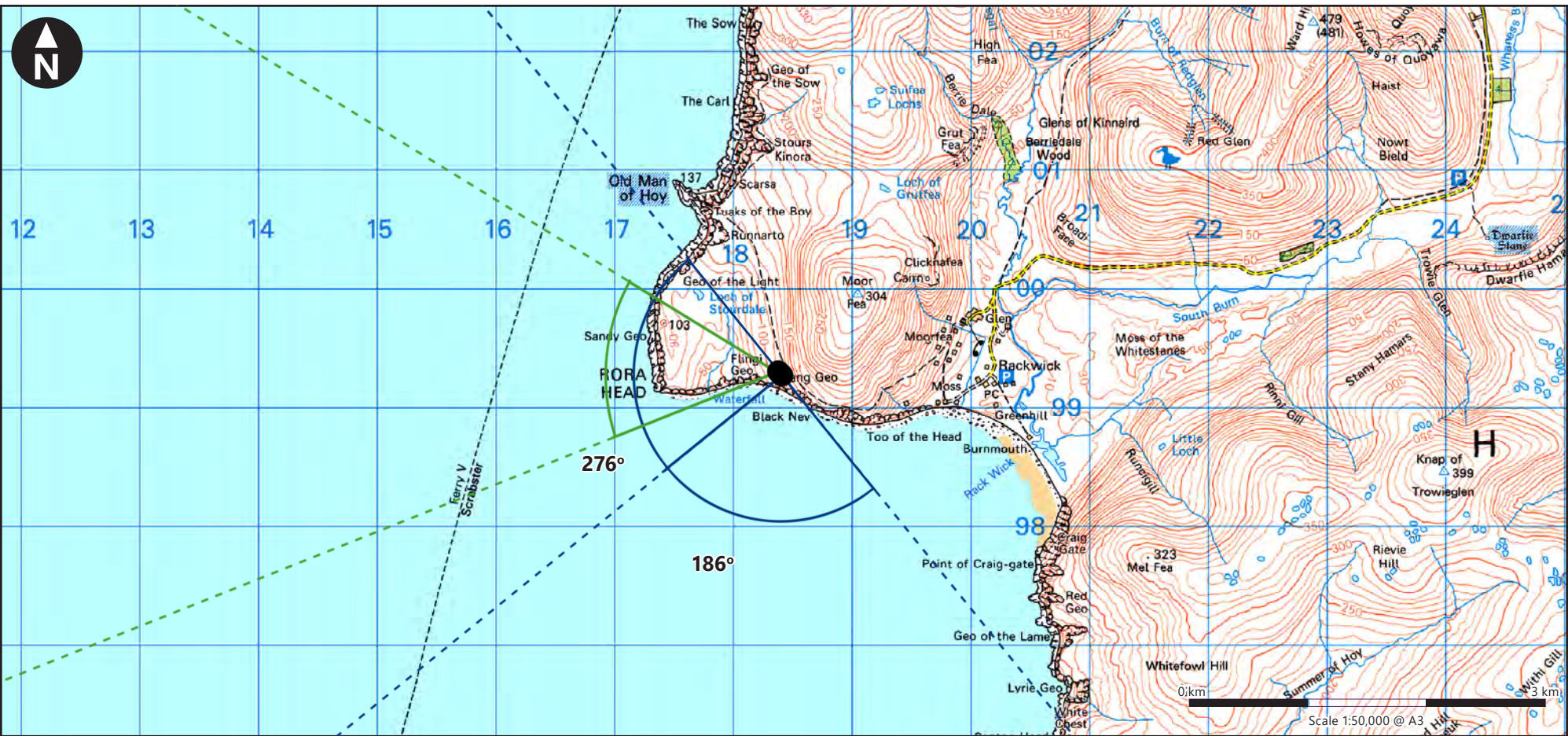
Photomontage (2000cd / 200cd Intensity Lighting)

View flat at a comfortable arm's length

OS reference:	N320 473, E998 731	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	6.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	262°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	30.840m	Correct printed image size:	820 x 260mm	Date and time:	28/11/2022 10:40

Client		West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP21i</b> <b>Viewpoint N21:</b> <b>Rackwick Bay at Bothy Bench</b>	March 2023	
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### Viewpoint Parameters

OS reference:	E318 452, N999 315
Ground Level Elevation:	137m AOD
Camera Height:	1.5m AGL
Direction of view to site centre <sup>3</sup> :	276°
Distance to nearest turbine:	28,961m
Number of blade tips theoretically visible <sup>4</sup> :	125
Number of hubs theoretically visible <sup>4</sup> :	125
Date and time of viewpoint photography:	28/11/2022 @ 10:01
Camera:	Nikon Z6 II
Lens:	50mm (Nikon Z 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: LORKNEY001.WFL
  - Hub height: 194.52m
  - Rotor diameter: 330m
  - Height to blade tip: 359.52m
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	
West of Orkney Offshore Wind Farm EIA Report	
<b>Figure 18.VP22a</b> <b>Viewpoint 22: Path to Old Man of Hoy</b>	
July 2023	





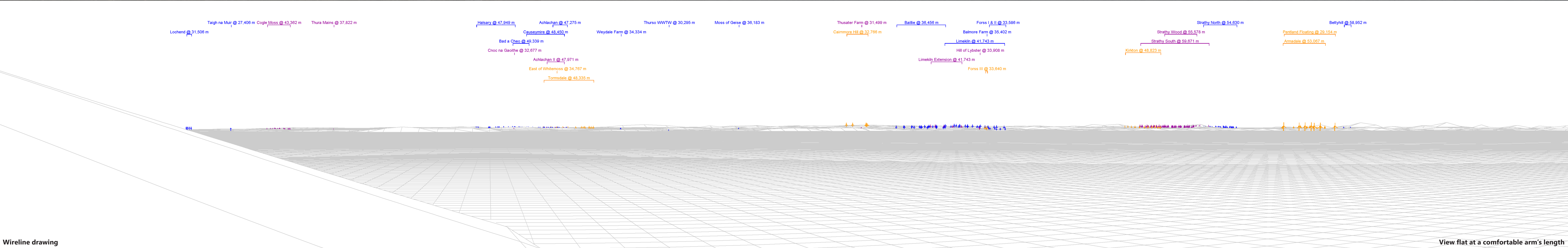
H:\data\Projects\053781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\2023-07 Extra\VP22 NS Old Man of Hoy\633781-FG-Sk-00041\_R7.indd Originator: wils03

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: West of Orkney Wind Farm Existing Consented Application

OS reference:	E318 452, N999 315	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	138.5m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	186°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	28.961m	Correct printed image size:	820 x 130mm	Date and time:	28/11/2022 10:01

Client		West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP22b</b> <b>Viewpoint 22: Path to Old Man of Hoy</b>	July 2023	
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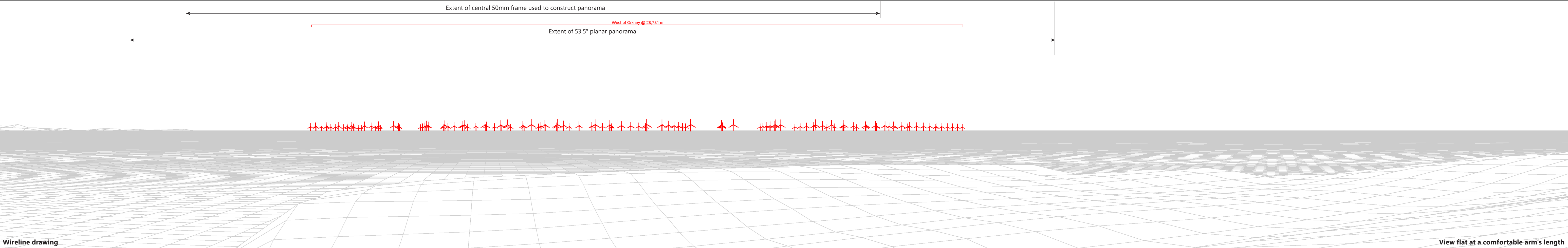


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West view

Baseline photograph

This image provides landscape and visual context only



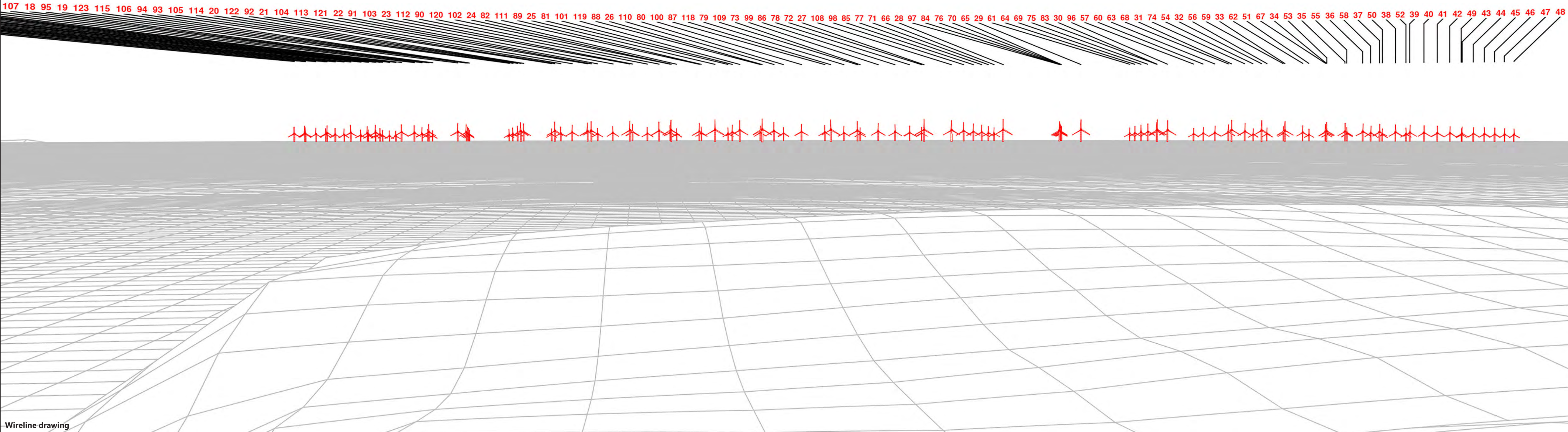
Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

OS reference:	E318 452, N999 315	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	138.5m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	276°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	28.961m	Correct printed image size:	820 x 130mm	Date and time:	28/11/2022 10:01

Client		West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP22c</b> <b>Viewpoint 22: Path to Old Man of Hoy</b>	July 2023	
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**Wind Farm Key:**   West of Orkney Wind Farm   Existing   Consented   Application

OS reference:	E318 452 N999 315	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	138.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	276°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	28.961m	Correct printed image size:	820 x 260mm	Date and time:	28/11/2022 10:01

