



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

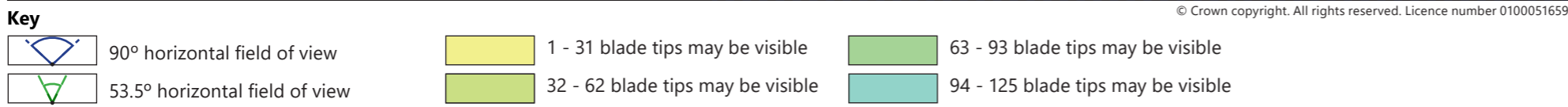
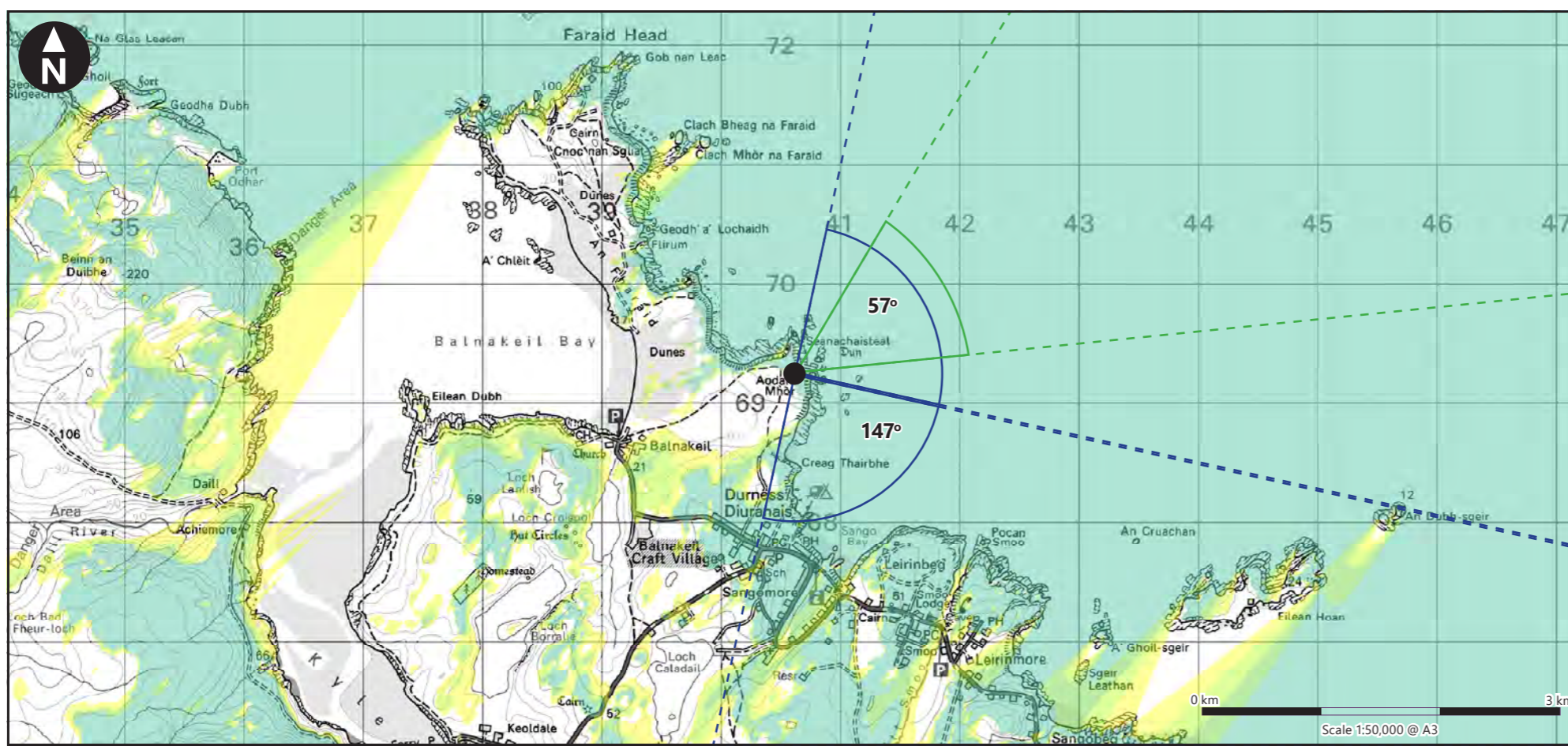
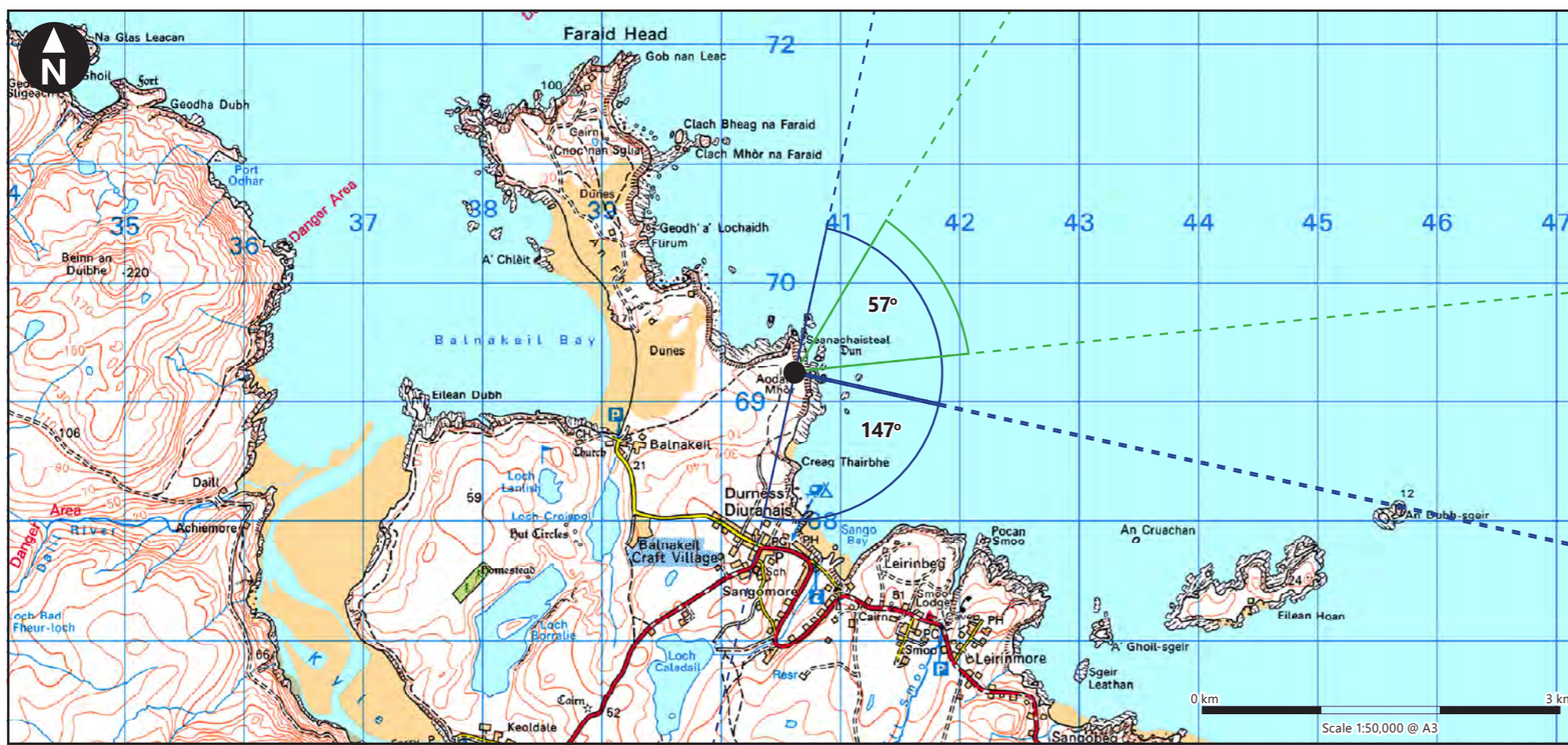
Xodus House
50 Huntly Street . Aberdeen
AB10 1RS . UK

T +44 (0)1224 628300

<Redacted>

www.xodusgroup.com

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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 ³ :	45°
Distance to nearest turbine:	26,733m
Number of blade tips theoretically visible ⁴ :	125
Number of hubs theoretically visible ⁴ :	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	



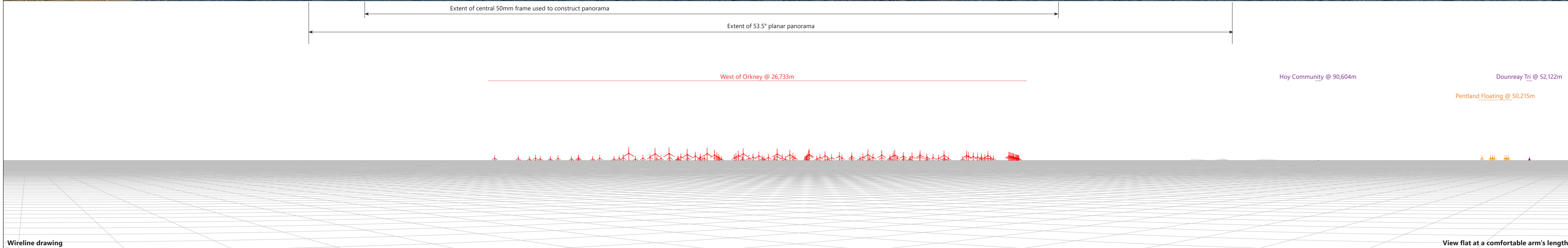
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Northeast view

Baseline photograph

This image provides landscape and visual context only

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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:	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	
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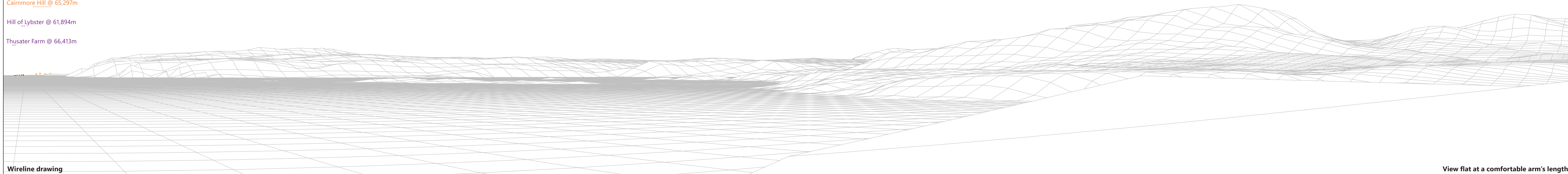
Southeast view



Baseline photograph

Extent of central 50mm frame used to construct panorama

- Forss I & II @ 61,086m
- Forss III @ 61,732m
- Cairmore Hill @ 65,297m
- Hill of Lybster @ 61,894m
- Thusater Farm @ 66,413m



Wireline drawing

View flat at a comfortable arm's length

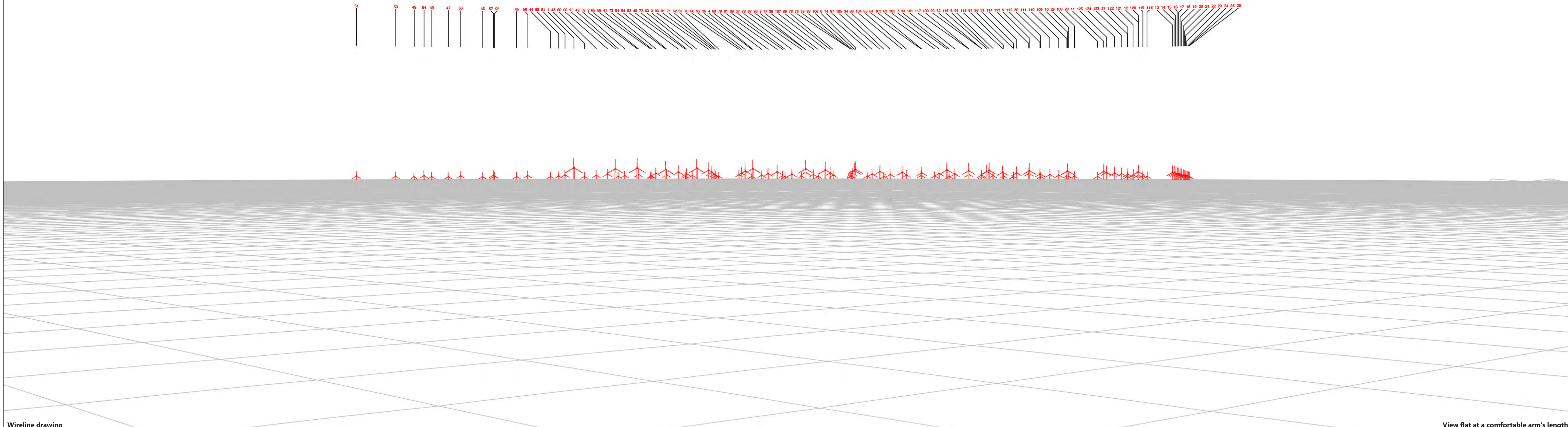
Wind Farm Key: ✚ West of Orkney Wind Farm ✚ Existing ✚ Consented ✚ Application

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:	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	Figure 18.VP1c Viewpoint 1: Faraid Head	July 2023	
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Originator: wiscd3



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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Originator: wils03



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
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.VP1e
Viewpoint 1: Faraid Head

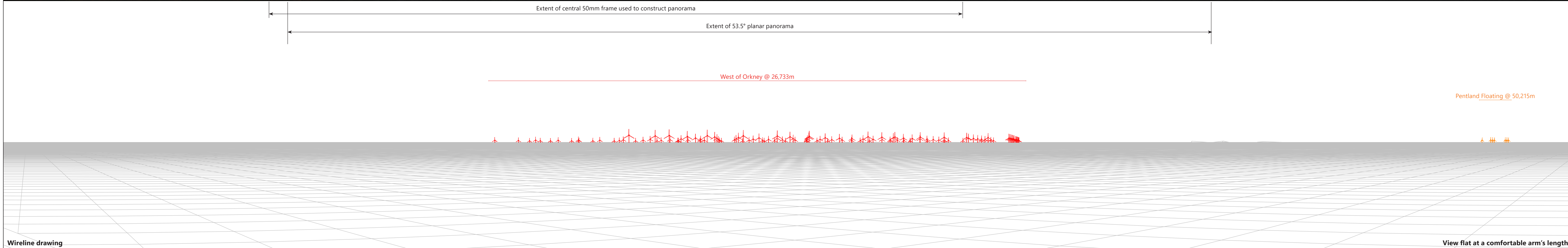
July 2023



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:	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



Client
West of Orkney Offshore Wind Farm
EIA Report

Figure 18.VP1f
Viewpoint N1: Faraid Head

February 2023



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Southeast 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  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

Figure 18.VP1g
Viewpoint N1: Faraid Head

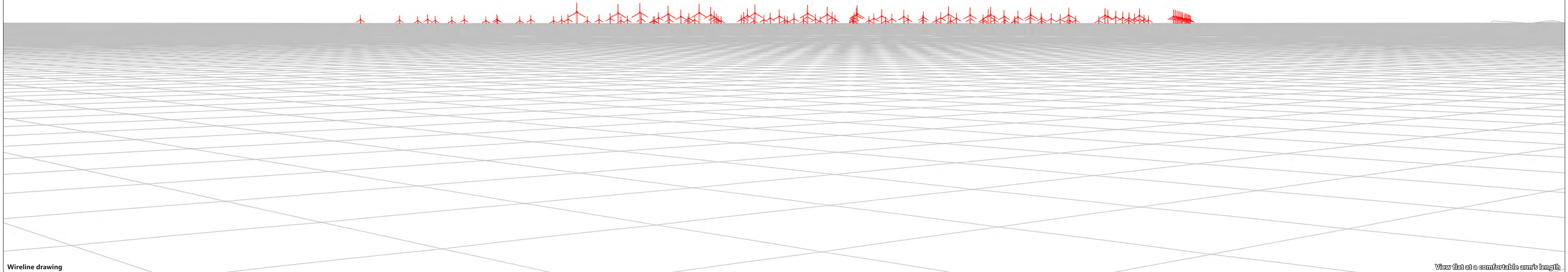
February 2023



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Wireline drawing

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.VP1h
Viewpoint N1: Faraid Head

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Originator: wils03



Photomontage (2000cd / 200cd Intensity Lighting)

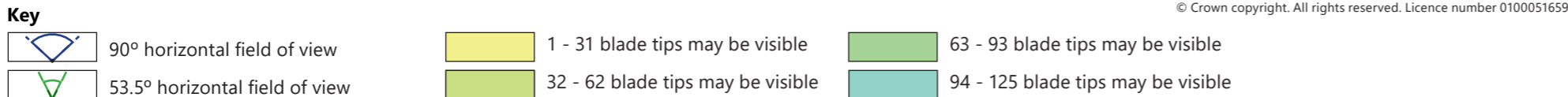
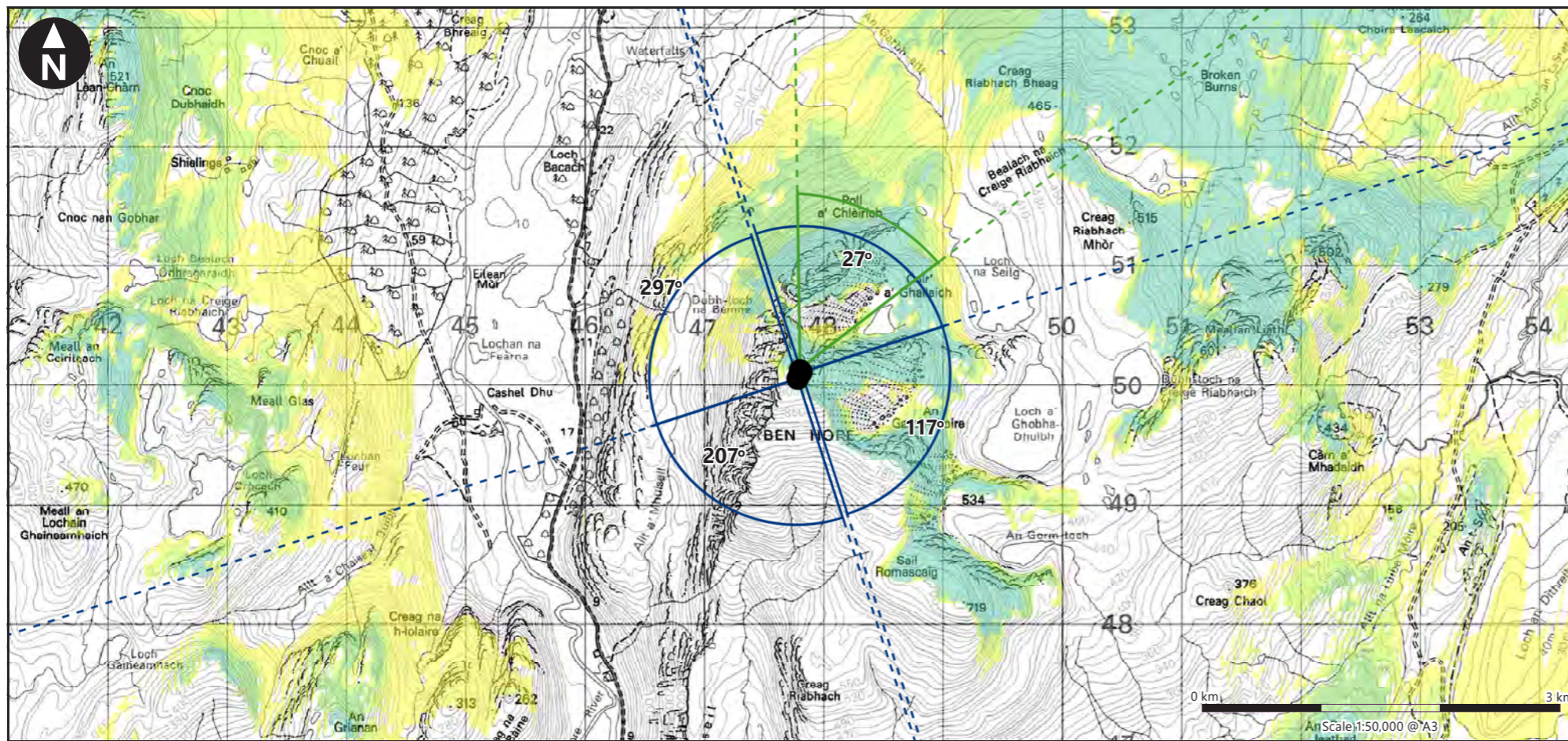
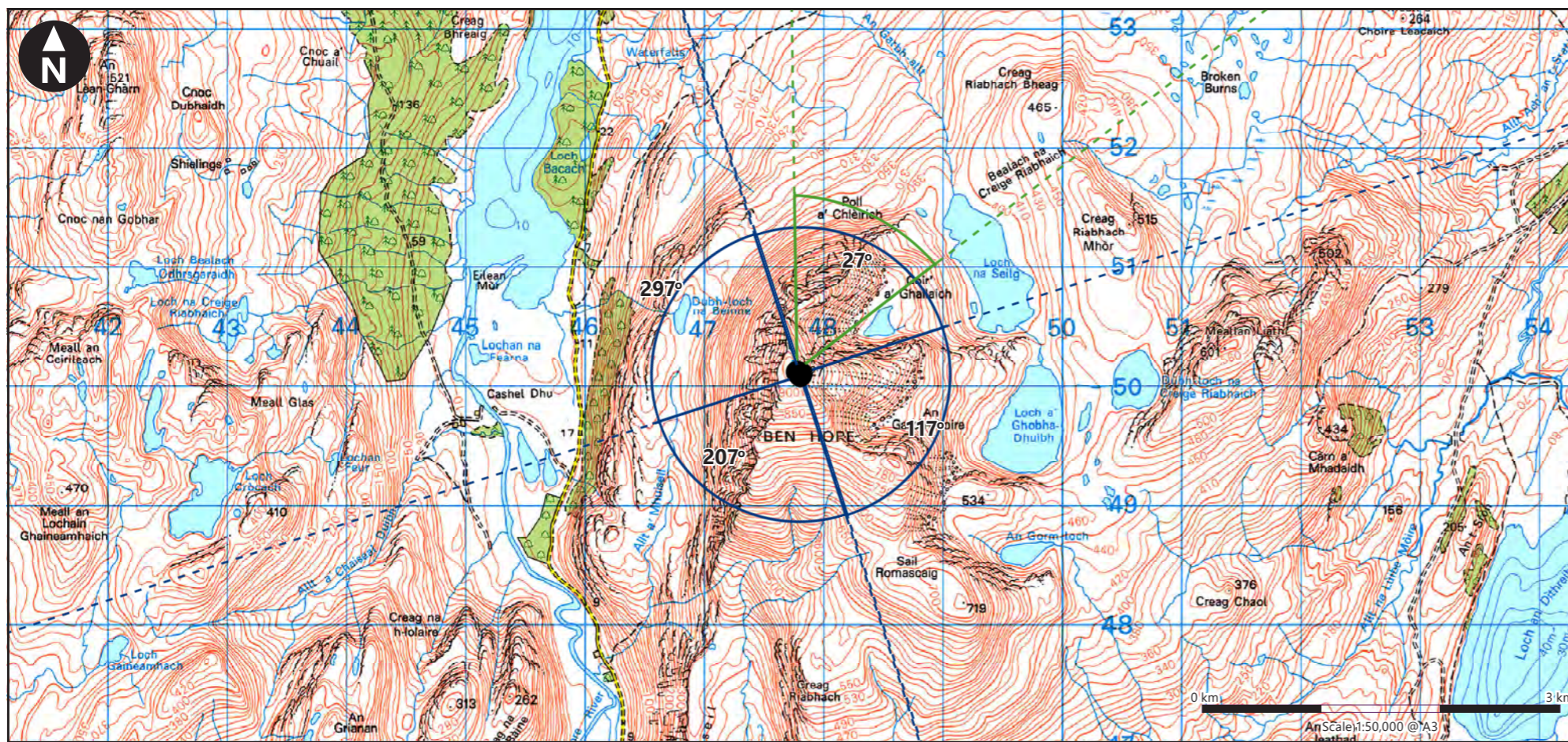
View flat at a comfortable arm's length

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



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 ³ :	27°
Distance to nearest turbine:	41,897m
Number of blade tips theoretically visible ⁴ :	125
Number of hubs theoretically visible ⁴ :	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;
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- The viewpoints illustrated are representative of views in the area, but cannot represent visibility at all locations;
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- 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

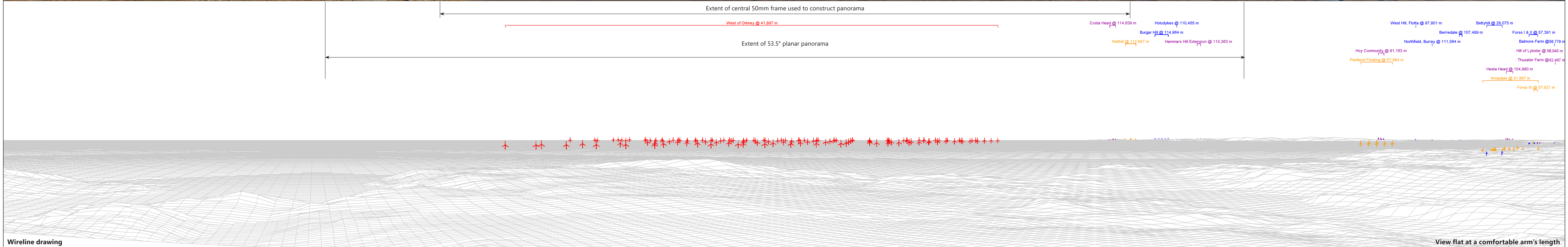
July 2023



Northeast view

Baseline photograph

This image provides landscape and visual context only



Wireline drawing

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	Figure 18.VP2b Viewpoint 2: Ben Hope	
				July 2023

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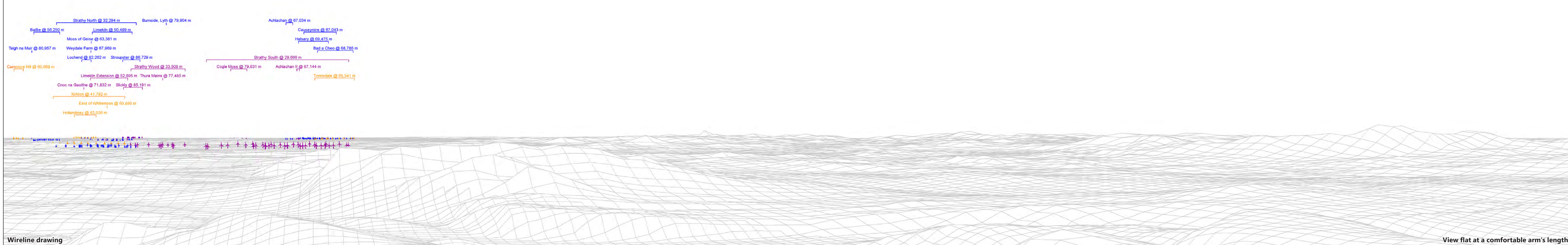
Originator: wisec03

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

Figure 18.VP2c
Viewpoint 2: Ben Hope

July 2023

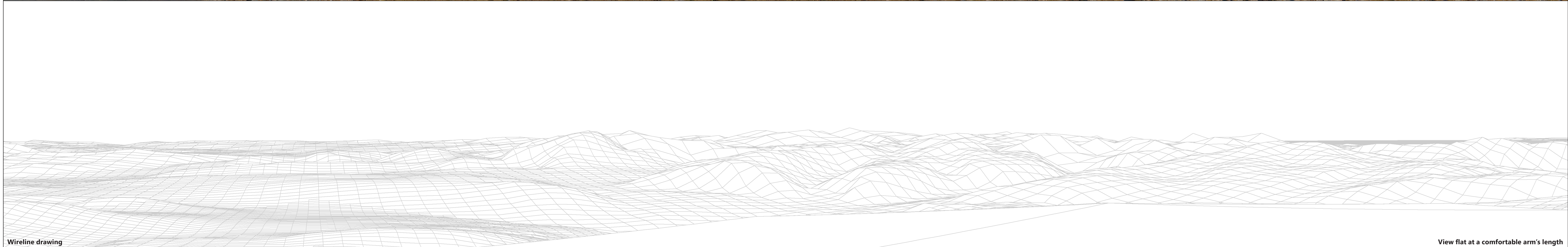
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Southwest view







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



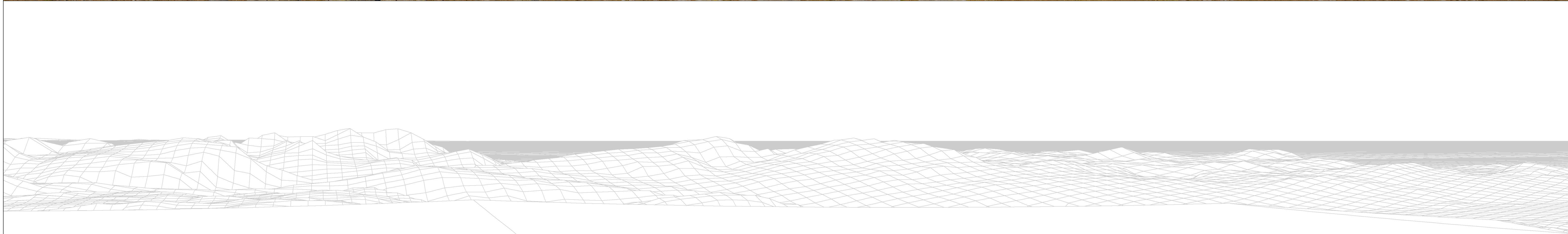
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Originator: wisec03

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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Costa Head @ 114,639m
 Hammars Hill Extension @ 115,363m
 Burgar Hill @ 114,964m
 Nisthill @ 112,687m
 Holodykes @ 110,455m



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



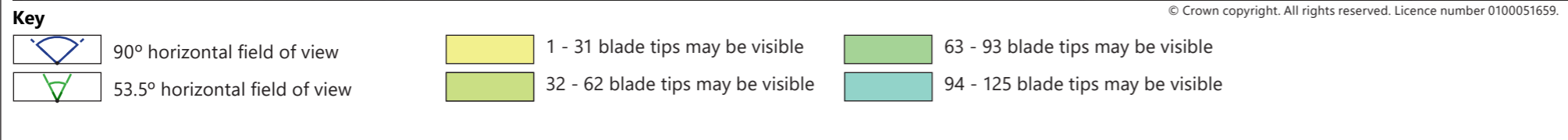
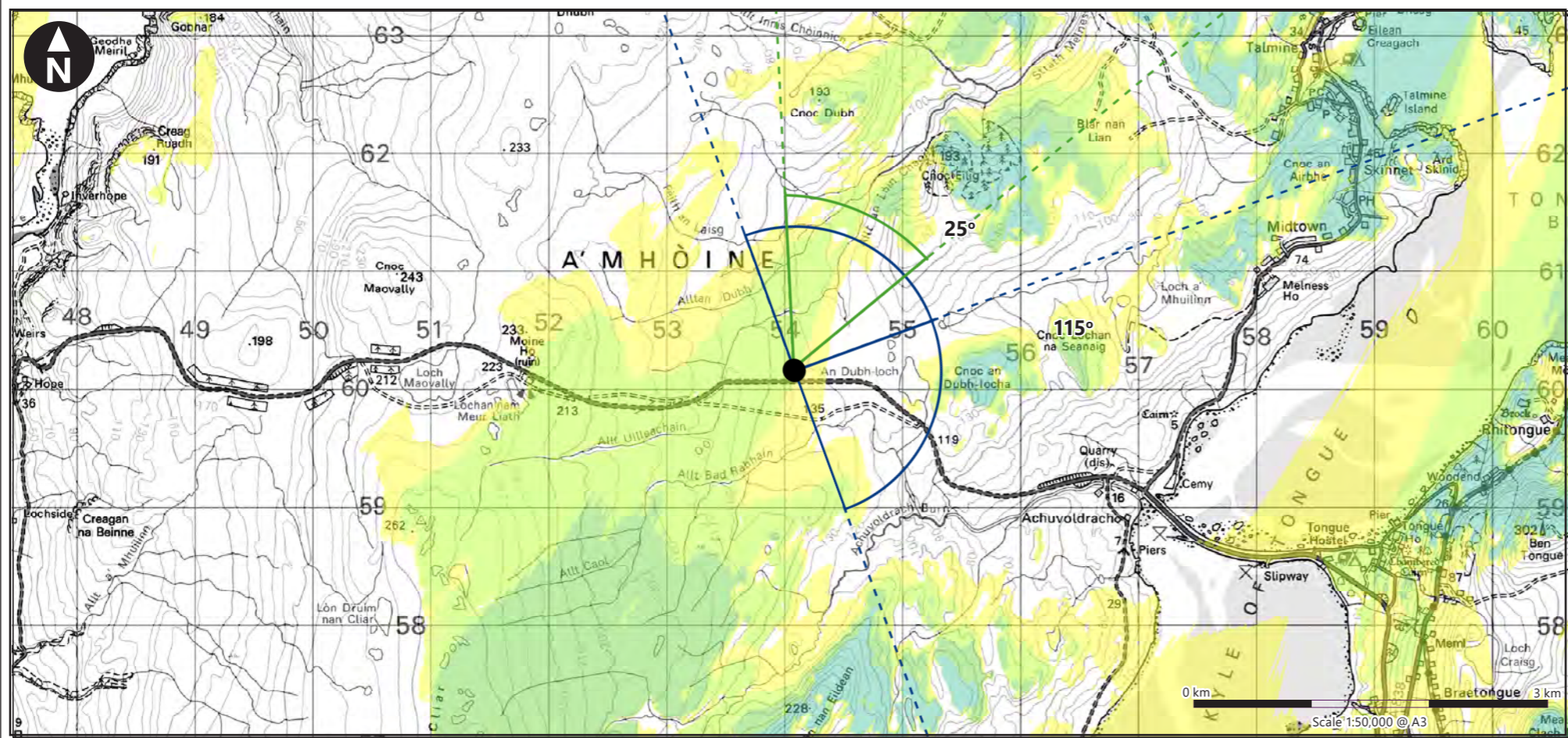
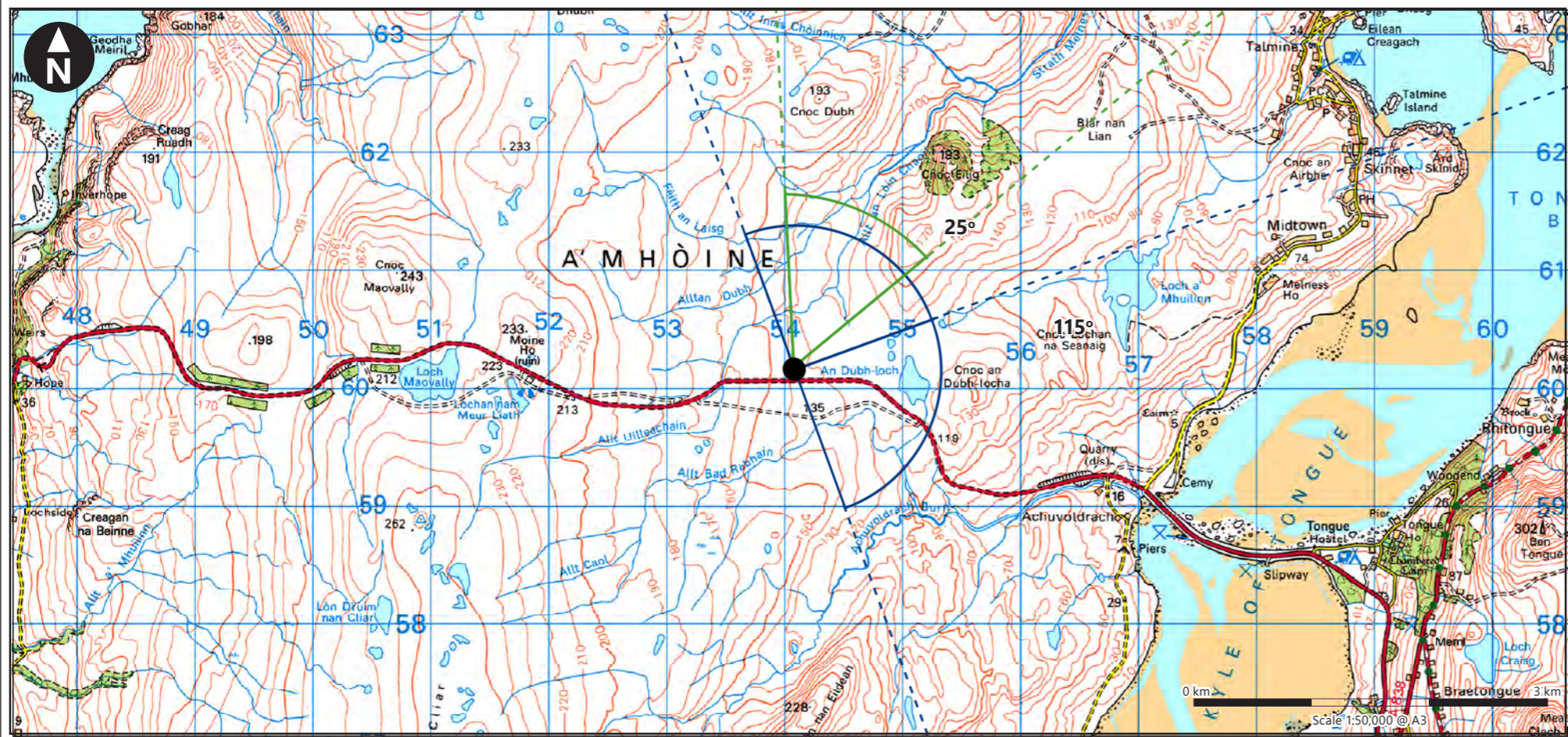
West of Orkney Offshore Wind Farm
EIA Report

Figure 18.VP2g
Viewpoint 2: Ben Hope

July 2023



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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:	25°
Distance to nearest turbine:	31,243 m
Number of blade tips theoretically visible:	62
Number of hubs theoretically visible:	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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- 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.VP3a Viewpoint 3: A838 A'Mhòine	
July 2023	

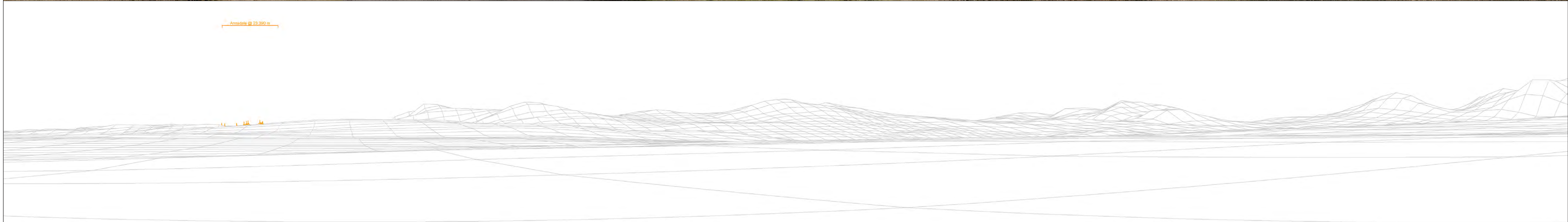
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Southeast view



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:	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:	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





Client		West of Orkney Offshore Wind Farm EIA Report	Figure 18.VP3c Viewpoint 3: A838 A'Mhòine	July 2023	
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104 9 78 62 116 88 69 39 77 103 10 38 68 87 115 76 37 102 67 11 86 36 75 114 101 85 35 74 12 125 113 100

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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

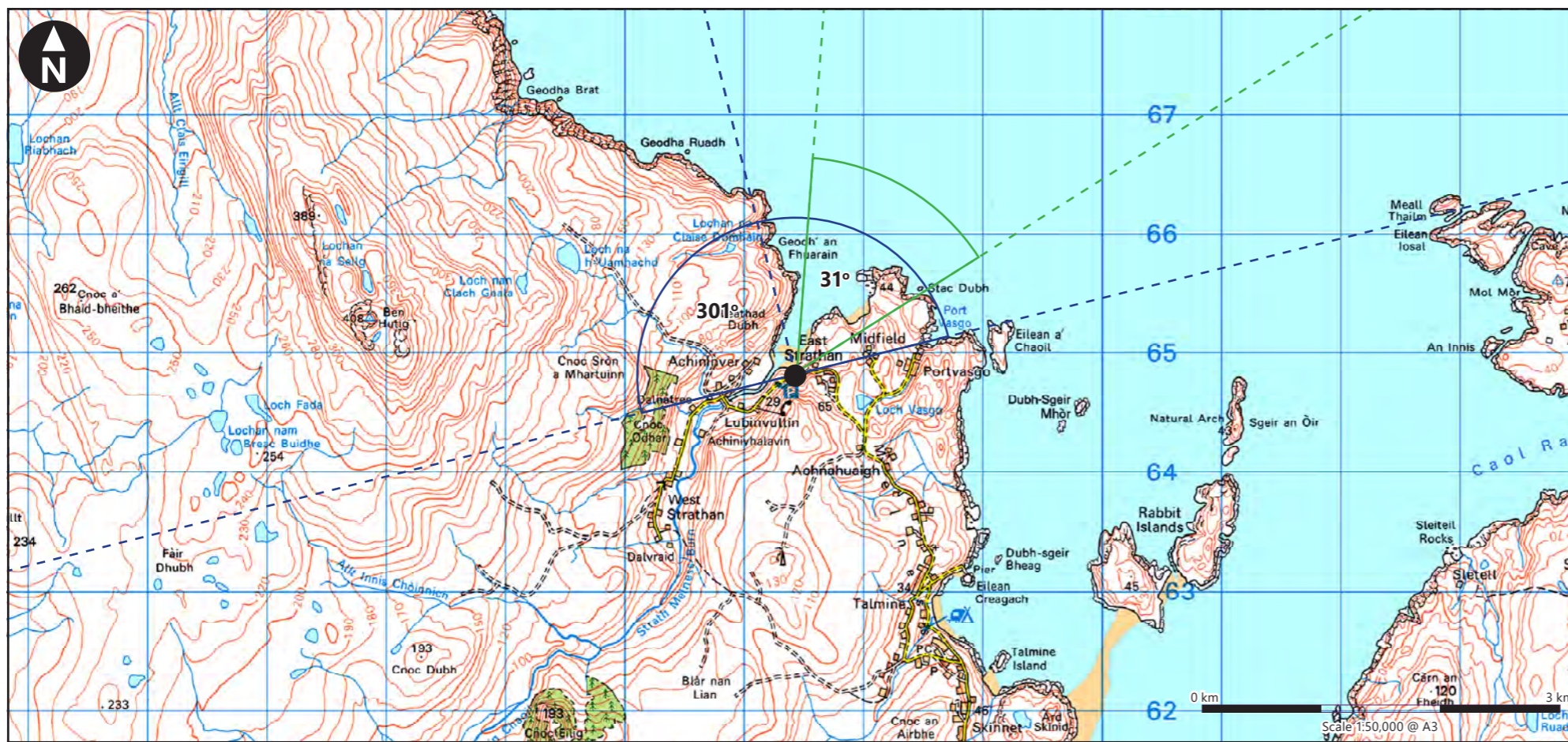


West of Orkney Offshore Wind Farm
EIA Report


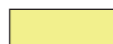




Figure 18.VP3e
Viewpoint 3: A838 A'Mhòine

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:	E257,424, N964,814
Ground Level Elevation:	24.6m AOD
Camera Height:	1.5m AGL
Direction of view to site centre ³ :	27°
Distance to nearest turbine:	26,400 m
Number of blade tips theoretically visible ⁴ :	125
Number of hubs theoretically visible ⁴ :	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).