Client



West of Orkney Offshore Wind Farm  
EIA Report

**Figure 18.VP22d**  
**Viewpoint 22: Path to Old Man of Hoy**

July 2023

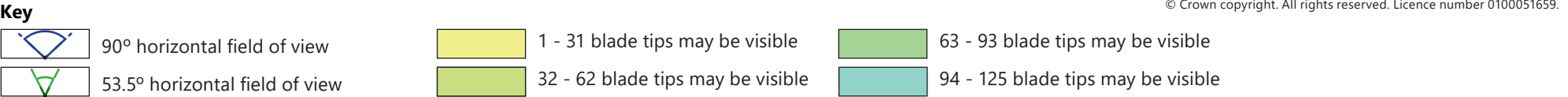
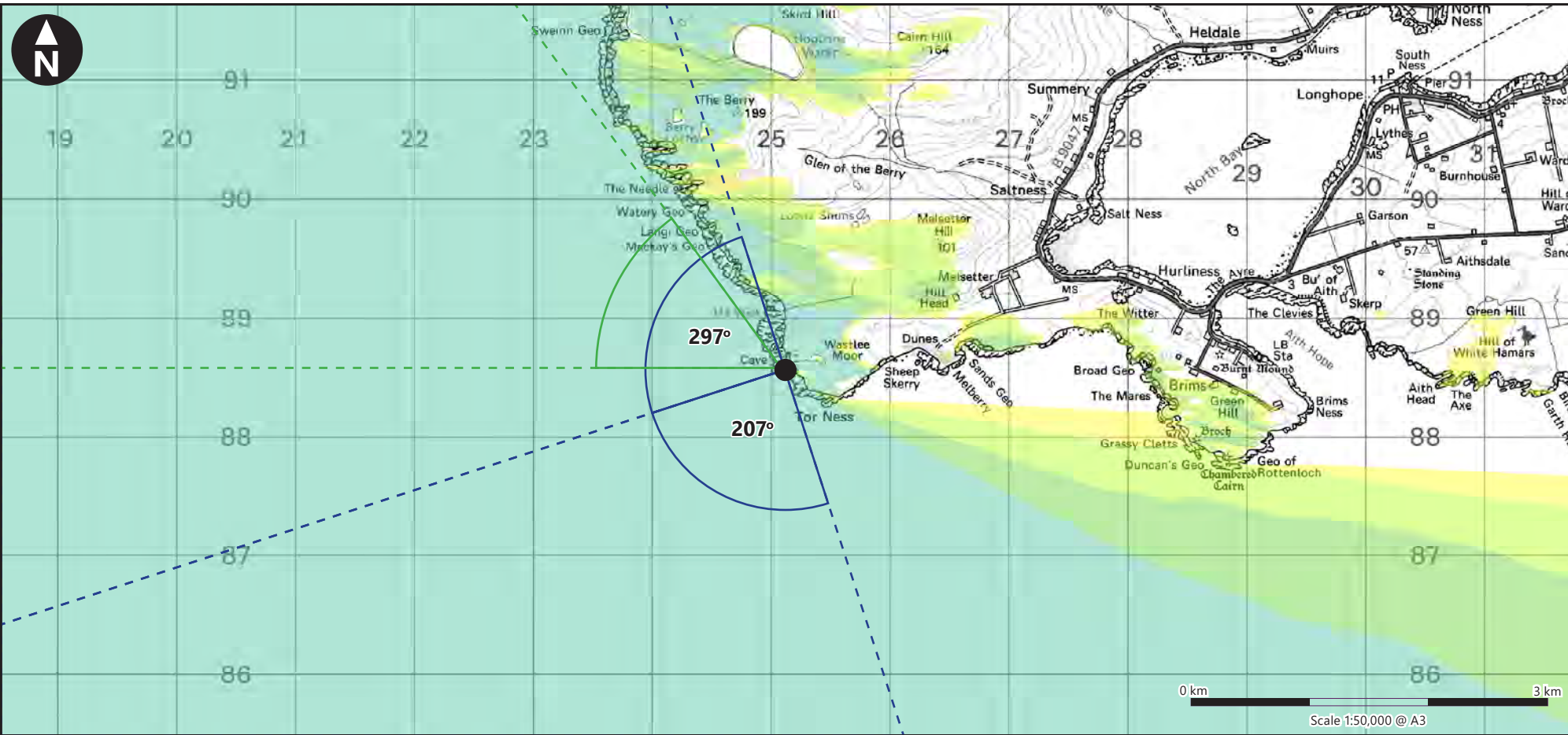
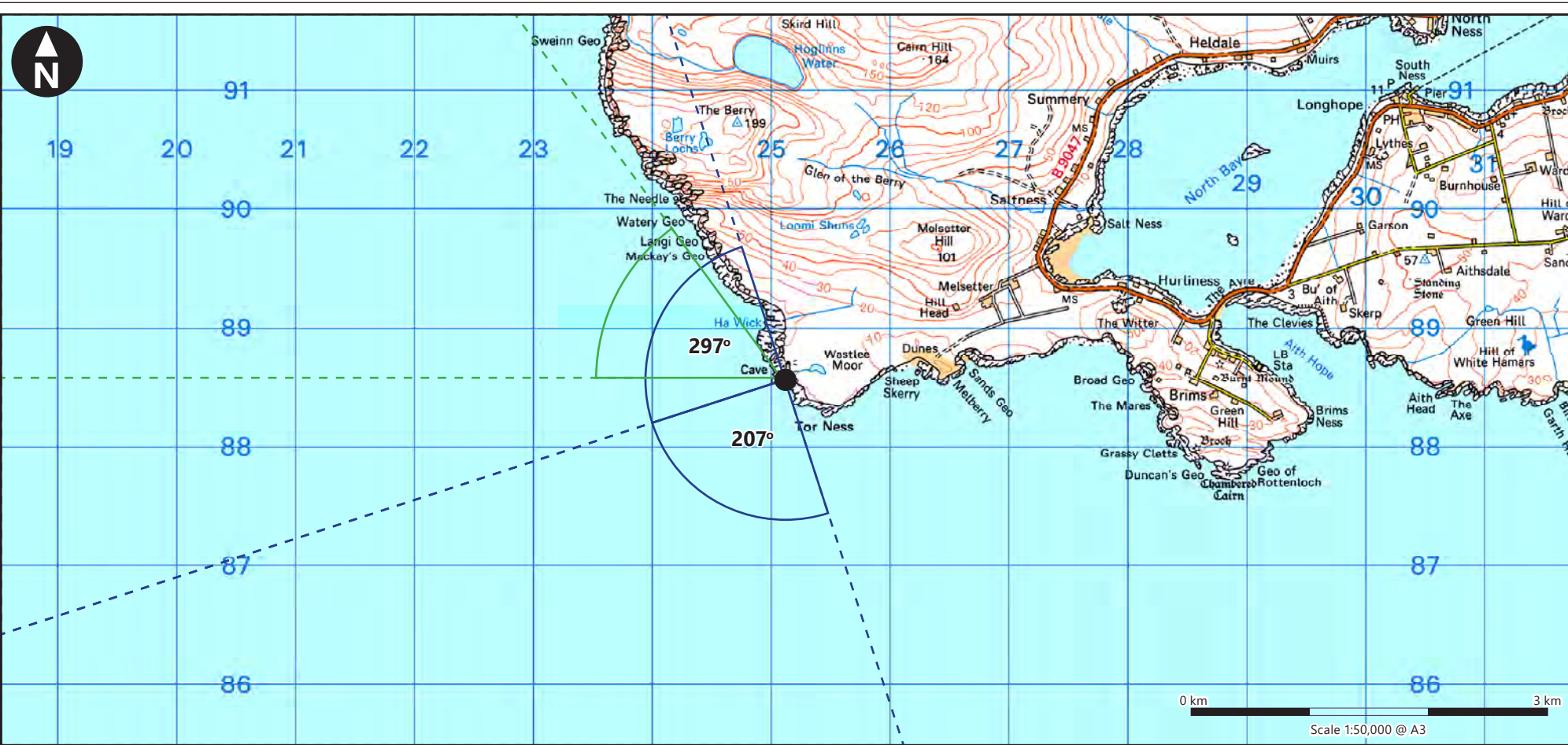








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### Viewpoint Parameters

OS reference:	N325 121, E988 564
Ground Level Elevation:	8m AOD
Camera Height:	1.5m AGL
Direction of view to site centre <sup>3</sup> :	297°
Distance to nearest turbine:	37,596m
Number of blade tips theoretically visible <sup>4</sup> :	125
Number of hubs theoretically visible <sup>4</sup> :	125
Date and time of viewpoint photography:	28/11/2022 @ 12:25
Camera:	Nikon Z6 II
Lens:	50mm (Nikon Z 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: LORKNEY001.WFL
  - Hub height: 194.52m
  - Rotor diameter: 330m
  - Height to blade tip: 359.52m
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



West of Orkney Offshore Wind Farm  
EIA Report

**Figure 18.VP23a**  
**Viewpoint 23: Tor Ness, Hoy**

July 2023

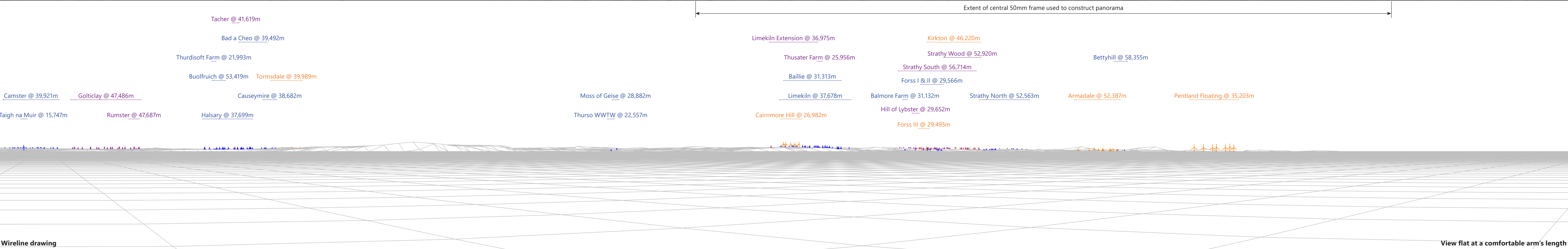




Southwest view

Baseline photograph

This image provides landscape and visual context only



Wireline drawing

Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

OS reference:	N325 121, E988 564	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	9.5m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	207°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	37,596m	Correct printed image size:	820 x 130mm	Date and time:	28/11/2022 11:25

Client



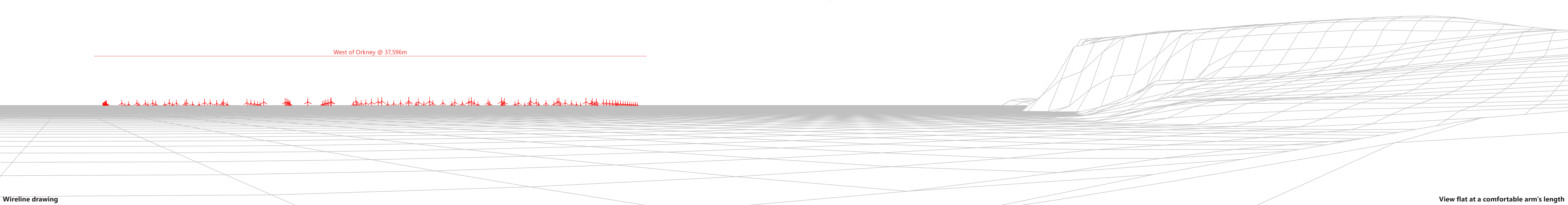
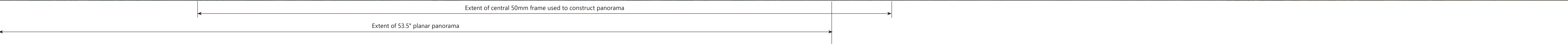
West of Orkney Offshore Wind Farm  
EIA Report







Figure 18.VP23b  
Viewpoint 23: Tor Ness, Hoy

July 2023







<div>Wind Farm Key:  West of Orkney Wind Farm  Existing  Consented  Application</div>				<div>OS reference: N325 121, E988 564</div> <div>Eye level: 9.5m AOD</div> <div>Direction of view: 297°</div> <div>Nearest turbine: 37.596m</div>				<div>Horizontal field of view: 90° (cylindrical projection)</div> <div>Principal distance: 522mm</div> <div>Paper size: 841mm x 297mm (half A1)</div> <div>Correct printed image size: 820 x 130mm</div>				<div>Camera: Nikon Z6 II</div> <div>Lens: 50mm (Nikon Z 50mm f/1.8)</div> <div>Camera height: 1.5m AGL</div> <div>Date and time: 28/11/2022 11:25</div>				<div>Client</div> <div></div>		<div>West of Orkney Offshore Wind Farm EIA Report</div>		<div>Figure 18.VP23c</div> <div>Viewpoint 23: Tor Ness, Hoy</div>		<div>July 2023</div> <div></div>	
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116 106 16 93 124 115 17 105 92 18 123 114 104 19 91 122 113 103 90 82 20 21 121 112 102 89 81 22 80 88 101 111 120 23 73 24 79 87 100 110 119 25 72 78 86 26 99 66 109 71 118 77 85 65 98 70 108 27 76 61 84 64 28 57 69 97 60 75 54 63 29 83 56 51 68 59 96 30 53 74 62 55 50 31 67 32 58 33 52 34 35 36 37 38 49 39 40 41 42 43 44 45 46 47 48



Wireline drawing

Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

OS reference:	N325 121, E988 564	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	9.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	297°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	37.596m	Correct printed image size:	820 x 260mm	Date and time:	28/11/2022 11:25

Client



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP23d  
Viewpoint 23: Tor Ness, Hoy

July 2023



View flat at a comfortable arm's length



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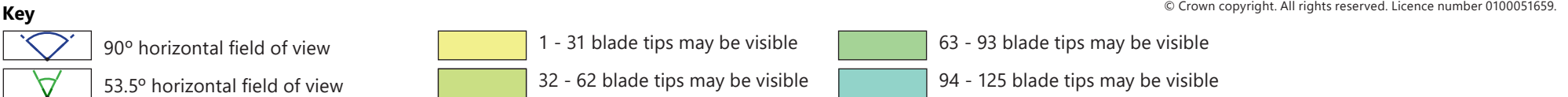
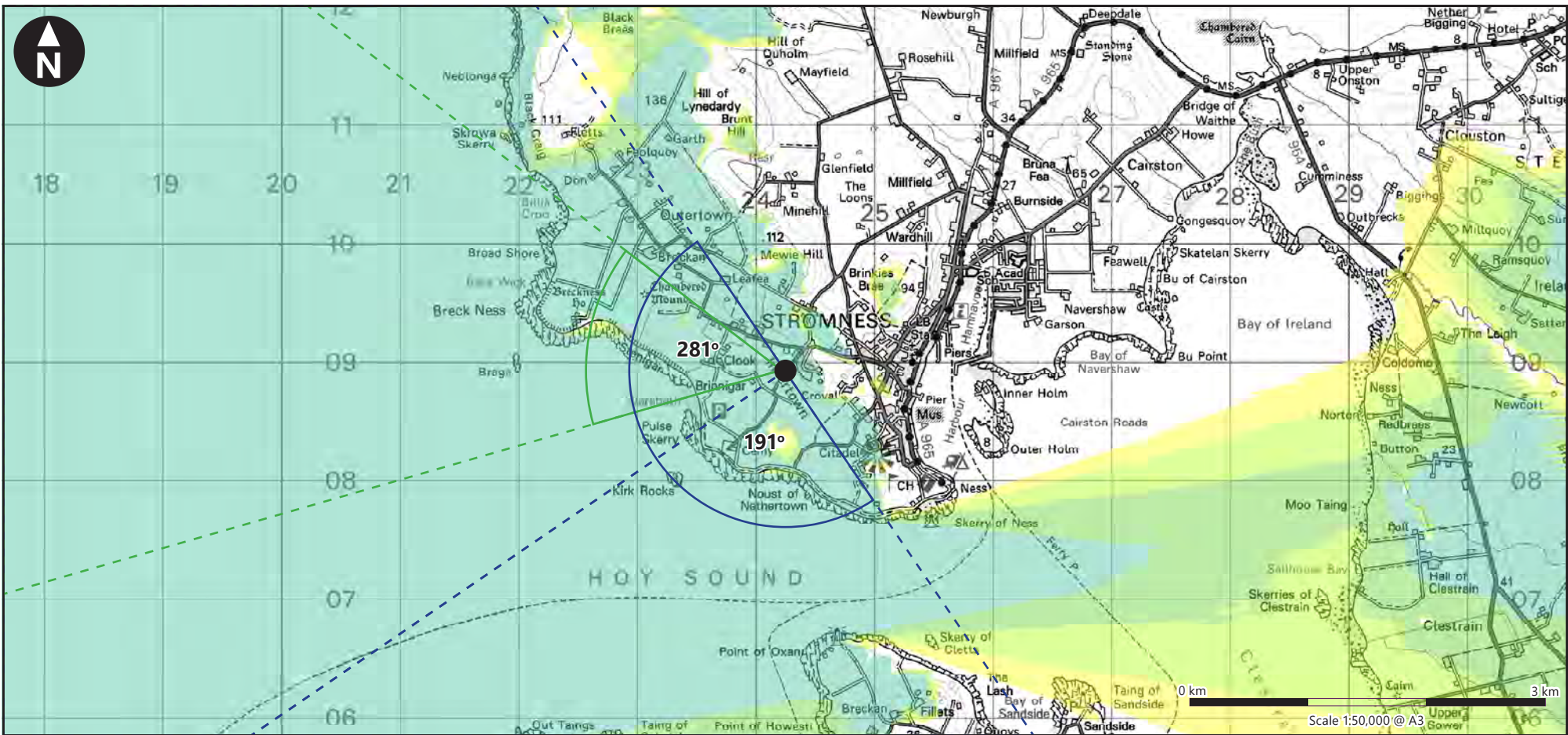


Photomontage

View flat at a comfortable arm's length

OS reference:	N325 121, E988 564	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II	<div>Client</div> <div></div>	West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP23e</b> <b>Viewpoint 23: Tor Ness, Hoy</b>	<div></div>
Eye level:	9.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)				
Direction of view:	297°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL				
Nearest turbine:	37.596m	Correct printed image size:	820 x 260mm	Date and time:	28/11/2022 11:25				





### Viewpoint Parameters

OS reference:	N324 250, E1008 926
Ground Level Elevation:	42m AOD
Camera Height:	1.5m AGL
Direction of view to site centre <sup>3</sup> :	281°
Distance to nearest turbine:	34,872m
Number of blade tips theoretically visible <sup>4</sup> :	125
Number of hubs theoretically visible <sup>4</sup> :	125
Date and time of viewpoint photography:	27/11/2022 @ 09:40
Camera:	Nikon Z6 II
Lens:	50mm (Nikon Z 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: LORKNEY001.WFL
  - Hub height: 194.52m
  - Rotor diameter: 330m
  - Height to blade tip: 359.52m
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



West of Orkney Offshore Wind Farm  
EIA Report

**Figure 18.VP24a**  
**Viewpoint 24: Warebeth -**  
**on Warebeth Road to Beach**

July 2023





South view

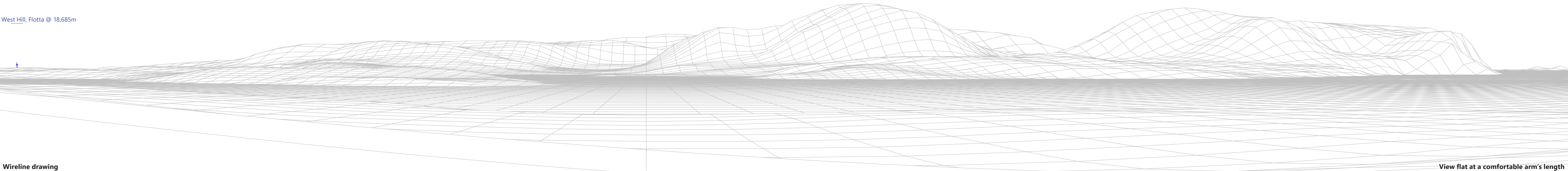


Baseline photograph

This image provides landscape and visual context only

Extent of central 50mm frame used to construct panorama

West Hill, Flotta @ 18,685m



Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

OS reference:	N324 250, E1008 926	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	43.5m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	191°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	34.872m	Correct printed image size:	820 x 130mm	Date and time:	27/11/2022 09:40



Client  
West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP24b  
Viewpoint 24: Warebeth -  
on Warebeth Road to Beach

July 2023

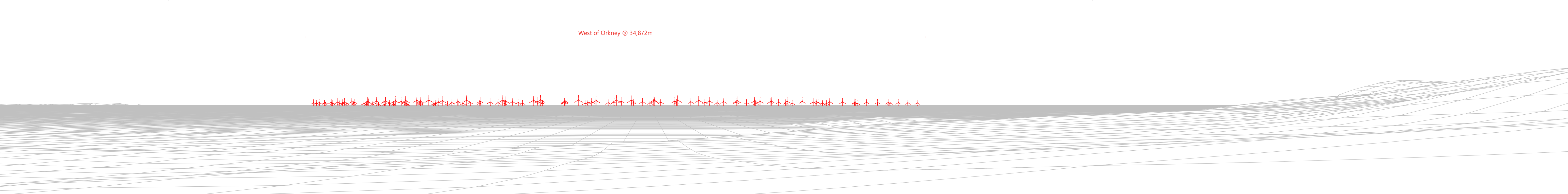
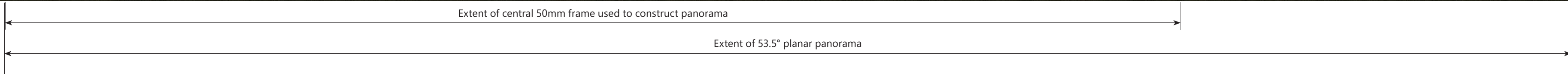






Baseline photograph

This image provides landscape and visual context only



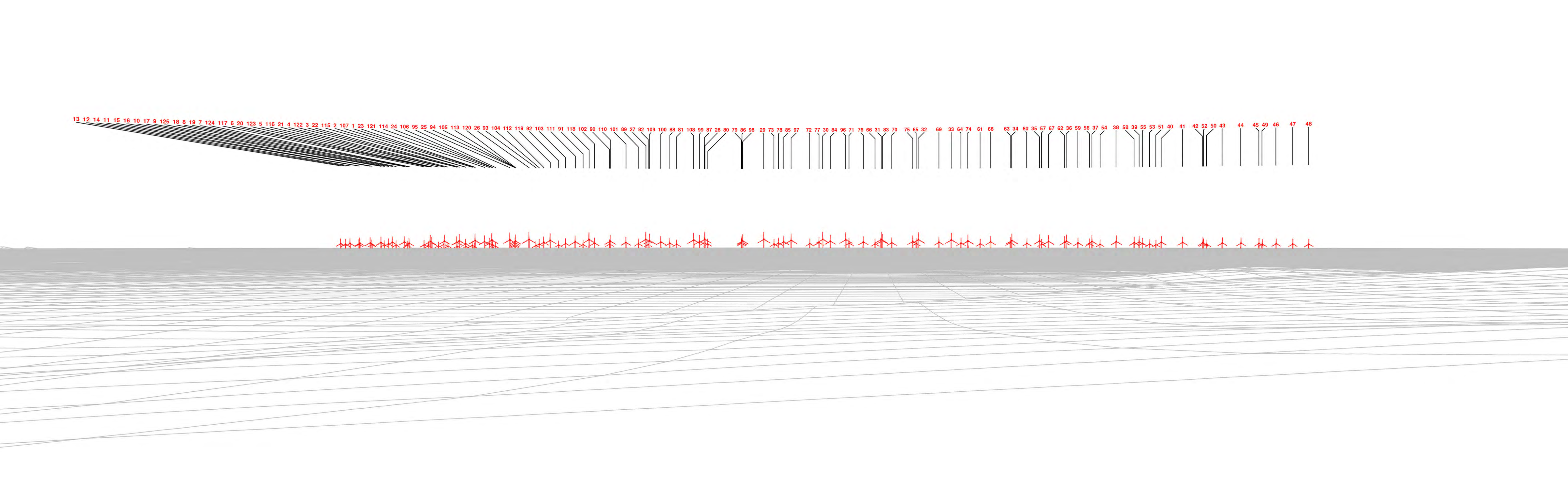
Wireline drawing

View flat at a comfortable arm's length

<b>Wind Farm Key:</b> West of Orkney Wind Farm  Existing  Consented  Application				OS reference: N324 250, E1008 926 Eye level: 43.5m AOD Direction of view: 281° Nearest turbine: 34,872m		Horizontal field of view: 90° (cylindrical projection) Principal distance: 522mm Paper size: 841mm x 297mm (half A1) Correct printed image size: 820 x 130mm		Camera: Nikon Z6 II Lens: 50mm (Nikon Z 50mm f/1.8) Camera height: 1.5m AGL Date and time: 27/11/2022 09:40		Client	West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP24c</b> <b>Viewpoint 24: Warebeth -</b> <b>on Warebeth Road to Beach</b>	July 2023
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Photomontage

View flat at a comfortable arm's length

OS reference:	N324 250, E1008 926	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	43.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	281°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	34.872m	Correct printed image size:	820 x 260mm	Date and time:	27/11/2022 09:40

Client



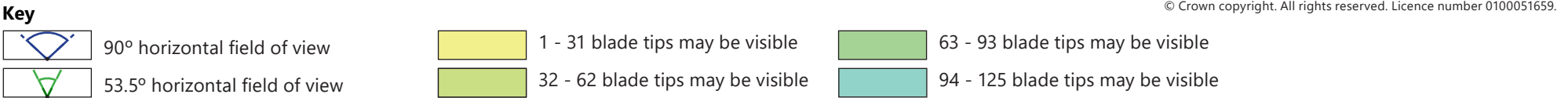
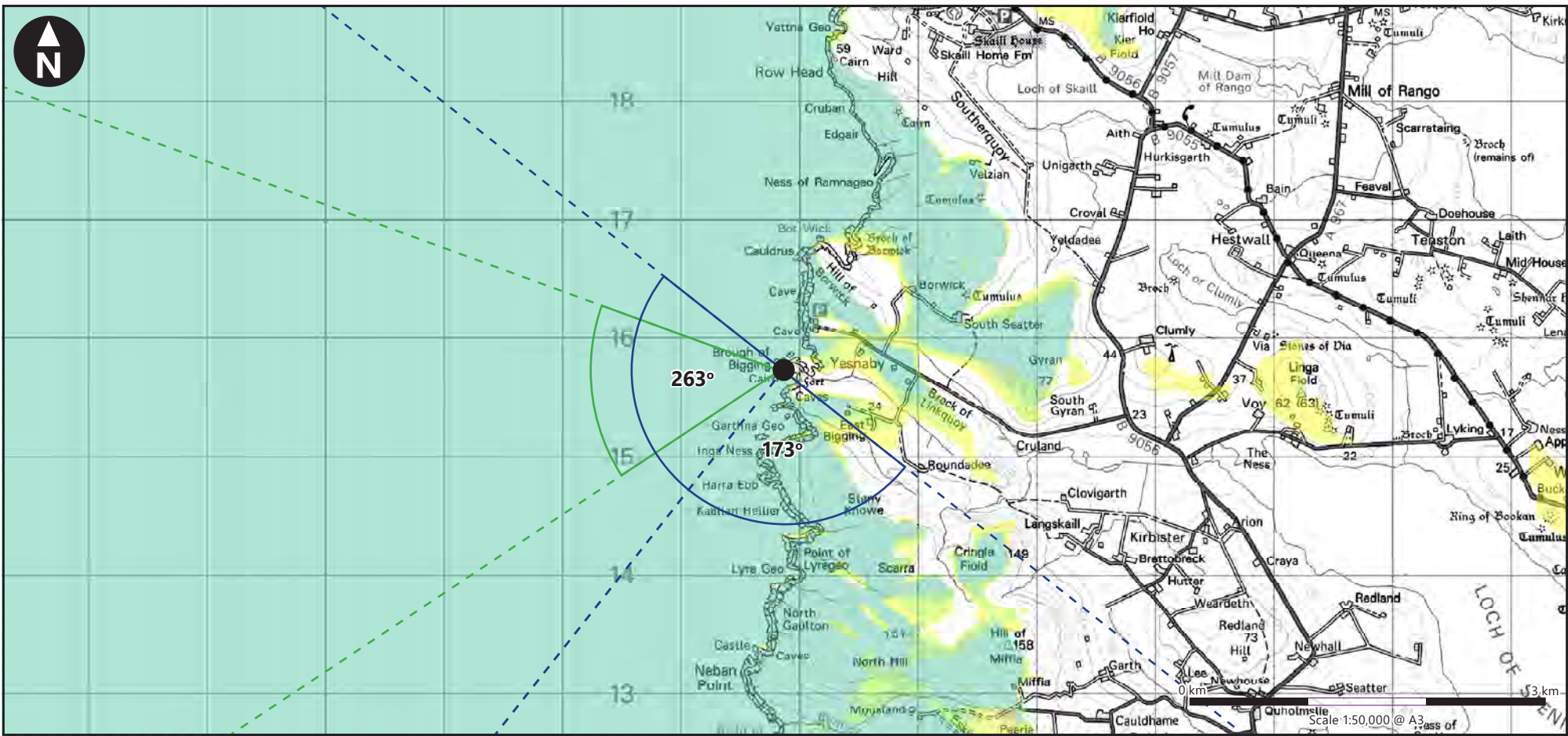
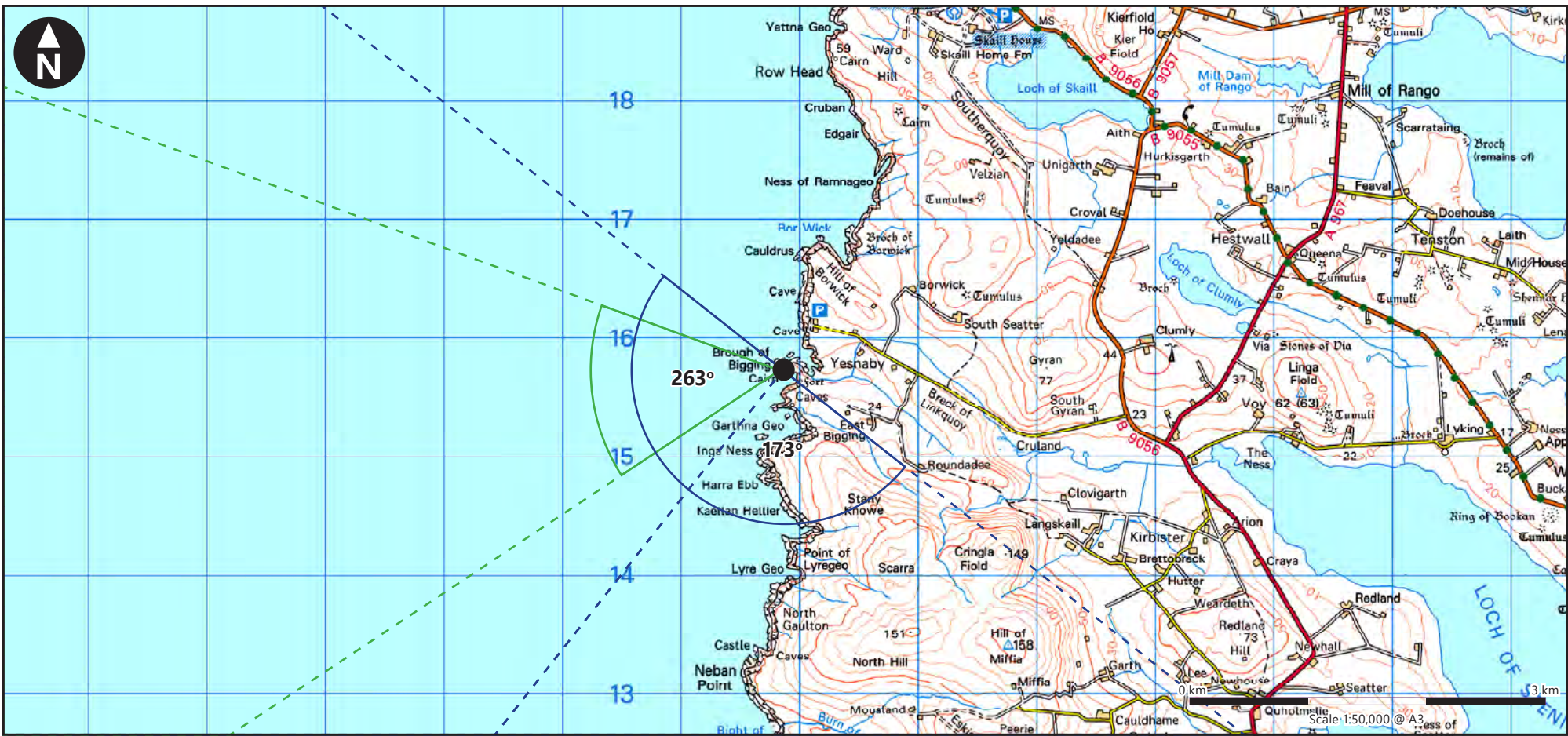
West of Orkney Offshore Wind Farm  
EIA Report