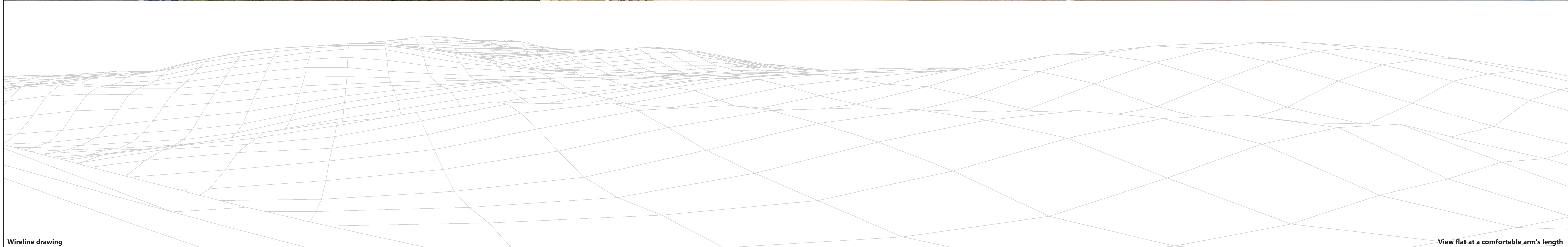


West of Orkney Offshore Wind Farm
EIA Report

Figure 18.VP4a
Viewpoint 4: Achiniver Beach

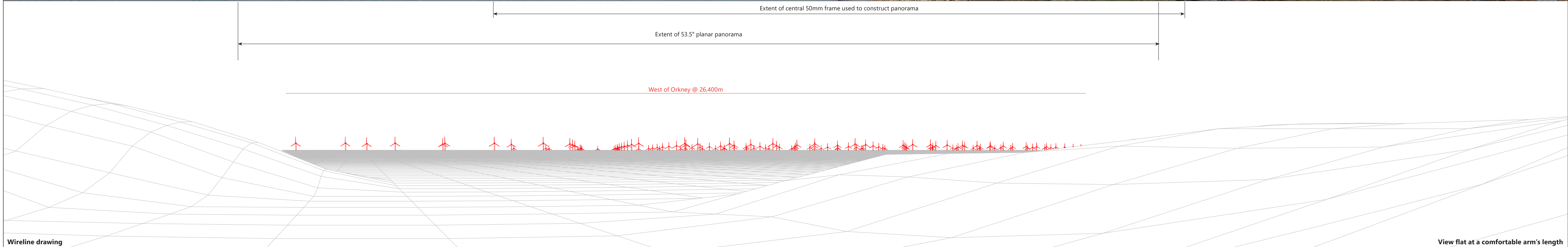
July 2023





Wind Farm Key: West of Orkney Wind Farm Existing Consented Application	OS reference:	E257424, N964,814	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II	Client West of Orkney Windfarm West of Orkney Offshore Wind Farm EIA Report	Figure 18.VP4b Viewpoint 4: Achiniver Beach	July 2023
	Eye level:	26.1m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)			
	Direction of view:	301°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL			
	Nearest turbine:	26,400m	Correct printed image size:	820 x 130mm	Date and time:	30/10/2022 11:17			

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 Originator: wislc03



View flat at a comfortable arm's length

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

OS reference:	E257424, N964,814	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:	31°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	26,400m	Correct printed image size:	820 x 130mm	Date and time:	30/10/2022 11:17

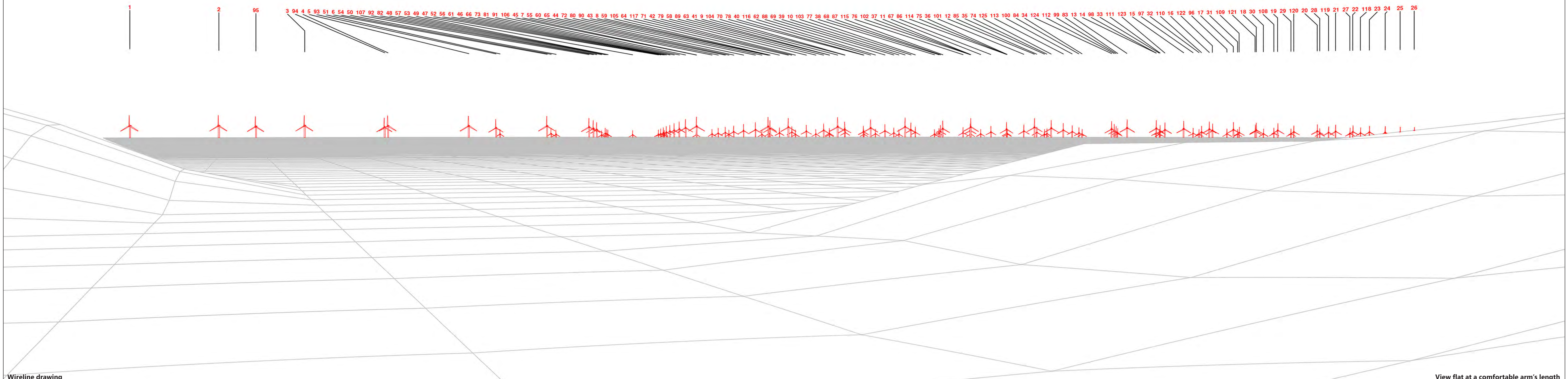
Client West of Orkney Offshore Wind Farm EIA Report

Figure 18.VP4c
Viewpoint 4: Achiniver Beach

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:	E257424, 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

Figure 18.VP4d
Viewpoint 4: Achiniver Beach

July 2023



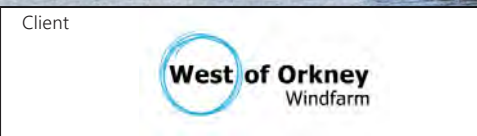
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Originator: whic03



Photomontage

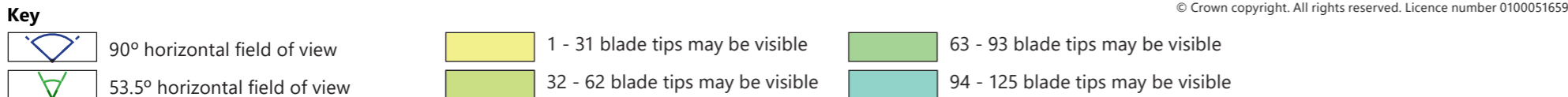
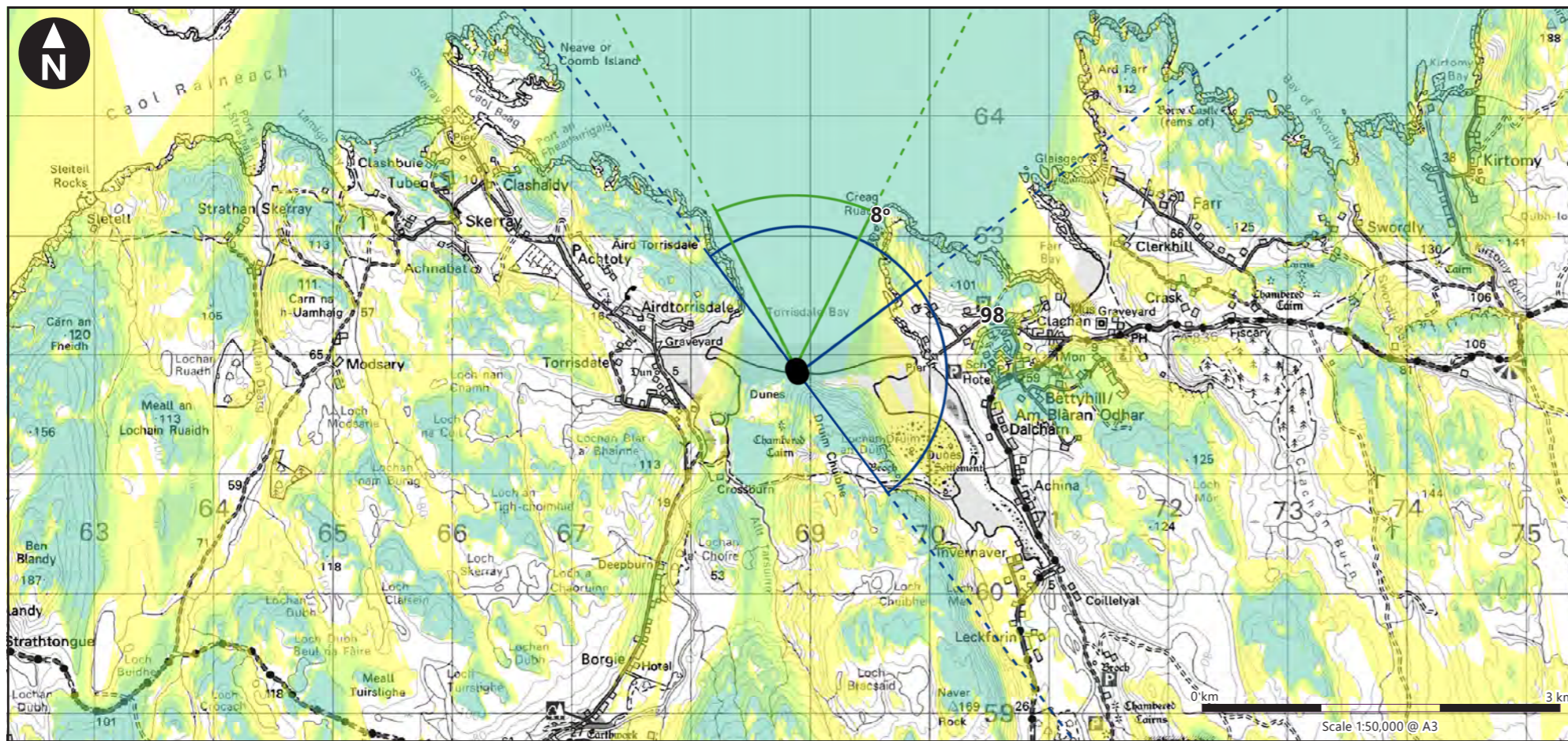
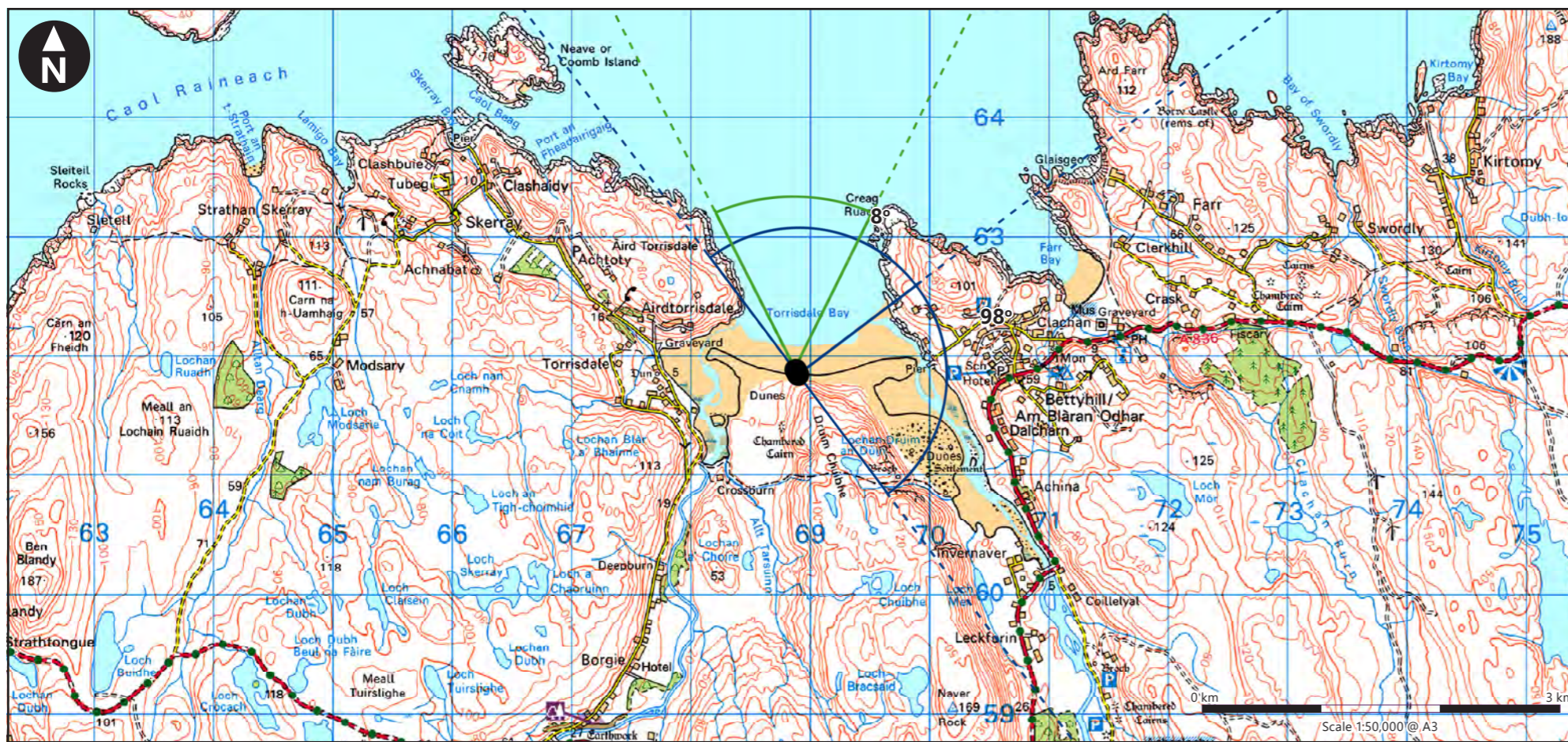
View flat at a comfortable arm's length

OS reference:	E257424, 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

Figure 18.VP4e
Viewpoint 4: Achinver Beach



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 ³ :	8°
Distance to nearest turbine:	29,058m
Number of blade tips theoretically visible ⁴ :	125
Number of hubs theoretically visible ⁴ :	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

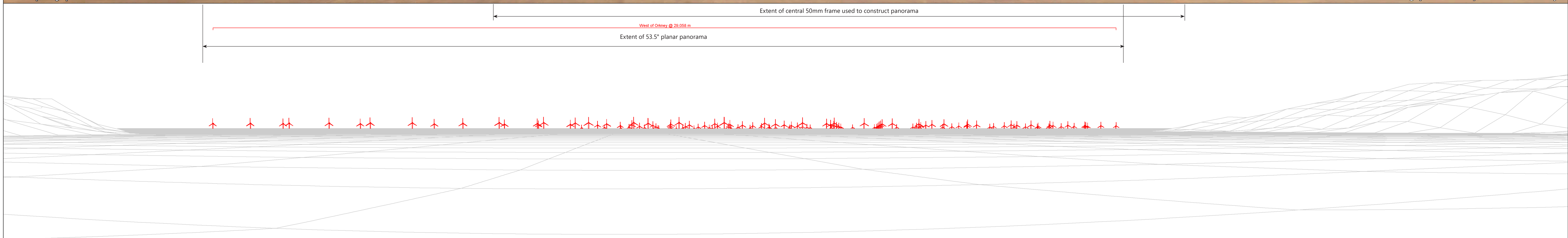
Figure 18.VP5a
Viewpoint 5: Torrisdale Bay

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	Client		West of Orkney Offshore Wind Farm EIA Report	Figure 18.VP5b Viewpoint 5: Torrisdale Bay	
	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					

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South view

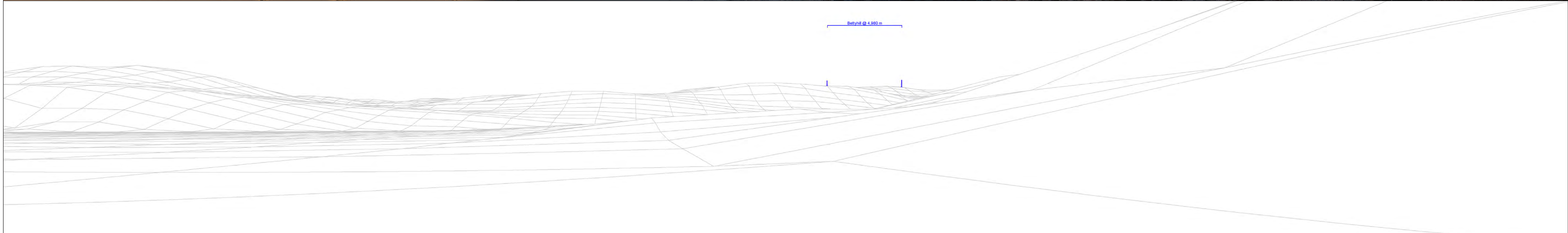
Originator: wils03

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:	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:	98°	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

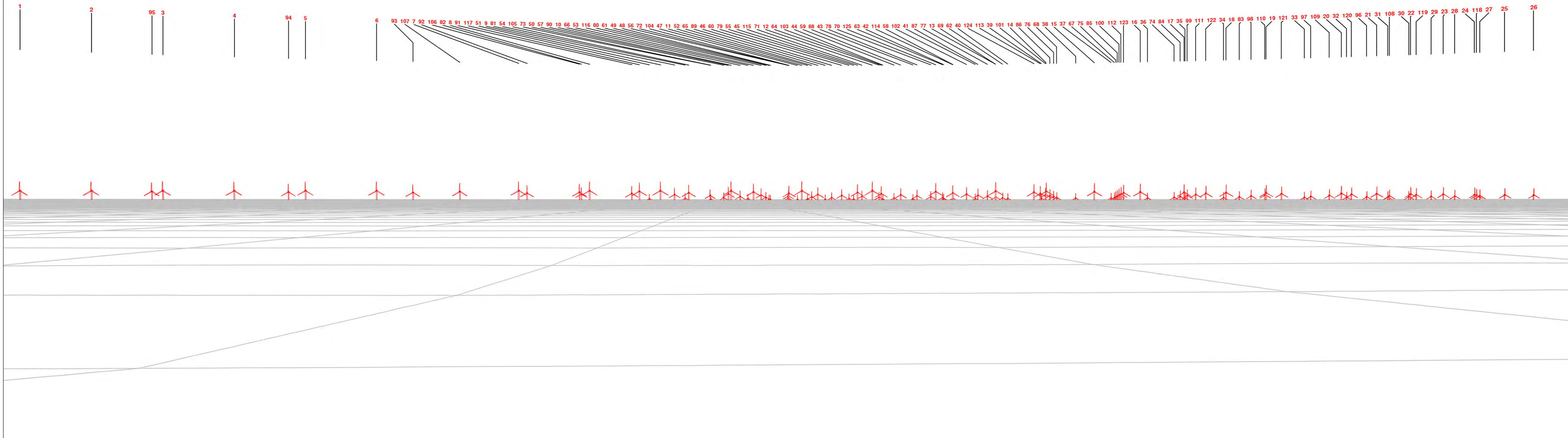
Figure 18.VP5c
Viewpoint 5: Torrisdale Bay

July 2023



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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

View flat at a comfortable arm's length

July 2023



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Originator: wils03



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

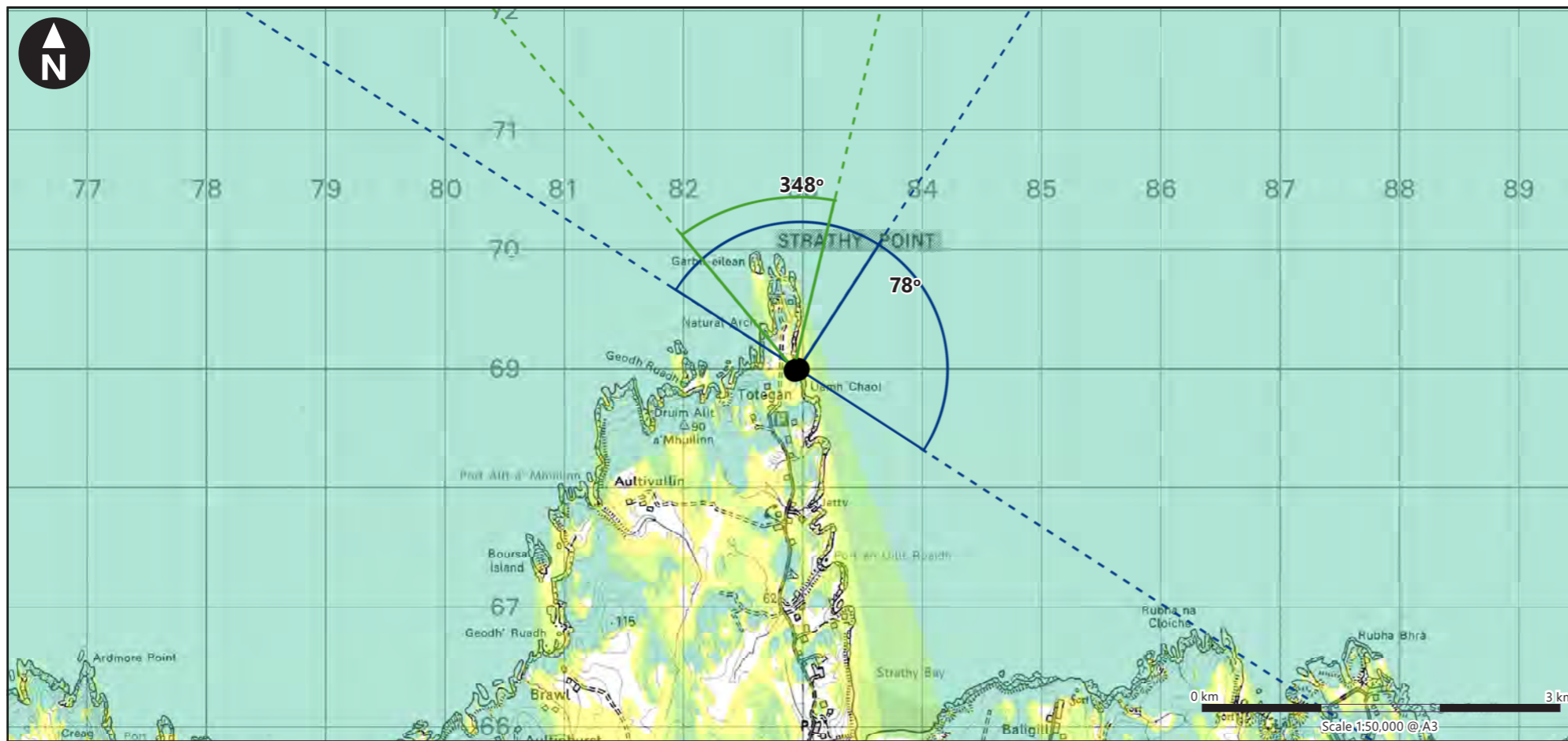
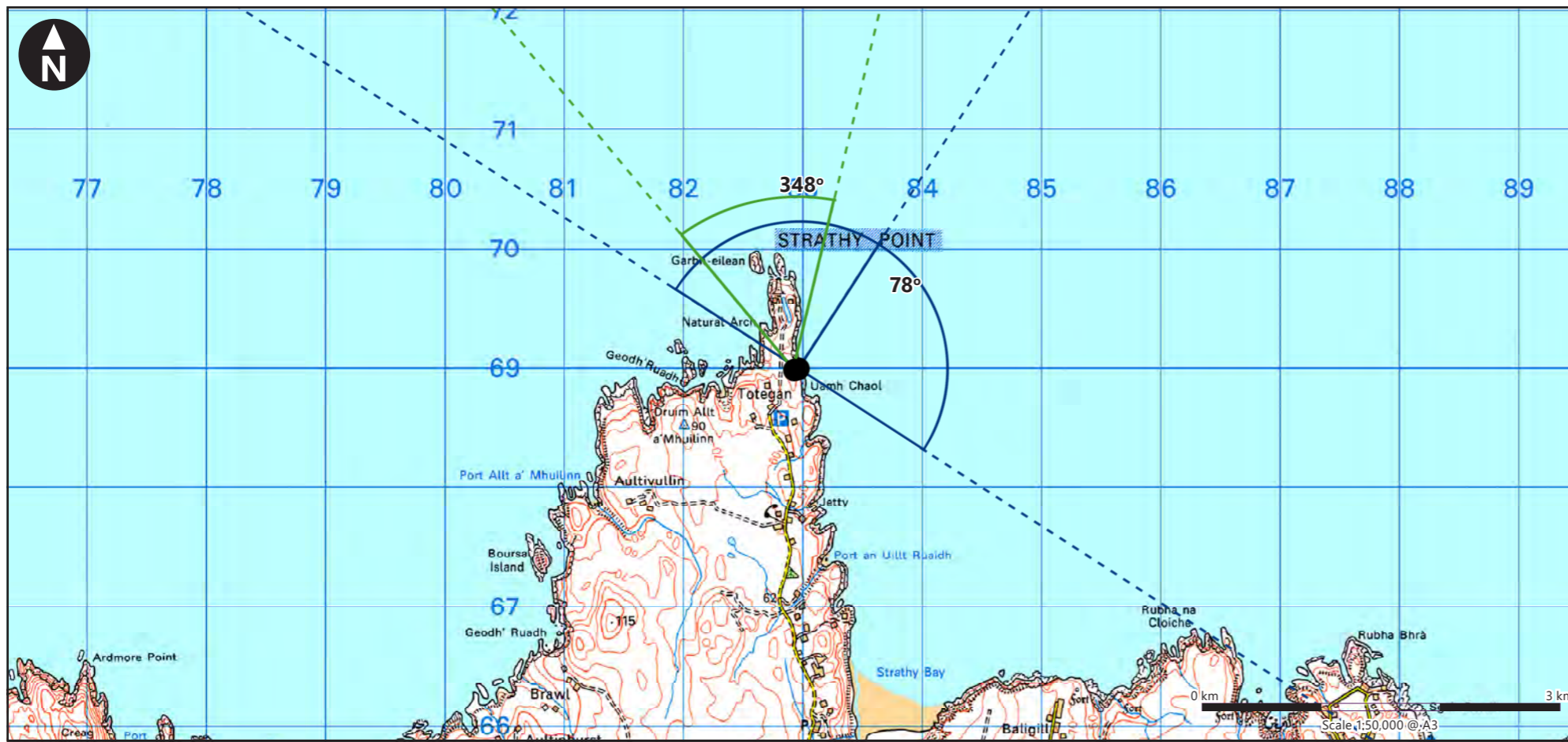


West of Orkney Offshore Wind Farm
EIA Report


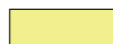




Figure 18.VP5e
Viewpoint 5: Torrissdale Bay

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 |

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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 ³ :	348°
Distance to nearest turbine:	24,246m
Number of blade tips theoretically visible ⁴ :	125 ⁵
Number of hubs theoretically visible ⁴ :	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;
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- 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

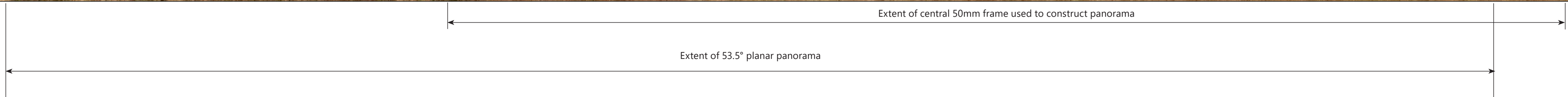
July 2023



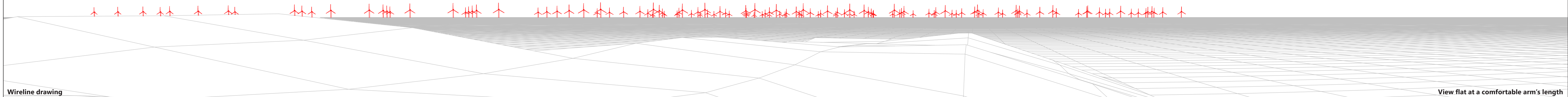


Baseline photograph

This image provides landscape and visual context only



West of Orkney @ 24,246m



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:	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:	348°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	24,246 m	Correct printed image size:	820 x 130mm	Date and time:	29/10/2022 13:22

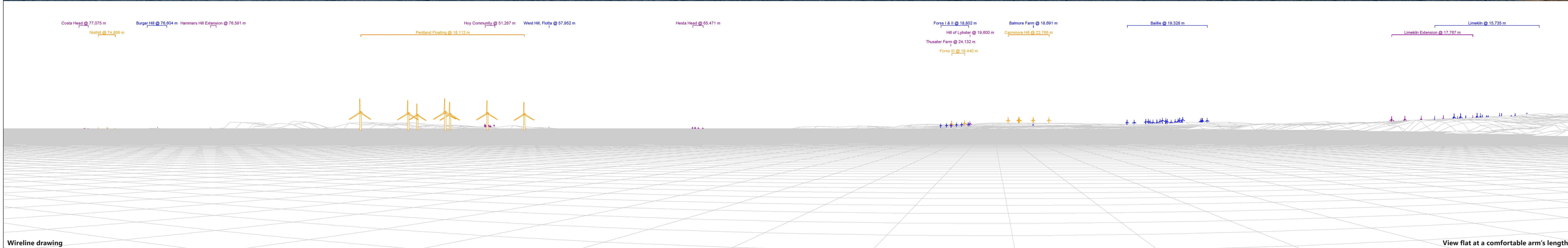
Client		West of Orkney Offshore Wind Farm EIA Report	Figure 18.VP6b Viewpoint 6: Strathy Point	
			July 2023	

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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:	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:	78°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	24,246 m	Correct printed image size:	820 x 130mm	Date and time:	29/10/2022 13:22



Client
West of Orkney Offshore Wind Farm
EIA Report

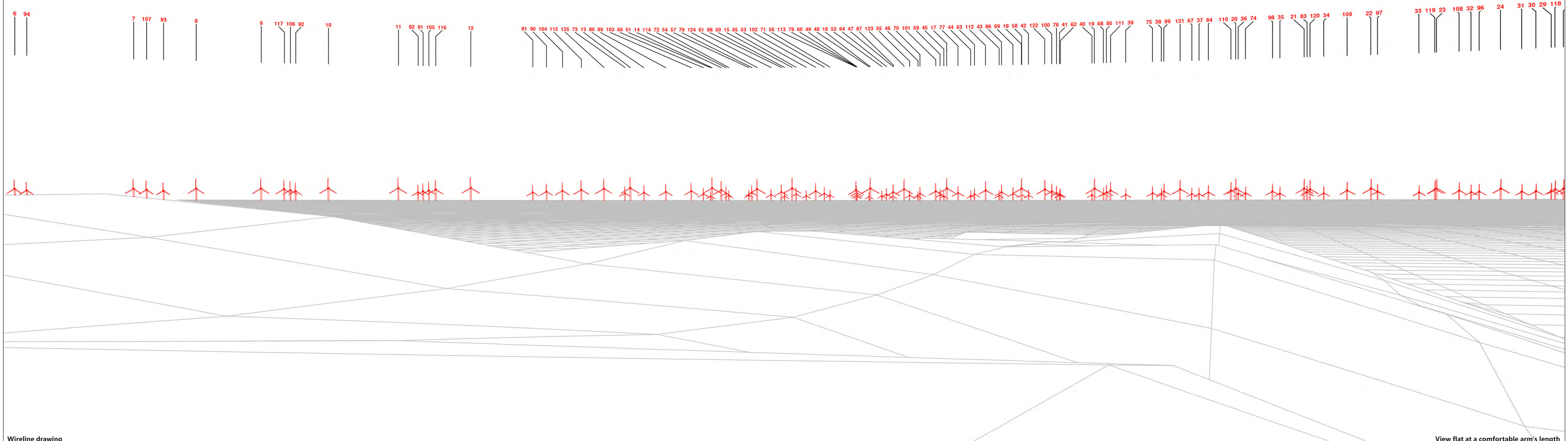
Figure 18.VP6c
Viewpoint 6: Strathy Point

July 2023



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Z:\Projects\853781 West of Orkney Offshore Wind Farm\Deliver Stage\0 Design Technical\WinDesign\2023-07 Extra\VP6 WS Strathy Point 853781-FG-SA-0011_R4.indd Originator: wilsc03



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: Strathy 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



Z:\Projects\853781 West of Orkney Offshore Wind Farm\Deliverables\Stage03 Design_Technical\inDesign\2023_07 Extra\VP6 NS Strathly Point 853781-F6-S4-00011_R4.indd Originator: wilsc03



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

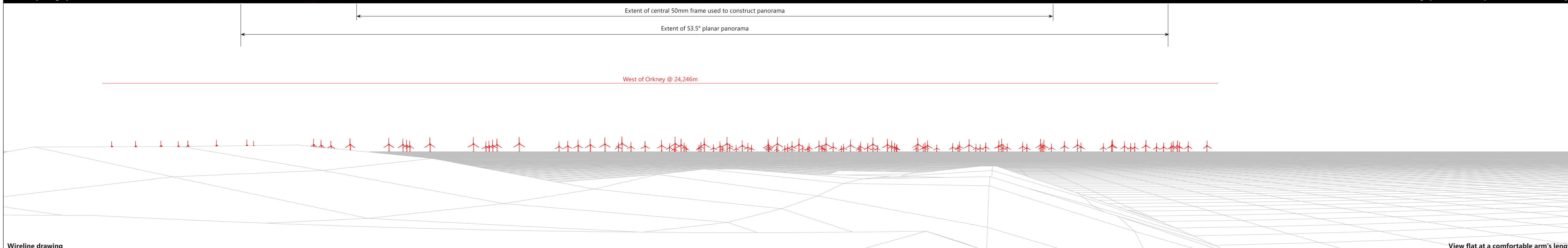
Figure 18.VP6f
Viewpoint 6: Strathly Point

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 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



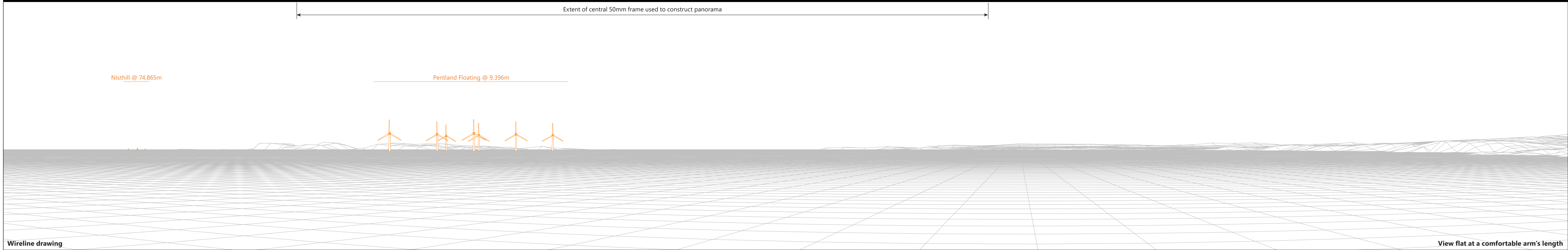
Client
West of Orkney Offshore Wind Farm
EIA Report