**Figure 18.VP24e**  
**Viewpoint 24: Warebeth -**  
**on Warebeth Road to Beach**

July 2023







### Viewpoint Parameters

OS reference:	N321 858, E1015 731
Ground Level Elevation:	7m AOD
Camera Height:	1.5m AGL
Direction of view to site centre <sup>3</sup> :	256°
Distance to nearest turbine:	33,203m
Number of blade tips theoretically visible <sup>4</sup> :	125
Number of hubs theoretically visible <sup>4</sup> :	118
Date and time of viewpoint photography:	27/11/2022 @ 10:30
Camera:	Nikon Z6 II
Lens:	50mm (Nikon Z 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:

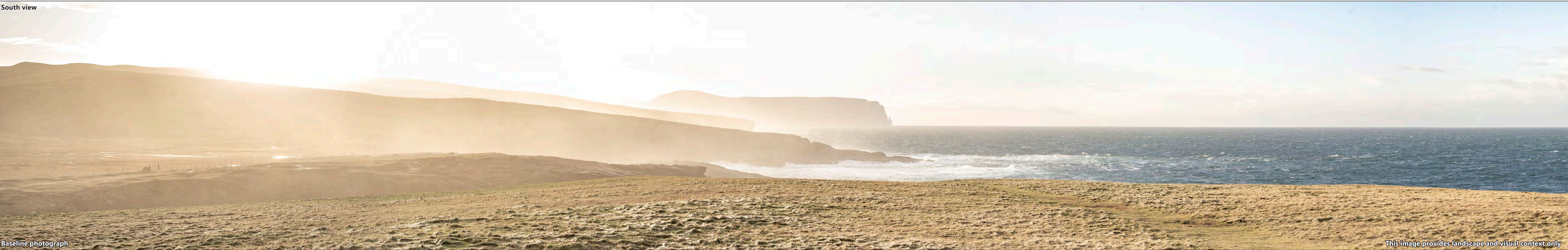
1. This figure has been based on the following parameters:  
Turbine layout file: LORKNEY001.WFL
  - Hub height: 194.52m
  - Rotor diameter: 330m
  - Height to blade tip: 359.52m
2. Turbine positions could be subject to micro-siting (typically up to 50m).
3. Direction given as bearing relative to Grid 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	
West of Orkney Offshore Wind Farm EIA Report	
<b>Figure 18.VP25a</b> <b>Viewpoint 25: Yesnaby - Brough of Bigging</b>	
July 2023	



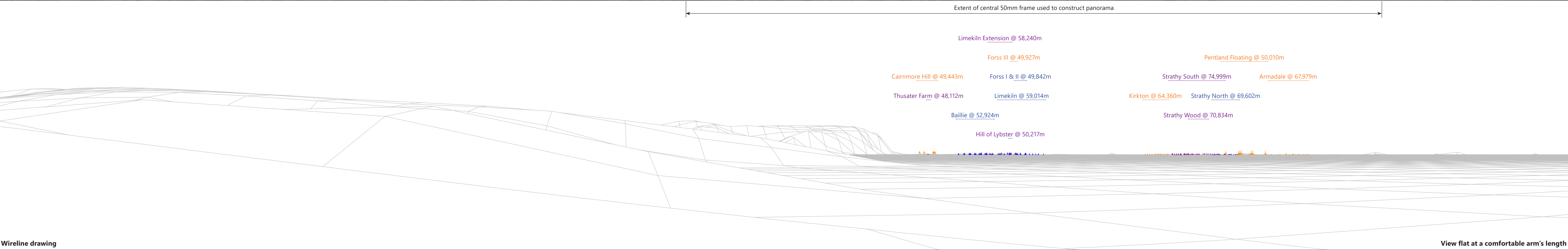
South view



Baseline photograph

This image provides landscape and visual context only

Extent of central 50mm frame used to construct panorama



Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

OS reference:	N321 858, E1015 731	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	8.5m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	173°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	33,203m	Correct printed image size:	820 x 130mm	Date and time:	27/11/2022 10:30

Client	West of Orkney Windfarm	West of Orkney Offshore Wind Farm EIA Report	Figure 18.VP25b Viewpoint 25: Yesnaby - Brough of Bigging	July 2023	WSP
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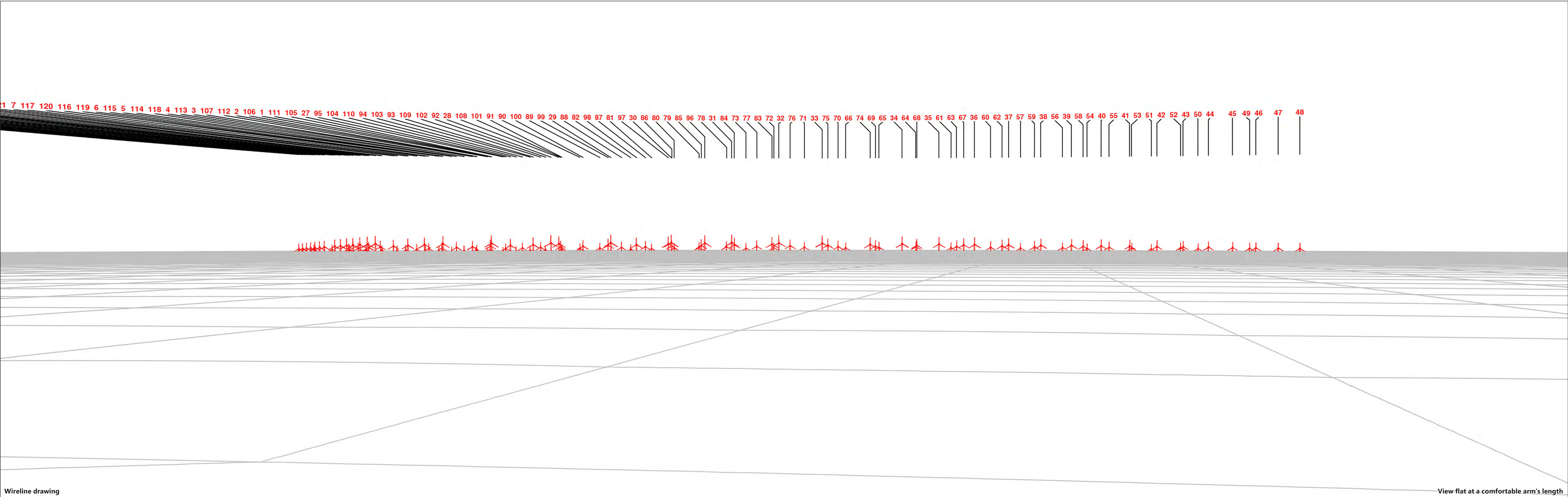




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Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key:  West of Orkney Wind Farm  Existing  Consented  Application

OS reference:	N321 858, E1015 731	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	8.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	263°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	33.203m	Correct printed image size:	820 x 260mm	Date and time:	27/11/2022 10:30

Client		West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP25d</b> <b>Viewpoint 25: Yesnaby - Brough of Bigging</b>	July 2023	
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Photomontage

View flat at a comfortable arm's length

OS reference:	N321 858, E1015 731	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	8.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	263°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	33.203m	Correct printed image size:	820 x 260mm	Date and time:	27/11/2022 10:30

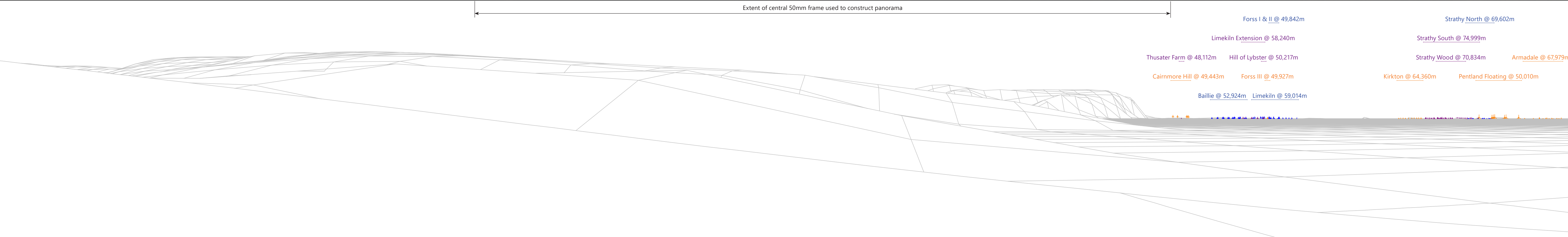
Client		West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP25e</b> <b>Viewpoint 25: Yesnaby - Brough of Bigging</b>	July 2023	
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Baseline photograph

This image provides landscape and visual context only



Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key: West of Orkney Wind Farm Lit Consented Wind Farms Lit Application Wind Farms

OS reference:	N321 858, E1015 731	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	8.5m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	263°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	33.203m	Correct printed image size:	820 x 130mm	Date and time:	28/11/2022 16:00

Client	West of Orkney Windfarm	West of Orkney Offshore Wind Farm EIA Report	Figure 18.VP25f Viewpoint N25: Yesnaby	March 2023	
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23 124 24 9 25 123 26 122 8 121 7 117 120 116 119 6 115 5 114 118 4 113 3 107 112 2 106 1 111 105 27 95 104 110 94 103 93 109 102 92 28 108 101 91 90 100 89 99 29 88 82 98 87 81 97 30 86 80 79 85 96 78 31 84 73 77 83 72 32 76 71 33 75 70 66 74 69 65 34 64 68 35 61 63 67 36 60 62 37 57 59 38 56 39 58 54 40 55 41 53 51 42 52 43 50 44 45 49 46 47 48



Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key:  West of Orkney Wind Farm  Lit Consented Wind Farms  Lit Application Wind Farms

OS reference:	N321 858, E1015 731	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	8.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	263°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	33.203m	Correct printed image size:	820 x 260mm	Date and time:	28/11/2022 16:00

Client



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP25h  
Viewpoint N25: Yesnaby

March 2023







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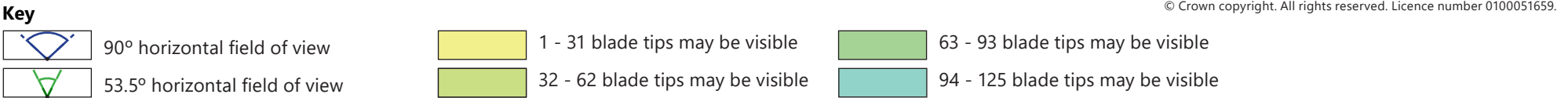
Photomontage (2000cd / 200cd Intensity Lighting)

View flat at a comfortable arm's length

OS reference:	N321 858, E1015 731	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	8.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	263°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	33.203m	Correct printed image size:	820 x 260mm	Date and time:	28/11/2022 16:00

Client		West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP25i</b> <b>Viewpoint N25: Yesnaby</b>	March 2023	
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### Viewpoint Parameters

OS reference:	N323 569, E1019 257
Ground Level Elevation:	5m AOD
Camera Height:	1.5m AGL
Direction of view to site centre <sup>3</sup> :	253°
Distance to nearest turbine:	35,714m
Number of blade tips theoretically visible <sup>4</sup> :	55
Number of hubs theoretically visible <sup>4</sup> :	52
Date and time of viewpoint photography:	29/11/2022 @ 11:15
Camera:	Nikon Z6 II
Lens:	50mm (Nikon Z 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: LORKNEY001.WFL
  - Hub height: 194.52m
  - Rotor diameter: 330m
  - Height to blade tip: 359.52m
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



West of Orkney Offshore Wind Farm  
EIA Report

**Figure 18.VP26a**  
**Viewpoint 26:**  
**Bay of Skail**

July 2023











**This image provides landscape and visual context only**

Extent of central 50mm frame used to construct panorama

## Wireline drawing

**View flat at a comfortable arm's length**

<b>Wind Farm Key:</b>  West of Orkney Wind Farm  Existing  Consented  Application				OS reference: N323 569, E1019 257 Eye level: 6.5m AOD Direction of view: 178° Nearest turbine: 35,714m				Horizontal field of view: 90° (cylindrical projection) Principal distance: 522mm Paper size: 841mm x 297mm (half A1) Correct printed image size: 820 x 130mm				Camera: Nikon Z6 II Lens: 50mm (Nikon Z 50mm f/1.8) Camera height: 1.5m AGL Date and time: 29/11/2022 11:15				Client 		West of Orkney Offshore Wind Farm EIA Report		<b>Figure 18.VP26b</b> <b>Viewpoint 26:</b> <b>Bay of Skall</b>		July 2023 	
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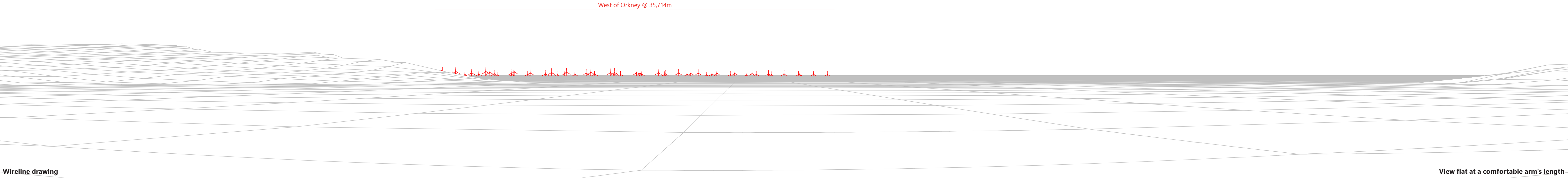
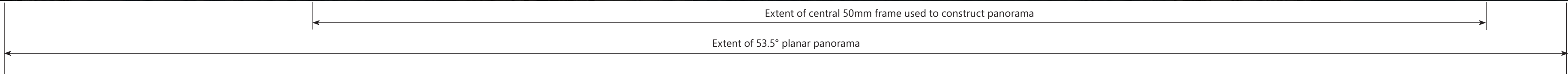
H:\data\Projects\653781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\Design\Stage\07 Extra\VP26 NS Bay of Skall 853781-FG-SA-00045\_R6.indd Originator: wilc03

West view



Baseline photograph

This image provides landscape and visual context only



Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

OS reference:	N323 569, E1019 257	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	6.5m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	268°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	35,714m	Correct printed image size:	820 x 130mm	Date and time:	29/11/2022 11:15

Client



West of Orkney Offshore Wind Farm  
EIA Report

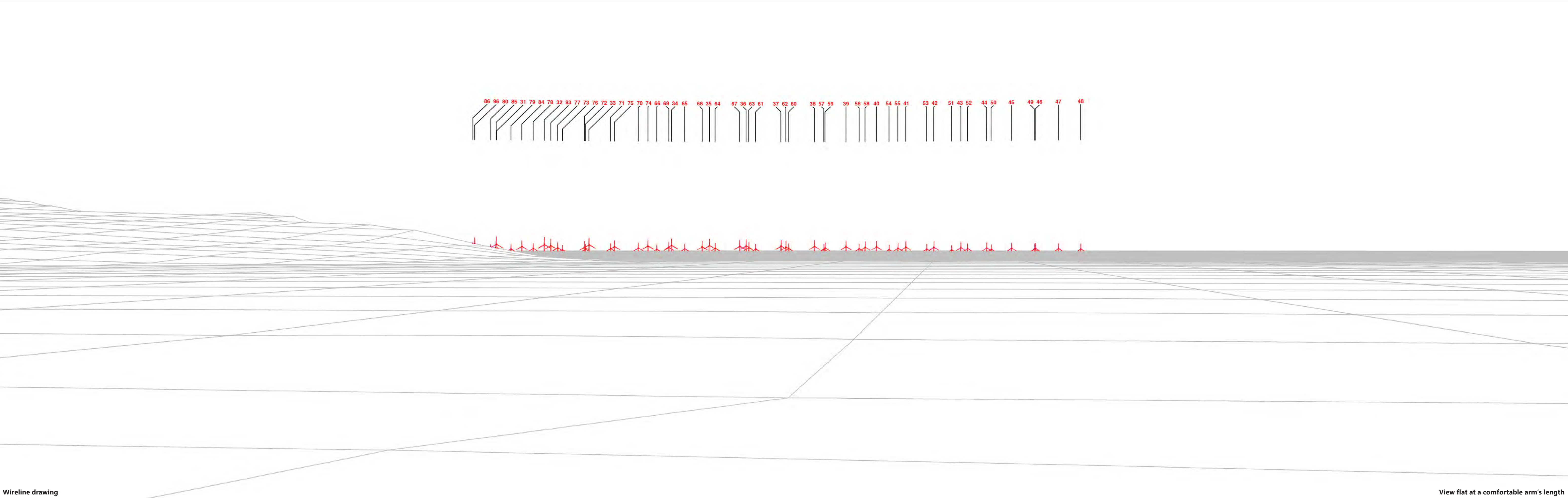
Figure 18.VP26c  
Viewpoint 26:  
Bay of Skall

July 2023





H:\data\Projects\653781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\Design\2023-07 Extra\VP26 NS Bay of Skall\VP26 NS Bay of Skall 853781-FG-SA-00045\_Rc.indd Originator: wilco3



Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key:  West of Orkney Wind Farm  Existing  Consented  Application

OS reference:	N323 569, E1019 257	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	6.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	268°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	35,714m	Correct printed image size:	820 x 260mm	Date and time:	29/11/2022 11:15

Client



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP26d  
Viewpoint 26:  
Bay of Skall

July 2023







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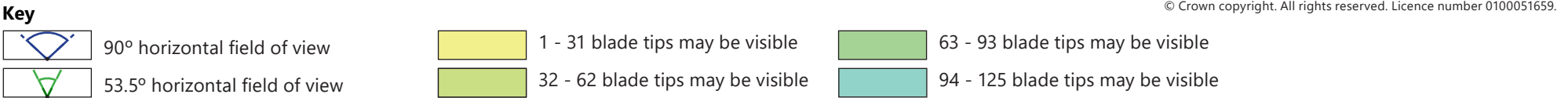
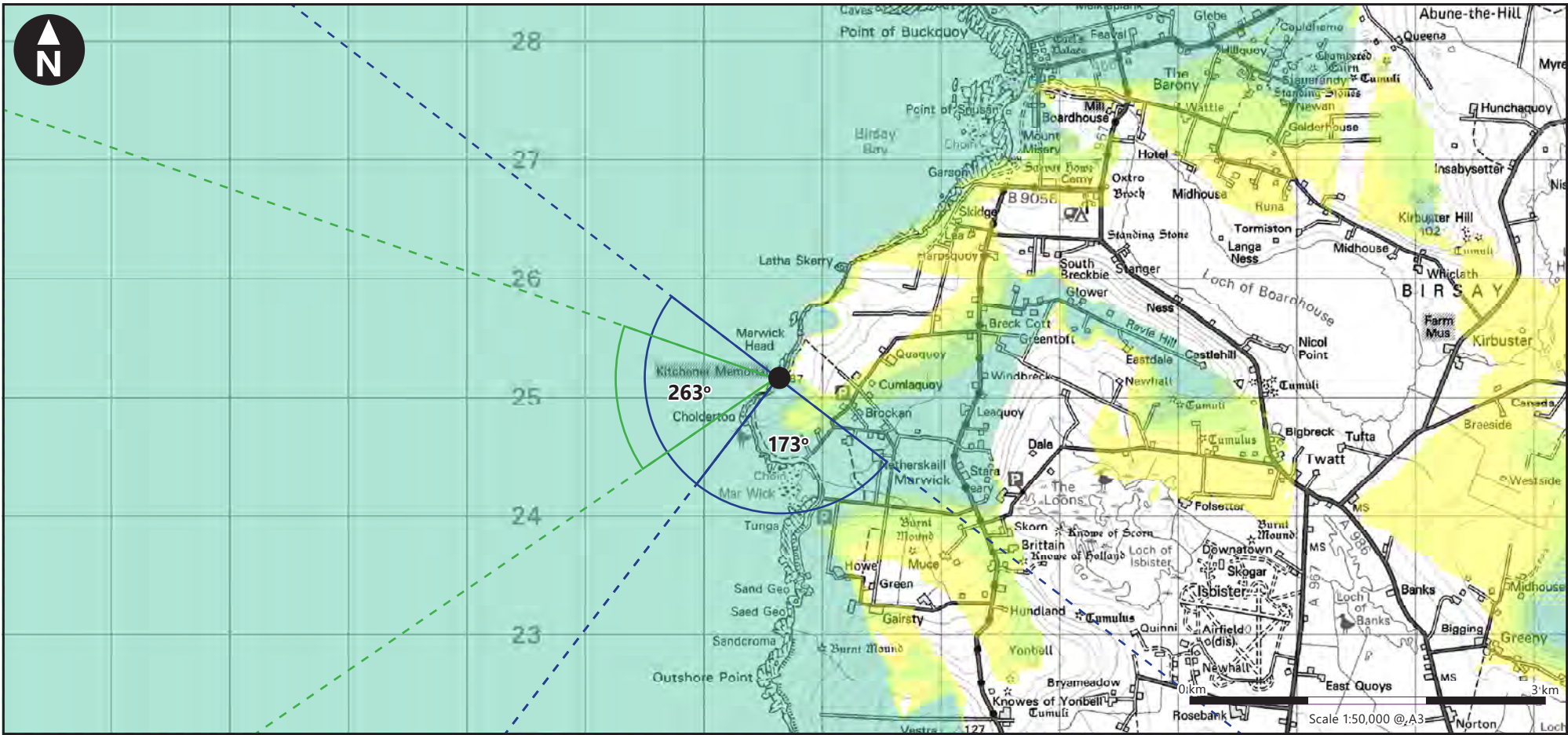
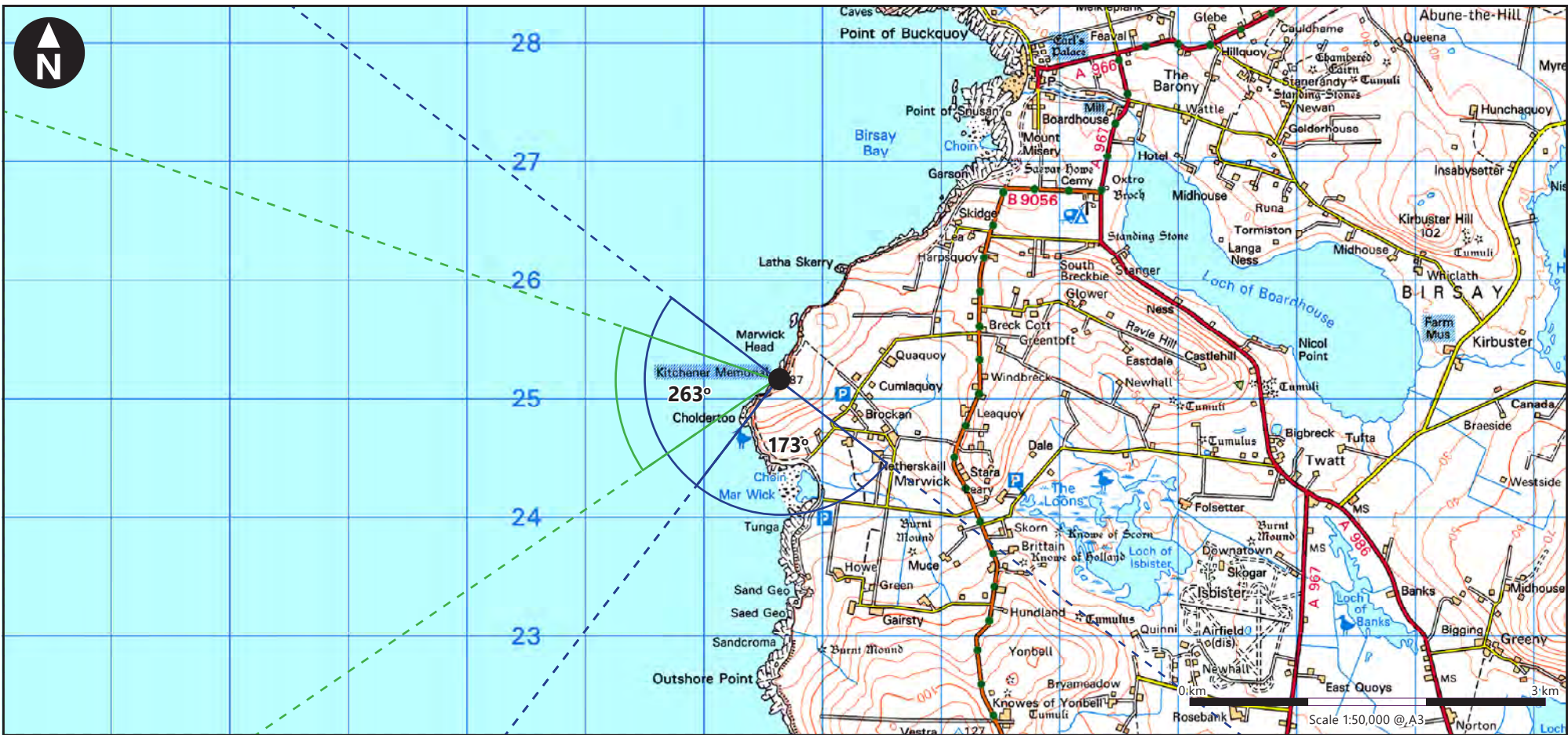
Photomontage

View flat at a comfortable arm's length

OS reference:	N323 569, E1019 257	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	6.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	268°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	35,714m	Correct printed image size:	820 x 260mm	Date and time:	29/11/2022 11:15

Client		West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP26e</b> <b>Viewpoint 26:</b> <b>Bay of Skail</b>	July 2023	
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### Viewpoint Parameters

OS reference:	N322 626, E1025 165
Ground Level Elevation:	86m AOD
Camera Height:	1.5m AGL
Direction of view to site centre <sup>3</sup> :	246°
Distance to nearest turbine:	36,932m
Number of blade tips theoretically visible <sup>4</sup> :	125
Number of hubs theoretically visible <sup>4</sup> :	125
Date and time of viewpoint photography:	29/11/2022 @ 10:30
Camera:	Nikon Z6 II
Lens:	50mm (Nikon Z 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: LORKNEY001.WFL
  - Hub height: 194.52m
  - Rotor diameter: 330m
  - Height to blade tip: 359.52m
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



West of Orkney Offshore Wind Farm  
EIA Report

**Figure 18.VP27a**  
**Viewpoint 27:**  
**Marwick Head Kitchener Memorial**

July 2023





H:\data\Projects\653781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\Design\VP27 NS Marwick Head 853781-FG-5A-00046\_R6.indd Originator: wisc03

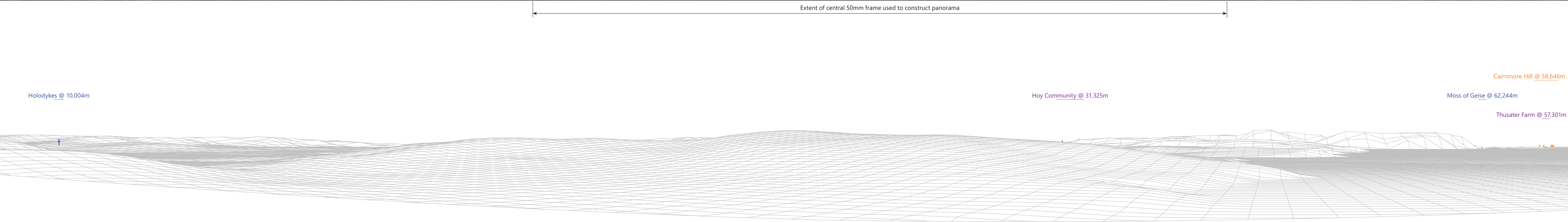
South view



Baseline photograph

This image provides landscape and visual context only

Extent of central 50mm frame used to construct panorama



Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

OS reference:	N322 626, E1025 165	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	87.5m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	173°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	36.932m	Correct printed image size:	820 x 130mm	Date and time:	29/11/2022 10:30



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP27b  
Viewpoint 27:  
Marwick Head Kitchener Memorial