Figure 18.VP6g
Viewpoint N6: Strathy Point

February 2023



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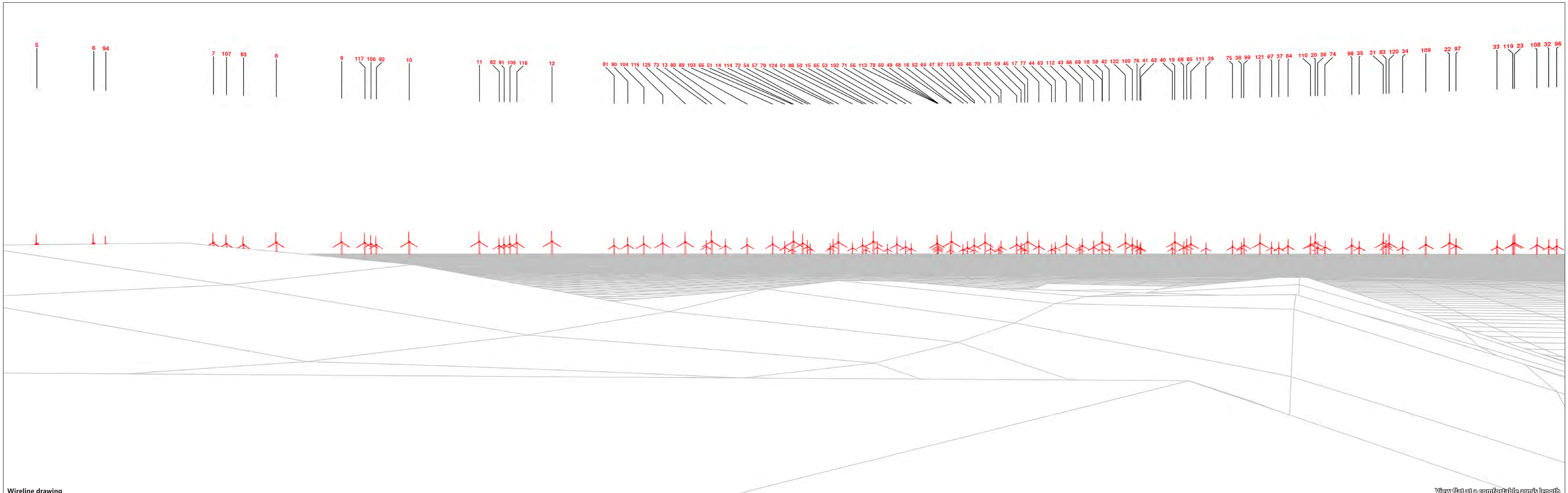
Wind Farm Key: West of Orkney Wind Farm Lit Consented Wind Farms Lit Application Wind Farms

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	Figure 18.VP6h Viewpoint N6: Strathy Point	February 2023	
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Originator: wisc03



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



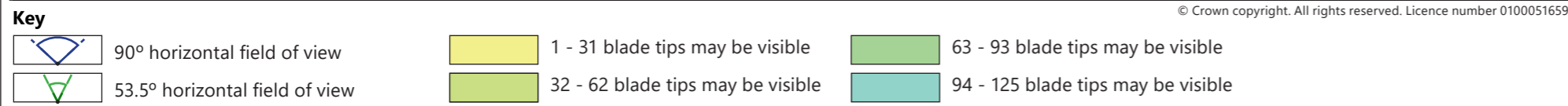
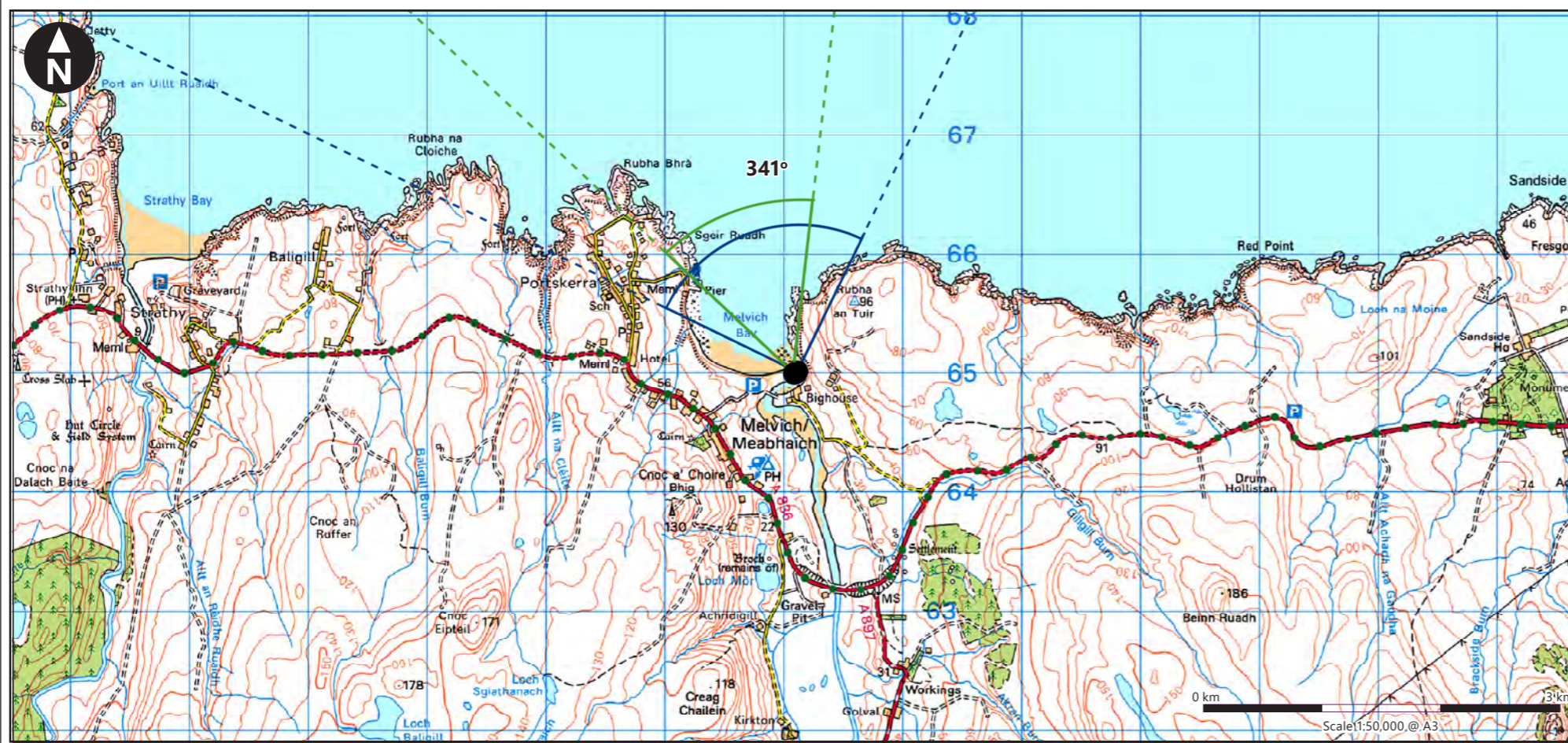
West of Orkney Offshore Wind Farm
EIA Report

Figure 18.VP6j
Viewpoint N6: Strathy Point

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 ³ :	341°
Distance to nearest turbine:	30,518m
Number of blade tips theoretically visible ⁴ :	125
Number of hubs theoretically visible ⁴ :	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:

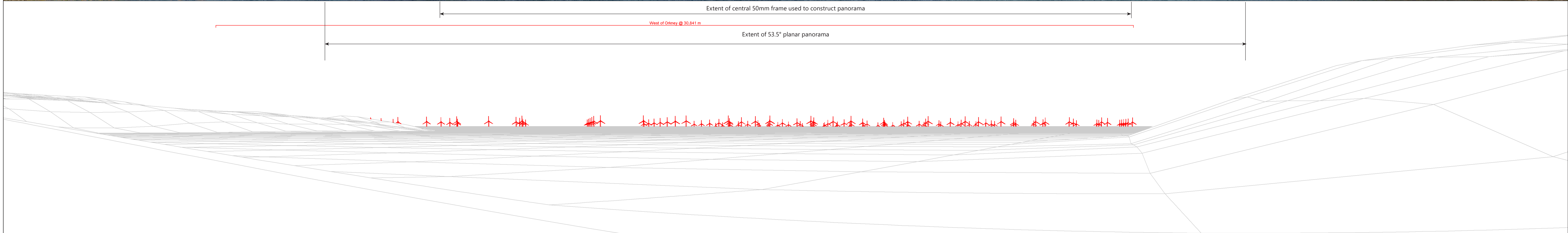
- A visualisation can never show exactly what the wind farm will look like in reality due to factors such as: different lighting, weather and seasonal conditions which vary through time and the resolution of the image;
- The images provided give a reasonable impression of the scale of the turbines and 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	

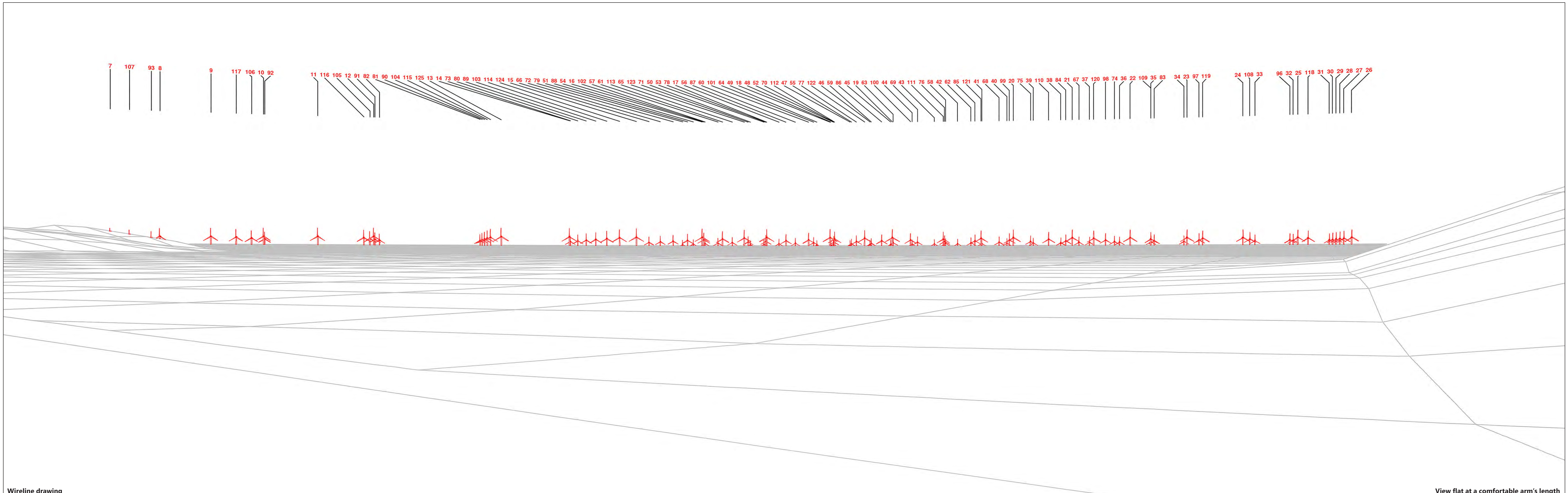
© Crown copyright. All rights reserved. Licence number 0100051659.



Wind Farm Key: West of Orkney Wind Farm Existing Consented Application	OS reference: E289,094, N964,981 Eye level: 4.2m AOD Direction of view: 341° Nearest turbine: 30,518 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 12:17	Client: 	West of Orkney Offshore Wind Farm EIA Report	Figure 18.VP7b Viewpoint 7: Melvich Beach	July 2023	
	View flat at a comfortable arm's length							

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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

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:	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

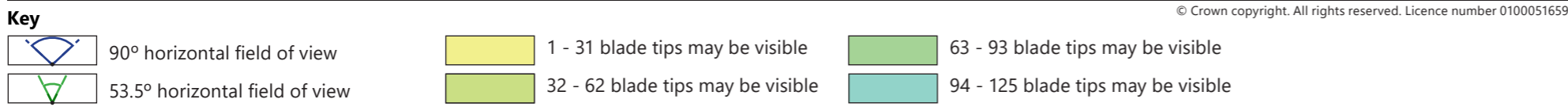
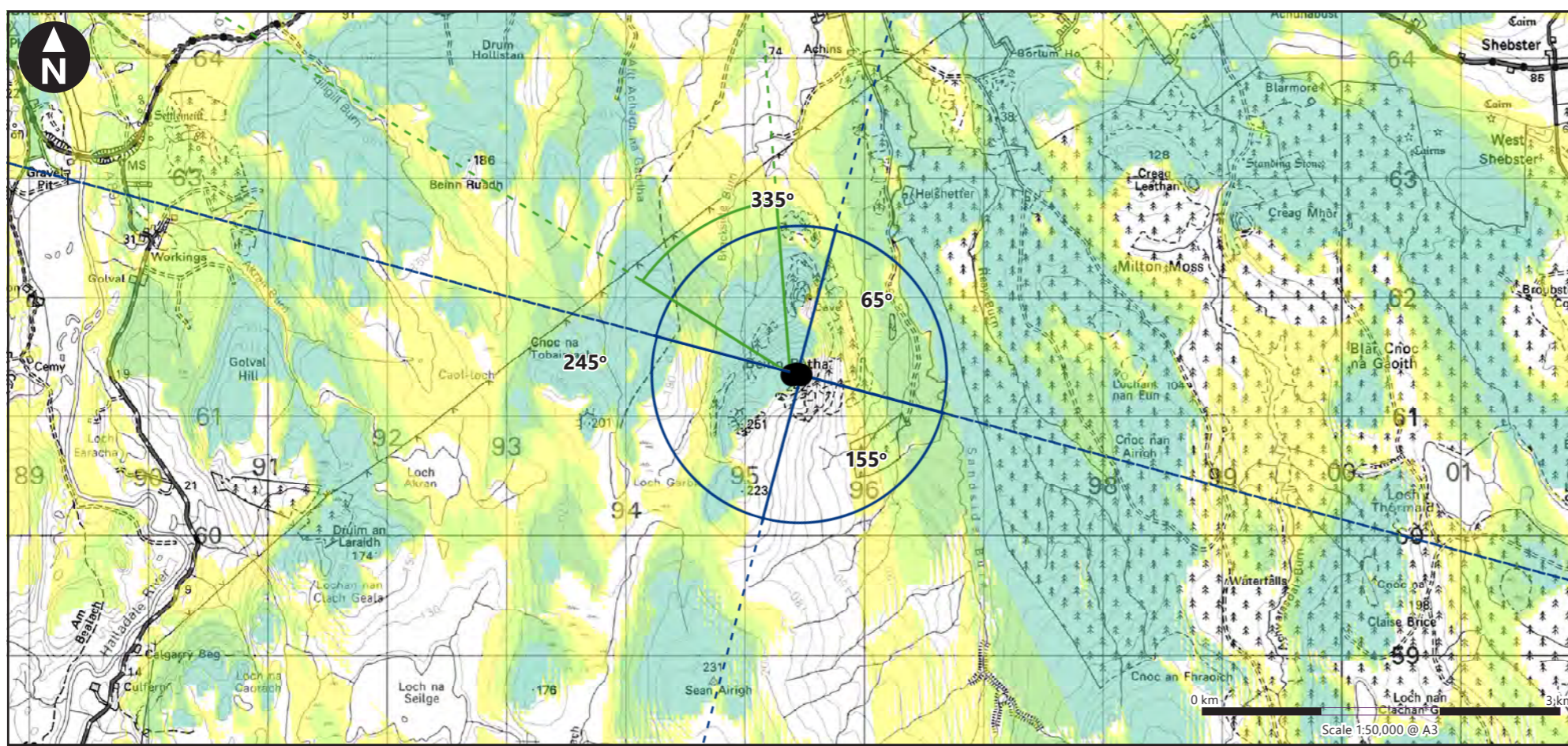
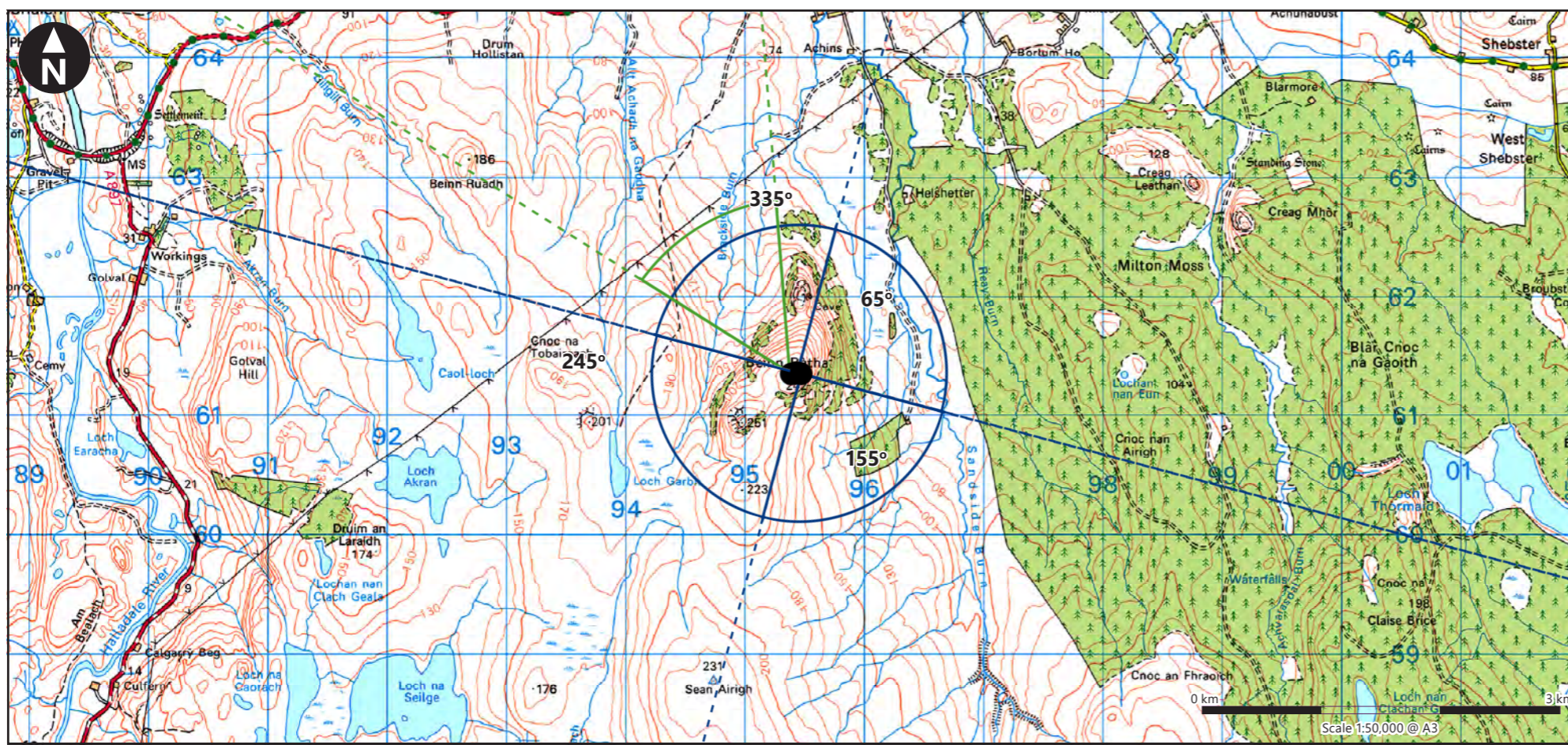


West of Orkney Offshore Wind Farm
EIA Report

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 ³ :	330°
Distance to nearest turbine:	36,951m
Number of blade tips theoretically visible ⁴ :	125
Number of hubs theoretically visible ⁴ :	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:

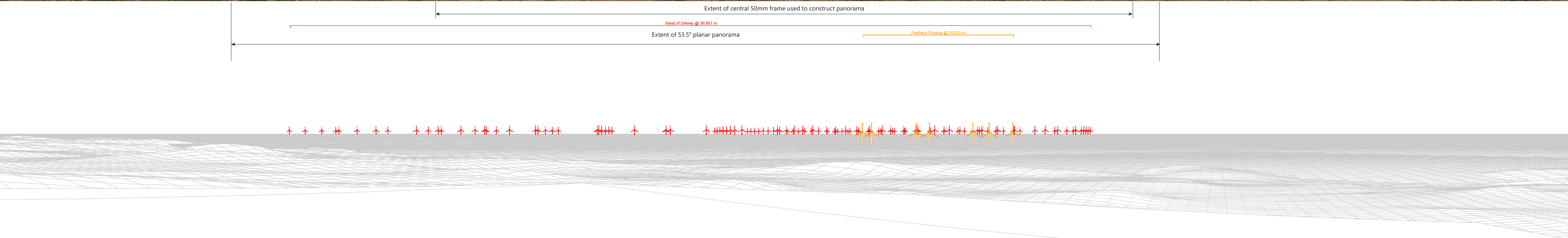
- A visualisation can never show exactly what the wind farm will look like in reality due to factors such as: different lighting, weather and seasonal conditions which vary through time and the resolution of the image;
- The images provided give a reasonable impression of the scale of the turbines and 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	



View flat at a comfortable arm's length

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

OS reference:	E295.427, N961.313	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	235.7m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	335°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	36,951 m	Correct printed image size:	820 x 130mm	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

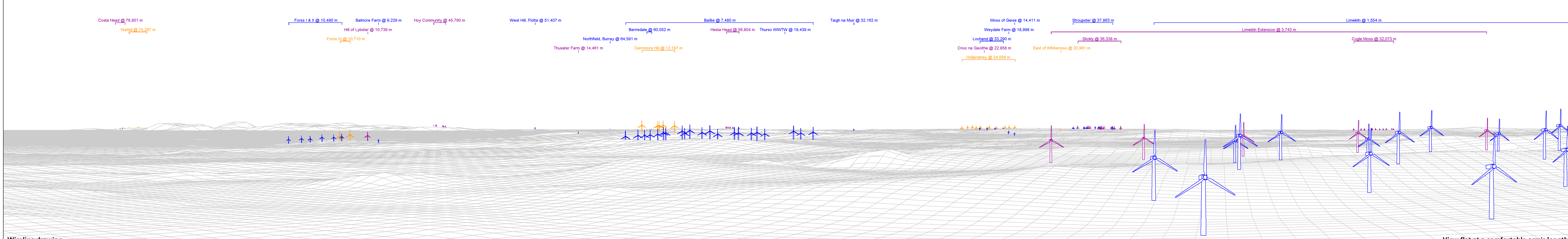


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Northeast view

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:	E295.427, N961.313	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	235.7m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	65°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	36,951 m	Correct printed image size:	820 x 130mm	Date and time:	18/05/2022 13:15

	<p>Client</p> <p>West of Orkney Offshore Wind Farm EIA Report</p>	<p>Figure 18.VP8c Viewpoint 8: Beinn Ratha</p>	
		<p>July 2023</p>	

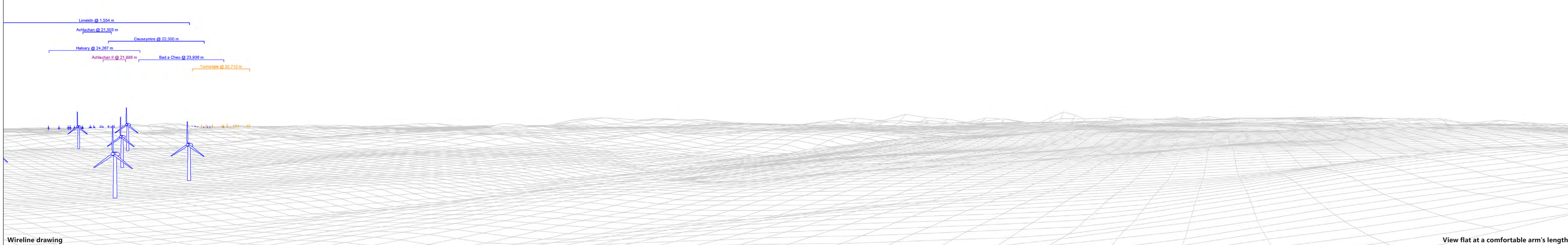
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Southeast view



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:	E295.427, N961.313	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	235.7m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	155°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	36,951 m	Correct printed image size:	820 x 130mm	Date and time:	18/05/2022 13:15

	Client	West of Orkney Offshore Wind Farm EIA Report	Figure 18.VP8d Viewpoint 8: Beinn Ratha	

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 Originator: wils03

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:	E295.427, N961.313	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	235.7m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	245°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	36,951 m	Correct printed image size:	820 x 130mm	Date and time:	18/05/2022 13:15

Client		West of Orkney Offshore Wind Farm EIA Report	Figure 18.VP8e Viewpoint 8: Beinn Ratha	July 2023	
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View flat at a comfortable arm's length

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1 2 3 95 4 5 6 94 7 107 8 93 9 117 10 106 92 11 12 116 105 91 82 125 13 115 104 90 81 14 73 80 89 103 124 114 15 16 66 72 79 88 102 113 123 17 51 54 57 61 65 71 78 18 87 101 50 53 112 56 122 60 64 19 70 77 49 52 86 48 55 100 47 59 111 46 63 69 45 121 76 44 20 85 43 58 99 42 62 21 68 41 110 75 40 120 39 84 22 38 98 67 37 109 74 23 36 83 119 35 24 97 34 108 25 33 118 96 32 26 27 28 29 30 31

Pentland Floating @ 16,925m



Wireline drawing

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

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.VP8f
Viewpoint 8: Beinn Ratha

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:	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



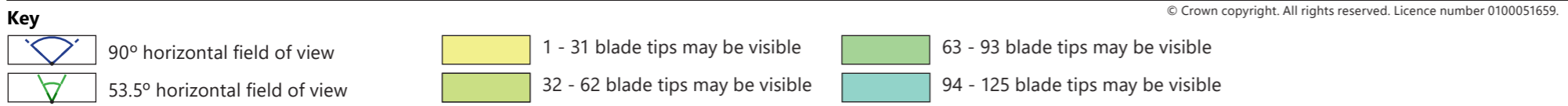
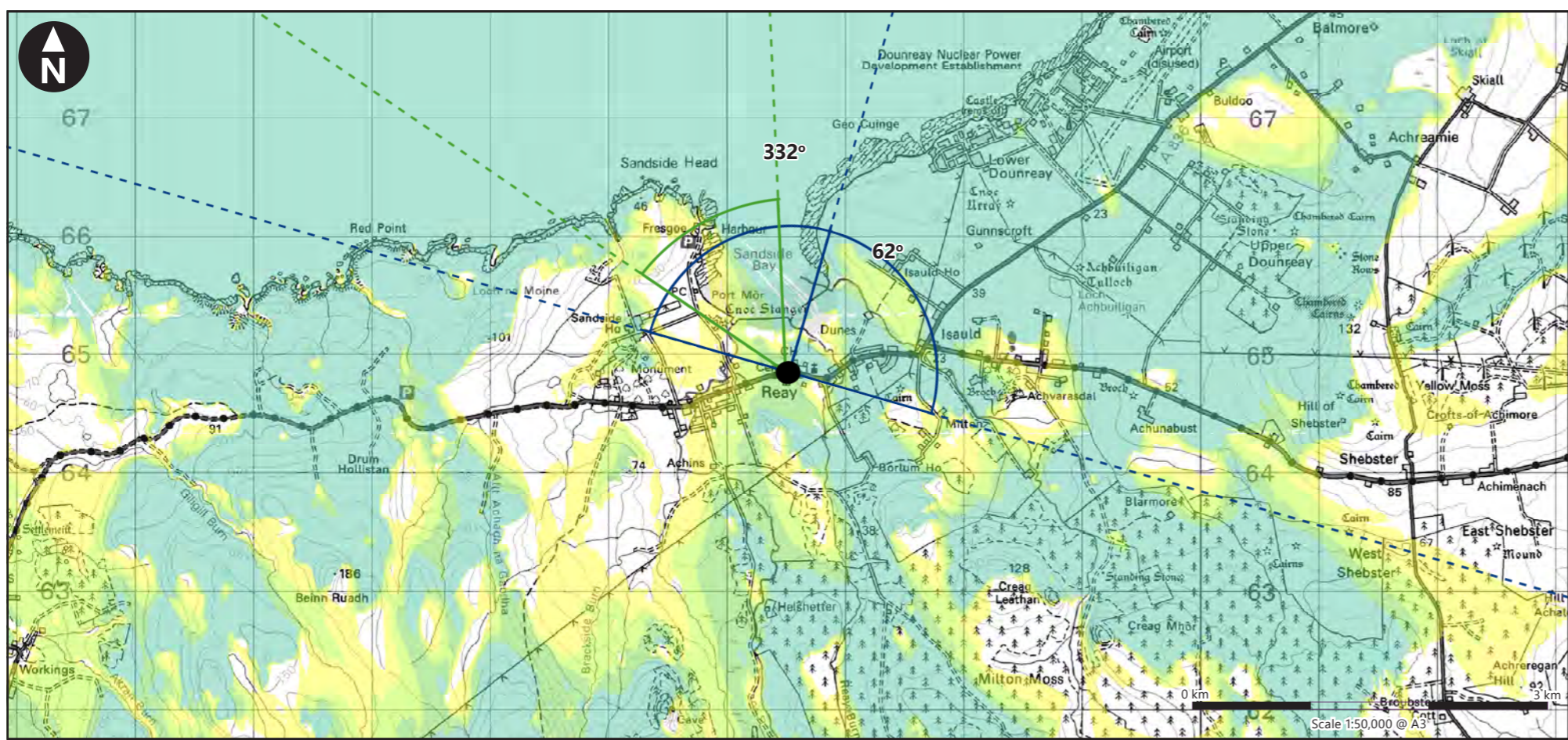
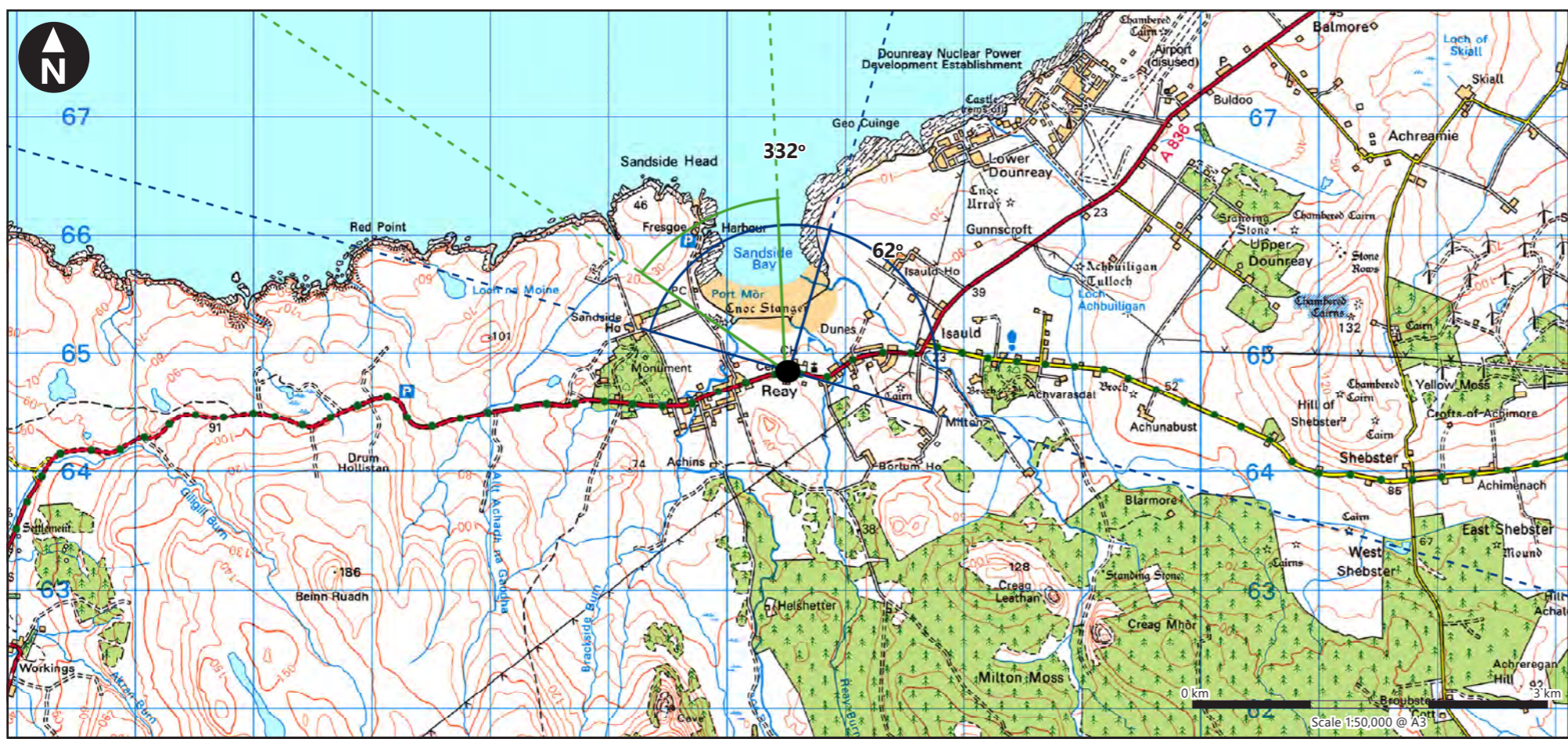
West of Orkney Offshore Wind Farm
EIA Report

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 ³ :	332°
Distance to nearest turbine:	34,608m
Number of blade tips theoretically visible ⁴ :	125
Number of hubs theoretically visible ⁴ :	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

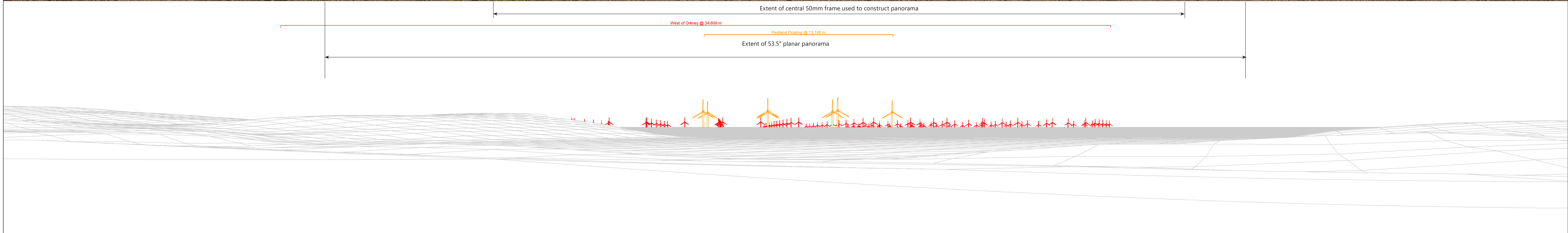


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Baseline photograph

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:	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

Figure 18.VP9b
Viewpoint 9: A836, Reay Kirk, Sandside Bay

July 2023



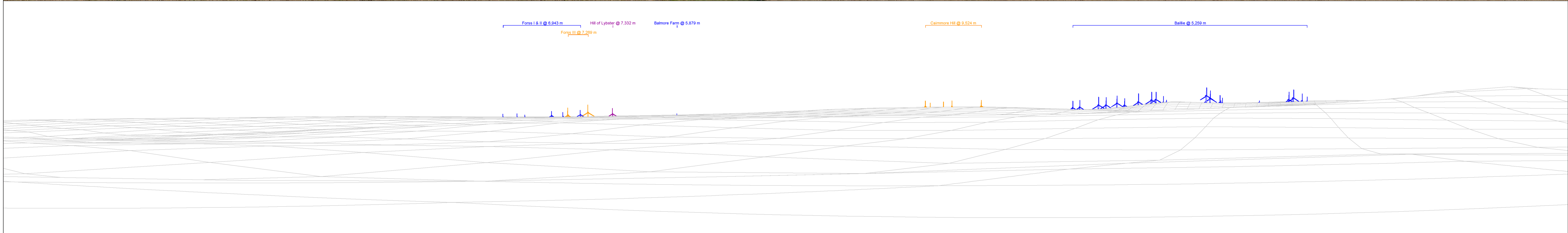
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Northeast view



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:	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:	62°	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

Figure 18.VP9c
Viewpoint 9: A836, Reay Kirk, Sandside Bay

July 2023







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13 125 115 104 90 81 14 124 15 114 103 89 80 73 16 123 113 102 88 79 72 66 17 18 51 54 57 61 65 71 78 87 101 112 122 19 50 53 56 60 64 70 77 86 100 49 52 111 55 48 121 59 47 63 20 46 69 76 45 85 44 99 21 58 43 110 62 42 68 120 41 75 22 40 84 39 98 38 67 23 109 37 74 119 36 83 24 35 97 34 108 25 118 33 96 26 32 27 28 29 30 31

Pentland Floating @ 13,196m

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Wireline drawing

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

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.VP9d
Viewpoint 9: A836, Reay Kirk, Sandside 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:	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



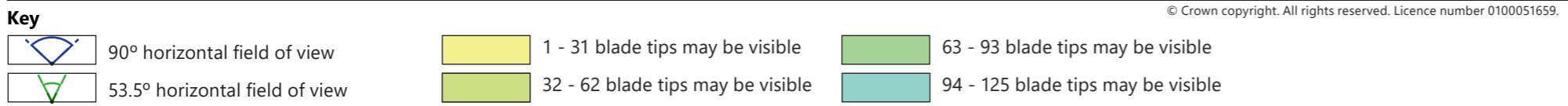
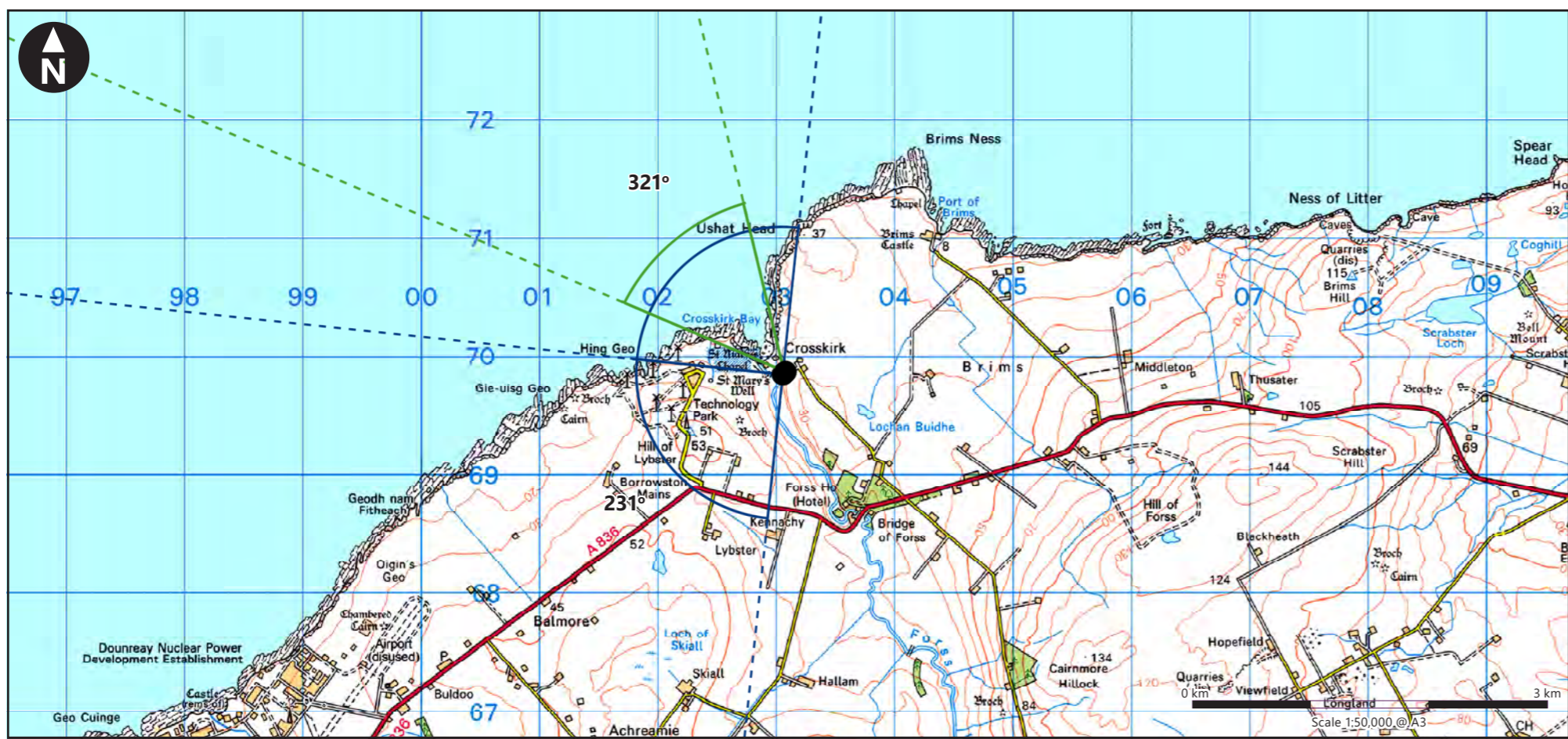
West of Orkney Offshore Wind Farm
EIA Report

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

July 2023



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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 ³ :	321°
Distance to nearest turbine:	33,745m
Number of blade tips theoretically visible ⁴ :	125
Number of hubs theoretically visible ⁴ :	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;
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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.VP10a
Viewpoint 10: Crosskirk, St. Mary's Chapel

July 2023



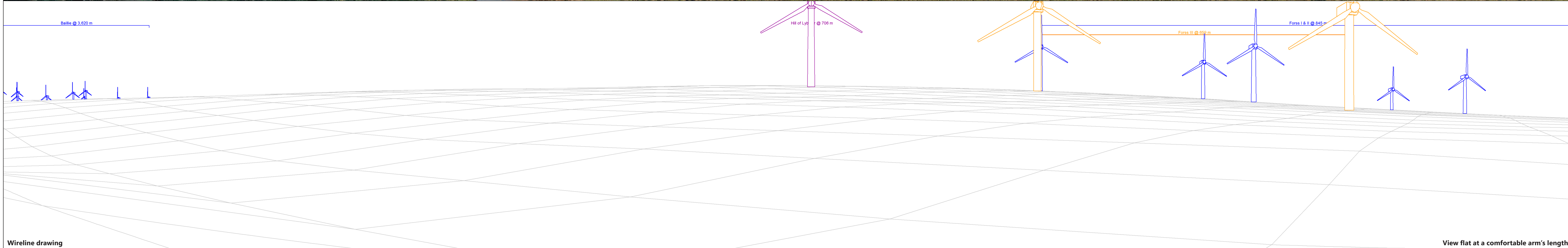
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Southwest view



Baseline photograph

This image provides landscape and visual context only



Wireline drawing

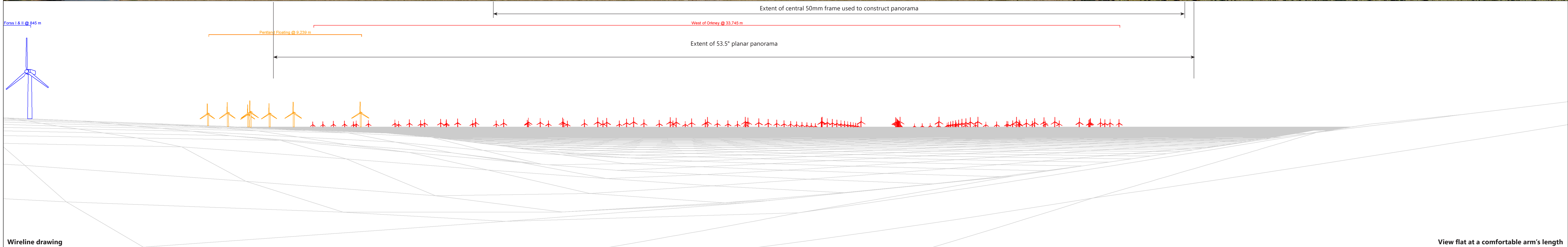
View flat at a comfortable arm's length

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

OS reference:	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	Figure 18.VP10b Viewpoint 10: Crosskirk, St. Mary's Chapel	
				July 2023

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 Originator: wisc03



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:	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

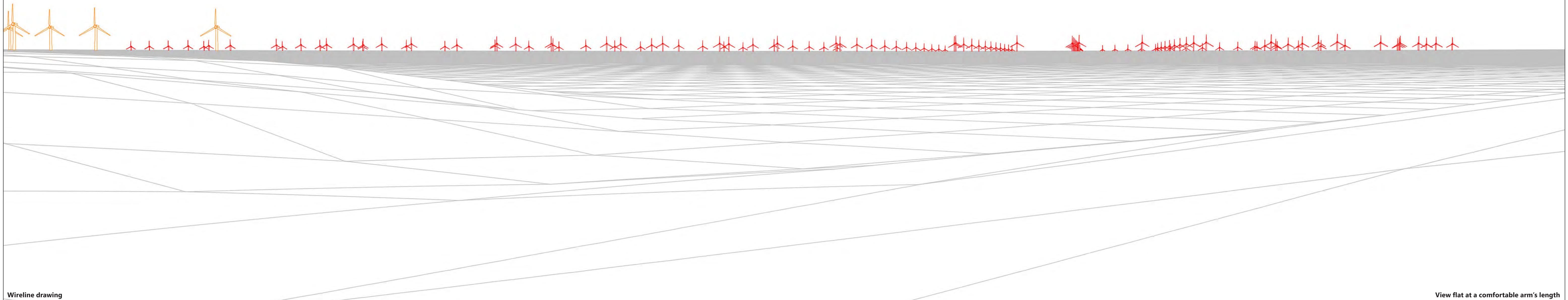
	Client	West of Orkney Offshore Wind Farm EIA Report	Figure 18.VP10c Viewpoint 10: Crosskirk, St. Mary's Chapel	
	July 2023			

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 Originator: wis03

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Pentland Floating @ 9,239m



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



Client
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



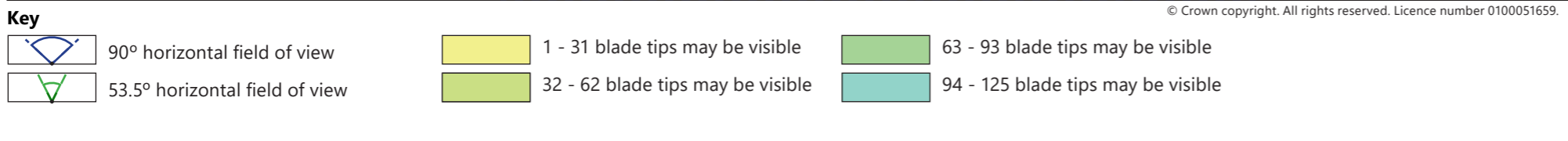
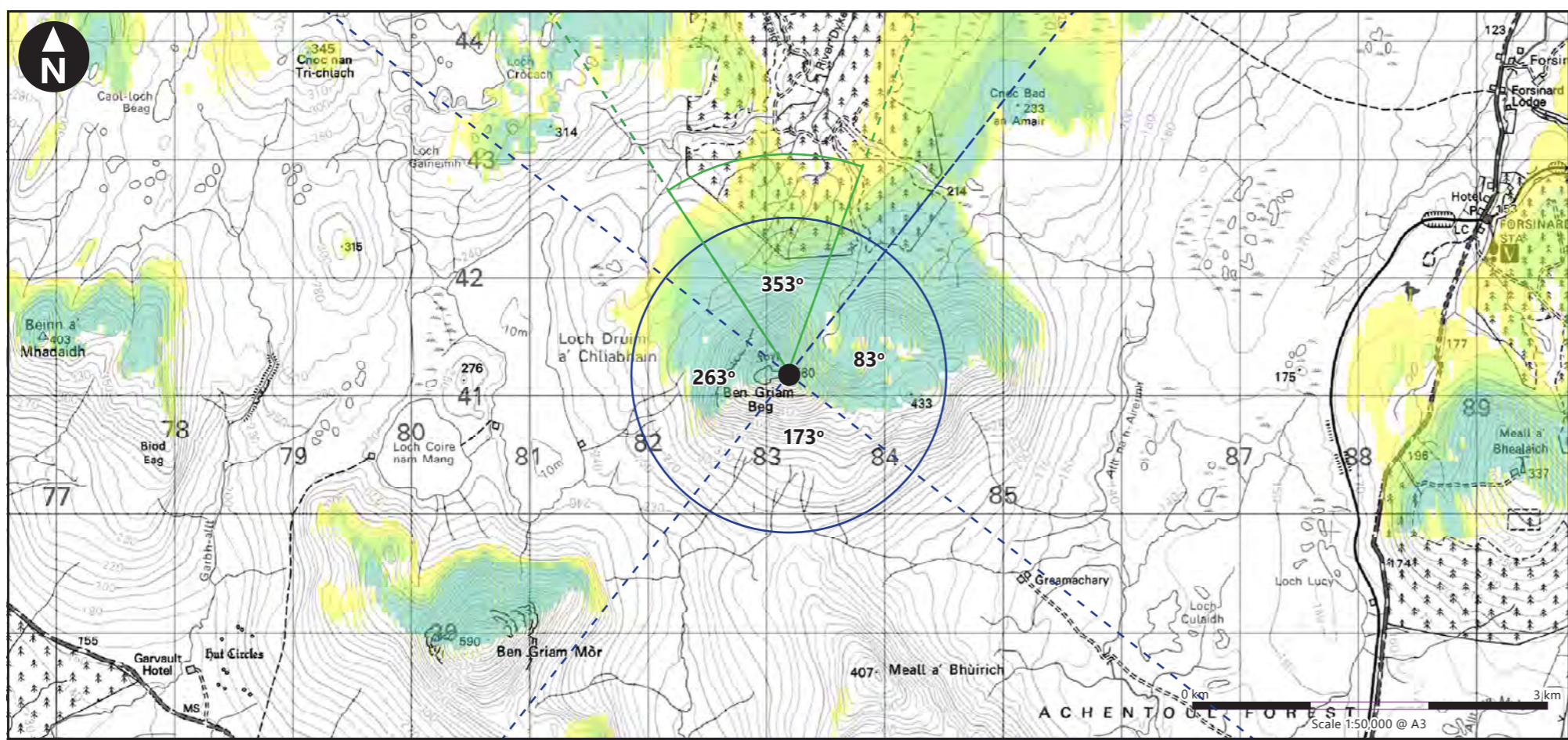
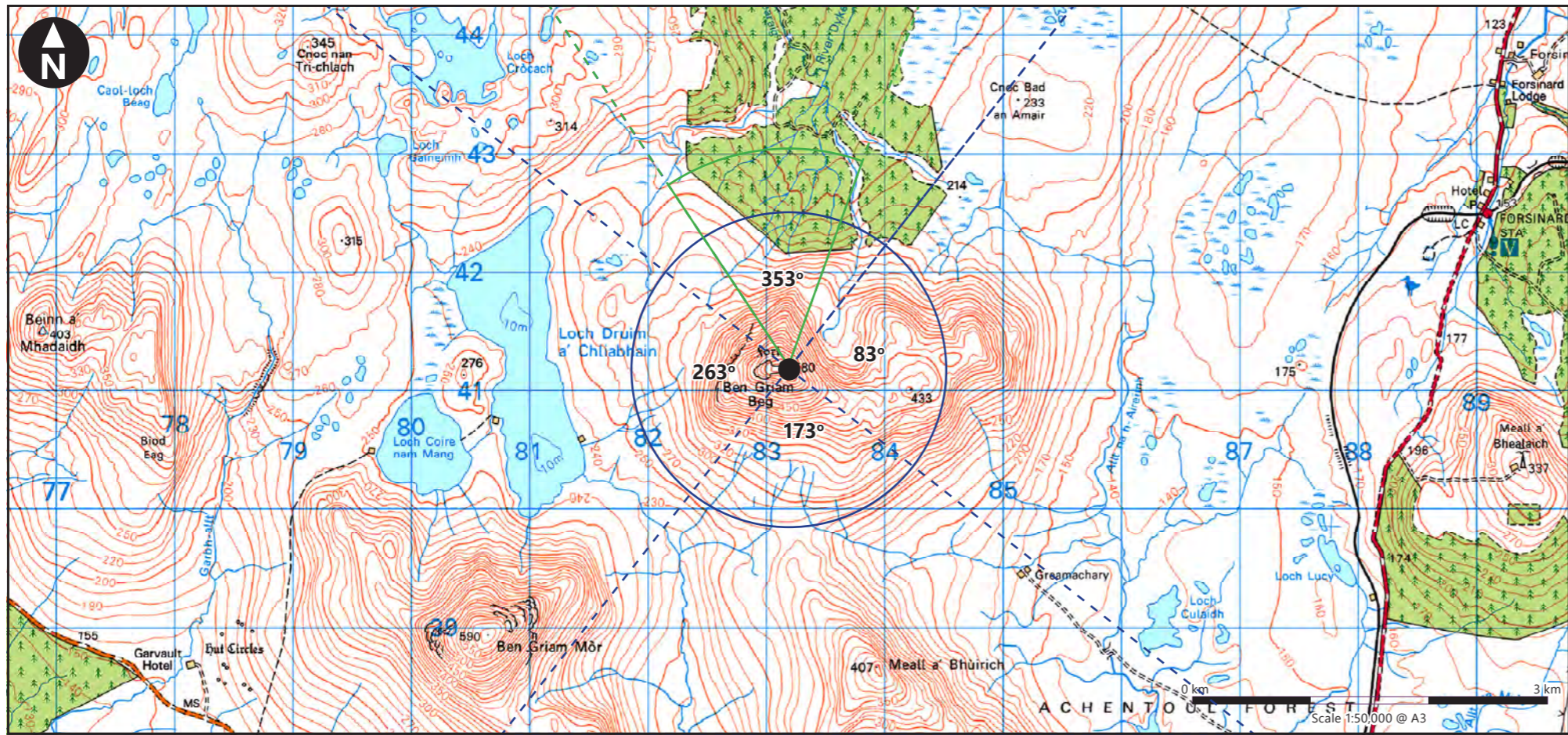
West of Orkney Offshore Wind Farm
EIA Report

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

July 2023



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Viewpoint Parameters

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

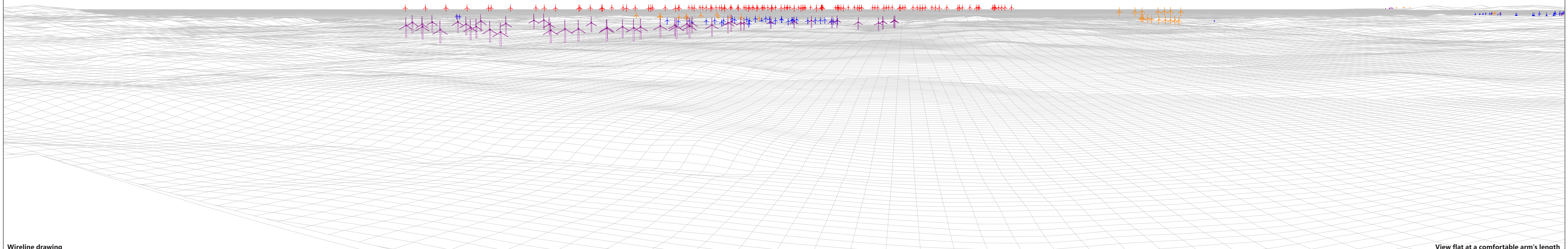


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North view

Extent of 53.5° planar panorama

H:\Data\Projects\052781 West of Orkney Offshore Wind Farm\Deliver Stage\0 Design_Technical\Design\VP11 N3 Ben Giam Beg 052781-FG-SA-00021_R2.mxd
Originator: wis03



- Forss III @ 34,150m
- Limekiln Extension @ 25,262m
- Balmore Farm @ 32,686m
- Hill of Lybster @ 34,198m
- Baillie @ 30,221m
- Fors I & II @ 34,026m
- Limekiln @ 23,722m
- Costa Head @ 100,318m
- Nisthill @ 97,826m
- Ackron Farm @ 22,819m
- Pentland Floating @ 33,575m
- Kirkton @ 17,393m
- Strathy Wood @ 13,579m
- Strathy North @ 15,162m
- Strathy South @ 8,601m
- Armadale @ 20,655m
- West of Orkney @ 50,998m
- Bettyhill @ 21,407m

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



West of Orkney Offshore Wind Farm
EIA Report

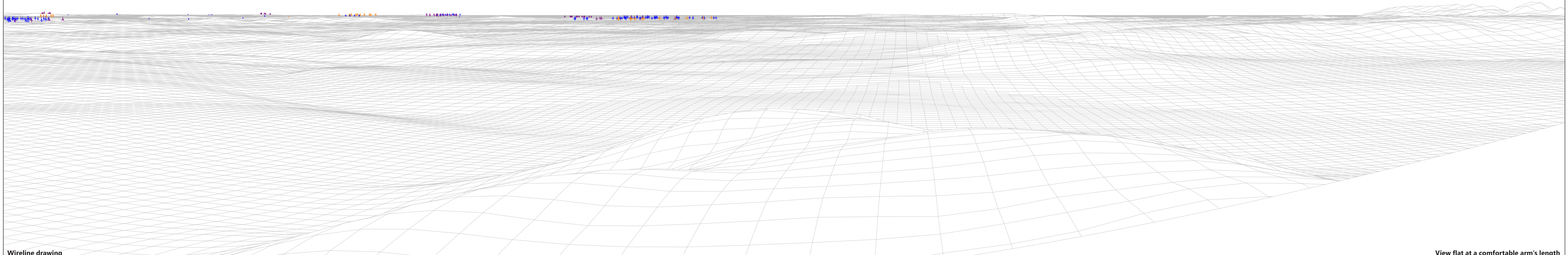
Figure 18.VP11b
Viewpoint 11: Ben Giam Beg Hillfort

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

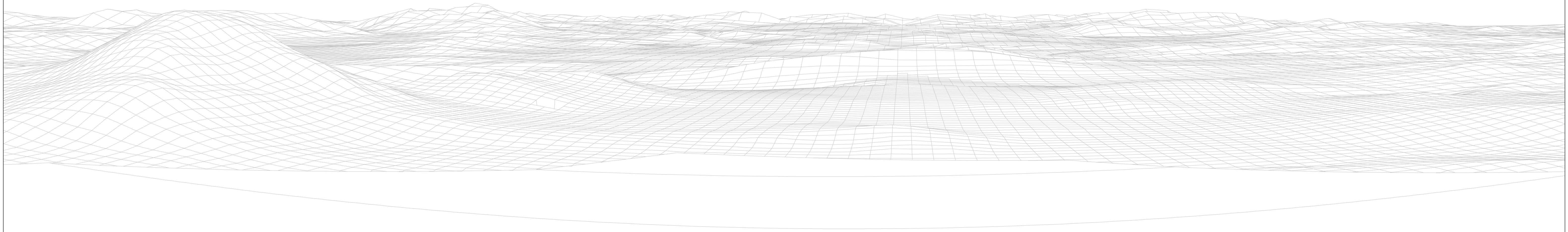
Figure 18.VP11c
Viewpoint 11: Ben Gram Beg Hillfort

February 2023

View flat at a comfortable arm's length

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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

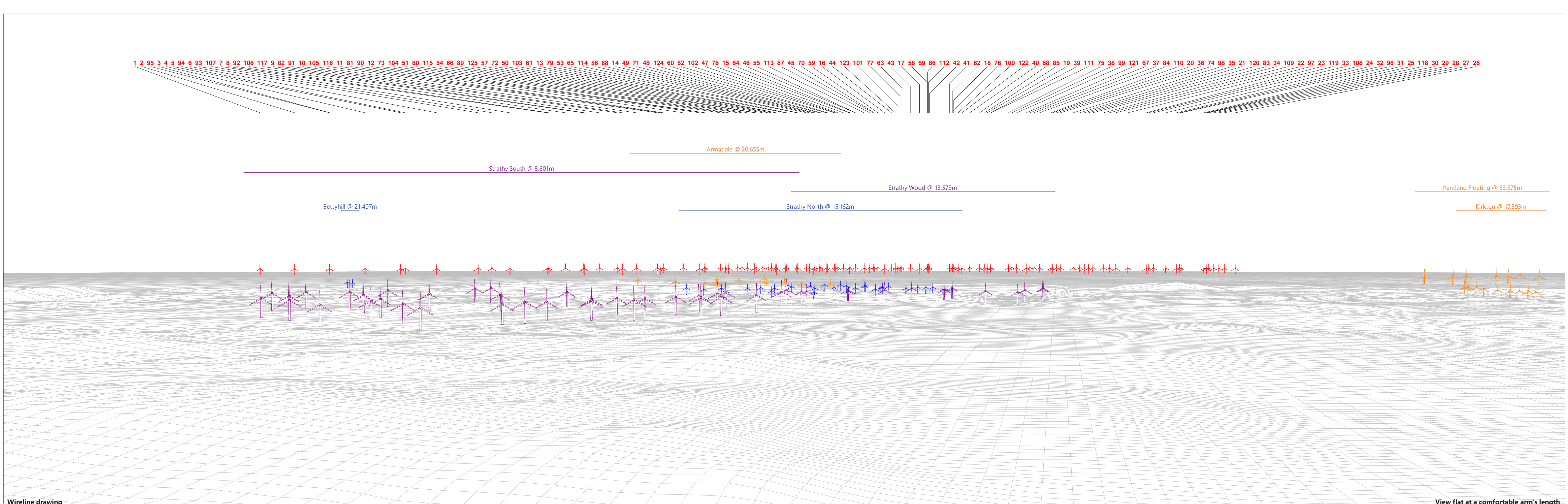
View flat at a comfortable arm's length

February 2023



1 2 95 3 4 5 94 6 93 107 7 8 92 106 117 9 82 91 10 105 116 11 81 90 12 73 104 51 80 115 54 66 89 125 57 72 50 103 61 13 79 53 65 114 56 88 14 49 71 48 124 60 52 102 47 78 15 64 46 55 113 87 45 70 59 16 44 123 101 77 63 43 17 58 69 86 112 42 41 62 18 76 100 122 40 68 85 19 39 111 75 38 99 121 67 37 84 110 20 36 74 98 35 21 120 83 34 109 22 97 23 119 33 108 24 32 96 31 25 118 30 29 28 27 26

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Wireline drawing

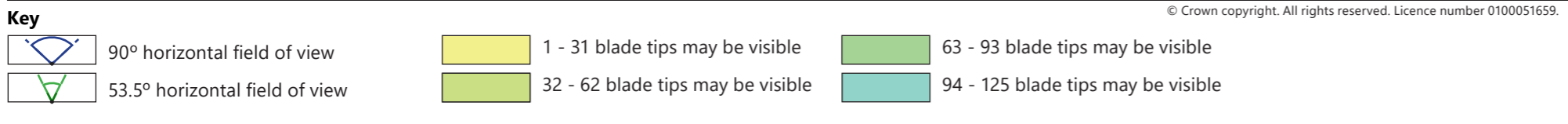
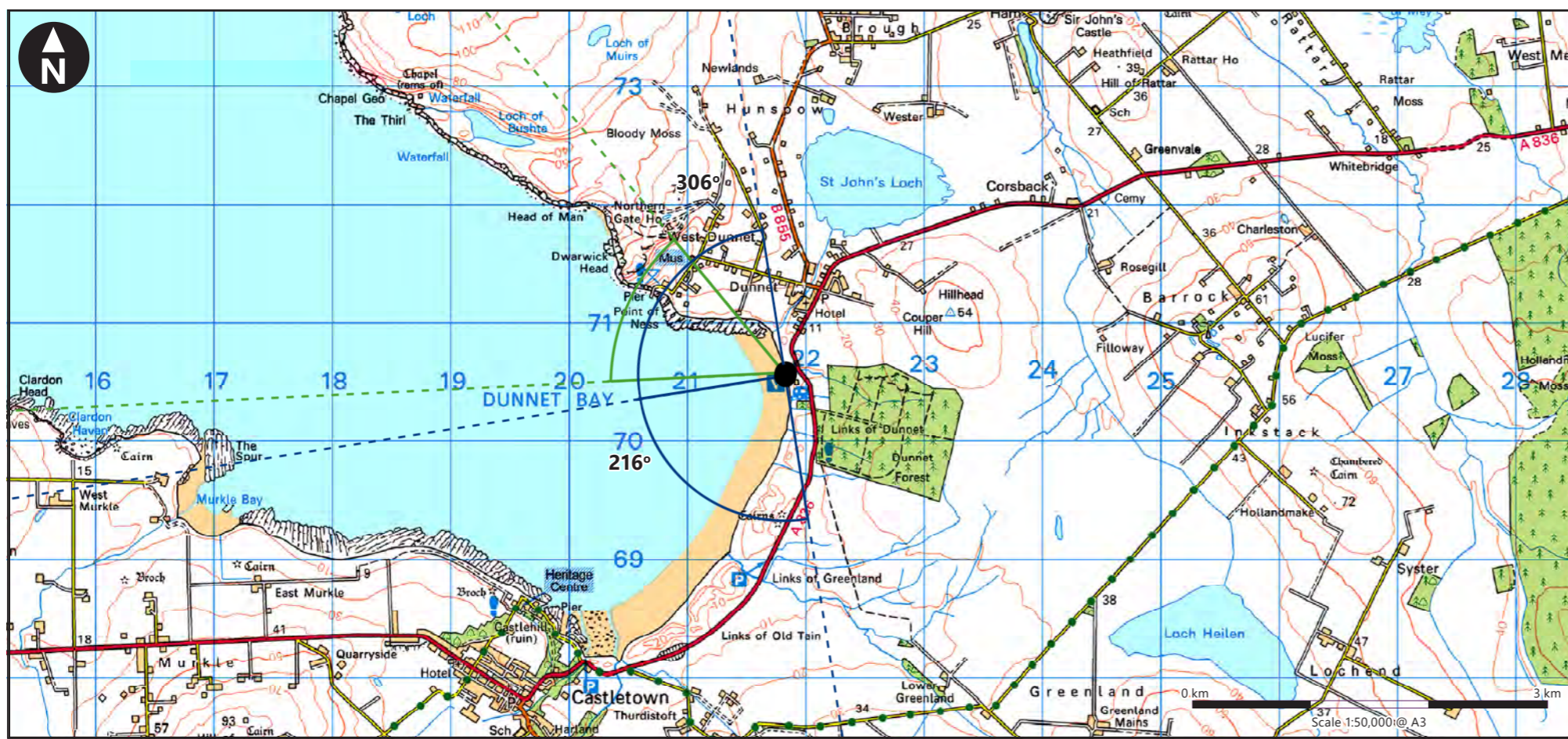
View flat at a comfortable arm's length

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 Giam Beg Hillfort	February 2023	
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H:\data\Projects\853781 West of Orkney Offshore Wind Farm\Deliver Stage\Design_Technical\InDesign\2023-07 Extra\VP12 NS Dunnet Bay 853781-FG-SA-00023_R3.indd Originator: wilsc03



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 ³ :	306°
Distance to nearest turbine:	44,516m
Number of blade tips theoretically visible ⁴ :	125
Number of hubs theoretically visible ⁴ :	125
Date and time of viewpoint photography:	30/10/2022 @ 13:28
Camera:	Nikon Z6 II
Lens:	50mm (Nikon Z 50mm f/1.8)

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- 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;
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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.VP12a
Viewpoint 12: Dunnet Bay - at Caravan Park

July 2023

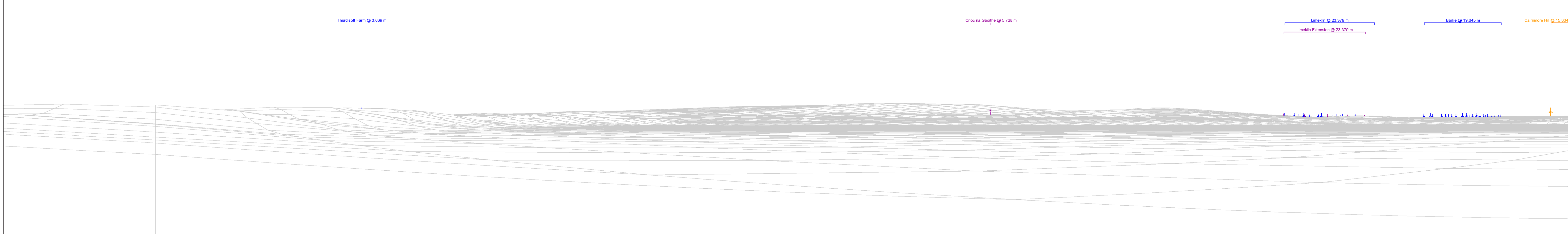


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Northwest view

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

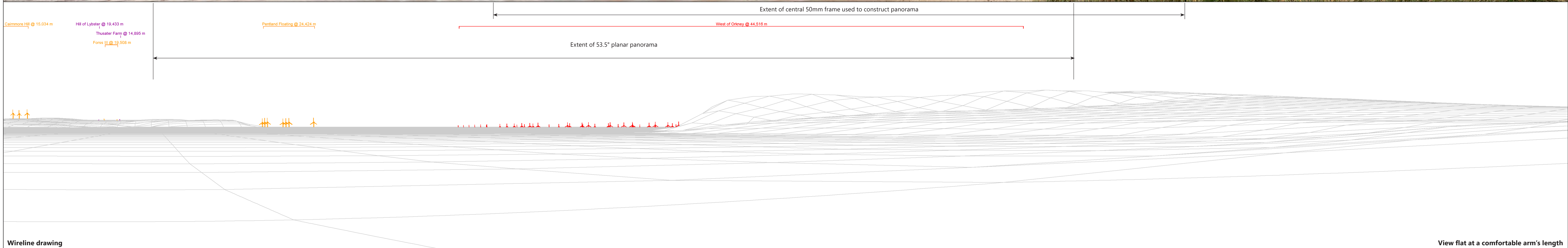
OS reference:	E321,900, N970,493	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	6.2m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	306°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	44,516 m	Correct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

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



Wireline drawing

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:	216°	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	Figure 18.VP12c Viewpoint 12: Dunnet Bay - at Caravan Park	
	Client	West of Orkney Offshore Wind Farm EIA Report	Figure 18.VP12c Viewpoint 12: Dunnet Bay - at Caravan Park	

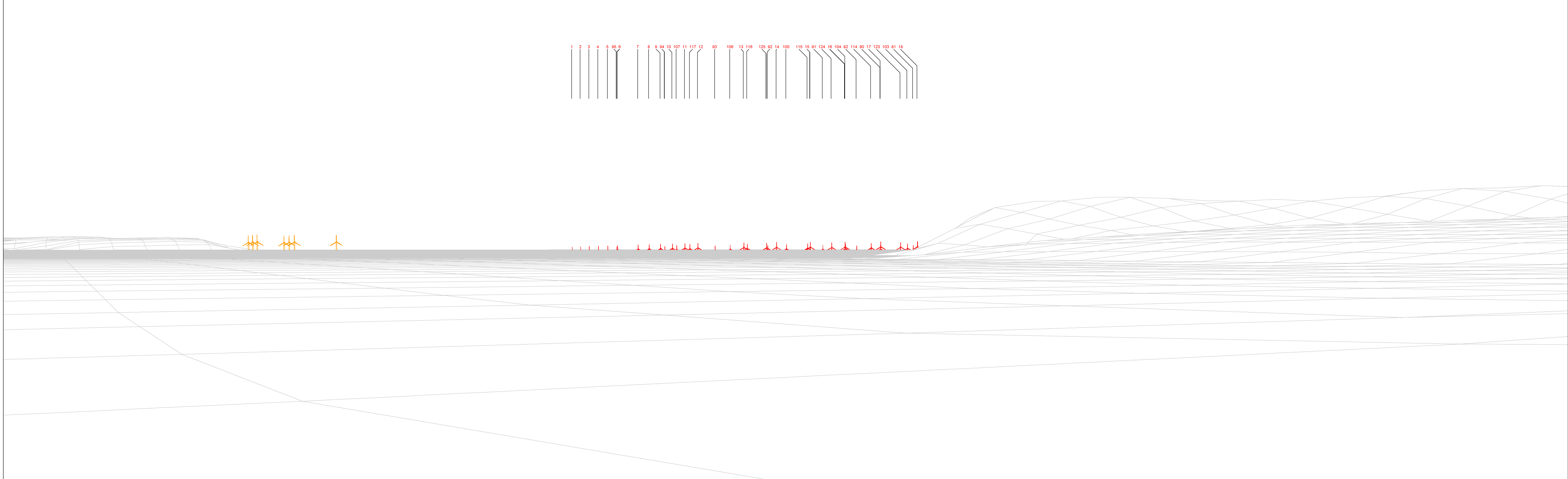
View flat at a comfortable arm's length

July 2023

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1 2 3 4 5 95 6 7 8 9 94 10 107 11 117 12 93 106 13 116 125 92 14 105 115 15 91 124 16 104 82 114 90 17 123 103 81 18

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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

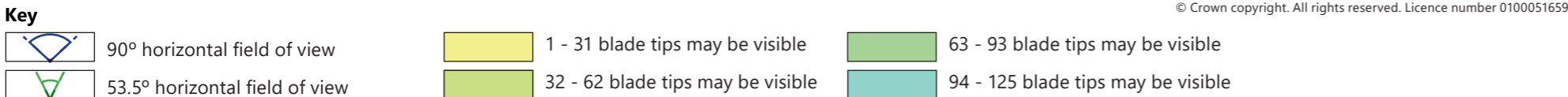
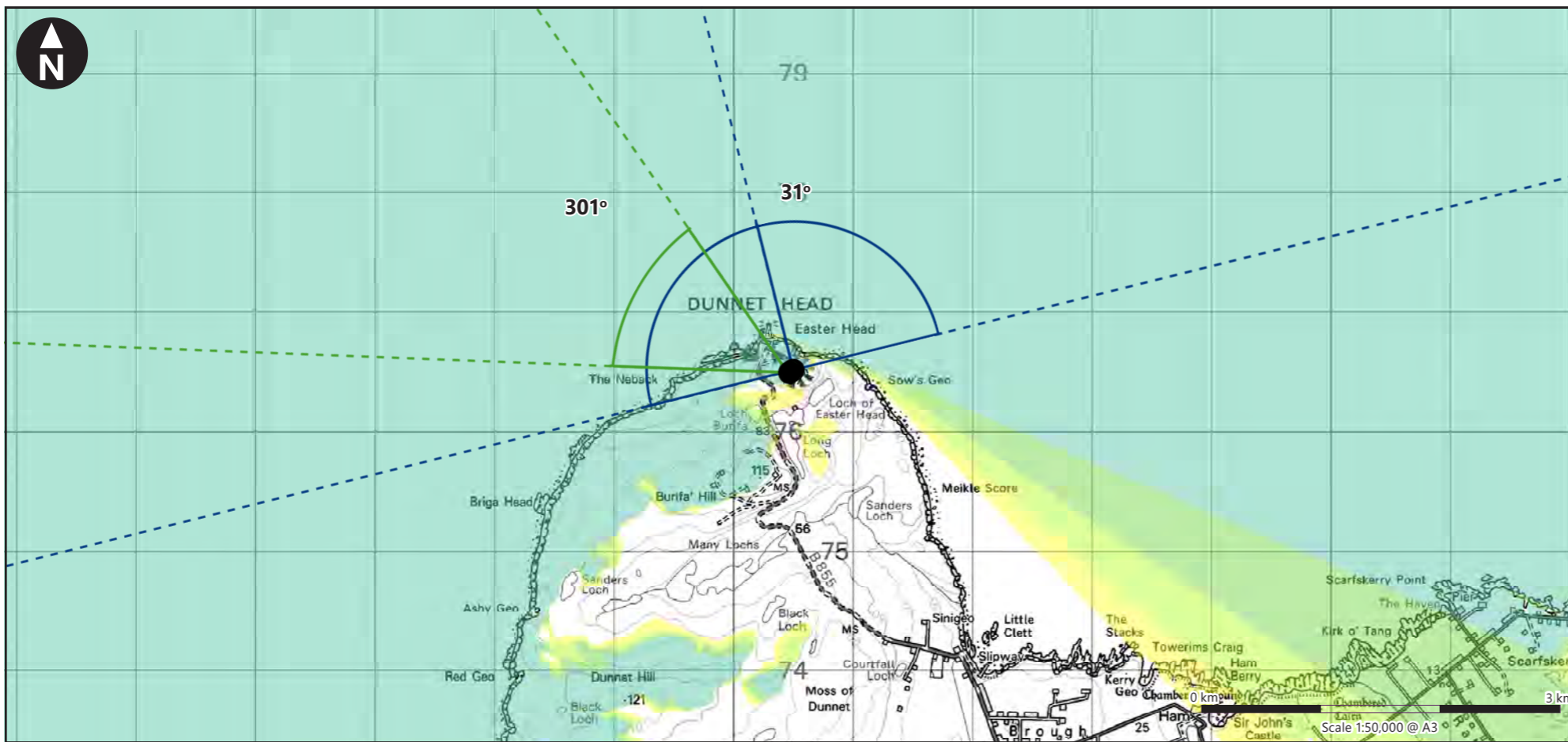
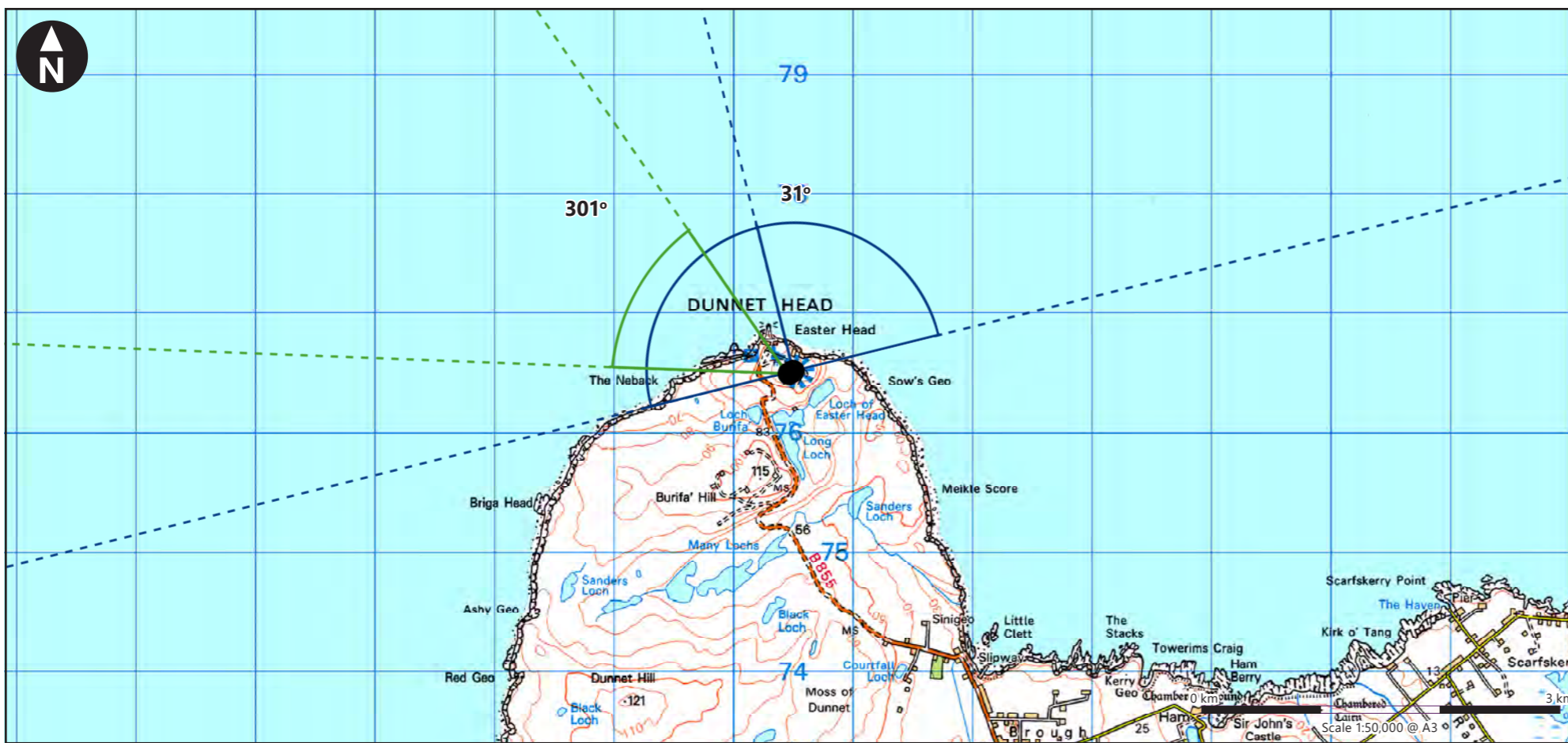