July 2023





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West view

Baseline photograph

This image provides landscape and visual context only

Limekiln Extension @ 67,243m

Baillie @ 62,016m

Limekiln @ 68,019m

Balmore Farm @ 60,674m

Forss I & II @ 58,827m

Hill of Lybster @ 59,229m

Forss III @ 58,928m

Strathy Wood @ 79,218m

Pentland Floating @ 58,255m

Strathy South @ 83,404m

Armadaale @ 75,929m

Kirkton @ 72,860m

Strathy North @ 77,850m

Bettyhill @ 80,702m

Extent of central 50mm frame used to construct panorama

Extent of 53.5° planar panorama

West of Orkney @ 36,932m

Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key:  West of Orkney Wind Farm  Existing  Consented  Application

OS reference: N322 626, E1025 165  
Eye level: 87.5m AOD  
Direction of view: 263°  
Nearest turbine: 36,932m

Horizontal field of view: 90° (cylindrical projection)  
Principal distance: 522mm  
Paper size: 841mm x 297mm (half A1)  
Correct printed image size: 820 x 130mm

Camera: Nikon Z6 II  
Lens: 50mm (Nikon Z 50mm f/1.8)  
Camera height: 1.5m AGL  
Date and time: 29/11/2022 10:30

Client



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP27c  
Viewpoint 27:  
Marwick Head Kitchener Memorial

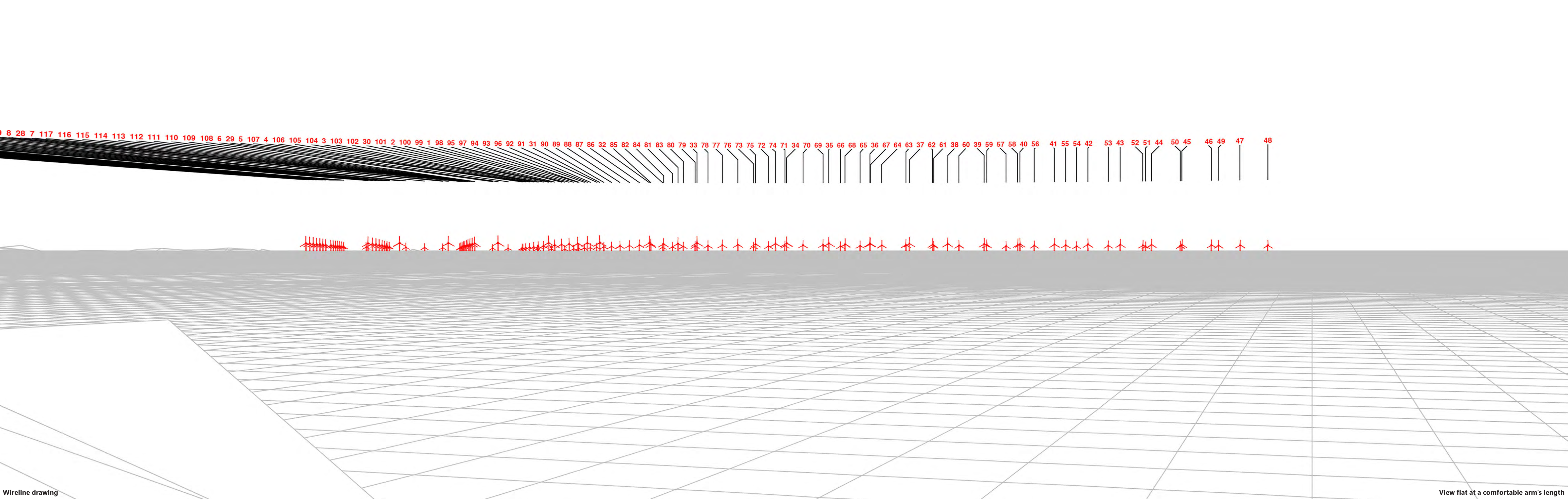
July 2023





Originator: wisc03

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Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

OS reference:	N322 626, E1025 165	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	87.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	263°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	36.932m	Correct printed image size:	820 x 260mm	Date and time:	29/11/2022 10:30

Client		West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP27d</b> <b>Viewpoint 27:</b> <b>Marwick Head Kitchener Memorial</b>	July 2023	
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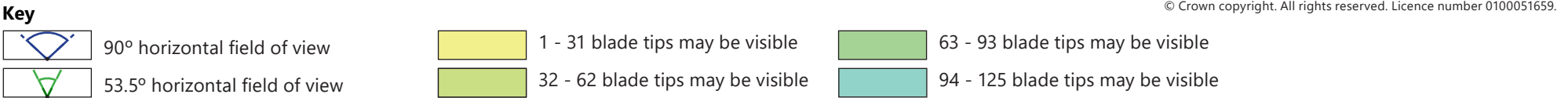
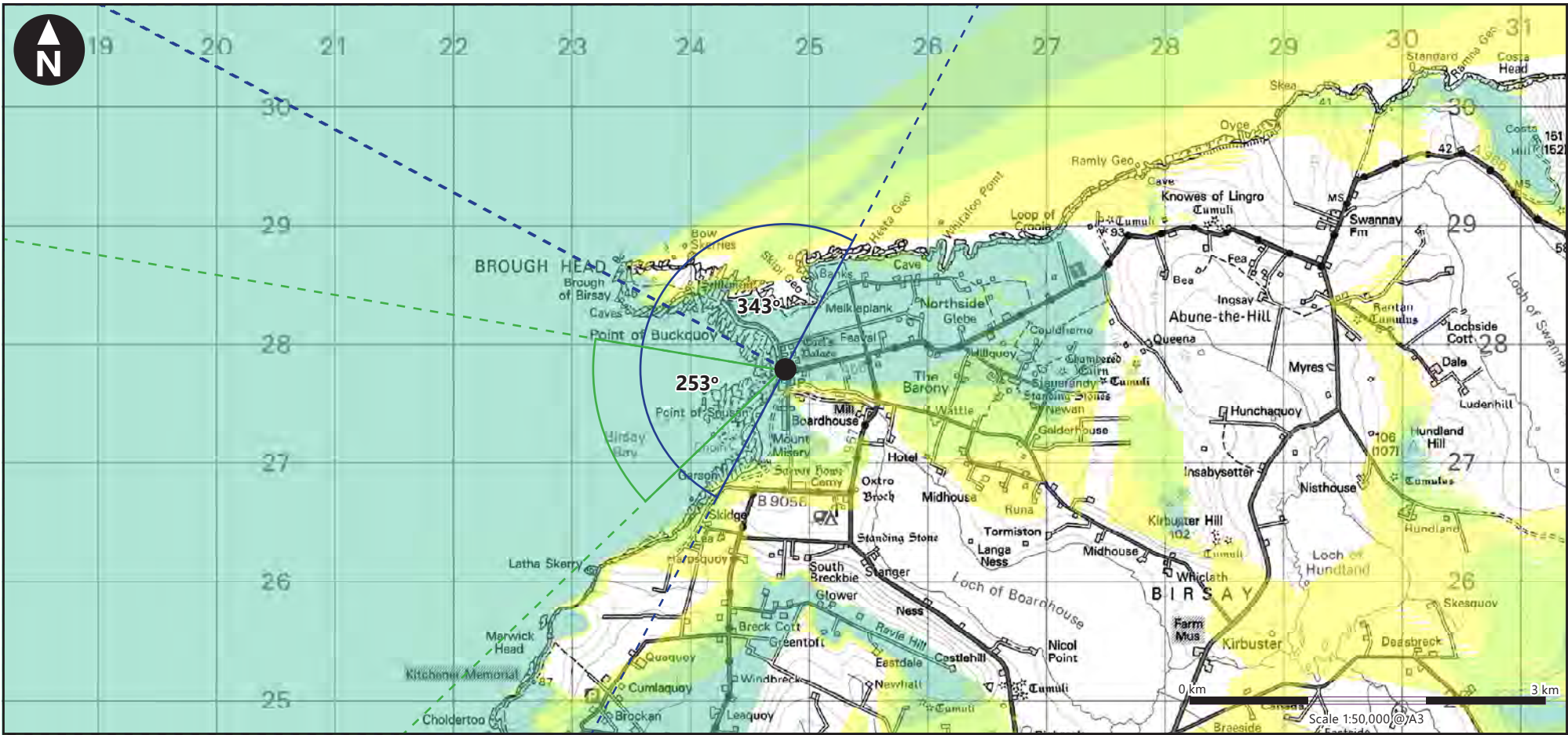
Photomontage

View flat at a comfortable arm's length

OS reference:	N322 626, E1025 165	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	87.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	263°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	36.932m	Correct printed image size:	820 x 260mm	Date and time:	29/11/2022 10:30

Client		West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP27e</b> <b>Viewpoint 27:</b> <b>Marwick Head Kitchener Memorial</b>	July 2023	
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Viewpoint Parameters	
OS reference:	N324 730, E1027 794
Ground Level Elevation:	5m AOD
Camera Height:	1.5m AGL
Direction of view to site centre <sup>3</sup> :	245°
Distance to nearest turbine:	40,021m
Number of blade tips theoretically visible <sup>4</sup> :	125
Number of hubs theoretically visible <sup>4</sup> :	102
Date and time of viewpoint photography:	29/11/2022 @ 09:50
Camera:	Nikon Z6 II
Lens:	50mm (Nikon Z 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:	
<ul style="list-style-type: none"><li>• 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;</li><li>• 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;</li><li>• A static image cannot convey turbine movement, or flicker or reflection from the sun on the turbine blades as they move;</li><li>• The viewpoints illustrated are representative of views in the area, but cannot represent visibility at all locations;</li><li>• To form the best impression of the impacts of the wind farm proposal these images are best viewed at the viewpoint location shown;</li><li>• The images must be printed at the right size to be viewed properly (260mm by 820mm);</li><li>• 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.</li><li>• The ZTV presented here takes no account of the screening effects of vegetation or buildings.</li></ul>	

<b>Additional notes:</b>	
1. This figure has been based on the following parameters: Turbine layout file: LORKNEY001.WFL • Hub height: 194.52m • Rotor diameter: 330m • Height to blade tip: 359.52m	
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	
West of Orkney Offshore Wind Farm EIA Report	
<b>Figure 18.VP28a</b> <b>Viewpoint 28:</b> <b>Earl's Palace, Birsay</b>	
July 2023	



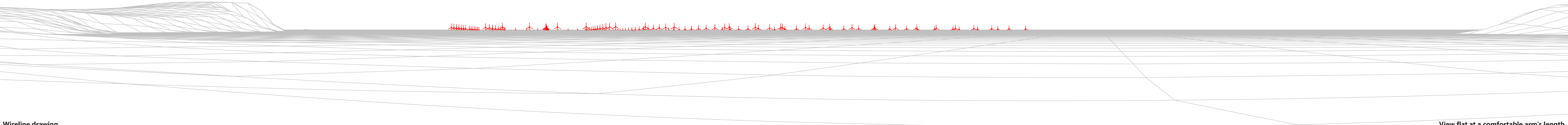
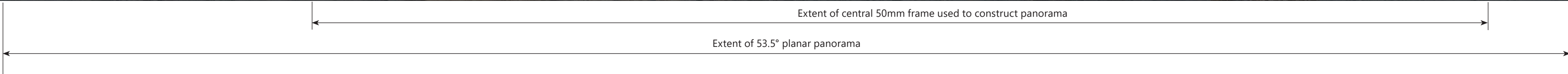
H:\data\Projects\653781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\Design\VP28 NS Earl's Palace 653781\_FG-SA-0047\_R4.indd Originator: wilc03

West view



Baseline photograph

This image provides landscape and visual context only



Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key:  West of Orkney Wind Farm  Existing  Consented  Application

OS reference:	N324 730, E1027 794	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	6.5m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	253°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	40,021m	Correct printed image size:	820 x 130mm	Date and time:	29/11/2022 09:50

Client



West of Orkney Offshore Wind Farm  
EIA Report

Figure 18.VP28b  
Viewpoint 28:  
Earl's Palace, Birsay

July 2023





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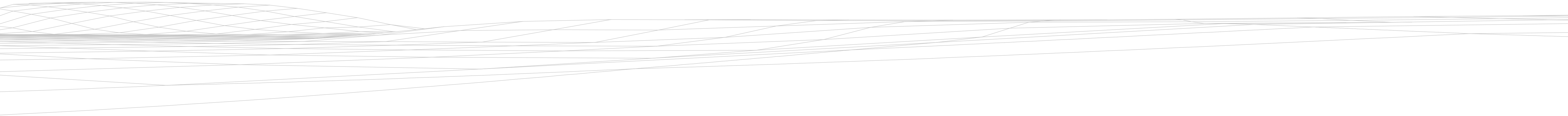
North view



Baseline photograph


This image provides landscape and visual context only

Extent of central 50mm frame used to construct panorama



Wireline drawing

View flat at a comfortable arm's length

Wind Farm Key:  West of Orkney Wind Farm  Existing  Consented  Application

OS reference:	N324 730, E1027 794	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	6.5m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	343°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	40,021m	Correct printed image size:	820 x 130mm	Date and time:	29/11/2022 09:50

Client



West of Orkney Offshore Wind Farm  
EIA Report

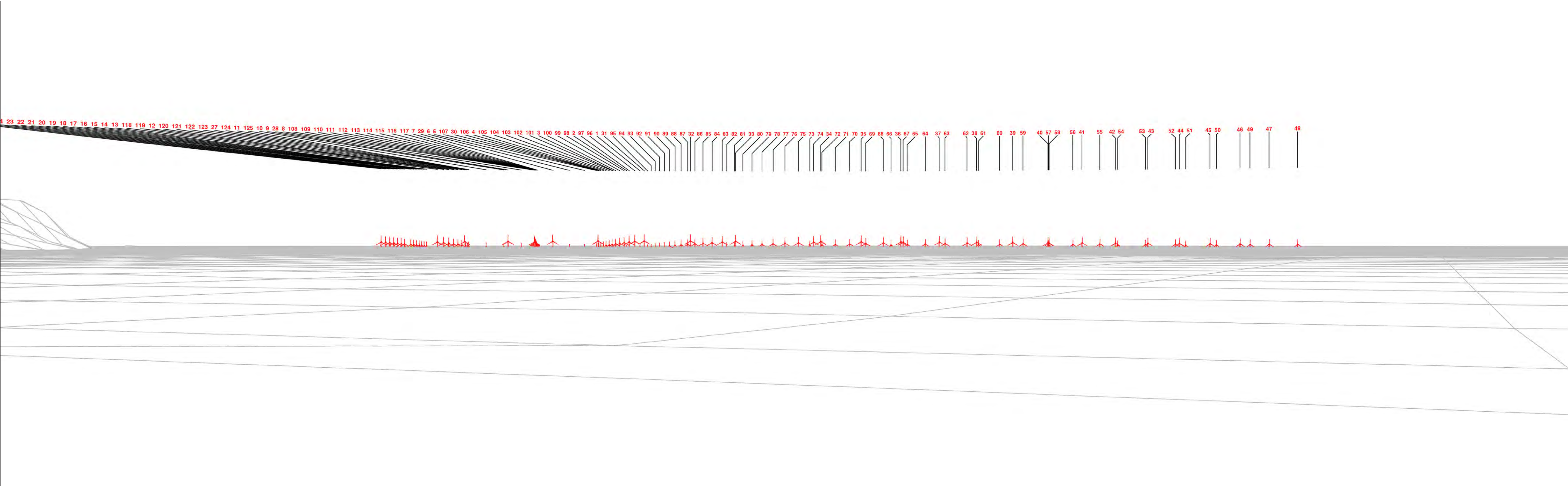
Figure 18.VP28c  
Viewpoint 28:  
Earl's Palace, Birsay

July 2023





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**View flat at a comfortable arm's length**

OS reference:	N324 730, E1027 794	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II		Client West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.VP28e</b> <b>Viewpoint 28:</b> <b>Earl's Palace, Birsay</b>	July 2023	
Eye level:	6.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)					
Direction of view:	263°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL					
Nearest turbine:	40,021m	Correct printed image size:	820 x 260mm	Date and time:	29/11/2022 09:50					



H:\Data\Projects\653781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\2023-08 Extra for Xodus\Figure 18.29 VPI NS Dumess (Alternative) 653781-FG-SA-00071\_R1.indd Originator: wilsc03



Photomontage

View flat at a comfortable arm's length

Note: The first row of the turbines has been enhanced in order to create perspective, which allows for a more realistic impression of depth, or of distance.