West of Orkney Offshore Wind Farm
EIA Report

Figure 18.VP12e
Viewpoint 12: Dunnet Bay - at Caravan Park

July 2023





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 ³ :	301°
Distance to nearest turbine:	39,520m
Number of blade tips theoretically visible ⁴ :	125
Number of hubs theoretically visible ⁴ :	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:

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.VP13a
Viewpoint 13: Dunnet Head

July 2023

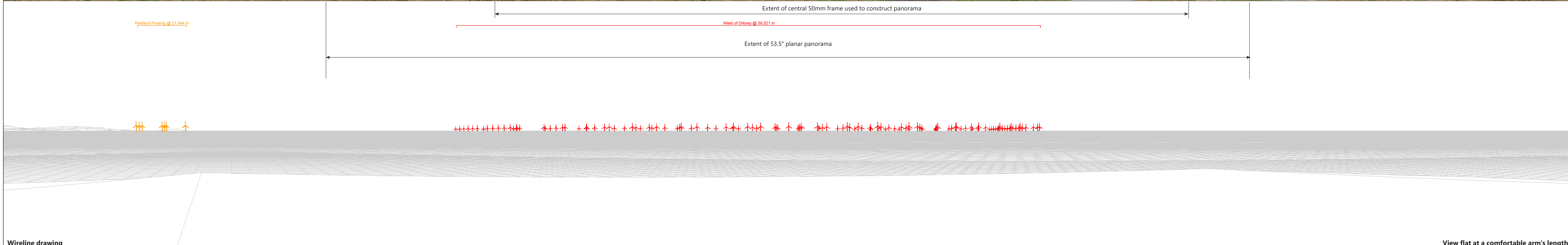


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Northwest view



Baseline photograph



Wireline drawing

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:	301°	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

Figure 18.VP13b
Viewpoint 13: Dunnet Head

View flat at a comfortable arm's length

July 2023



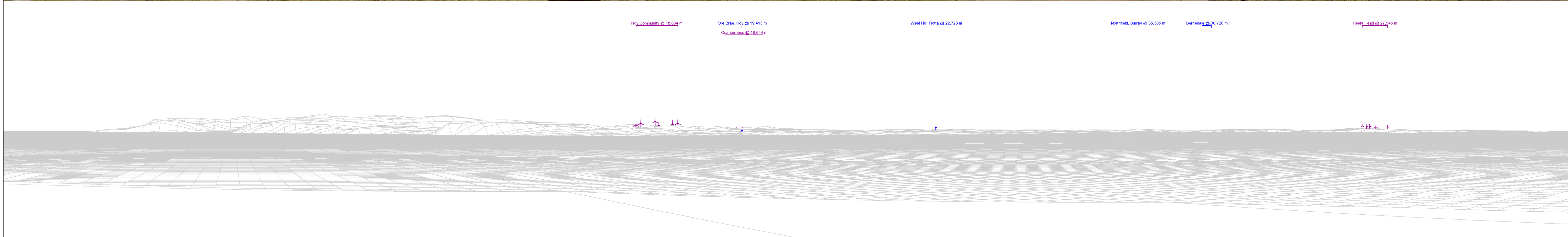
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Northeast view



Baseline photograph

This image provides landscape and visual context only



Wireline drawing

View flat at a comfortable arm's length

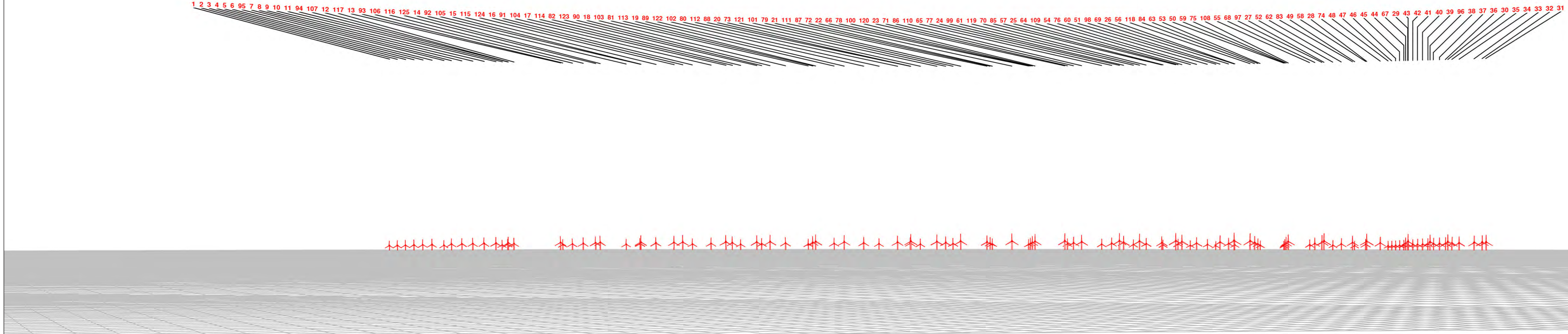
Wind Farm Key: West of Orkney Wind Farm, Existing, Consented, Application

OS reference:	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	Figure 18.VP13c Viewpoint 13: Dunnet Head	July 2023	
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Wireline drawing

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

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

Figure 18.VP13d
Viewpoint 13: Dunnet Head

View flat at a comfortable arm's length

July 2023



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Photomontage

View flat at a comfortable arm's length

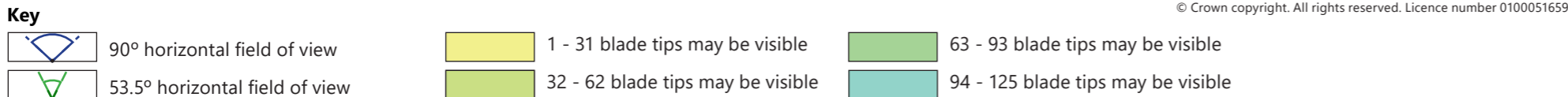
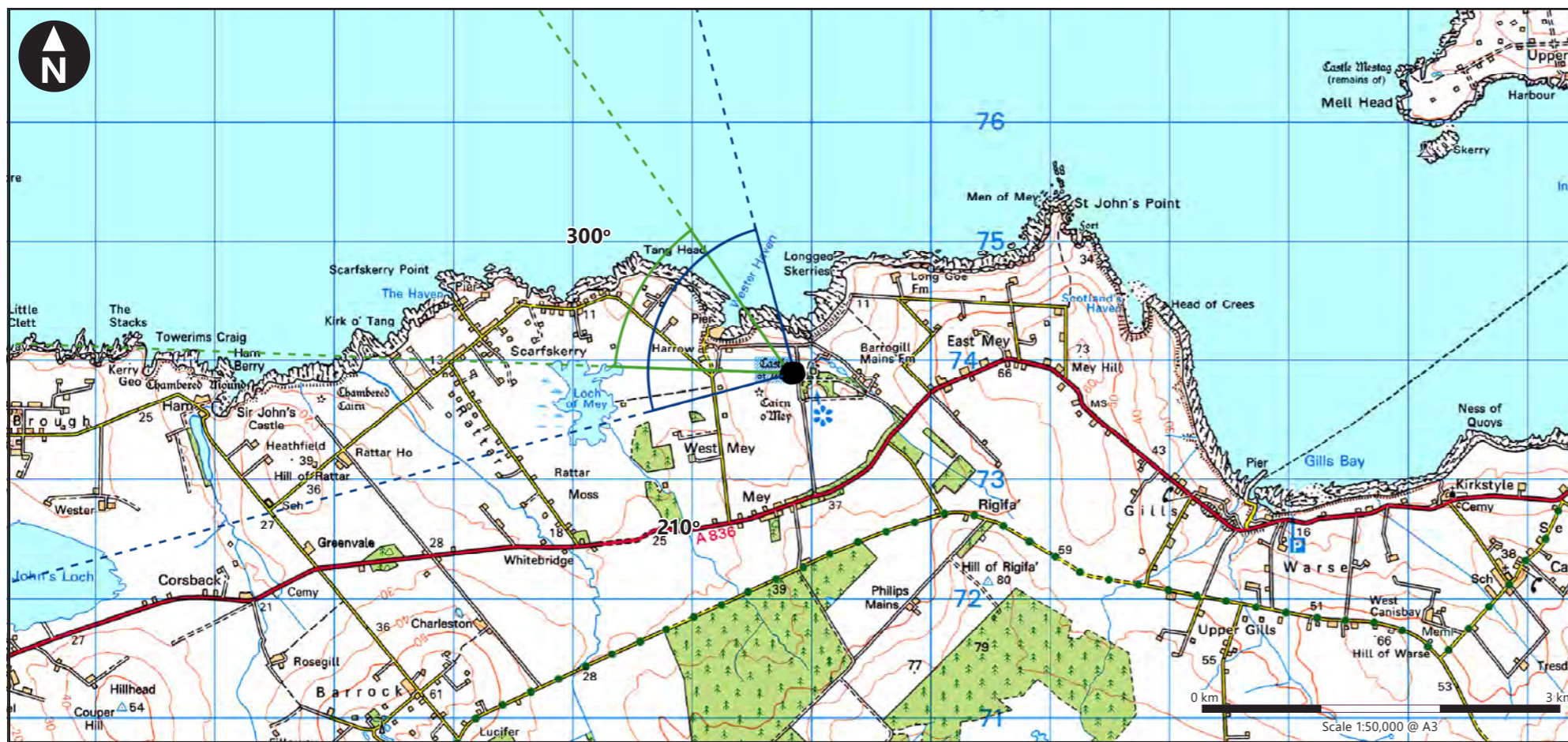
OS reference:	E320.533, N976.501	Horizontal field of view:	53.5° (planar projection)	Camera:	Nikon Z6 II
Eye level:	122.9m AOD	Principal distance:	812.5mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	300°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	39,520 m	Correct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

Client

West of Orkney Offshore Wind Farm
EIA Report

Figure 18.VP13e
Viewpoint 13: Dunnet Head

July 2023



Viewpoint Parameters

OS reference:	E328,890 N973,921
Ground Level Elevation:	26.1m AOD
Camera Height:	1.5m AGL
Direction of view to site centre ³ :	300°
Distance to nearest turbine:	47,759m
Number of blade tips theoretically visible ⁴ :	125
Number of hubs theoretically visible ⁴ :	125
Date and time of viewpoint photography:	30/10/2022 @ 13:53
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.

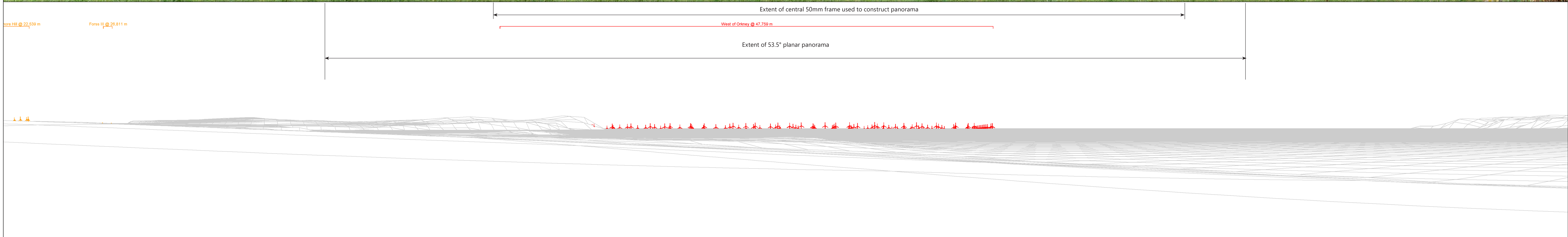
5. This figure is produced in accordance with SNH Visual Representation of Wind Farms 2017 guidance and also broadly accords with the Landscape Institute's Technical Guidance Note 6/19 (Type 4 Visualisation).

Client	
West of Orkney Offshore Wind Farm EIA Report	
Figure 18.VP14a Viewpoint 14: Castle of Mey LB & GDL	
July 2023	



Northwest view

This image provides landscape and visual context only



Baseline photograph

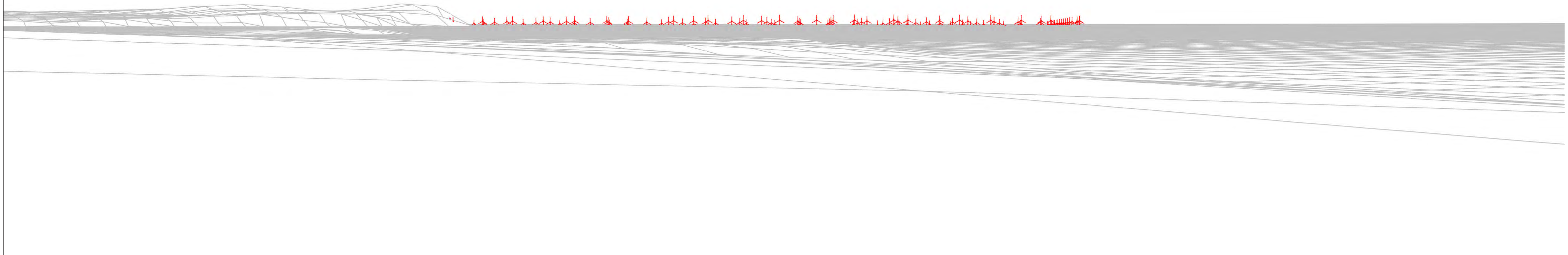
<p>Wireline drawing</p> <p>OS reference: E328,890, N973,921 Horizontal field of view: 90° (cylindrical projection) Camera: Nikon Z6 II</p> <p>Eye level: 26.1m AOD Principal distance: 522mm Lens: 50mm (Nikon Z 50mm f/1.8)</p> <p>Direction of view: 300° Paper size: 841mm x 297mm (half A1) Camera height: 1.5m AGL</p> <p>Nearest turbine: 47,759 m Correct printed image size: 820 x 130mm Date and time: 30/10/2022 13:53</p>		<p>Client</p>	<p>West of Orkney Offshore Wind Farm EIA Report</p>	<p>Figure 18.VP14b Viewpoint 14: Castle of Mey LB & GDL</p>	<p>View flat at a comfortable arm's length</p> <p>July 2023</p>
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Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

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125 14 92 15 105 115 124 16 91 104 17 114 82 123 90 18 103 19 113 81 89 122 102 80 112 20 88 121 73 101 21 79 111 87 22 72 120 100 78 66 23 110 86 71 24 65 77 99 119 61 25 70 85 109 57 64 76 26 98 54 60 118 69 51 84 56 108 63 53 75 27 59 97 50 68 55 28 83 62 52 74 58 29 49 67 96 48 47 46 30 45 44 43 42 41 40 39 38 37 36 35 34 33 31 32

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Wireline drawing

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

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.VP14c
Viewpoint 14: Castle of Mey LB & GDL

View flat at a comfortable arm's length

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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



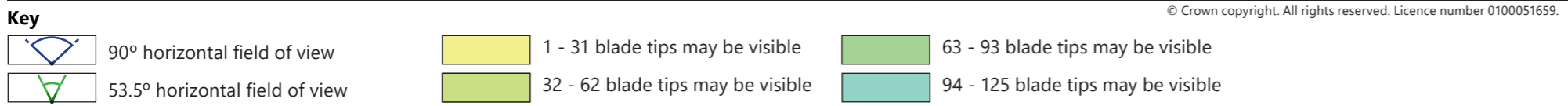
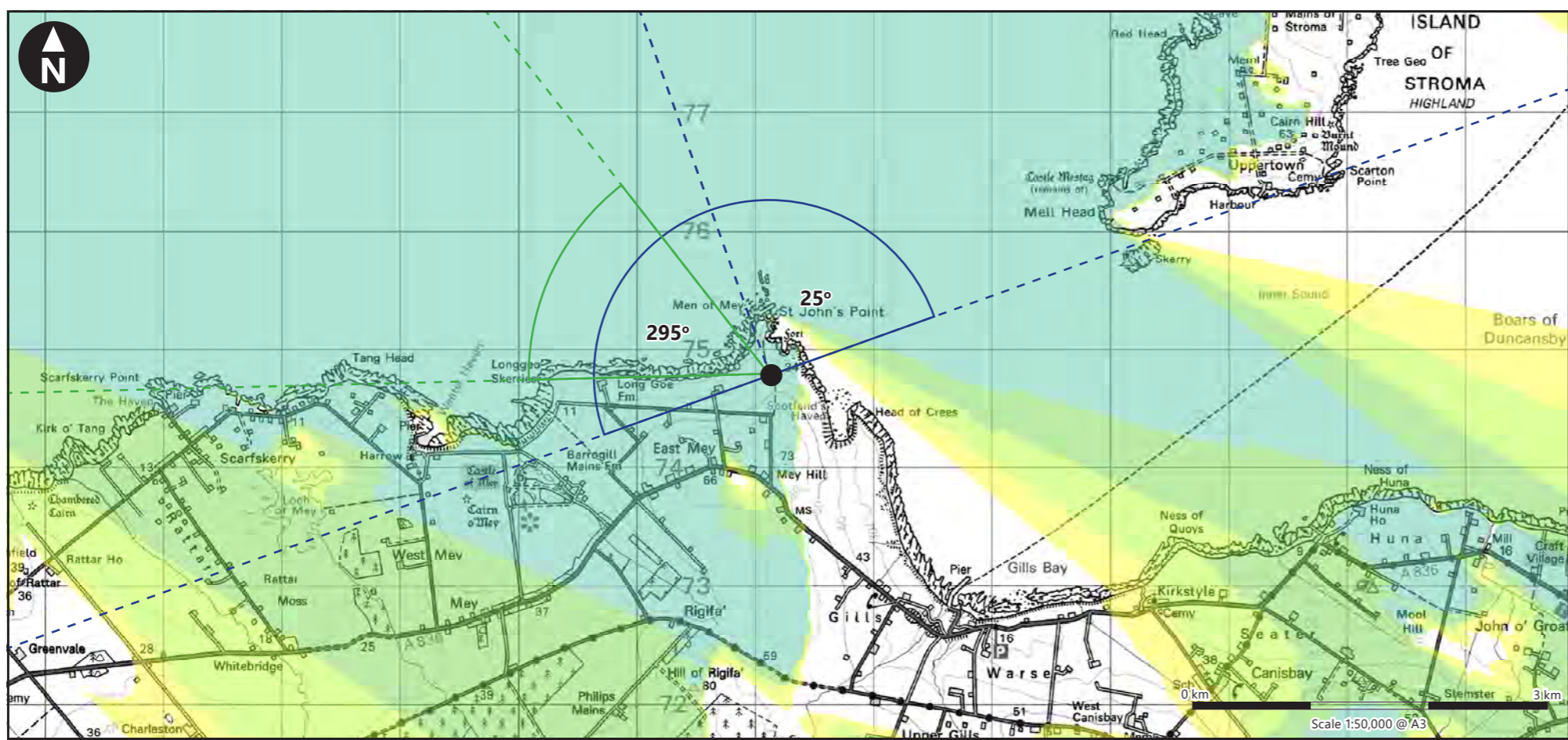
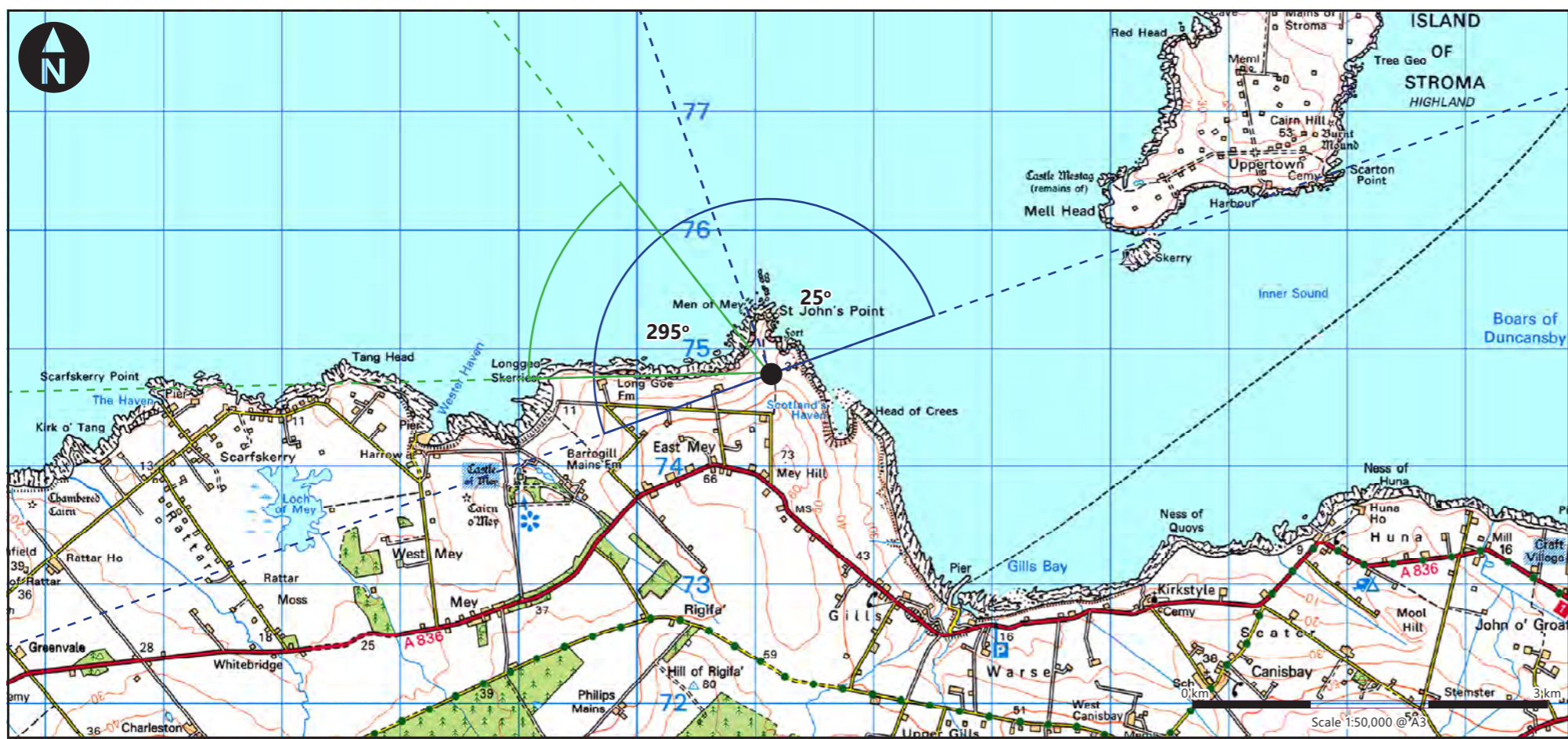
West of Orkney Offshore Wind Farm
EIA Report

Figure 18.VP14d
Viewpoint 14: Castle of Mey LB & GDL

July 2023



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Viewpoint Parameters

OS reference:	N331 127, E974 780
Ground Level Elevation:	36m AOD
Camera Height:	1.5m AGL
Direction of view to site centre ³ :	298°
Distance to nearest turbine:	49,141m
Number of blade tips theoretically visible ⁴ :	125
Number of hubs theoretically visible ⁴ :	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**

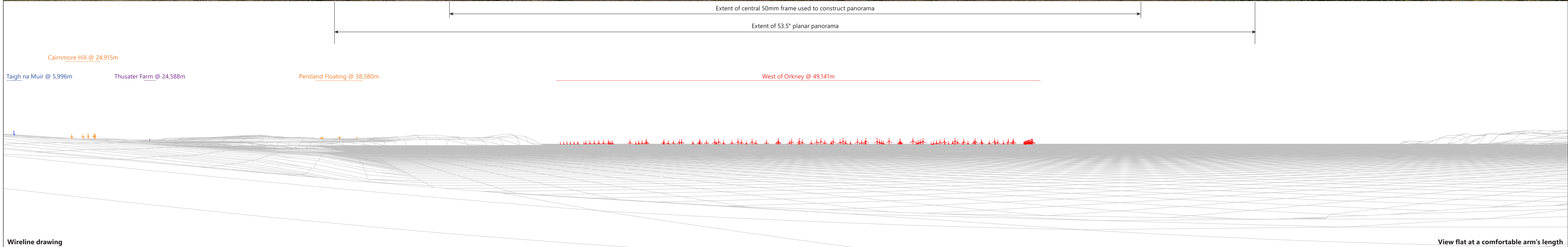
July 2023





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:	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

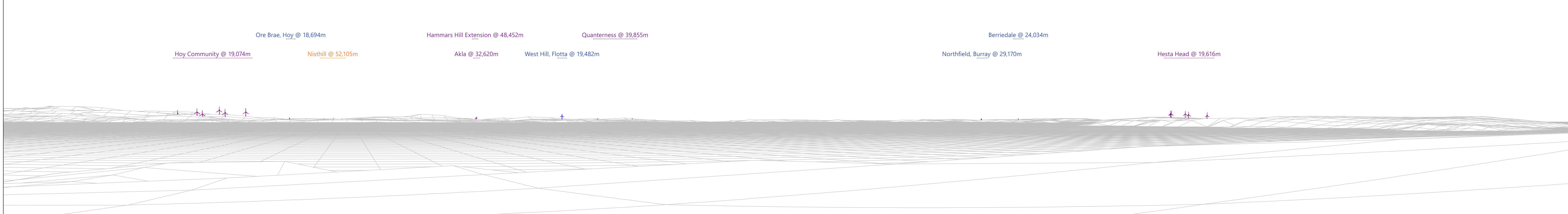
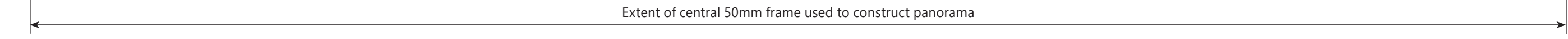
Client		West of Orkney Offshore Wind Farm EIA Report	Figure 18.VP15b Viewpoint 15: St. John's Point	
			July 2023	

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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

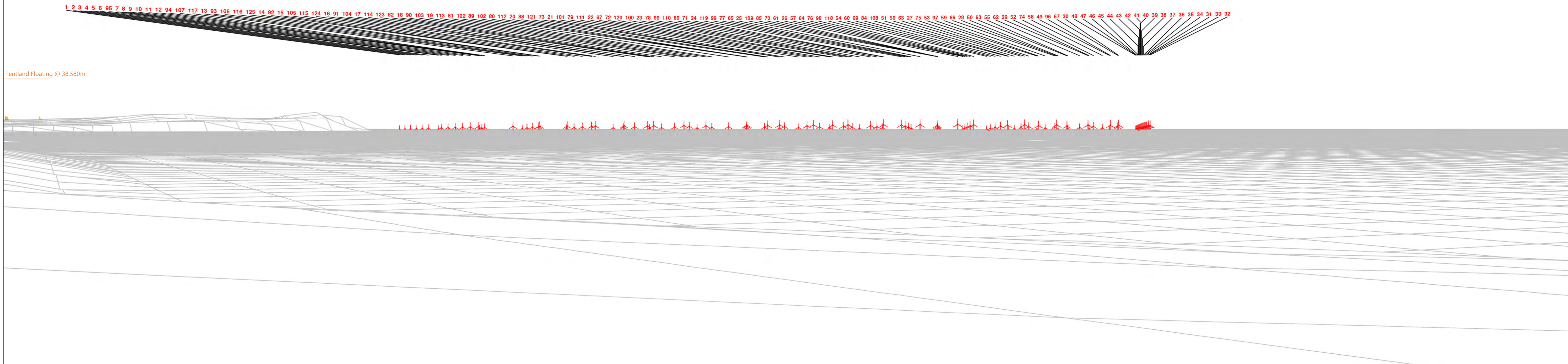
Figure 18.VP15c
Viewpoint 15:
St. John's Point

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:	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



H:\Data\Projects\853781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\Design\2023-07\Extra\VP15 WS St. John's Point\853781-FG-SA-00029_DS.indd Originator: wksc03



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

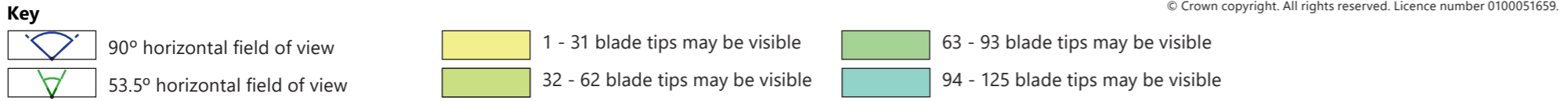
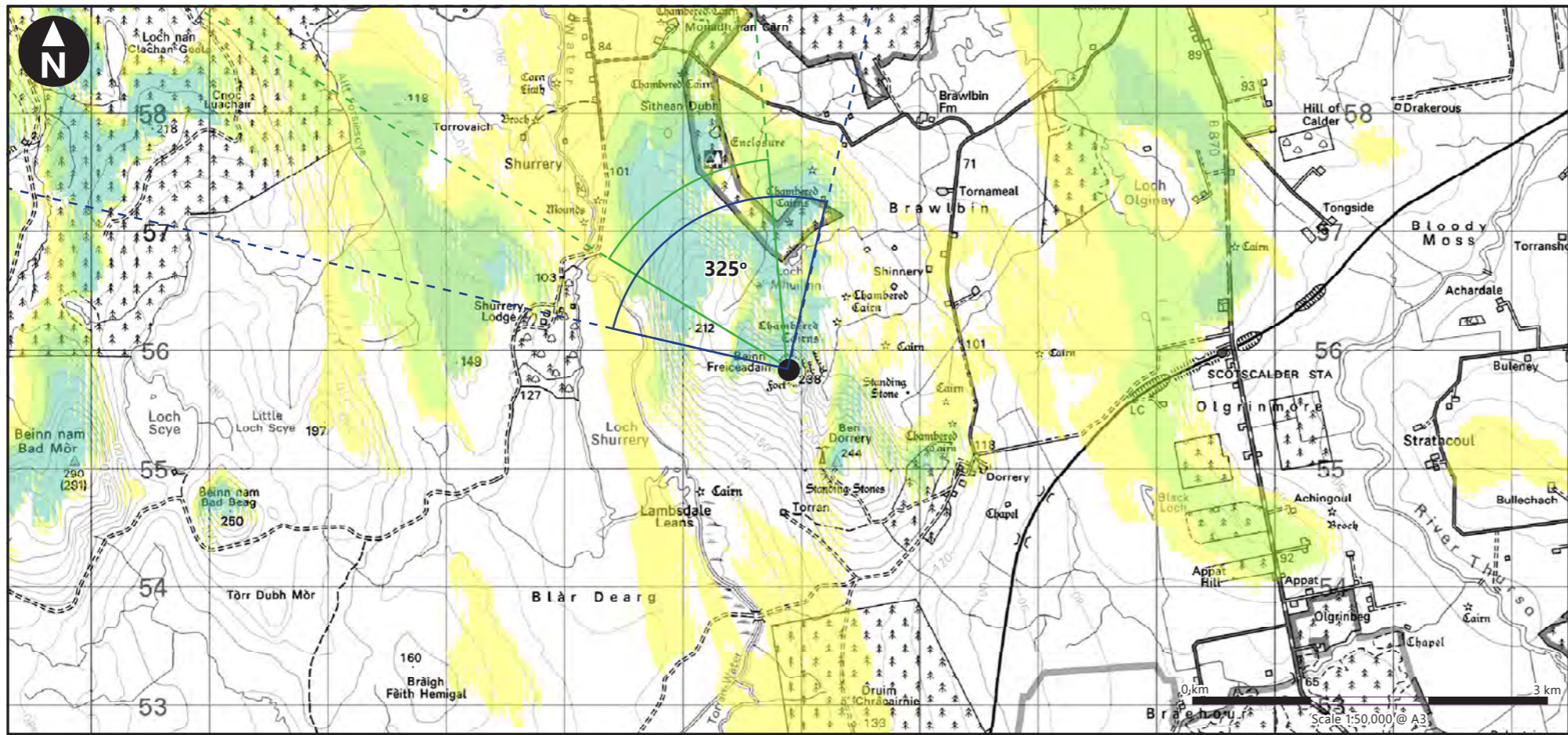
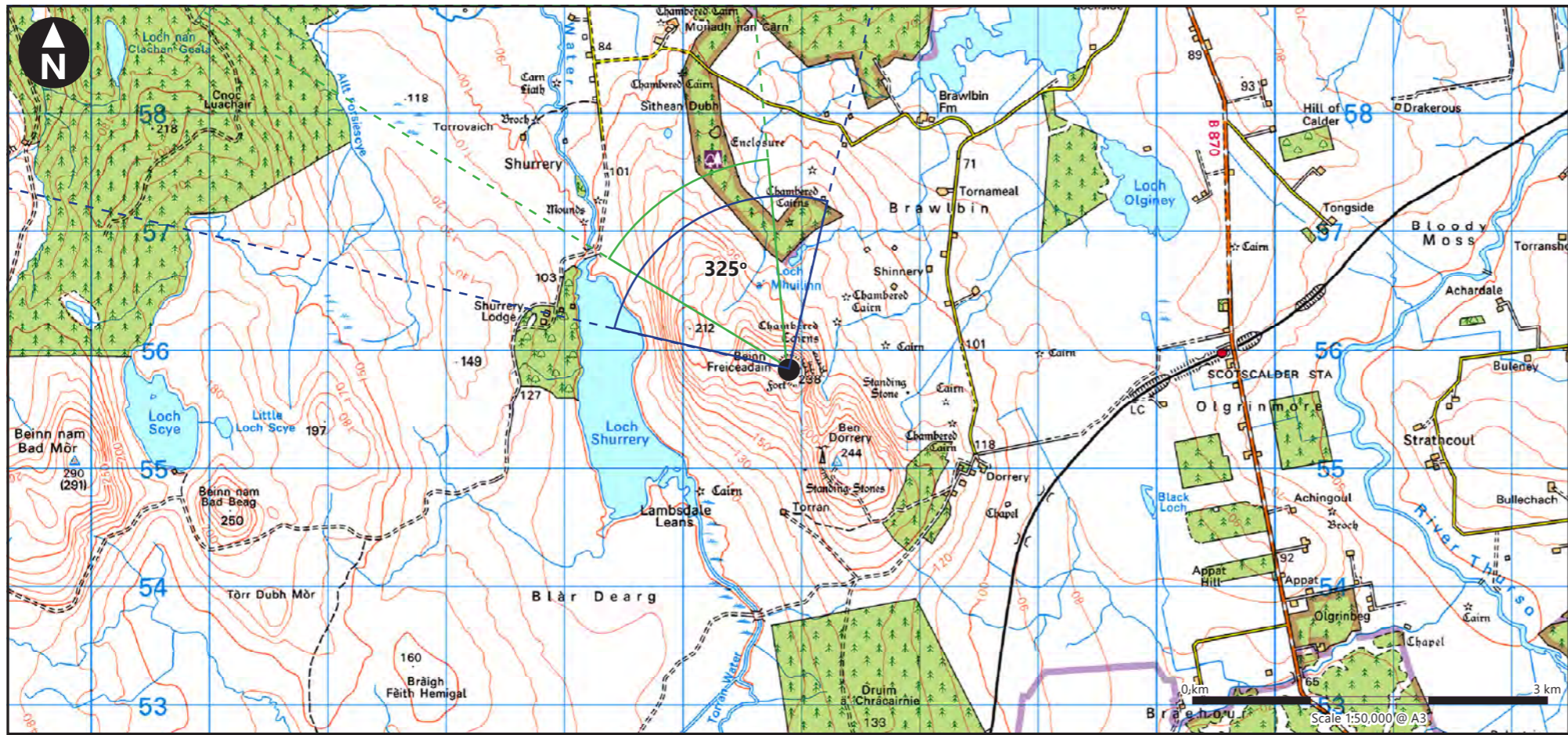


Client
West of Orkney Offshore Wind Farm
EIA Report

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

July 2023 

Z:\Projects\853781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\mDesign\2023-07 Extra\VP16 NS Beinn Freiceadain 853781-FG-SA-00031_RS.indd Originator: wilsc03



Viewpoint Parameters

OS reference:	N305 935, E955 849
Ground Level Elevation:	233m AOD
Camera Height:	1.5m AGL
Direction of view to site centre ³ :	325°
Distance to nearest turbine:	47,133m
Number of blade tips theoretically visible ⁴ :	125
Number of hubs theoretically visible ⁴ :	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



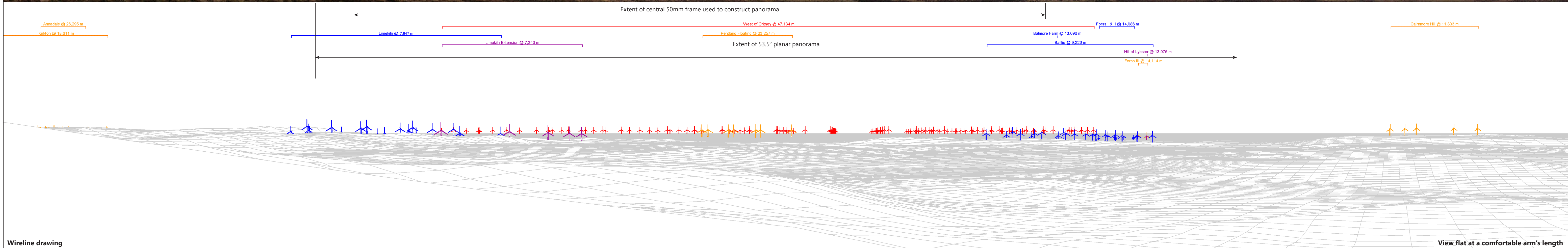
West of Orkney Offshore Wind Farm
EIA Report

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

August 2023



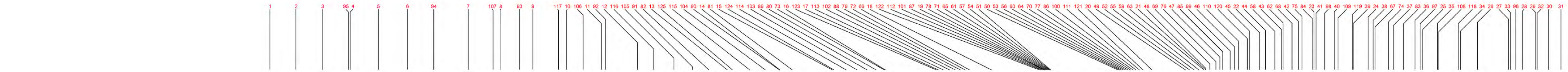
© Crown copyright. All rights reserved. Licence number 0100051659.



Wind Farm Key: West of Orkney Wind Farm Existing Consented Application	OS reference: N305 935, E955 849 Eye level: 233m AOD Direction of view: 325° Nearest turbine: 47,133m	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: 23/03/2023 15:09	Client: 	West of Orkney Offshore Wind Farm EIA Report	Figure 18.VP16b Viewpoint 16: Beinn Freiceadain Hillfort	August 2023	
	View flat at a comfortable arm's length							

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 Originator: wis08

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Wireline drawing

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



View flat at a comfortable arm's length

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Originator: wilc08



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

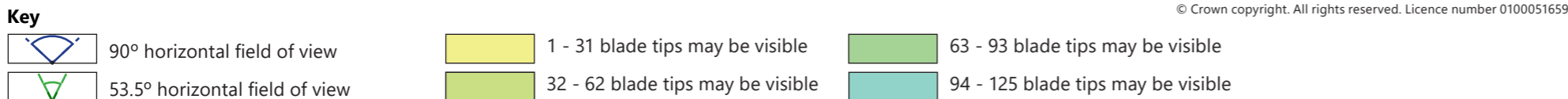
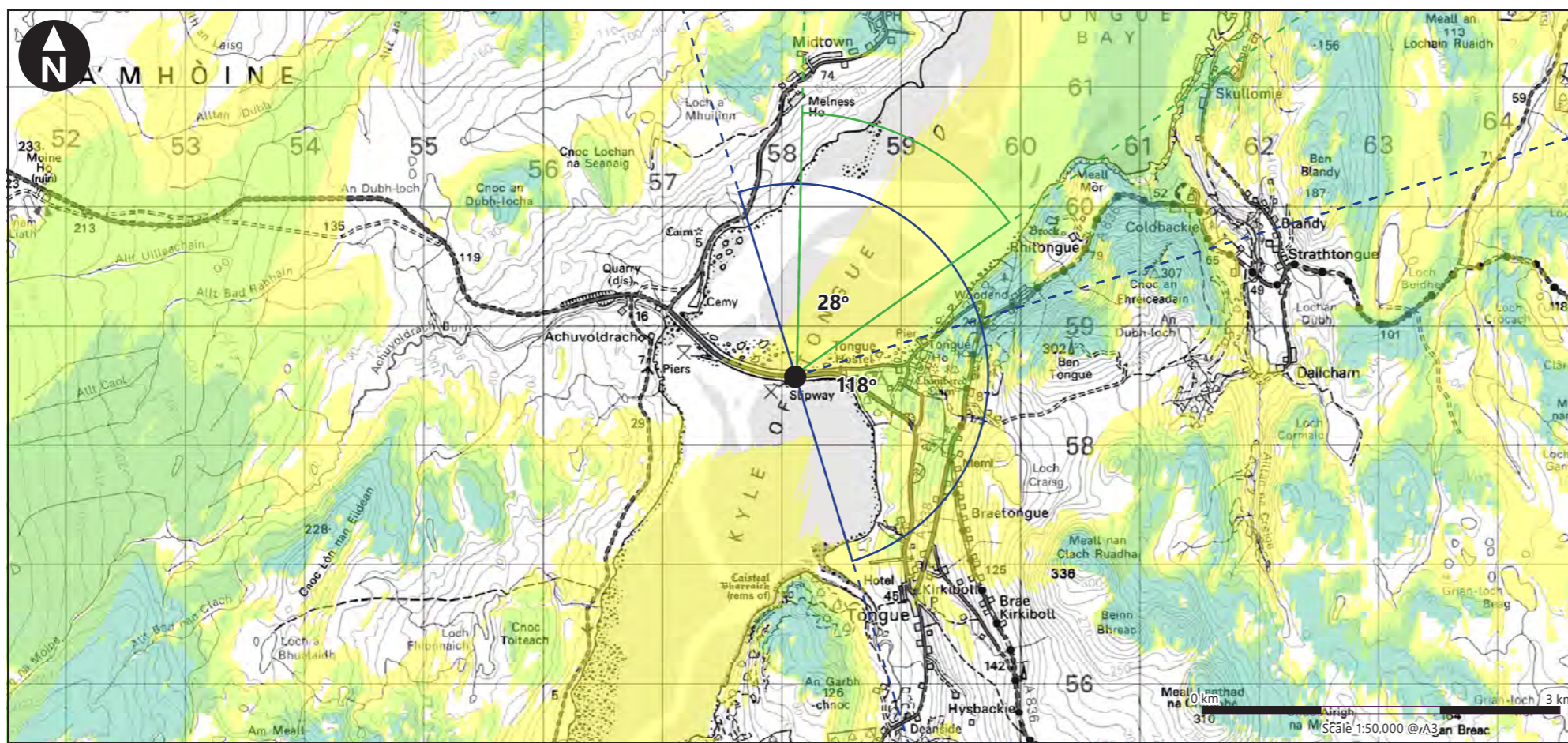
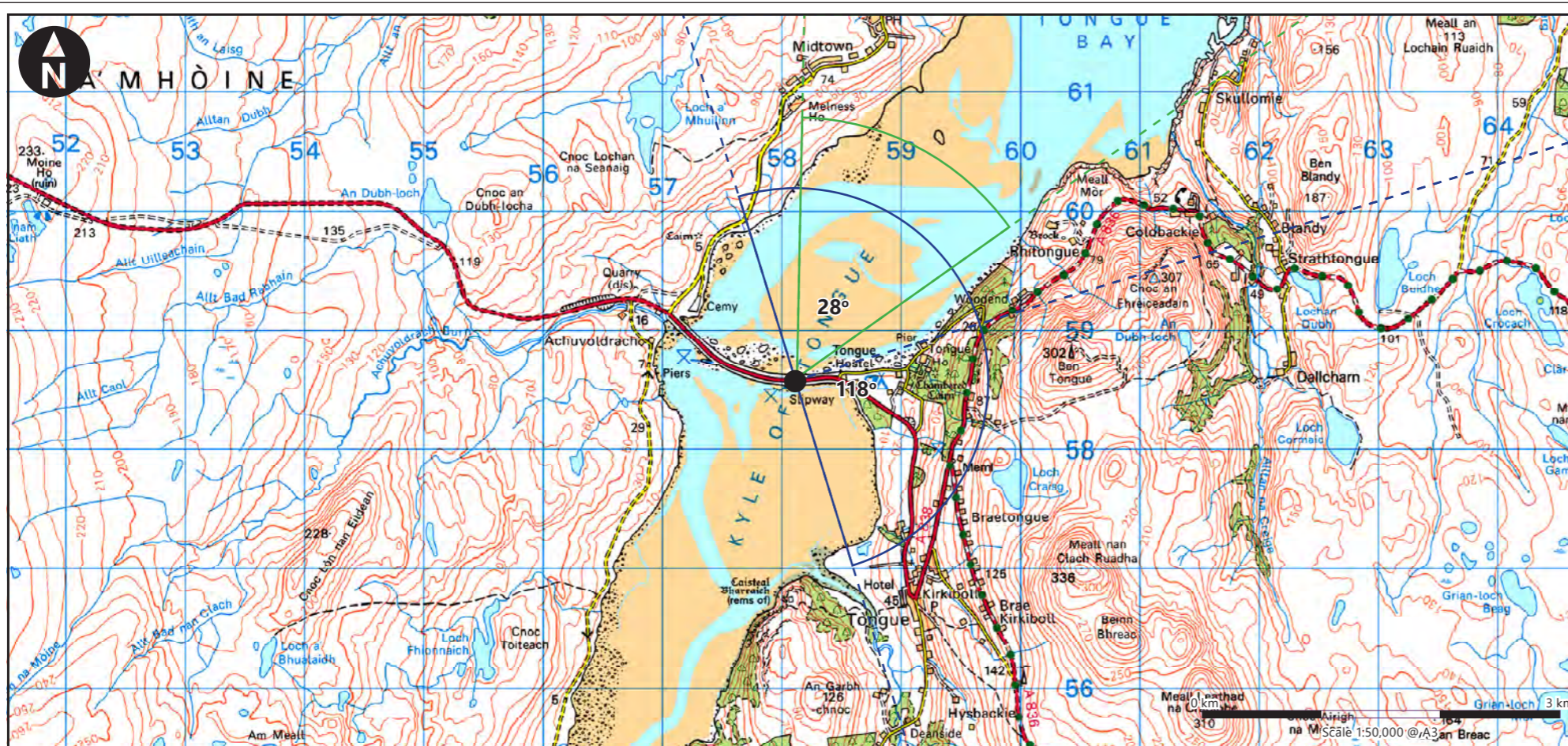


West of Orkney Offshore Wind Farm
EIA Report

Figure 18.VP16d
Viewpoint 16:
Beinn Freiceadain Hillfort

August 2023





Viewpoint Parameters

OS reference:	N258 109, E958 573
Ground Level Elevation:	3m AOD
Camera Height:	1.5m AGL
Direction of view to site centre ³ :	28°
Distance to nearest turbine:	32,624m
Number of blade tips theoretically visible ⁴ :	125
Number of hubs theoretically visible ⁴ :	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

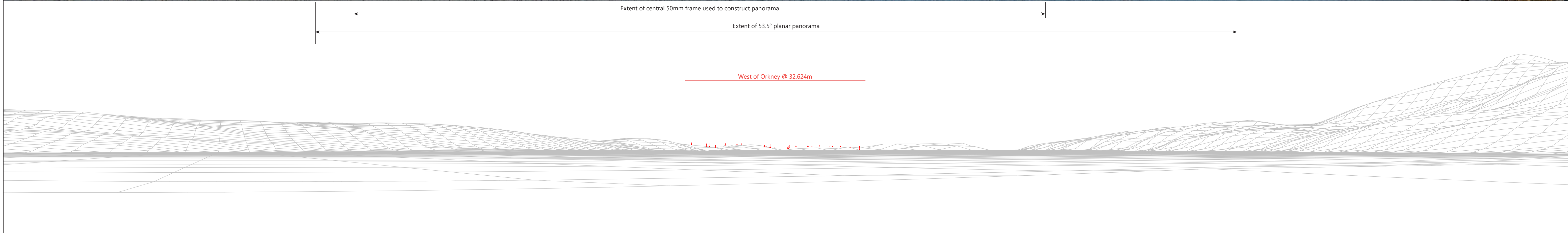


Northwest view



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

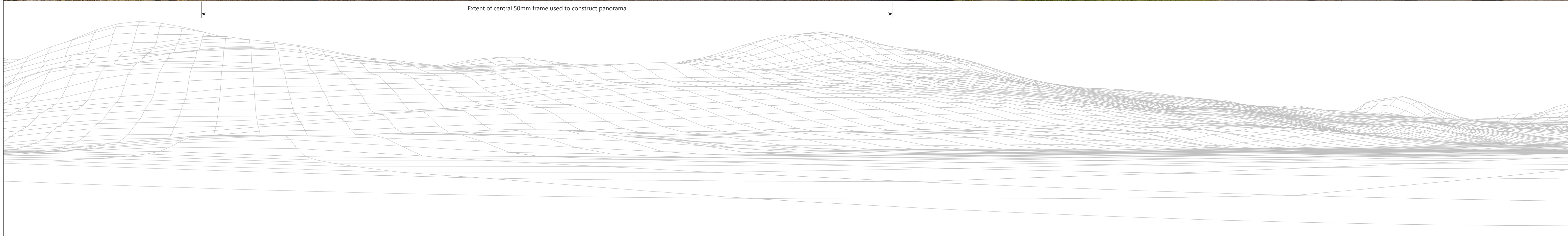
OS reference:	N258 109, E958 573	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	4.5m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	28°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	32,624m	Correct 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.VP17b Viewpoint 17: Kyle of Tongue - A838 Causeway	July 2023	
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Extent of central 50mm frame used to construct panorama



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

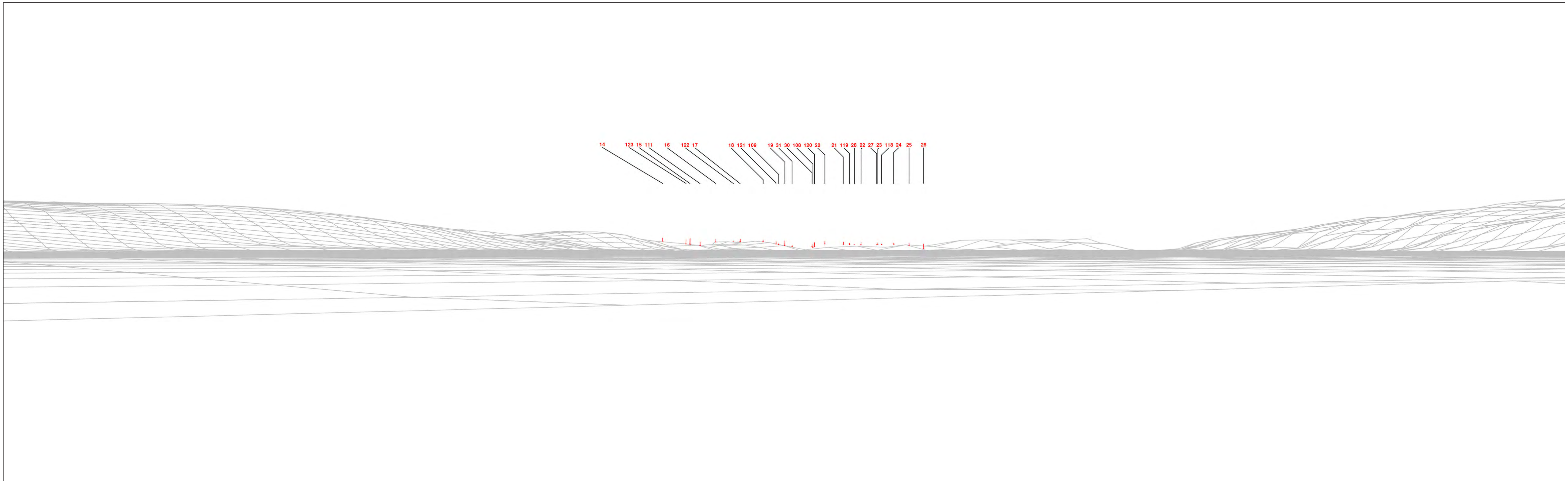
Figure 18.VP17c
Viewpoint 17:
 Kyle of Tongue - A838 Causeway

July 2023



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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



View flat at a comfortable arm's length

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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



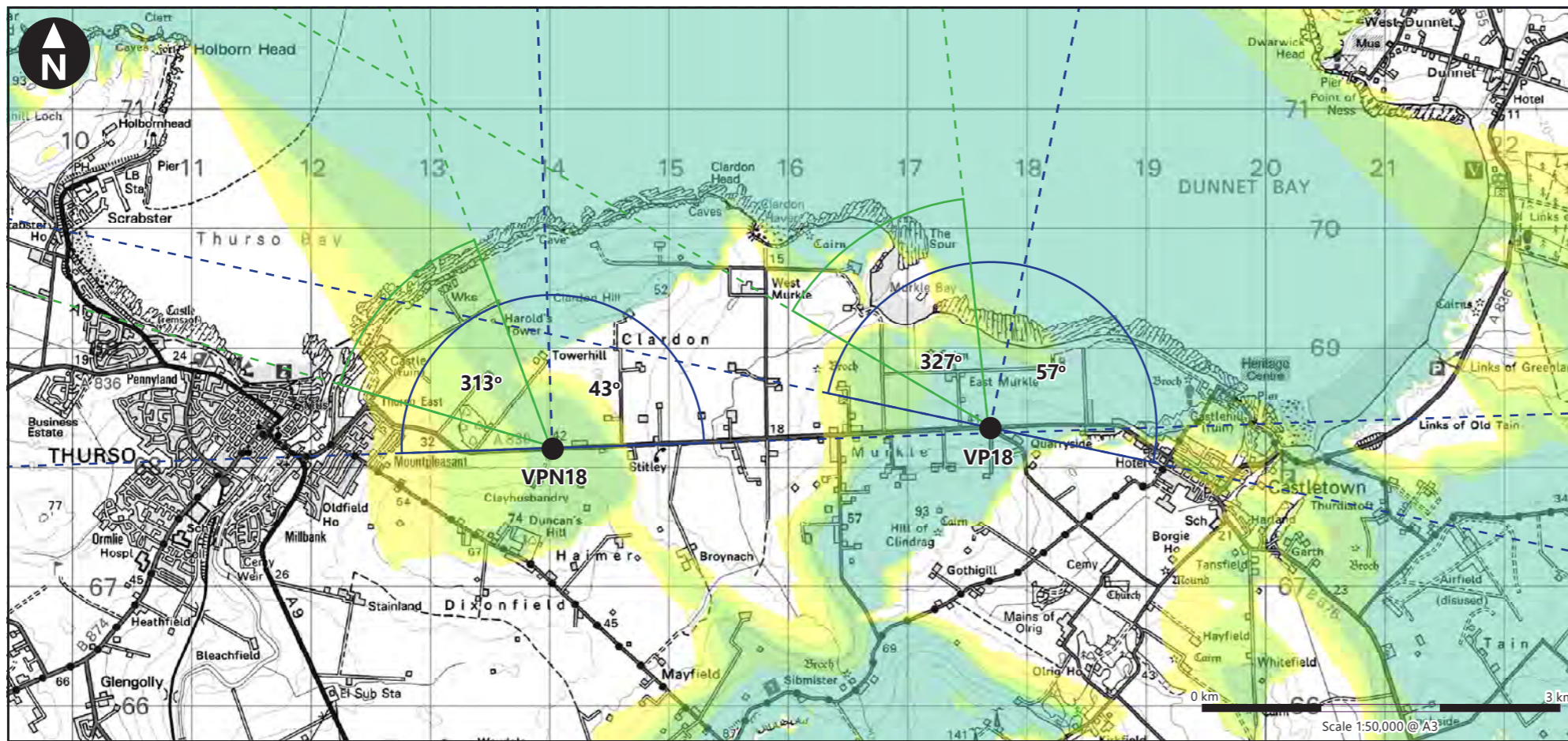
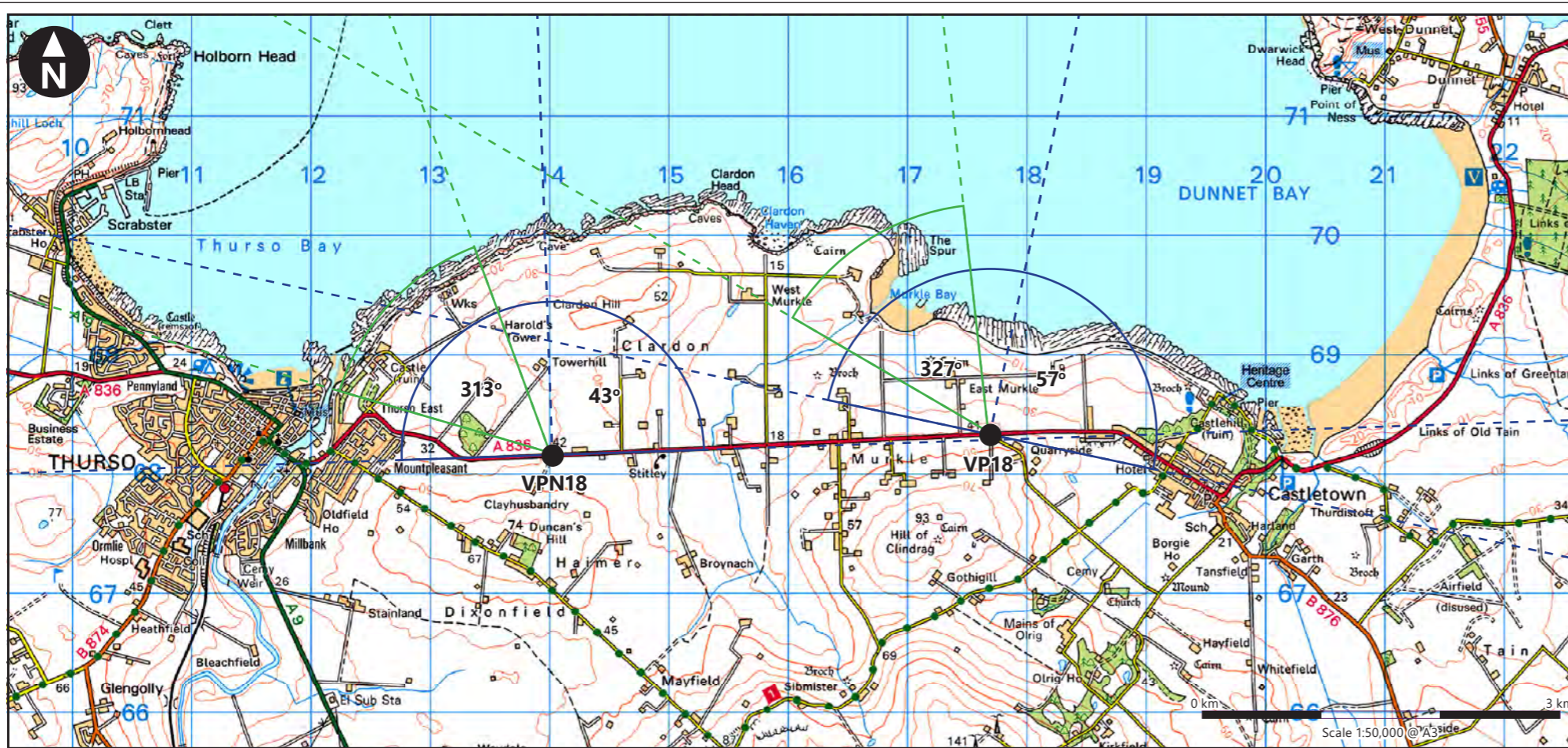
West of Orkney Offshore Wind Farm
EIA Report

Figure 18.VP17e
Viewpoint 17:
Kyle of Tongue - A838 Causeway







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 ³ :	311°
Distance to nearest turbine:	43,200m
Number of blade tips theoretically visible ⁴ :	114
Number of hubs theoretically visible ⁴ :	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



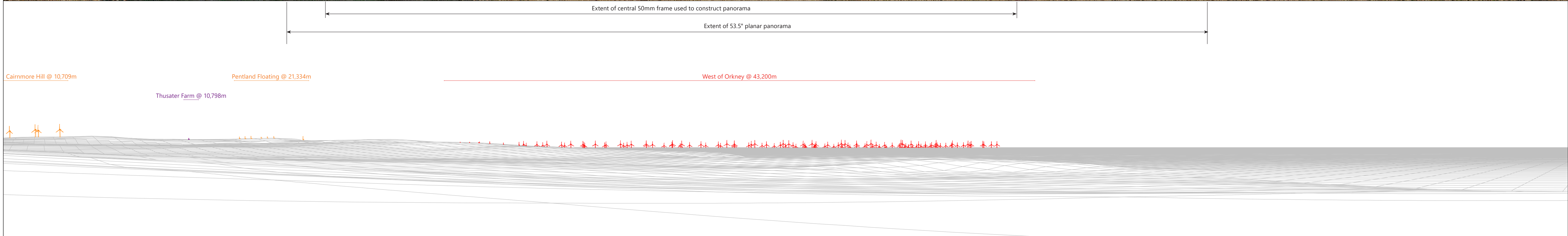
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North view



Baseline photograph

This image provides landscape and visual context only



Wireline drawing

View flat at a comfortable arm's length

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:	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



Client
West of Orkney Offshore Wind Farm
EIA Report

Figure 18.VP18b
Viewpoint 18:
A836 Between Thurso and Castletown

July 2023



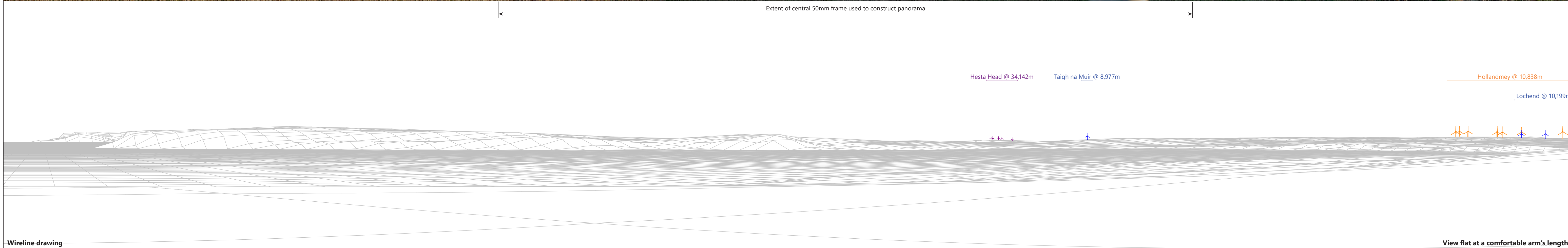
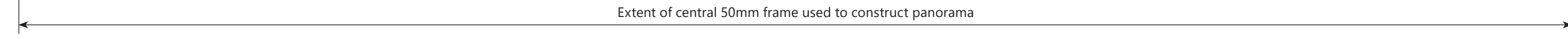
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Originator: wisco3

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 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

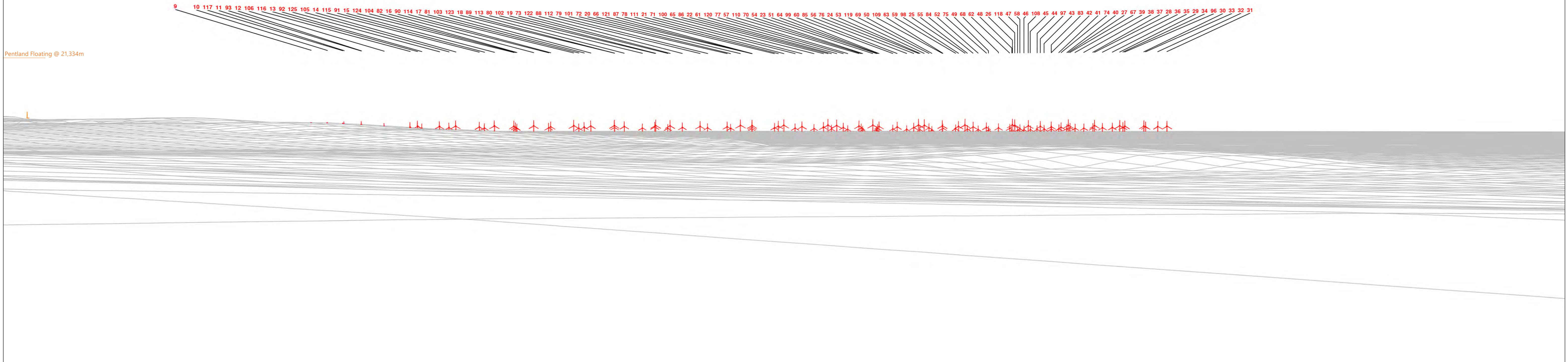
July 2023



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Pentland Floating @ 21,334m



Wireline drawing

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



View flat at a comfortable arm's length

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Originator: wisc03



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
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.VP18e
Viewpoint 18:
A836 Between Thurso and Castletown

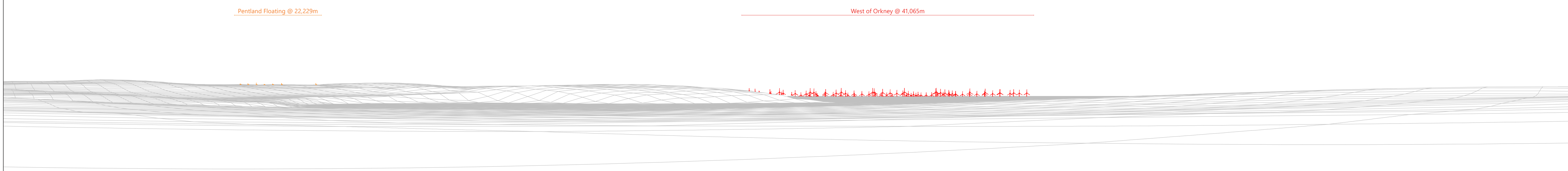
July 2023



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

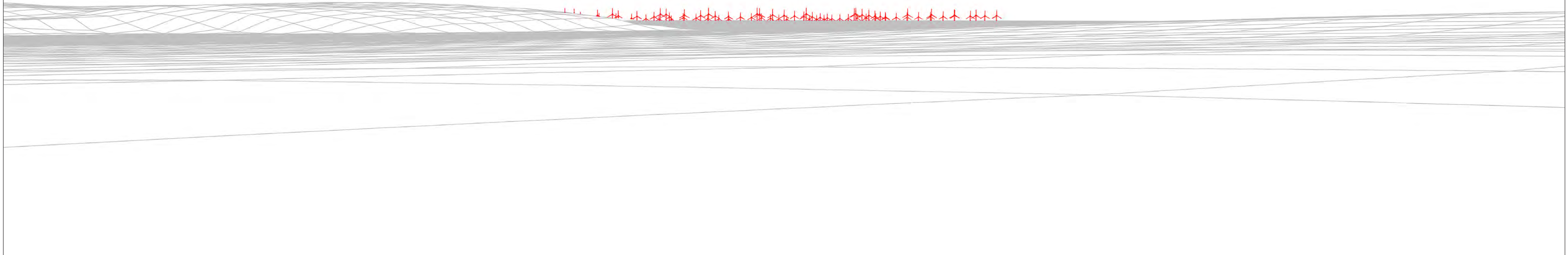
February 2023



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 Originator: whic03

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Originator: whic03
H:\Data\Projects\052781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\Design\Stage\052781-FG-SA-00052_03.indd



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

H:\Data\Projects\852781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\Design\VP18i A836 Castletown\852781-FG-SA-00052_13.indd Originator: whic03



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



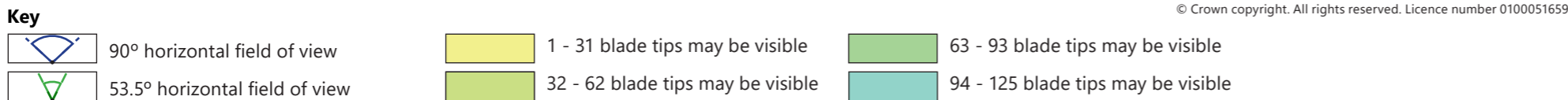
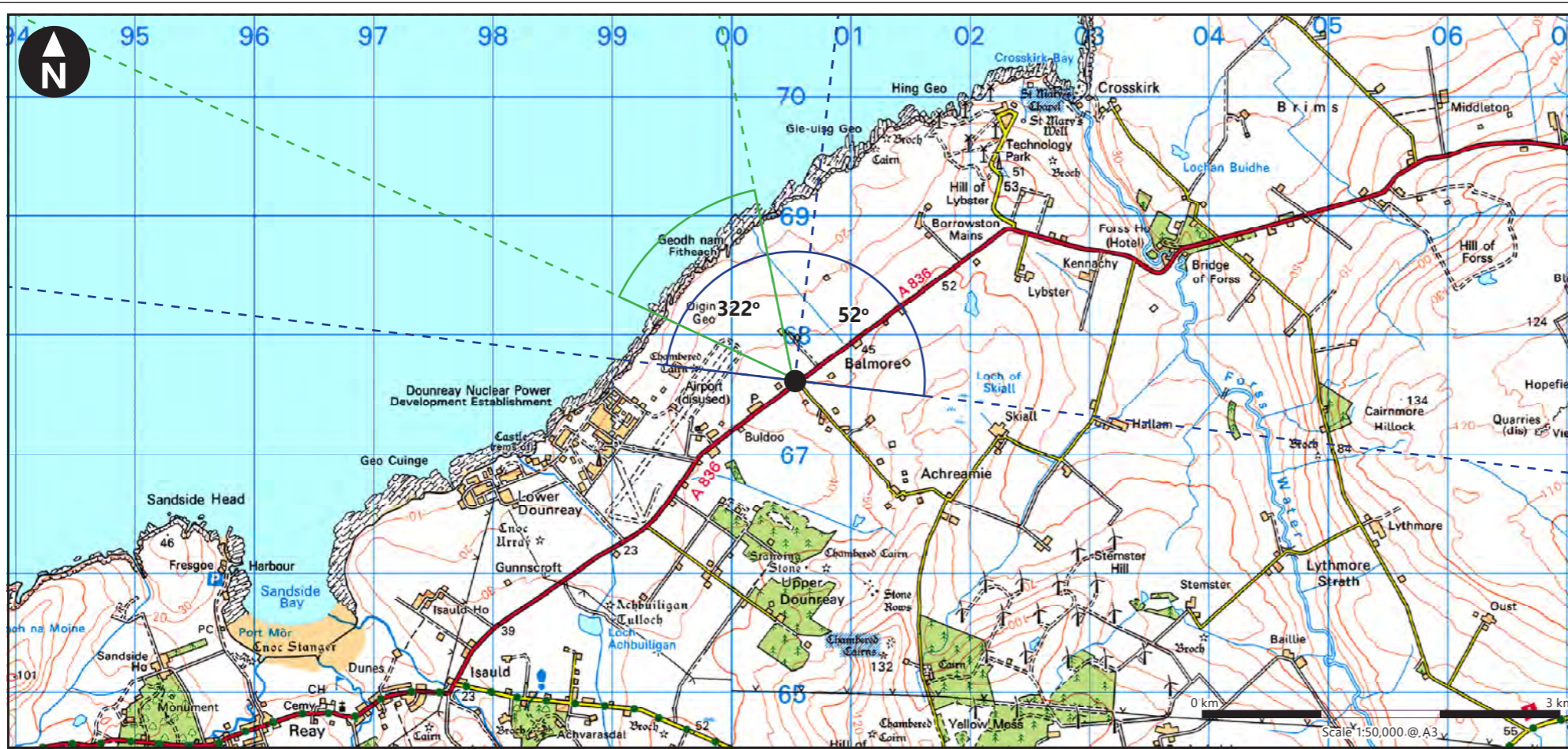
West of Orkney Offshore Wind Farm
EIA Report

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

February 2023



H:\data\Projects\853781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\InDesign\2023-07 Extra\VP19 NS Downrey 853781-FG-SA-00037_RS.indd Originator: wilsco3



Viewpoint Parameters

OS reference:	N300 533, E967 612
Ground Level Elevation:	49m AOD
Camera Height:	1.5m AGL
Direction of view to site centre ³ :	326°
Distance to nearest turbine:	34,295m
Number of blade tips theoretically visible ⁴ :	125
Number of hubs theoretically visible ⁴ :	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).