OS reference:	N240 604, E969 244	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	42.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	57°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	26,733m	Correct printed image size:	820 x 260mm	Date and time:	30/10/2022 09:25

Client



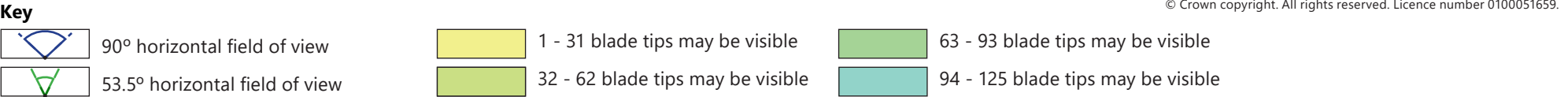
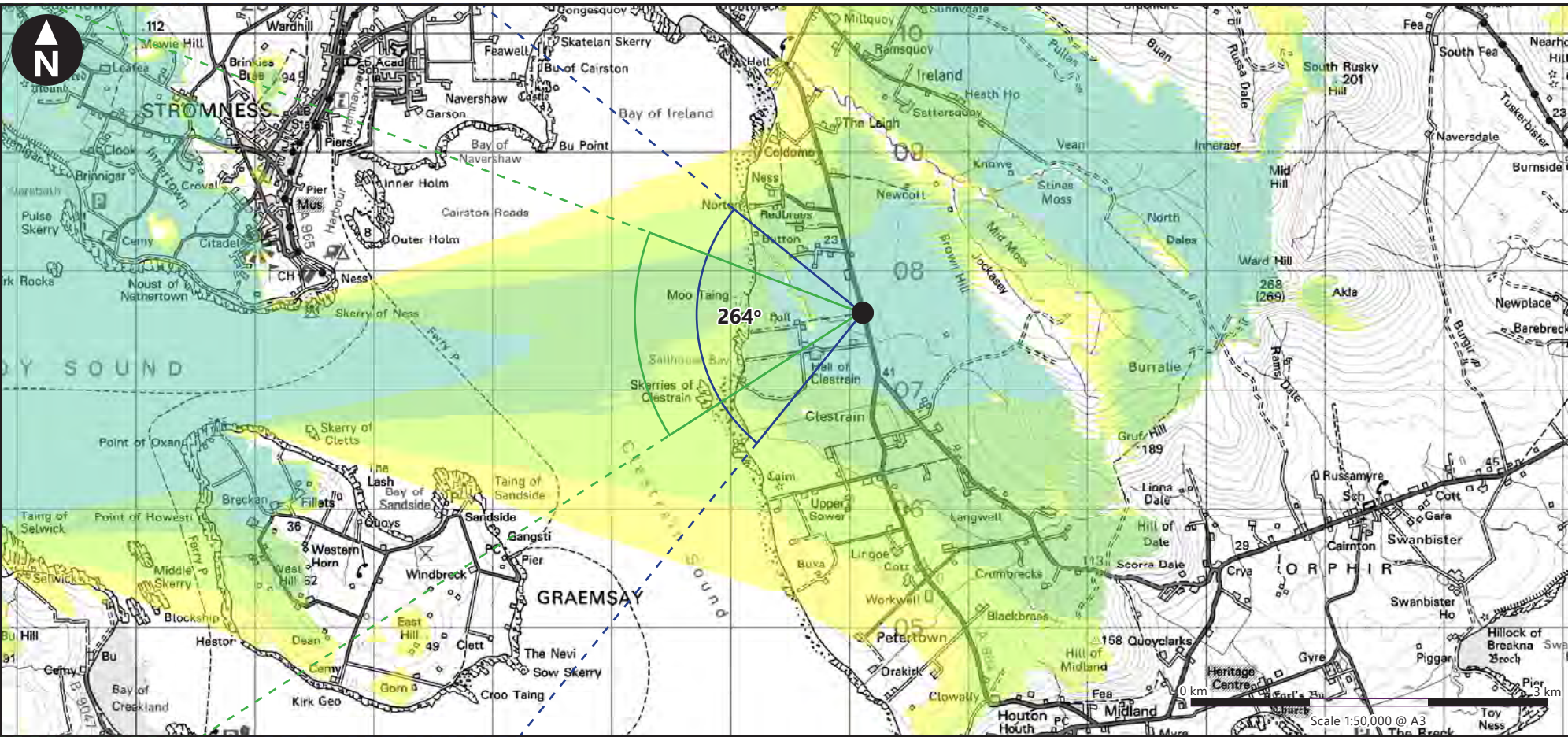
West of Orkney Offshore Wind Farm  
EIA Report

**Figure 18.29**  
**Alternative Visualisation for Viewpoint 1:**  
**Faraid Head**

August 2023







### Viewpoint Parameters

OS reference:	N330 086, E1007 628
Ground Level Elevation:	43m AOD
Camera Height:	1.5m AGL
Direction of view to site centre <sup>3</sup> :	267°
Distance to nearest turbine:	40,624m
Number of blade tips theoretically visible <sup>4</sup> :	109
Number of hubs theoretically visible <sup>4</sup> :	104
Date and time of viewpoint photography:	19/05/2023 @ 10:40
Camera:	Sony A7 III
Lens:	50mm (Sony FE 50mm f/1.2 GM)

### 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: LORKNEY001.WFL
  - Hub height: 194.52m
  - Rotor diameter: 330m
  - Height to blade tip: 359.52m
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



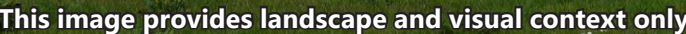
West of Orkney Offshore Wind Farm  
EIA Report

**Figure 18.30a**  
**Hall of Clestrain**  
**Marine Archaeology Onshore**  
**Setting Visualisation**

August 2023







Extent of 53.5° planar panorama

West of Orkney @ 40,624m



**View flat at a comfortable arm's length**

OS reference:	N330 086, E1007 628	Horizontal field of view:	90° (cylindrical projection)	Camera:	Sony A7 III
Eye level:	44.5m AOD	Principal distance:	522mm	Lens:	50mm (Sony FE 50mm f/1.2 GM)
Direction of view:	264°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	40,624m	Correct printed image size:	820 x 130mm	Date and time:	19/05/2023 10:40

Client

West of Orkney Offshore Wind Farm  
EIA Report

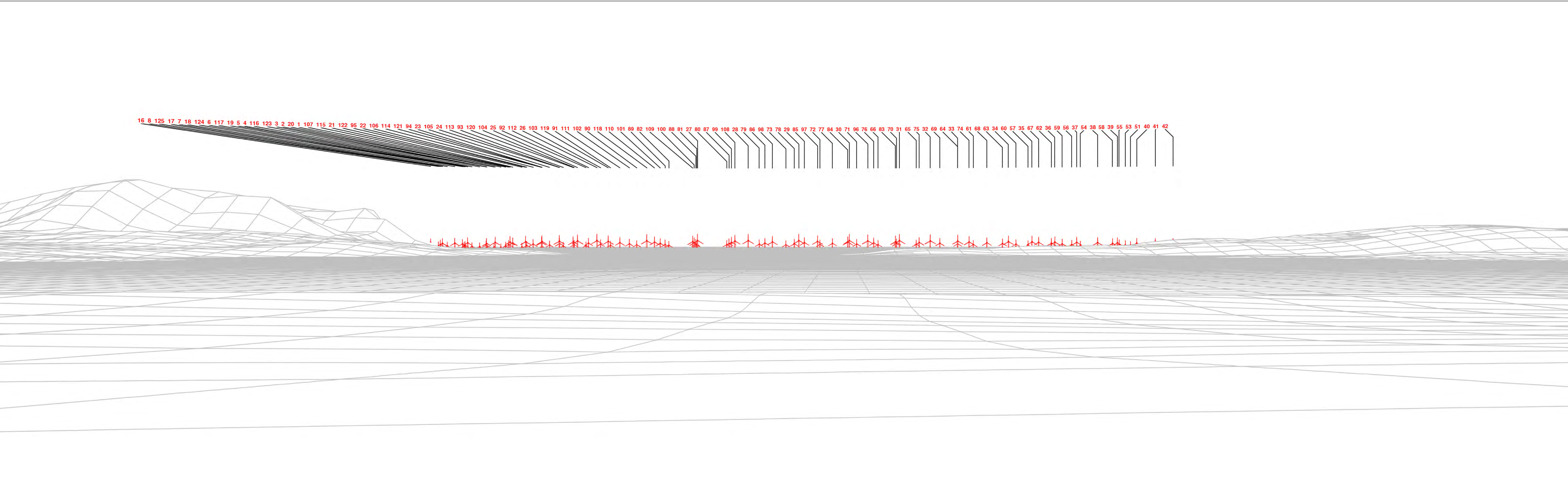
**Figure 18.30b**  
**Hall of Clestrain**  
**Marine Archaeology Onshore**  
**Setting Visualisation**

August 2023





H:\data\Projects\653781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\2023-08 Extra for Xodus\Figure 18.30a-d NS Clestrain Marine Archaeology 853781-FG-SA-00072\_R1.indd Originator: wils03







H:\Data\Projects\853781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\2023-08 Extra for Xodus\Figure 18.30e-d NS Clestrain Marine Archaeology 853781-FG-SA-00072\_R1.indd Originator: wils03



Photomontage

View flat at a comfortable arm's length

OS reference:	N330 086, E1007 628	Horizontal field of view:	53.5° (planar projection)	Camera:	Sony A7 III
Eye level:	44.5m AOD	Principal distance:	812.5mm	Lens:	50mm (Sony FE 50mm f/1.2 GM)
Direction of view:	264°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	40.624m	Correct printed image size:	820 x 260mm	Date and time:	19/05/2023 10:40

Client		West of Orkney Offshore Wind Farm EIA Report	<b>Figure 18.30d</b> <b>Hall of Clestrain</b> <b>Marine Archaeology Onshore</b> <b>Setting Visualisation</b>	August 2023	
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Offshore Wind Power Limited

# West of Orkney Offshore EIA Report

## Volume 2, Supporting Study 20: SLVIA Visualisations (THC Guidance)

**ASSIGNMENT** L100632-S05  
**DOCUMENT** L-100632-S05-A-REPT-012



**XODUS**

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**Viewpoint 1 (Fig 18.VP1j)**  
**Faraid Head**

Distance to nearest turbine: 26,733m

Camera: Nikon Z6 II

Focal Length: 50mm

Camera height: 1.5m

Date: 30/10/2022 09:25

The rendering of the closest turbines to the viewpoint has been intensified in order to indicate the Horizontal Field of View occupied by the proposed turbines in the view. This has not been applied to turbines beyond 38km distance from the viewpoint. When viewed at a comfortable arm's length (approx. 500mm), this printed image is representative of our detailed central vision, but is not representative of scale and distance





**Viewpoint 1 (Fig 18.VP1k)**  
**Faraid Head**

Distance to nearest turbine: 26,733m    Camera: Nikon Z6 II    Focal Length: 75mm    Camera height: 1.5m    Date: 30/10/2022 09:25

The rendering of the closest turbines to the viewpoint has been intensified in order to indicate the Horizontal Field of View occupied by the proposed turbines in the view. This has not been applied to turbines beyond 38km distance from the viewpoint. This image should be viewed at a comfortable arms length (approx. 500mm).





**Viewpoint 2 (Fig 18.VP2h)**  
**Ben Hope**

Distance to nearest turbine: 41,897m

Camera: Nikon Z6 II

Focal Length: 50mm

Camera height: 1.5m

Date: 20/09/2019 09:52

When viewed at a comfortable arm's length (approx. 500mm), this printed image is representative of our detailed central vision, but is not representative of scale and distance





**Viewpoint 2 (Fig 18.VP2i)**  
**Ben Hope**

Distance to nearest turbine: 41,897m

Camera: Nikon Z6 II

Focal Length: 75mm

Camera height: 1.5m

Date: 20/09/2019 09:52

This image should be viewed at a comfortable arms length (approx. 500mm)





**Viewpoint 3 (Fig 18.VP3f)**  
**A838 A'Mhòine**

Distance to nearest turbine: 31,243m

Camera: Nikon Z6 II

Focal Length: 50mm

Camera height: 1.5m

Date: 30/10/2022 10:51

The rendering of the closest turbines to the viewpoint has been intensified in order to indicate the Horizontal Field of View occupied by the proposed turbines in the view. This has not been applied to turbines beyond 38km distance from the viewpoint. When viewed at a comfortable arm's length (approx. 500mm), this printed image is representative of our detailed central vision, but is not representative of scale and distance





**Viewpoint 3 (Fig 18.VP3g)**  
**A838 A'Mhòine**

Distance to nearest turbine: 31,243m

Camera: Nikon Z6 II

Focal Length: 75mm

Camera height: 1.5m

Date: 30/10/2022 10:51

The rendering of the closest turbines to the viewpoint has been intensified in order to indicate the Horizontal Field of View occupied by the proposed turbines in the view. This has not been applied to turbines beyond 38km distance from the viewpoint. This image should be viewed at a comfortable arms length (approx. 500mm).