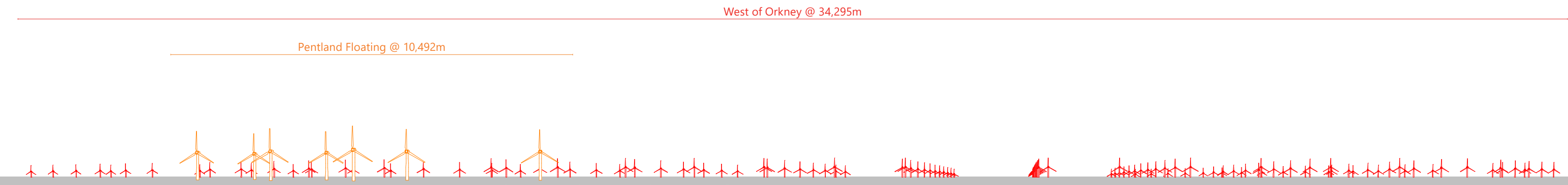
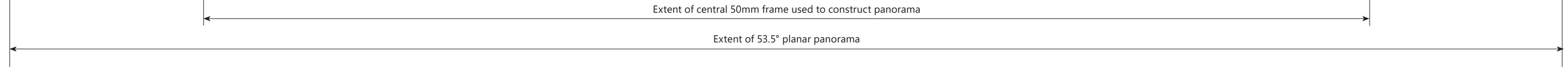
Client	
West of Orkney Offshore Wind Farm EIA Report	
<p>Figure 18.VP19a Viewpoint 19: A836 Downrey</p>	
	
July 2023	

North 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:	N300 533, E967 612	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	50.5m AOD	Principal distance:	522mm	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 130mm	Date and time:	29/10/2022 11:00

Client 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



H:\Data\Projects\052781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\Design\2023-07-Extra\VP19 NS Dounreay A836\052781-EG-SA-00037_RS.mxd Originator: wisc03

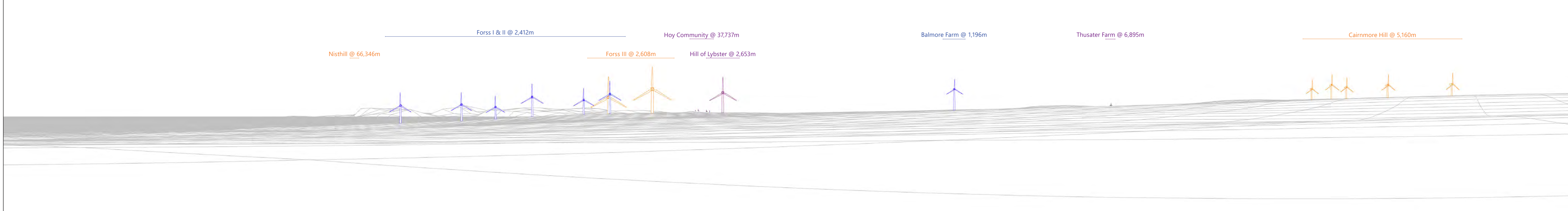
East view



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:	N300 533, E967 612	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	50.5m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	52°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	34,295m	Correct printed image size:	820 x 130mm	Date and time:	29/10/2022 11:00



Client
West of Orkney Offshore Wind Farm
EIA Report

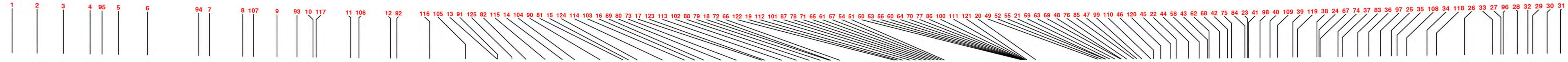
Figure 18.VP19c
Viewpoint 19:
A836 Dounreay

July 2023



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Pentland Floating @ 10,492m



Wireline drawing

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

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.VP19d
Viewpoint 19:
A836 Downrey

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



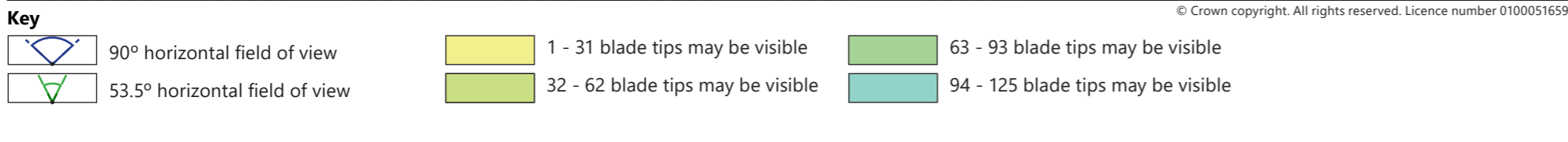
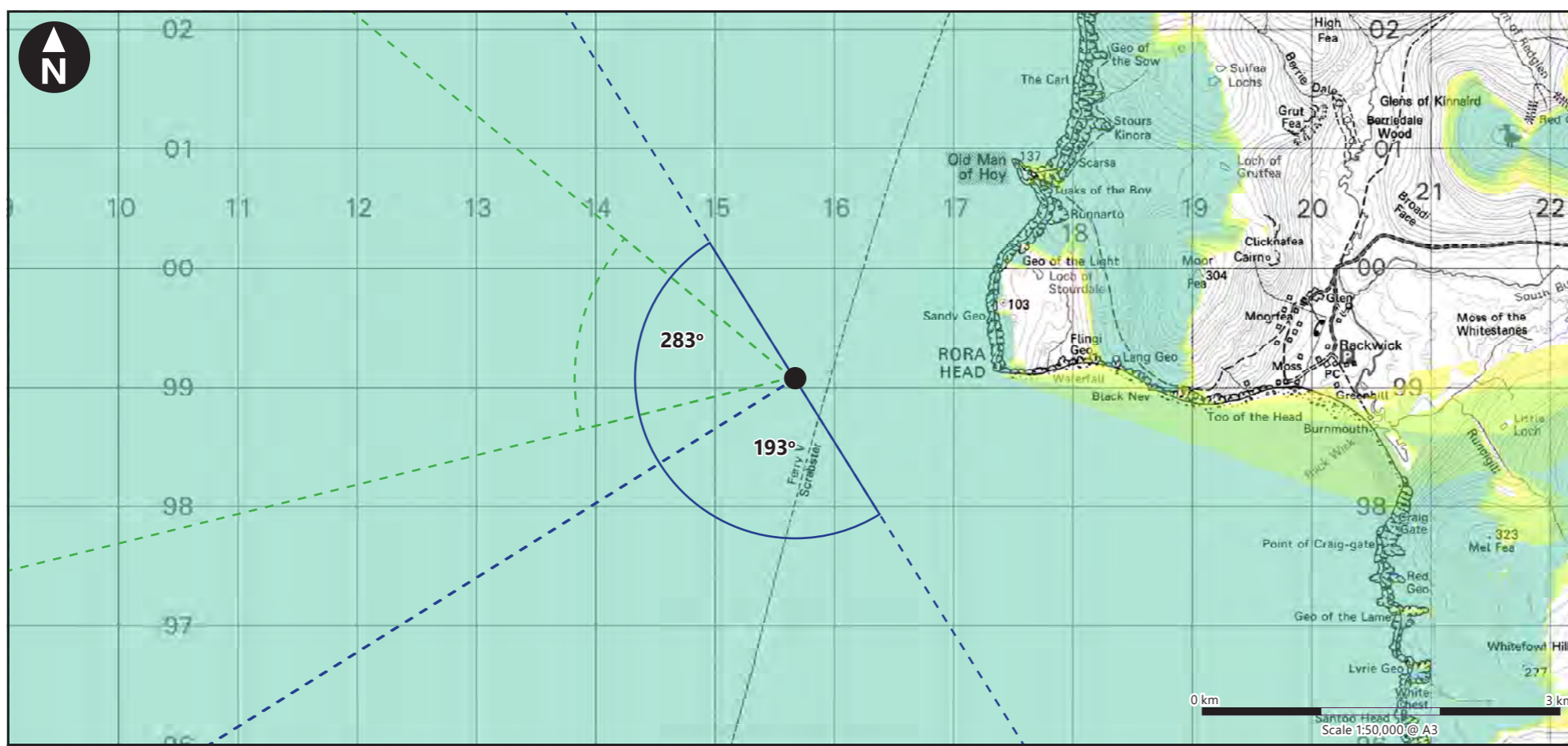
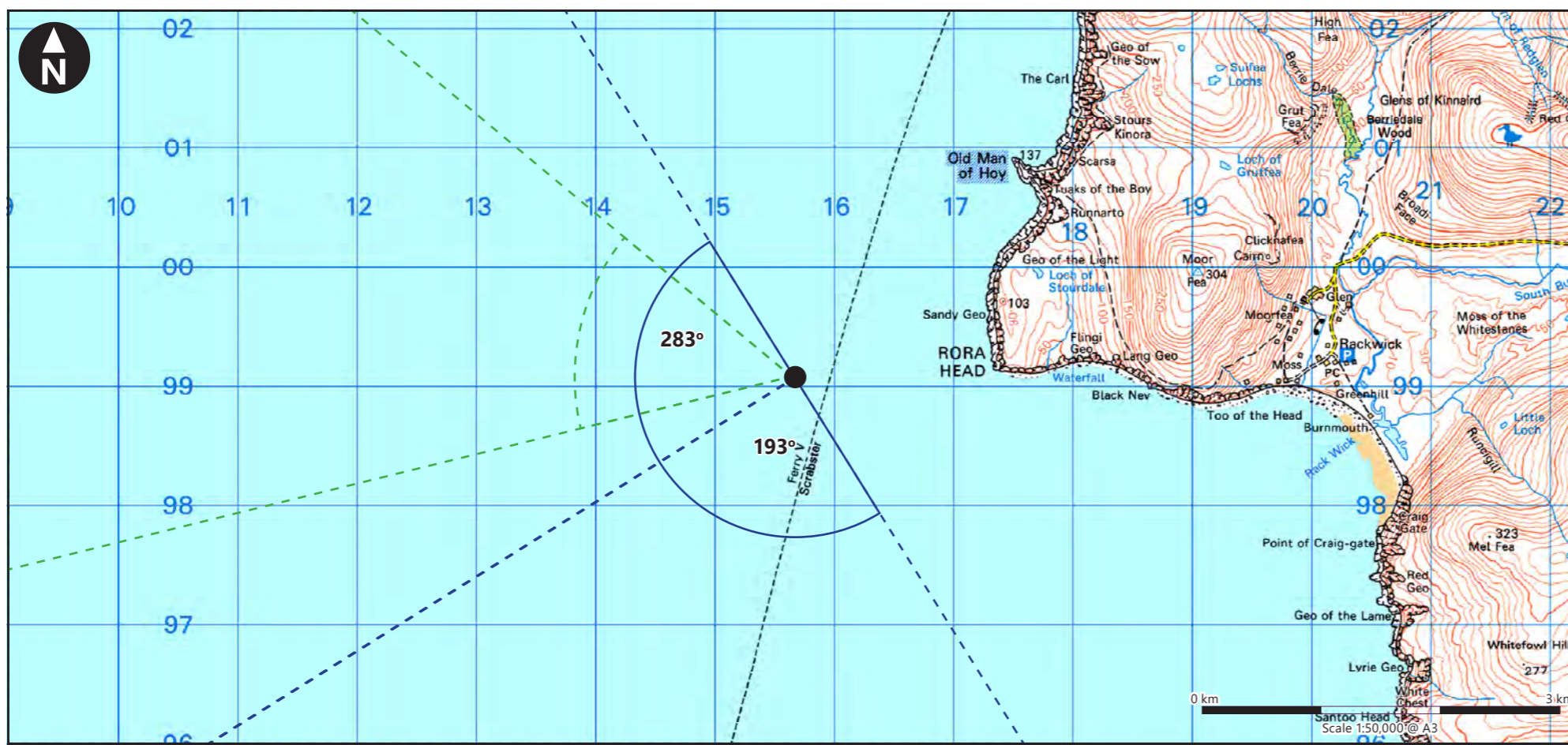
Client
West of Orkney Offshore Wind Farm
EIA Report

Figure 18.VP19e
Viewpoint 19:
A836 Downrey

July 2023



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Viewpoint Parameters

OS reference:	N315 668, E999 075
Ground Level Elevation:	18m AOD
Camera Height:	1.5m AGL
Direction of view to site centre ³ :	278°
Distance to nearest turbine:	26,023m
Number of blade tips theoretically visible ⁴ :	125
Number of hubs theoretically visible ⁴ :	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;
- 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.VP20a Viewpoint 20: Scrabster - Stromness Ferry	
	
July 2023	

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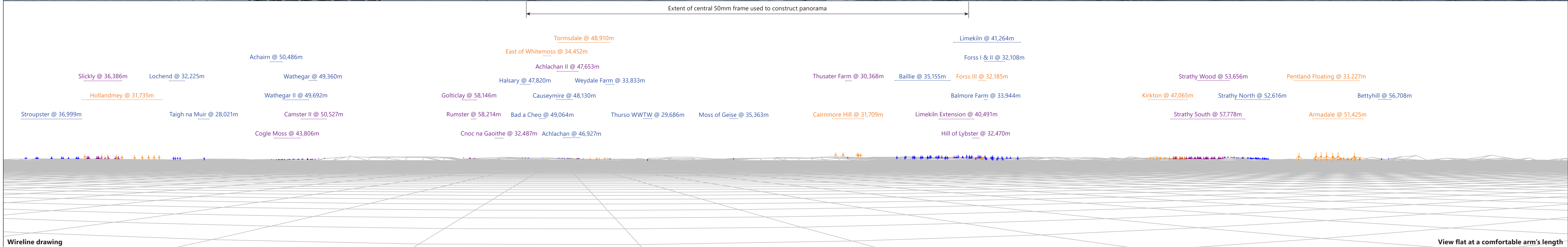
South view



Baseline photograph

This image provides landscape and visual context only

Extent of central 50mm frame used to construct panorama



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

OS reference:	N315 668, E999 075	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	19.5m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	193°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	26,023m	Correct printed image size:	820 x 130mm	Date and time:	30/11/2022 09:25

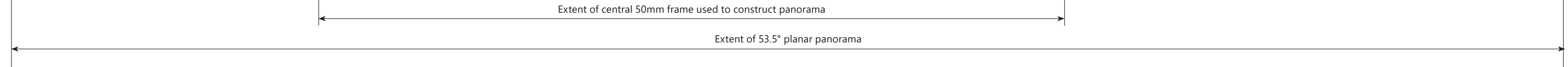
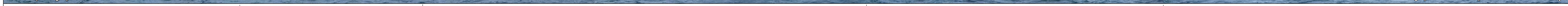
Client		West of Orkney Offshore Wind Farm EIA Report	Figure 18.VP20b Viewpoint 20: Scrabster - Stromness Ferry	July 2023	
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West view

Baseline photograph

This image provides landscape and visual context only



West of Orkney @ 26,023m

Wireline drawing

View flat at a comfortable arm's length

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

OS reference:	N315 668, E999 075	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	19.5m AOD	Principal distance:	522mm	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 130mm	Date and time:	30/11/2022 09:25



Client
West of Orkney Offshore Wind Farm
EIA Report

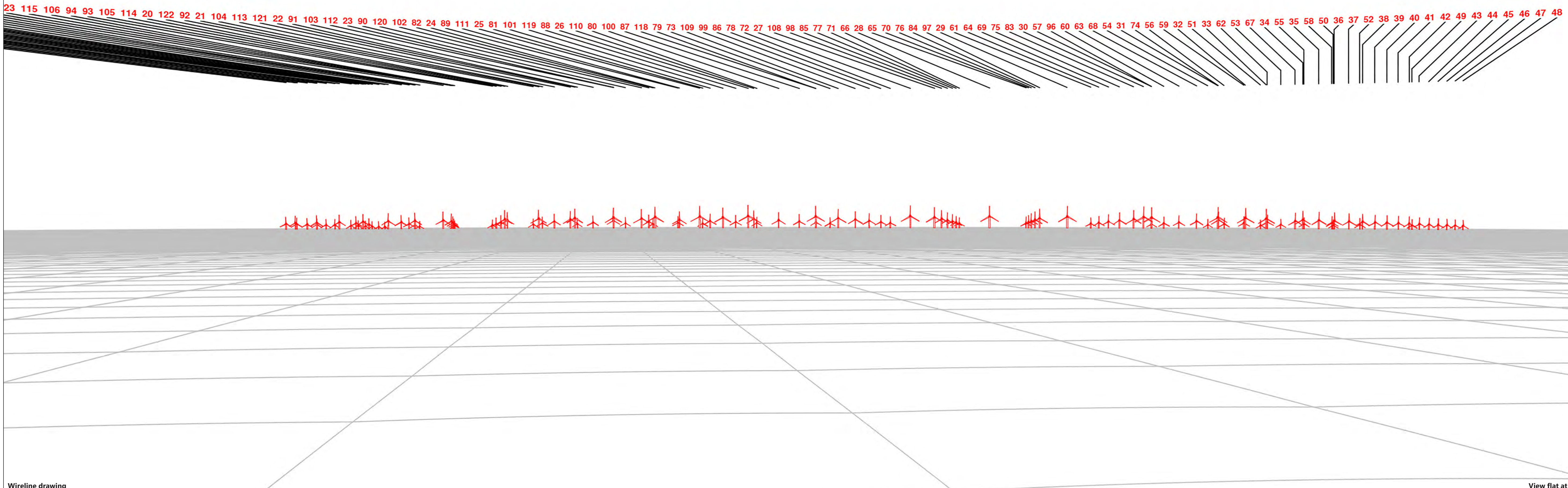
Figure 18.VP20c
Viewpoint 20:
Scrabster - Stromness Ferry

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:	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



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

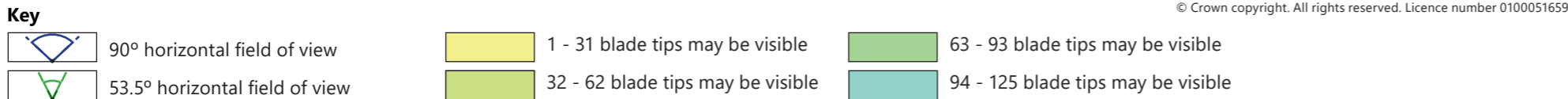


West of Orkney Offshore Wind Farm
EIA Report

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 ³ :	277°
Distance to nearest turbine:	30,840m
Number of blade tips theoretically visible ⁴ :	58
Number of hubs theoretically visible ⁴ :	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	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:	172°	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	Figure 18.VP21b Viewpoint 21: Rackwick Bay at Bothy Bench	

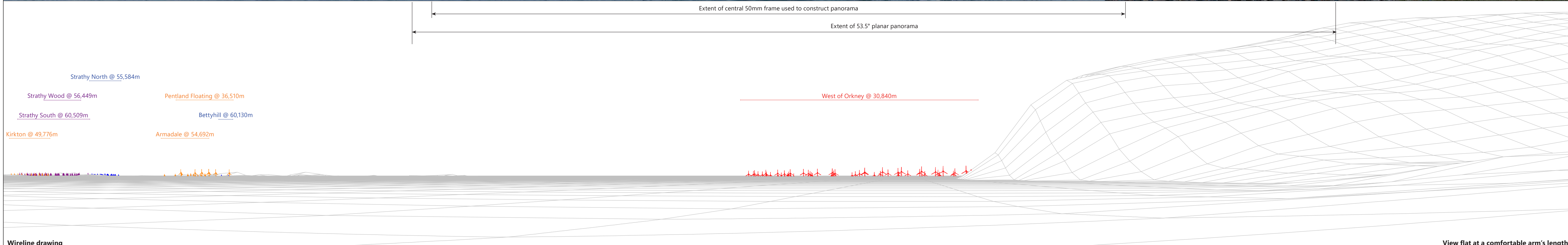
July 2023

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West view

Baseline photograph

This image provides landscape and visual context only



Wireline drawing

View flat at a comfortable arm's length

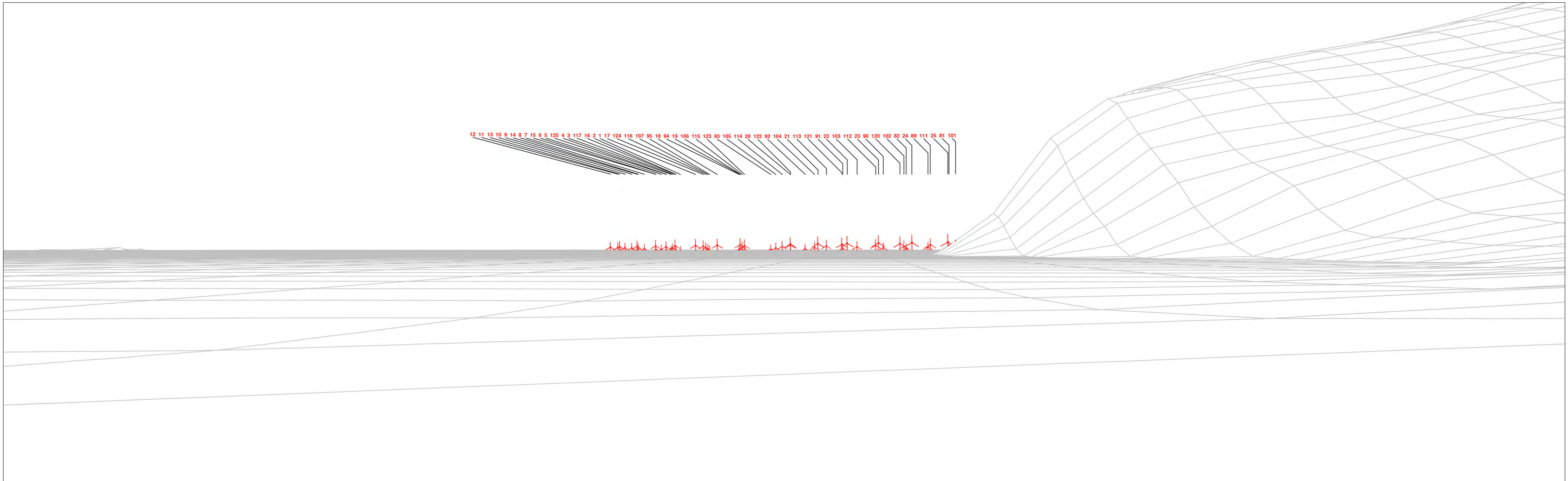
Wind Farm Key: West of Orkney Wind Farm Existing Consented Application

OS reference:	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	Figure 18.VP21c Viewpoint 21: Rackwick Bay at Bothy Bench	
			July 2023	

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Originator: willc03



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

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:	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.VP21e
Viewpoint 21:
Rackwick Bay at Bothy Bench

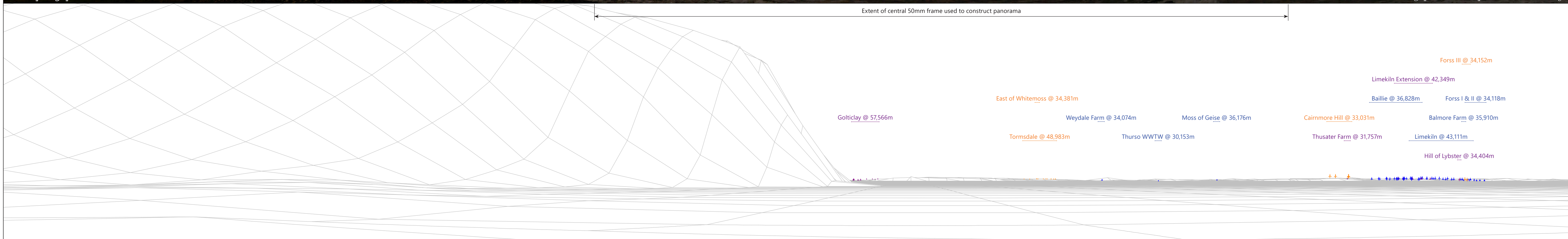
July 2023



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:	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:	172°	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

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

March 2023

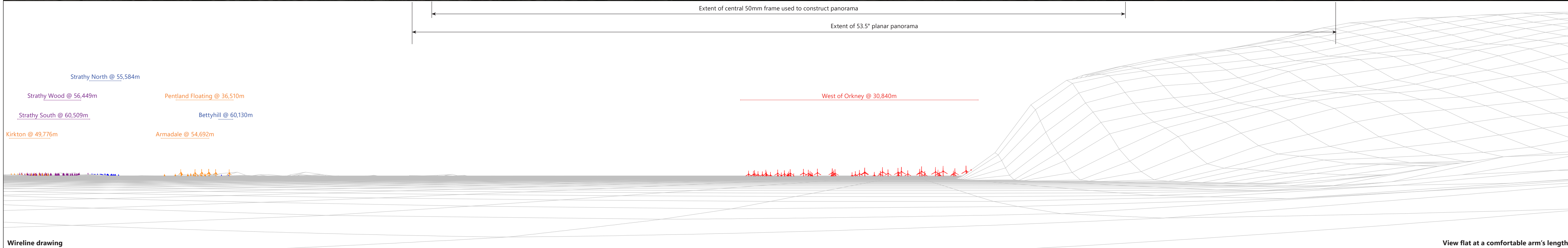


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 Originator: whsc03

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

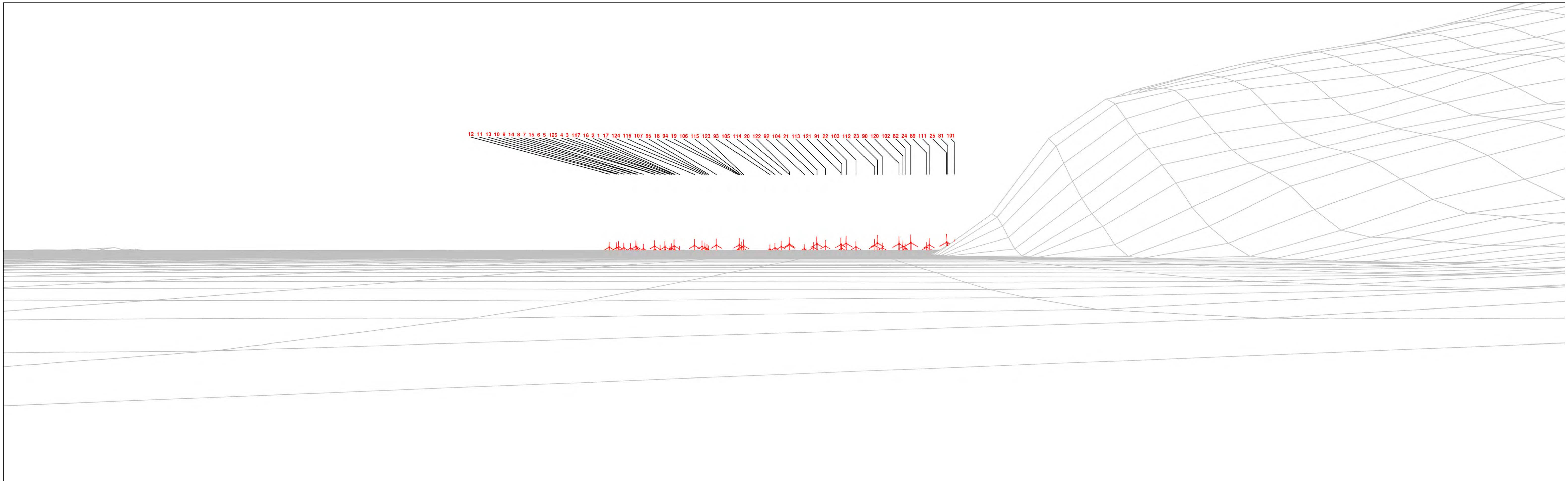
OS reference:	N320 473, E998 731	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	6.5m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	262°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	30,840m	Correct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

	Client	West of Orkney Offshore Wind Farm EIA Report	Figure 18.VP21g Viewpoint N21: Rackwick Bay at Bothy Bench	
	March 2023			

V:\Projects\853781 - West of Orkney Offshore Wind Farm\Deliverables\StageD Design_Technical\In Design\VP21 - Rackwick 853781-FG-5A-00059_01.indd

Originator: whs03

V:\Projects\853781 - West of Orkney Offshore Wind Farm\Deliverables\Stage2 Design\Technical\In Design\VP21 NS Rackwick 853781-FG-SA-00093_R1.indd
 Originator: whs03



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



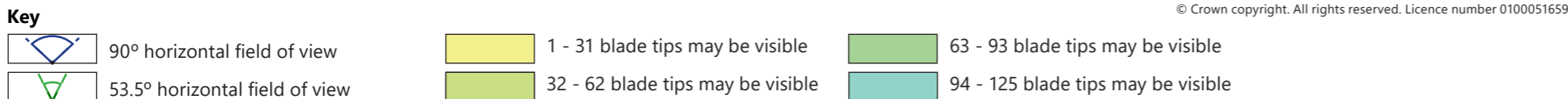
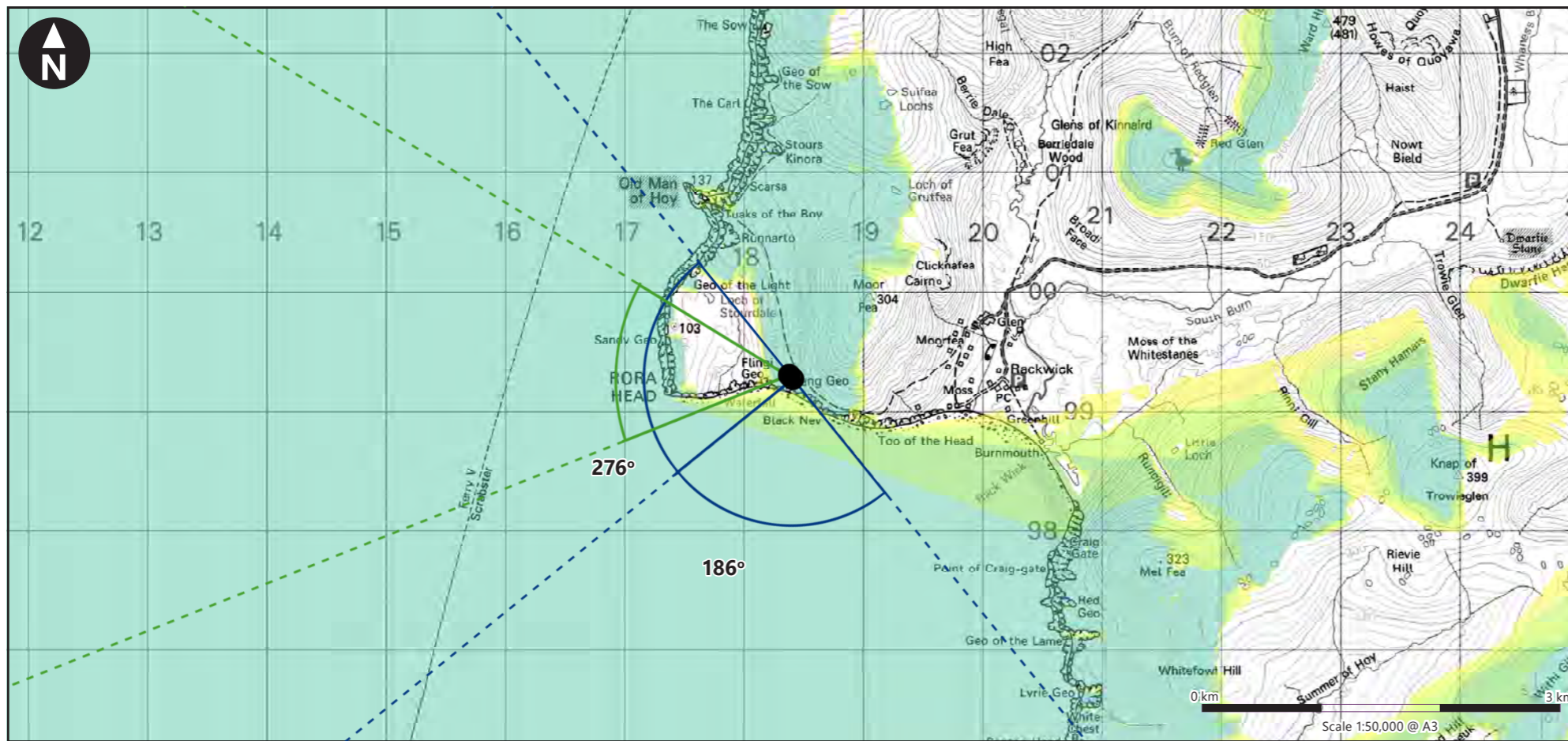
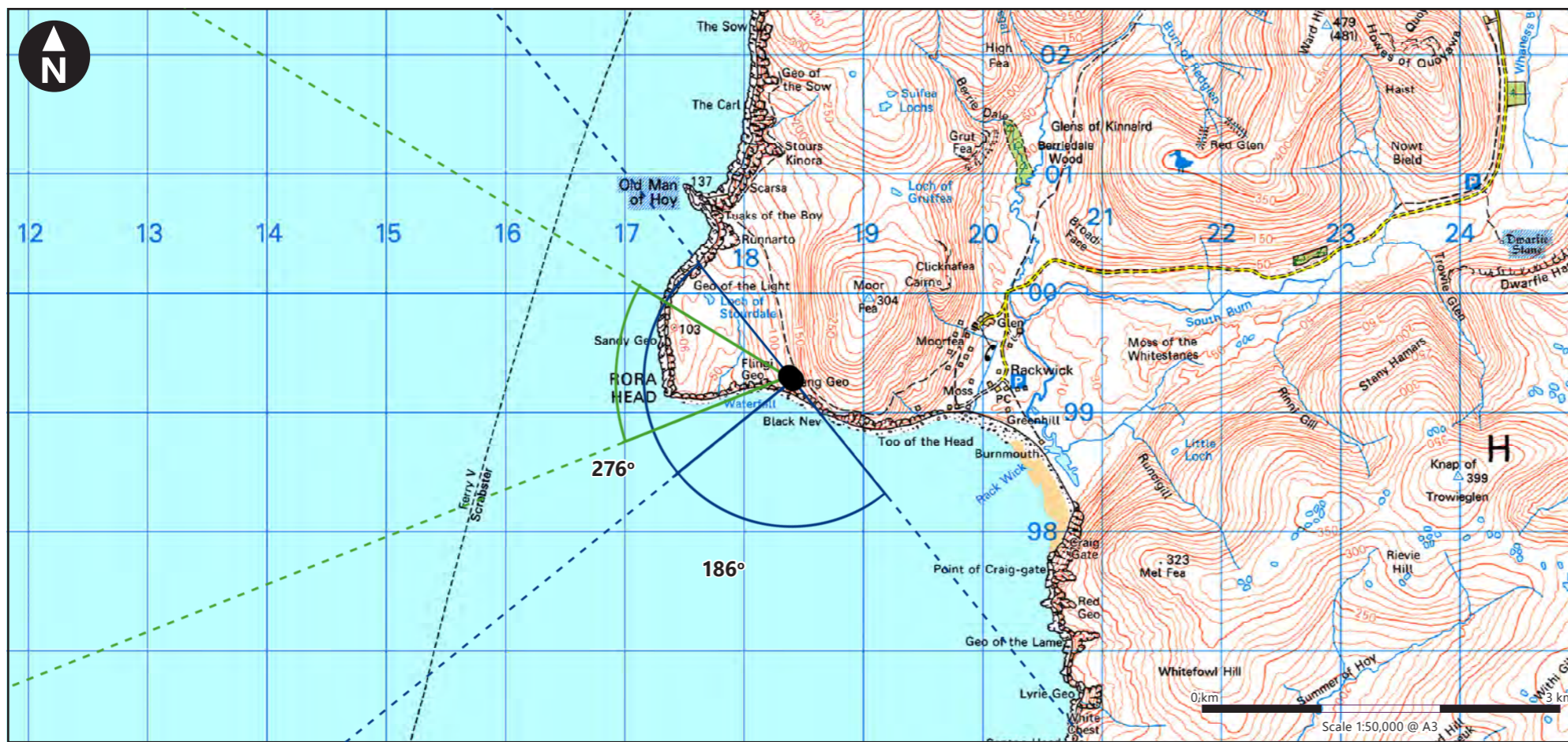
Client
West of Orkney Offshore Wind Farm
EIA Report

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

View flat at a comfortable arm's length

March 2023





Viewpoint Parameters

OS reference:	E318 452, N999 315
Ground Level Elevation:	137m AOD
Camera Height:	1.5m AGL
Direction of view to site centre ³ :	276°
Distance to nearest turbine:	28,961m
Number of blade tips theoretically visible ⁴ :	125
Number of hubs theoretically visible ⁴ :	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).

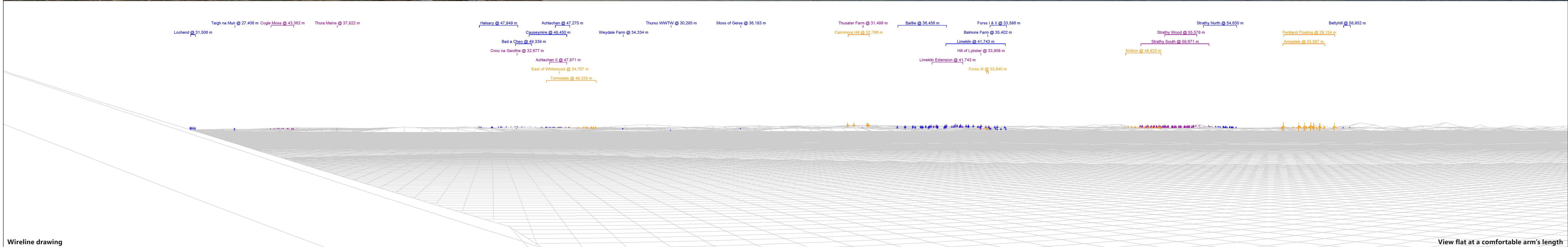
Client	
West of Orkney Offshore Wind Farm EIA Report	
Figure 18.VP22a Viewpoint 22: Path to Old Man of Hoy	
July 2023	
	

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: [Icon] West of Orkney Wind Farm [Icon] Existing [Icon] Consented [Icon] 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

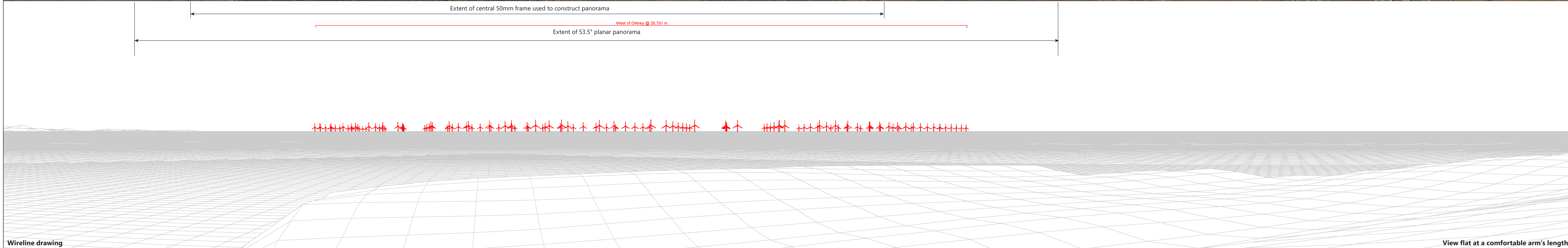
Client		West of Orkney Offshore Wind Farm EIA Report	Figure 18.VP22b Viewpoint 22: Path to Old Man of Hoy	
			July 2023	

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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:	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

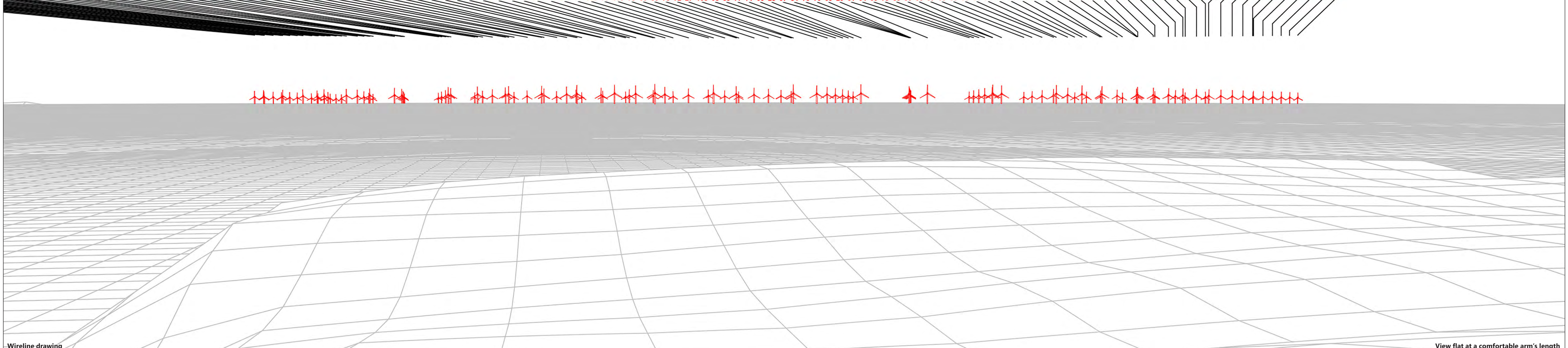
Figure 18.VP22c
Viewpoint 22: Path to Old Man of Hoy

July 2023



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107 18 95 19 123 115 106 94 93 105 114 20 122 92 21 104 113 121 22 91 103 23 112 90 120 102 24 82 111 89 25 81 101 119 88 26 110 80 100 87 118 79 109 73 99 86 78 72 27 108 98 85 77 71 66 28 97 84 76 70 65 29 61 64 69 75 83 30 96 57 60 63 68 31 74 54 32 56 59 33 62 51 67 34 53 35 55 36 58 37 50 38 52 39 40 41 42 49 43 44 45 46 47 48



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:	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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Photomontage