**Viewpoint 4 (Fig 18.VP4f)**  
**Achiniver Beach**

Distance to nearest turbine: 26,400m

Camera: Nikon Z6 II

Focal Length: 50mm

Camera height: 1.5m

Date: 30/10/2022 11:15

The rendering of the closest turbines to the viewpoint has been intensified in order to indicate the Horizontal Field of View occupied by the proposed turbines in the view. This has not been applied to turbines beyond 38km distance from the viewpoint. When viewed at a comfortable arm's length (approx. 500mm), this printed image is representative of our detailed central vision, but is not representative of scale and distance





**Viewpoint 4 (Fig 18.VP4g)**  
**Achiniver Beach**

Distance to nearest turbine: 26,400m

Camera: Nikon Z6 II

Focal Length: 75mm

Camera height: 1.5m

Date: 30/10/2022 11:15

The rendering of the closest turbines to the viewpoint has been intensified in order to indicate the Horizontal Field of View occupied by the proposed turbines in the view. This has not been applied to turbines beyond 38km distance from the viewpoint. This image should be viewed at a comfortable arms length (approx. 500mm).





**Viewpoint 5 (Fig 18.VP5f)**  
**Torrisdale Bay**

Distance to nearest turbine: 29,058m

Camera: Nikon Z6 II

Focal Length: 50mm

Camera height: 1.5m

Date: 29/10/2022 14:40

The rendering of the closest turbines to the viewpoint has been intensified in order to indicate the Horizontal Field of View occupied by the proposed turbines in the view. This has not been applied to turbines beyond 38km distance from the viewpoint. When viewed at a comfortable arm's length (approx. 500mm), this printed image is representative of our detailed central vision, but is not representative of scale and distance





**Viewpoint 5 (Fig 18.VP5g)**  
**Torrisdale Bay**

Distance to nearest turbine: 29,058m      Camera: Nikon Z6 II      Focal Length: 75mm      Camera height: 1.5m      Date: 29/10/2022 14:40

The rendering of the closest turbines to the viewpoint has been intensified in order to indicate the Horizontal Field of View occupied by the proposed turbines in the view. This has not been applied to turbines beyond 38km distance from the viewpoint. This image should be viewed at a comfortable arms length (approx. 500mm).





**Viewpoint 6 (Fig 18.VP6k)**  
**Strathy Point**

Distance to nearest turbine: 24,246m

Camera: Nikon Z6 II

Focal Length: 50mm

Camera height: 1.5m

Date: 29/10/2022 13:20

The rendering of the closest turbines to the viewpoint has been intensified in order to indicate the Horizontal Field of View occupied by the proposed turbines in the view. This has not been applied to turbines beyond 38km distance from the viewpoint. When viewed at a comfortable arm's length (approx. 500mm), this printed image is representative of our detailed central vision, but is not representative of scale and distance





**Viewpoint 6 (Fig 18.VP6I)**  
**Strathy Point**

Distance to nearest turbine: 24,246m    Camera: Nikon Z6 II    Focal Length: 75mm    Camera height: 1.5m    Date: 29/10/2022 13:20

The rendering of the closest turbines to the viewpoint has been intensified in order to indicate the Horizontal Field of View occupied by the proposed turbines in the view. This has not been applied to turbines beyond 38km distance from the viewpoint. This image should be viewed at a comfortable arms length (approx. 500mm).





**Viewpoint 7 (Fig 18.VP7e)**  
**Melvich Beach**

Distance to nearest turbine: 30,518m

Camera: Nikon Z6 II

Focal Length: 50mm

Camera height: 1.5m

Date: 29/10/2022 12:15

The rendering of the closest turbines to the viewpoint has been intensified in order to indicate the Horizontal Field of View occupied by the proposed turbines in the view. This has not been applied to turbines beyond 38km distance from the viewpoint. When viewed at a comfortable arm's length (approx. 500mm), this printed image is representative of our detailed central vision, but is not representative of scale and distance





**Viewpoint 7 (Fig 18.VP7f)**  
**Melvich Beach**

Distance to nearest turbine: 30,518m      Camera: Nikon Z6 II      Focal Length: 75mm      Camera height: 1.5m      Date: 29/10/2022 12:15

The rendering of the closest turbines to the viewpoint has been intensified in order to indicate the Horizontal Field of View occupied by the proposed turbines in the view. This has not been applied to turbines beyond 38km distance from the viewpoint. This image should be viewed at a comfortable arms length (approx. 500mm).





**Viewpoint 8 (Fig 18.VP8h)**  
**Beinn Ratha**

Distance to nearest turbine: 36,951m

Camera: Nikon Z6 II

Focal Length: 50mm

Camera height: 1.5m

Date: 18/05/2022 13:15

The rendering of the closest turbines to the viewpoint has been intensified in order to indicate the Horizontal Field of View occupied by the proposed turbines in the view. This has not been applied to turbines beyond 38km distance from the viewpoint. When viewed at a comfortable arm's length (approx. 500mm), this printed image is representative of our detailed central vision, but is not representative of scale and distance





**Viewpoint 8 (Fig 18.VP8i)**  
**Beinn Ratha**

Distance to nearest turbine: 36,951m      Camera: Nikon Z6 II      Focal Length: 75mm      Camera height: 1.5m      Date: 18/05/2022 13:15

The rendering of the closest turbines to the viewpoint has been intensified in order to indicate the Horizontal Field of View occupied by the proposed turbines in the view. This has not been applied to turbines beyond 38km distance from the viewpoint. This image should be viewed at a comfortable arms length (approx. 500mm).





**Viewpoint 9 (Fig 18.VP9f)**  
**A836, Reay Kirk, Sandside Bay**

Distance to nearest turbine: 34,608m

Camera: Nikon Z6 II

Focal Length: 50mm

Camera height: 1.5m

Date: 29/10/2022 11:25

The rendering of the closest turbines to the viewpoint has been intensified in order to indicate the Horizontal Field of View occupied by the proposed turbines in the view. This has not been applied to turbines beyond 38km distance from the viewpoint. When viewed at a comfortable arm's length (approx. 500mm), this printed image is representative of our detailed central vision, but is not representative of scale and distance





**Viewpoint 9 (Fig 18.VP9g)**  
**A836, Reay Kirk, Sandside Bay**

Distance to nearest turbine: 34,608m

Camera: Nikon Z6 II

Focal Length: 75mm

Camera height: 1.5m

Date: 29/10/2022 11:25

The rendering of the closest turbines to the viewpoint has been intensified in order to indicate the Horizontal Field of View occupied by the proposed turbines in the view. This has not been applied to turbines beyond 38km distance from the viewpoint. This image should be viewed at a comfortable arms length (approx. 500mm).





**Viewpoint 10 (Fig 18.VP10f)**  
**Crosskirk, St. Mary's Chapel**

Distance to nearest turbine: 33,745m

Camera: Nikon Z6 II

Focal Length: 50mm

Camera height: 1.5m

Date: 29/10/2022 10:35

The rendering of the closest turbines to the viewpoint has been intensified in order to indicate the Horizontal Field of View occupied by the proposed turbines in the view. This has not been applied to turbines beyond 38km distance from the viewpoint. When viewed at a comfortable arm's length (approx. 500mm), this printed image is representative of our detailed central vision, but is not representative of scale and distance





**Viewpoint 10 (Fig 18.VP10g)**  
**Crosskirk, St. Mary's Chapel**

Distance to nearest turbine: 33,745m      Camera: Nikon Z6 II      Focal Length: 75mm      Camera height: 1.5m      Date: 29/10/2022 10:35

The rendering of the closest turbines to the viewpoint has been intensified in order to indicate the Horizontal Field of View occupied by the proposed turbines in the view. This has not been applied to turbines beyond 38km distance from the viewpoint. This image should be viewed at a comfortable arms length (approx. 500mm).





**Viewpoint 12 (Fig 18.VP12f)**  
**Dunnet Bay - at Caravan Park**

Distance to nearest turbine: 44,516m

Camera: Nikon Z6 II

Focal Length: 50mm

Camera height: 1.5m

Date: 30/10/2022 13:30

When viewed at a comfortable arm's length (approx. 500mm), this printed image is representative of our detailed central vision, but is not representative of scale and distance





**Viewpoint 12 (Fig 18.VP12g)**  
**Dunnet Bay - at Caravan Park**

Distance to nearest turbine: 44,516m

Camera: Nikon Z6 II

Focal Length: 75mm

Camera height: 1.5m

Date: 30/10/2022 13:30

This image should be viewed at a comfortable arms length (approx. 500mm)





**Viewpoint 13 (Fig 18.VP13f)**  
**Dunnet Head**

Distance to nearest turbine: 39,520m

Camera: Nikon Z6 II

Focal Length: 50mm

Camera height: 1.5m

Date: 18/05/2022 10:00

When viewed at a comfortable arm's length (approx. 500mm), this printed image is representative of our detailed central vision, but is not representative of scale and distance





**Viewpoint 13 (Fig 18.VP13g)**  
**Dunnet Head**

Distance to nearest turbine: 39,520m

Camera: Nikon Z6 II

Focal Length: 75mm

Camera height: 1.5m

Date: 18/05/2022 10:00

This image should be viewed at a comfortable arms length (approx. 500mm)





**Viewpoint 14 (Fig 18.VP14e)**  
**Castle of Mey LB & GDL**

Distance to nearest turbine: 47,759m

Camera: Nikon Z6 II

Focal Length: 50mm

Camera height: 1.5m

Date: 30/10/2022 13:55

When viewed at a comfortable arm's length (approx. 500mm), this printed image is representative of our detailed central vision, but is not representative of scale and distance





**Viewpoint 14 (Fig 18.VP14f)**  
**Castle of Mey LB & GDL**

Distance to nearest turbine: 47,759m

Camera: Nikon Z6 II

Focal Length: 75mm

Camera height: 1.5m

Date: 30/10/2022 13:55

This image should be viewed at a comfortable arms length (approx. 500mm)





**Viewpoint 15 (Fig 18.VP15f)**  
**St. John's Point**

Distance to nearest turbine: 49,141m

Camera: Nikon Z6 II

Focal Length: 50mm

Camera height: 1.5m

Date: 30/10/2022 14:15

When viewed at a comfortable arm's length (approx. 500mm), this printed image is representative of our detailed central vision, but is not representative of scale and distance





**Viewpoint 15 (Fig 18.VP15g)**  
**St. John's Point**

Distance to nearest turbine: 49,141m

Camera: Nikon Z6 II

Focal Length: 75mm

Camera height: 1.5m

Date: 30/10/2022 14:15

This image should be viewed at a comfortable arms length (approx. 500mm)





**Viewpoint 16 (Fig 18.VP16e)**  
**Beinn Freiceadain Hillfort**

Distance to nearest turbine: 47,113m

Camera: Nikon Z6 II

Focal Length: 50mm

Camera height: 1.5m

Date: 23/03/2023 15:09

When viewed at a comfortable arm's length (approx. 500mm), this printed image is representative of our detailed central vision, but is not representative of scale and distance





**Viewpoint 16 (Fig 18.VP16f)**  
**Beinn Freiceadain Hillfort**

Distance to nearest turbine: 47,113m

Camera: Nikon Z6 II

Focal Length: 75mm

Camera height: 1.5m

Date: 23/03/2023 15:09

This image should be viewed at a comfortable arms length (approx. 500mm)





**Viewpoint 17 (Fig 18.VP17f)**  
**Kyle of Tongue - A838 Causeway**

Distance to nearest turbine: 32,624m

Camera: Nikon Z6 II

Focal Length: 50mm

Camera height: 1.5m

Date: 30/10/2022 11:45

The rendering of the closest turbines to the viewpoint has been intensified in order to indicate the Horizontal Field of View occupied by the proposed turbines in the view. This has not been applied to turbines beyond 38km distance from the viewpoint. When viewed at a comfortable arm's length (approx. 500mm), this printed image is representative of our detailed central vision, but is not representative of scale and distance





**Viewpoint 17 (Fig 18.VP17g)**  
**Kyle of Tongue - A838 Causeway**

Distance to nearest turbine: 32,624m

Camera: Nikon Z6 II

Focal Length: 75mm

Camera height: 1.5m

Date: 30/10/2022 11:45

The rendering of the closest turbines to the viewpoint has been intensified in order to indicate the Horizontal Field of View occupied by the proposed turbines in the view. This has not been applied to turbines beyond 38km distance from the viewpoint. This image should be viewed at a comfortable arms length (approx. 500mm).





**Viewpoint 18 (Fig 18.VP18j)**  
**A836 Between Thurso and Castletown**

Distance to nearest turbine: 43,200m

Camera: Nikon Z6 II

Focal Length: 50mm

Camera height: 1.5m

Date: 29/10/2022 09:40

When viewed at a comfortable arm's length (approx. 500mm), this printed image is representative of our detailed central vision, but is not representative of scale and distance





**Viewpoint 18 (Fig 18.VP18k)**  
**A836 Between Thurso and Castletown**

Distance to nearest turbine: 43,200m    Camera: Nikon Z6 II    Focal Length: 75mm    Camera height: 1.5m    Date: 29/10/2022 09:40

This image should be viewed at a comfortable arms length (approx. 500mm)





**Viewpoint 19 (Fig 18.VP19f)**  
**A836 Dounreay**

Distance to nearest turbine: 34,295m

Camera: Nikon Z6 II

Focal Length: 50mm

Camera height: 1.5m

Date: 29/10/2022 11:00

The rendering of the closest turbines to the viewpoint has been intensified in order to indicate the Horizontal Field of View occupied by the proposed turbines in the view. This has not been applied to turbines beyond 38km distance from the viewpoint. When viewed at a comfortable arm's length (approx. 500mm), this printed image is representative of our detailed central vision, but is not representative of scale and distance





**Viewpoint 19 (Fig 18.VP19g)**  
**A836 Dounreay**

Distance to nearest turbine: 34,295m    Camera: Nikon Z6 II    Focal Length: 75mm    Camera height: 1.5m    Date: 29/10/2022 11:00

The rendering of the closest turbines to the viewpoint has been intensified in order to indicate the Horizontal Field of View occupied by the proposed turbines in the view. This has not been applied to turbines beyond 38km distance from the viewpoint. This image should be viewed at a comfortable arms length (approx. 500mm).