View flat at a comfortable arm's length

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



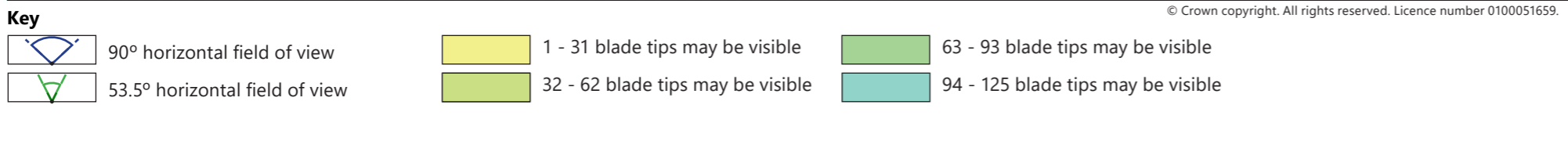
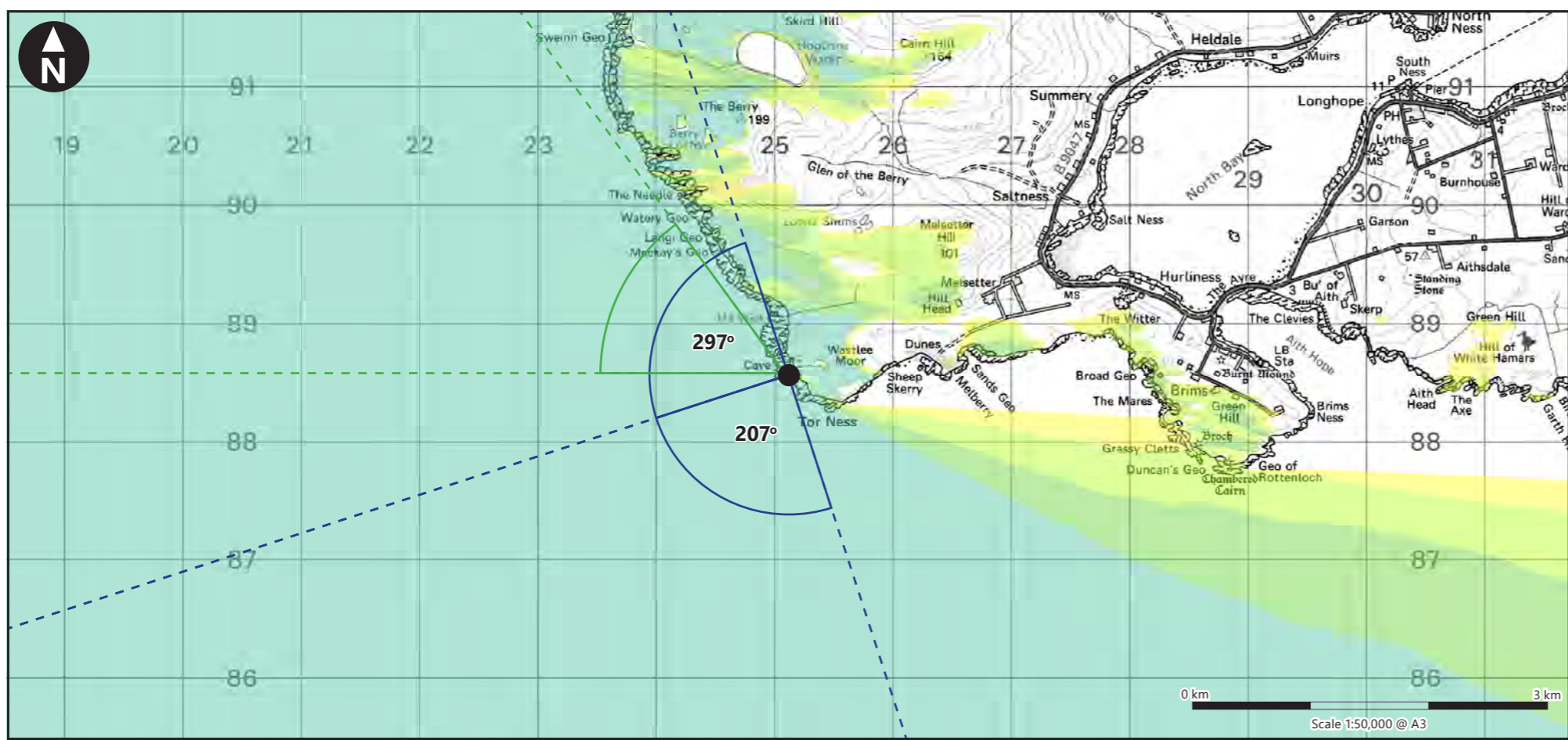
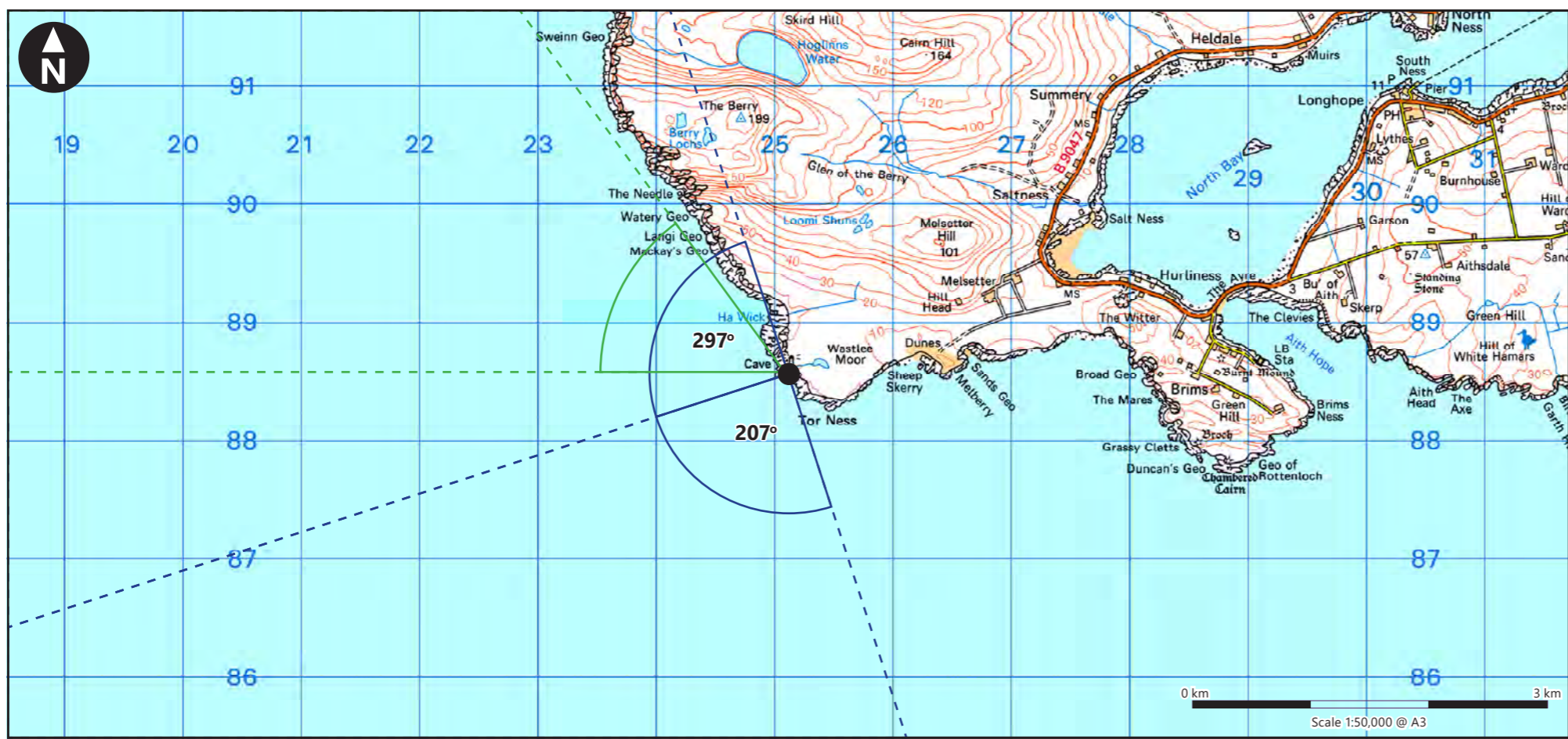
West of Orkney Offshore Wind Farm
EIA Report

Figure 18.VP22e
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 ³ :	297°
Distance to nearest turbine:	37,596m
Number of blade tips theoretically visible ⁴ :	125
Number of hubs theoretically visible ⁴ :	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

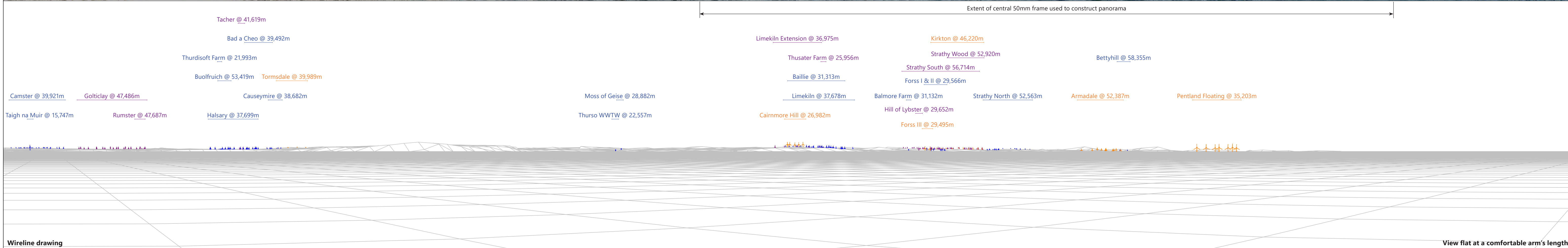


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Southwest view

Baseline photograph

This image provides landscape and visual context only



Wireline drawing

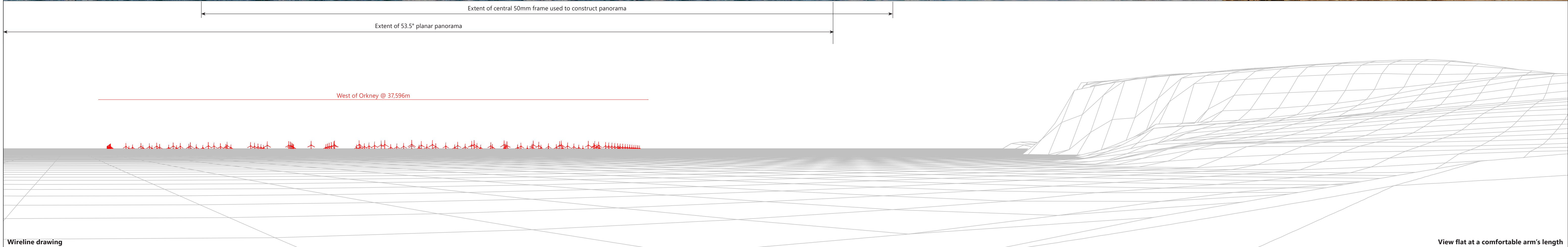
View flat at a comfortable arm's length

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

OS reference:	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	

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View flat at a comfortable arm's length

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:	297°	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

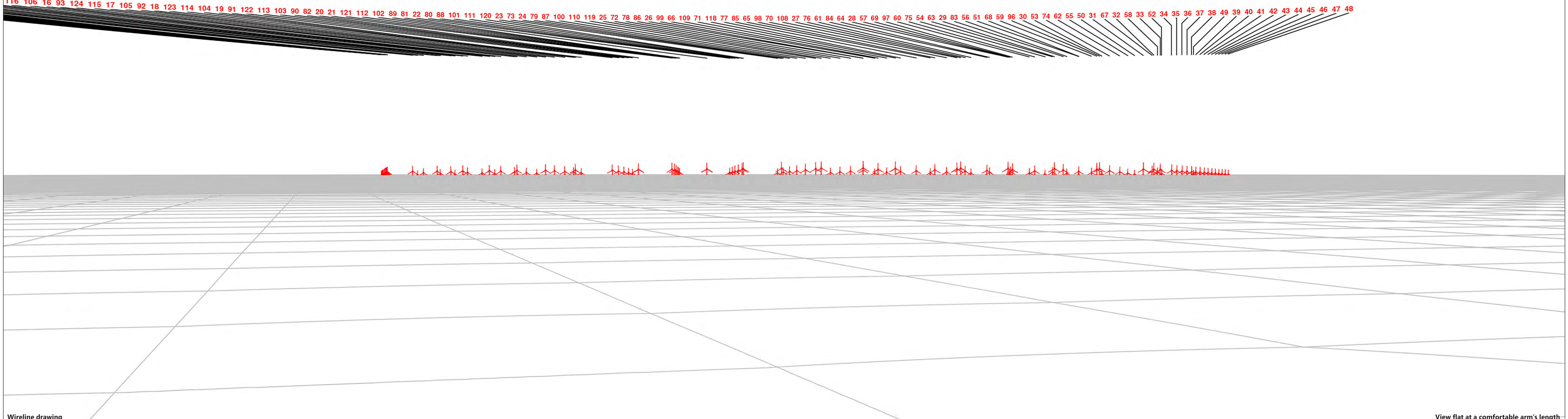
	Client	West of Orkney Offshore Wind Farm EIA Report	Figure 18.VP23c Viewpoint 23: Tor Ness, Hoy	
	Client	West of Orkney Offshore Wind Farm EIA Report	Figure 18.VP23c Viewpoint 23: Tor Ness, Hoy	

July 2023

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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

View flat at a comfortable arm's length

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



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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
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



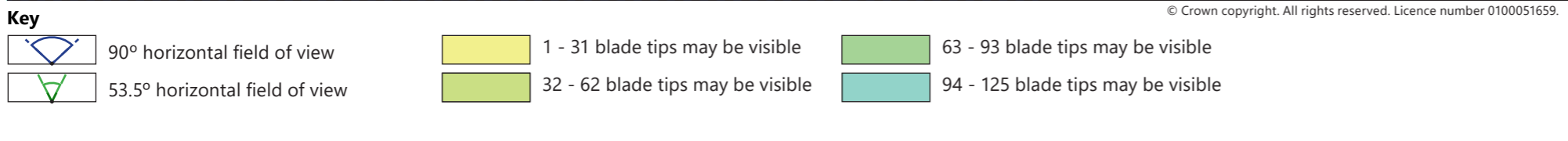
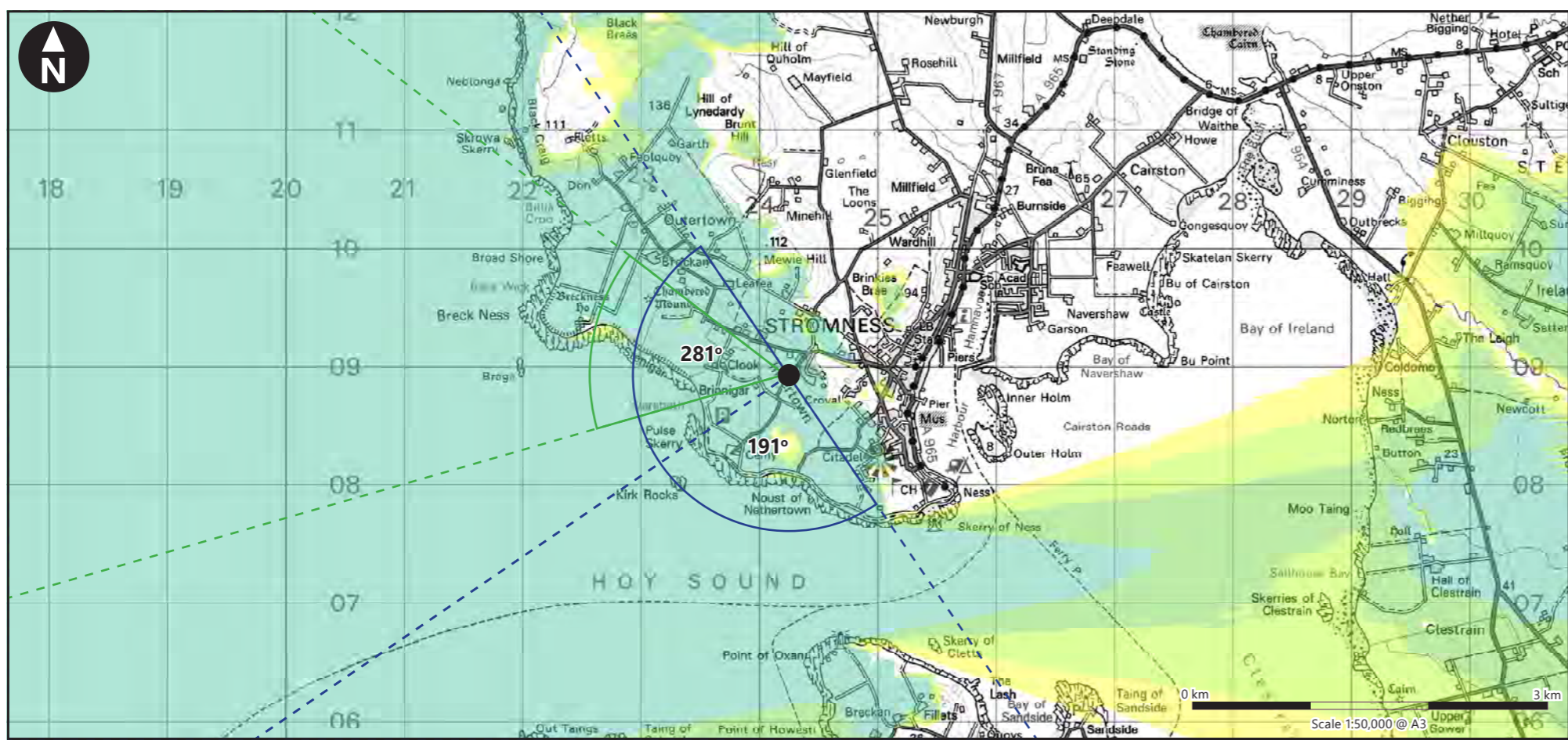
West of Orkney Offshore Wind Farm
EIA Report

Figure 18.VP23e
Viewpoint 23: Tor Ness, Hoy

July 2023



H:\data\Projects\853781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\InDesign\2023-07 Extra\VP24 NS Warebeth 853781-FG-SA-00043_R6.indd Originator: wilsc03



Viewpoint Parameters

OS reference:	N324 250, E1008 926
Ground Level Elevation:	42m AOD
Camera Height:	1.5m AGL
Direction of view to site centre ³ :	281°
Distance to nearest turbine:	34,872m
Number of blade tips theoretically visible ⁴ :	125
Number of hubs theoretically visible ⁴ :	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

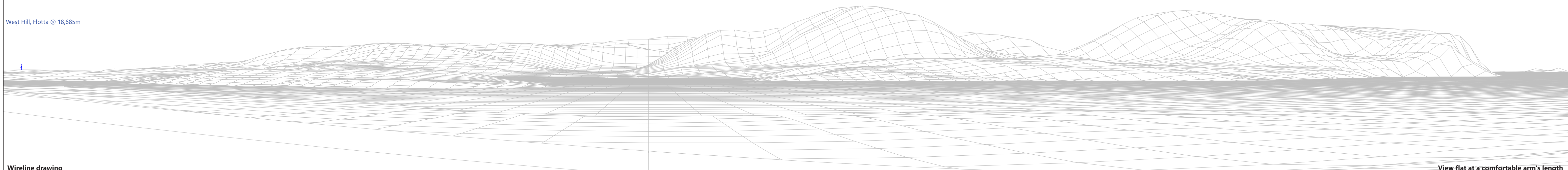


Baseline photograph

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	

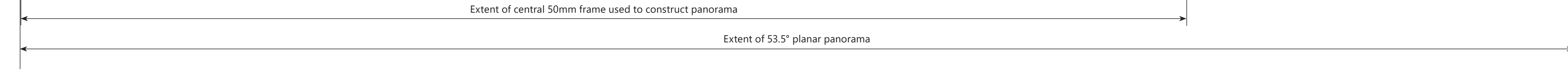
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West view



Baseline photograph

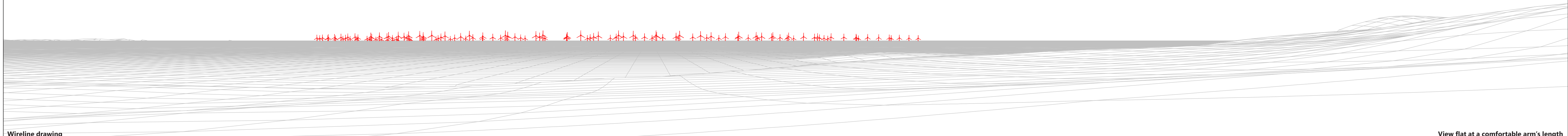
This image provides landscape and visual context only



Extent of central 50mm frame used to construct panorama

Extent of 53.5° planar panorama

West of Orkney @ 34,872m



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
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



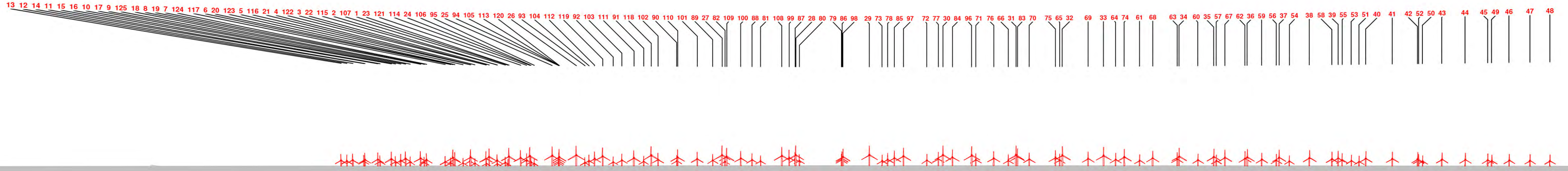
Figure 18.VP24c Viewpoint 24: Warebeth - on Warebeth Road to Beach

July 2023



Originator: wisc03
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Wireline drawing

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

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.VP24d
Viewpoint 24: Warebeth -
on Warebeth Road to Beach

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:	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

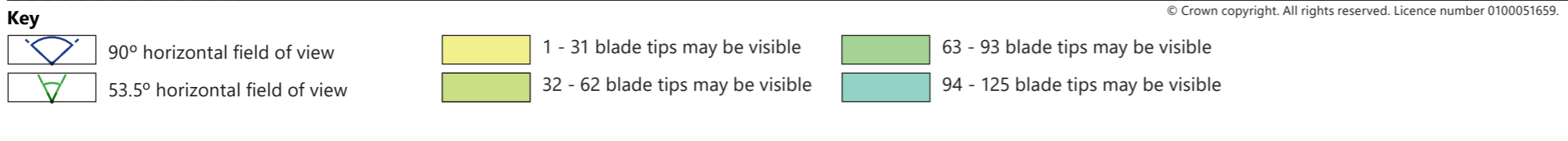
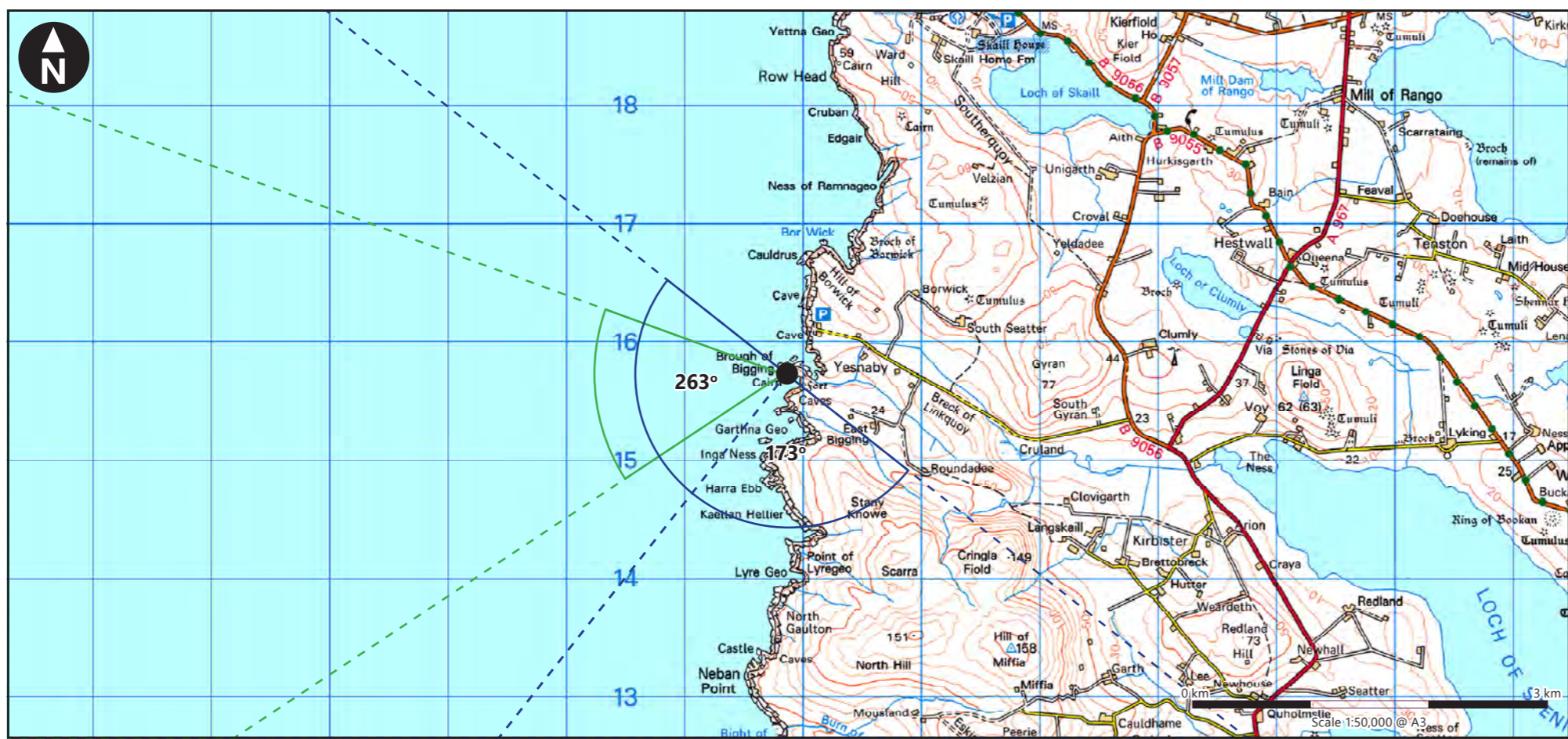


Client
West of Orkney Offshore Wind Farm
EIA Report

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

July 2023 

H:\data\Projects\853781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\InDesign\2023-07 Extra\VP25 NS Yesnaby 853781-FG-SA-00044_R7.indd Originator: wilsc03



Viewpoint Parameters

OS reference:	N321 858, E1015 731
Ground Level Elevation:	7m AOD
Camera Height:	1.5m AGL
Direction of view to site centre ³ :	256°
Distance to nearest turbine:	33,203m
Number of blade tips theoretically visible ⁴ :	125
Number of hubs theoretically visible ⁴ :	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

Figure 18.VP25a
Viewpoint 25: Yesnaby - Brough of Bigging

July 2023



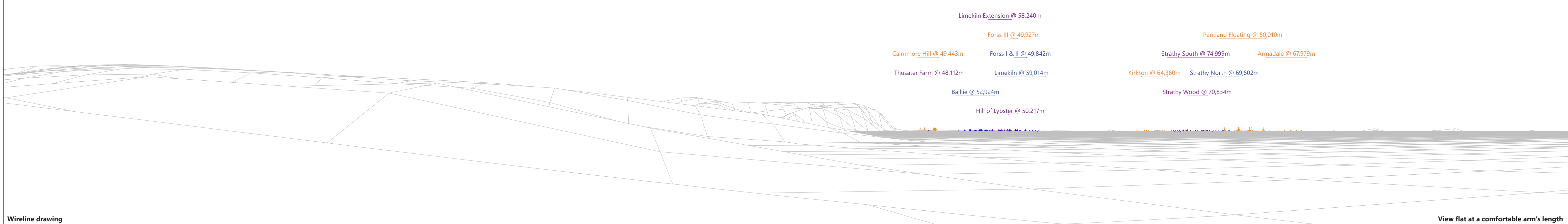
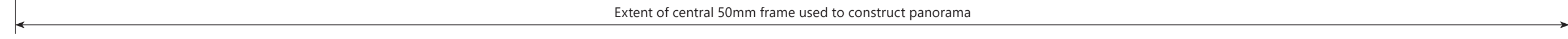
© Crown copyright. All rights reserved. Licence number 0100051659.

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:	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 Offshore Wind Farm EIA Report	Figure 18.VP25b Viewpoint 25: Yesnaby - Brough of Bigging	
			July 2023	

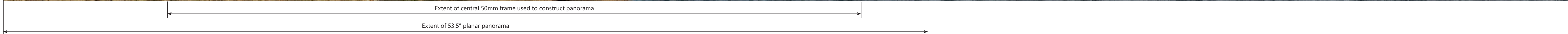
H:\Data\Projects\853781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\Design\2023-07\Extra\VP25 MS Yesnaby 853781-FG-SA-00044_R1.indd Originator: wisc03

West view



Baseline photograph

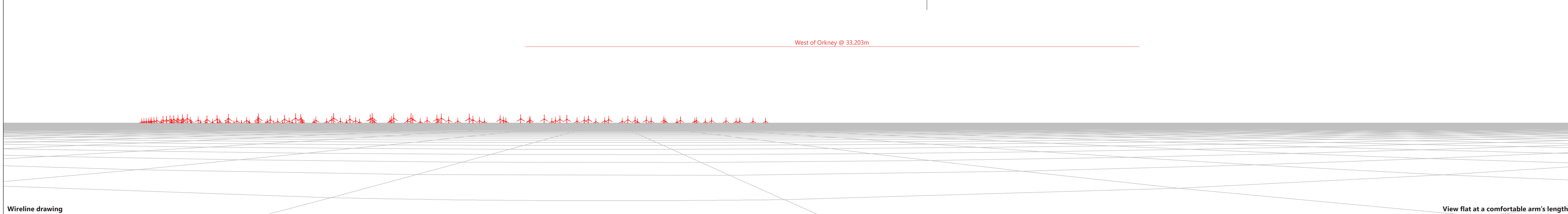
This image provides landscape and visual context only



Extent of central 50mm frame used to construct panorama

Extent of 53.5° planar panorama

West of Orkney @ 33,203m



Wireline drawing

View flat at a comfortable arm's length

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

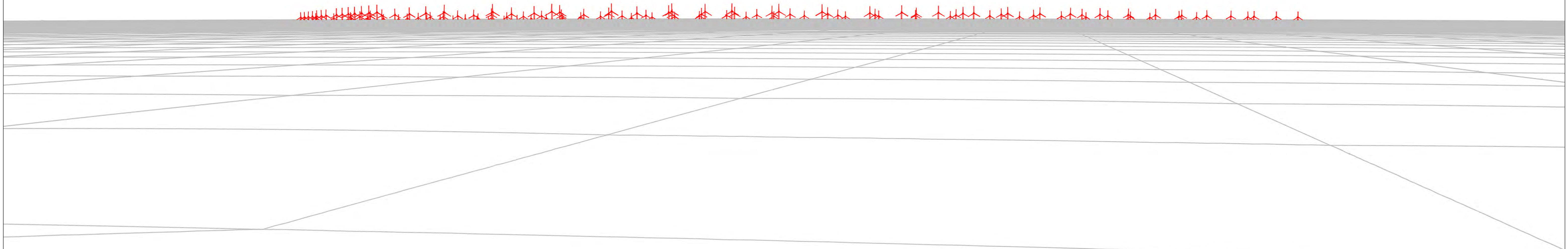
OS reference:	N321 858, E1015 731	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	8.5m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	263°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	33,203m	Correct printed image size:	820 x 130mm	Date and time:	27/11/2022 10:30

Client		West of Orkney Offshore Wind Farm EIA Report	Figure 18.VP25c Viewpoint 25: Yesnaby - Brough of Bigging	
			July 2023	

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1 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 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

Figure 18.VP25d
Viewpoint 25: Yesnaby - Brough of Bigging

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

Figure 18.VP25e
Viewpoint 25: Yesnaby - Brough of Bigging

July 2023



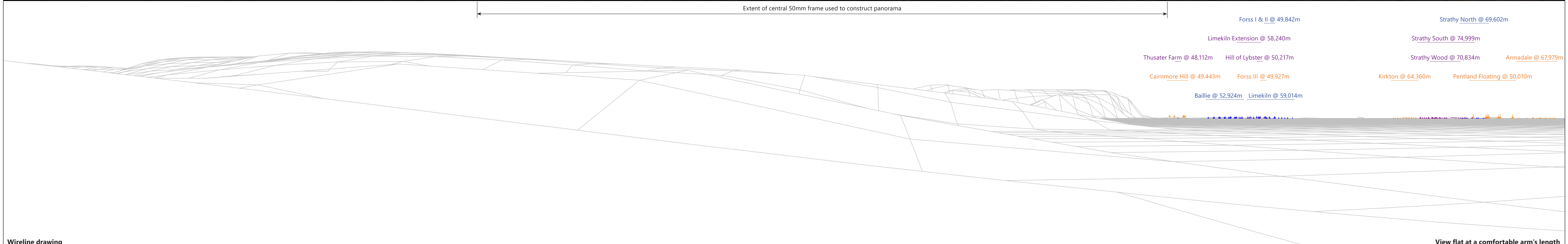
South view

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 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 Offshore Wind Farm EIA Report	Figure 18.VP25f Viewpoint N25: Yesnaby	March 2023	
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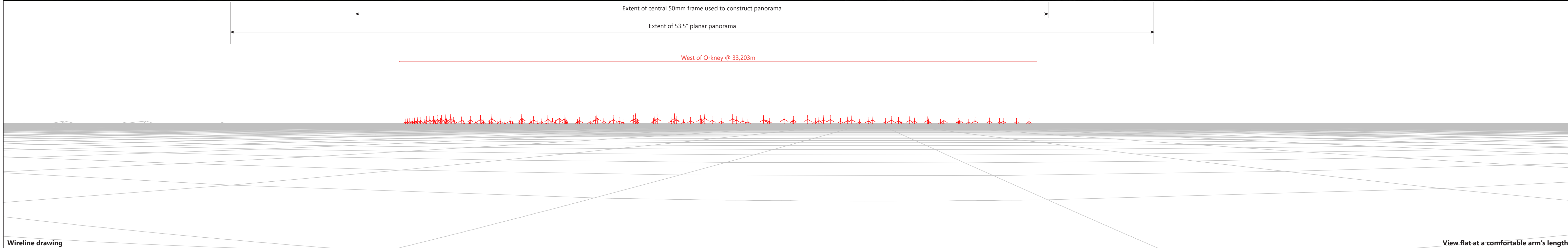
H:\Data\Projects\852781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\InDesign\VP25 Yesnaby 852781-FG-SA-00060_R1.indd Originator: wis03

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 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 Offshore Wind Farm
EIA Report

Figure 18.VP25g
Viewpoint N25: Yesnaby

March 2023

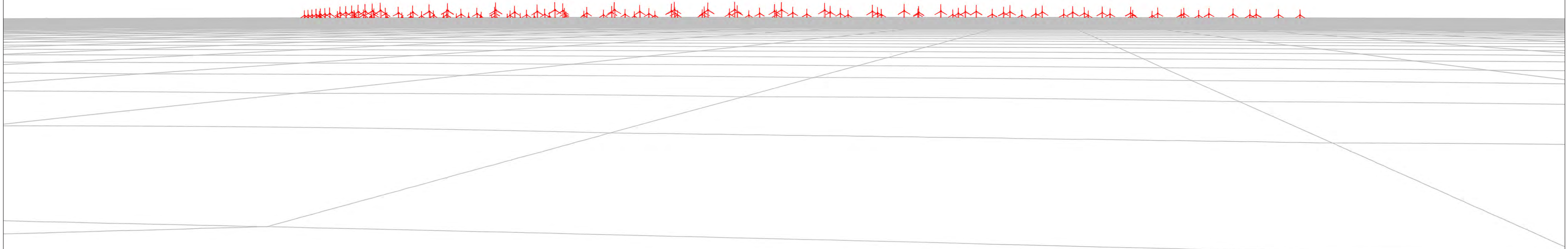


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Originator: wis03

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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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Originator: wis03



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



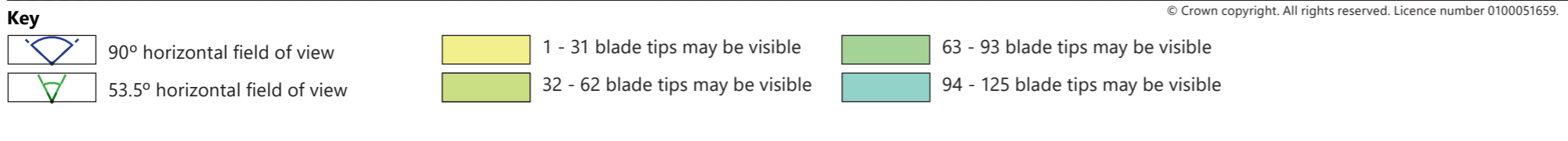
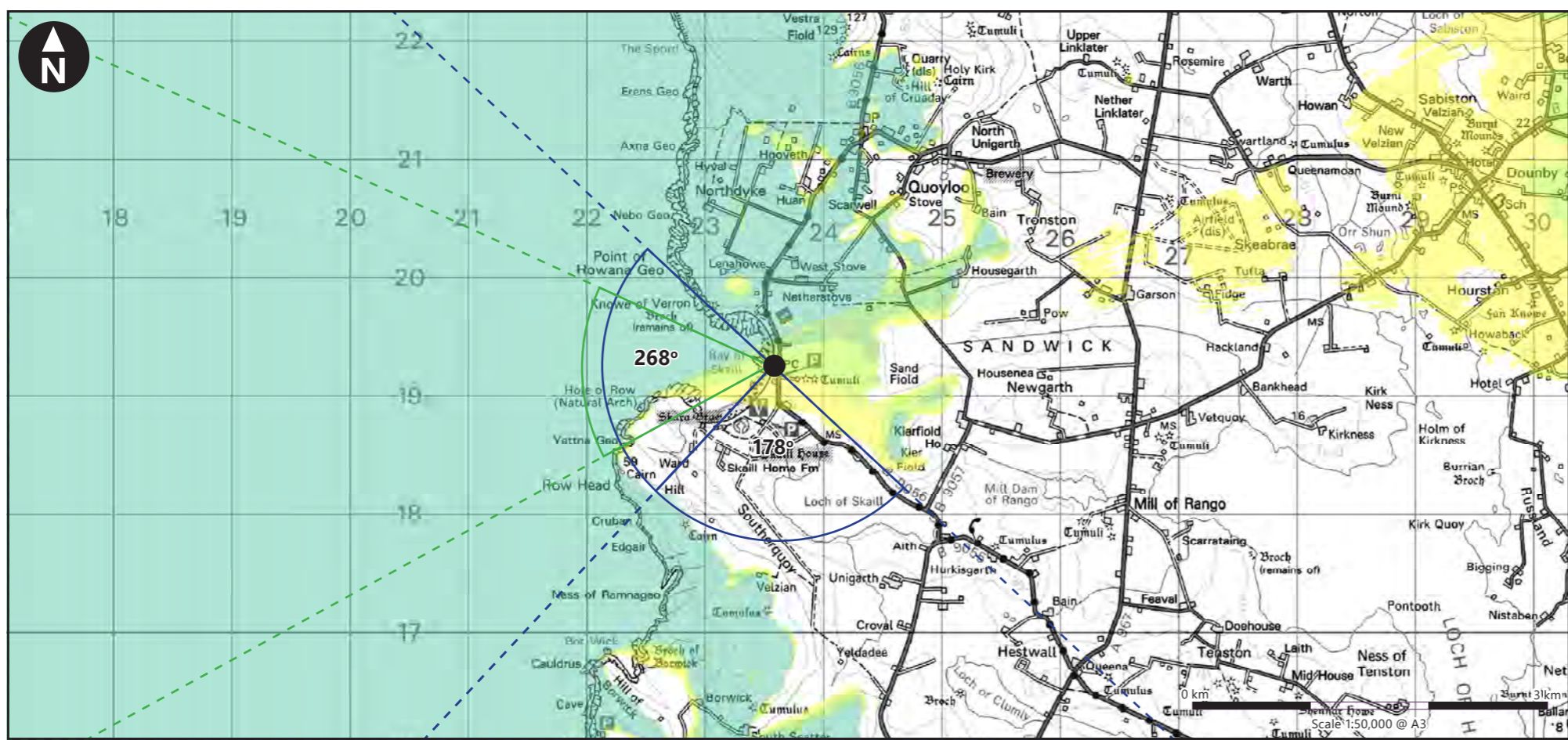
West of Orkney Offshore Wind Farm
EIA Report

Figure 18.VP25i
Viewpoint N25: Yesnaby

March 2023



H:\data\Projects\853781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\InDesign\2023-07 Extra\VP26 NS Bay of Skail 853781-FG-SA-00045_R6.indd Originator: wilsc03



Viewpoint Parameters

OS reference:	N323 569, E1019 257
Ground Level Elevation:	5m AOD
Camera Height:	1.5m AGL
Direction of view to site centre ³ :	253°
Distance to nearest turbine:	35,714m
Number of blade tips theoretically visible ⁴ :	55
Number of hubs theoretically visible ⁴ :	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



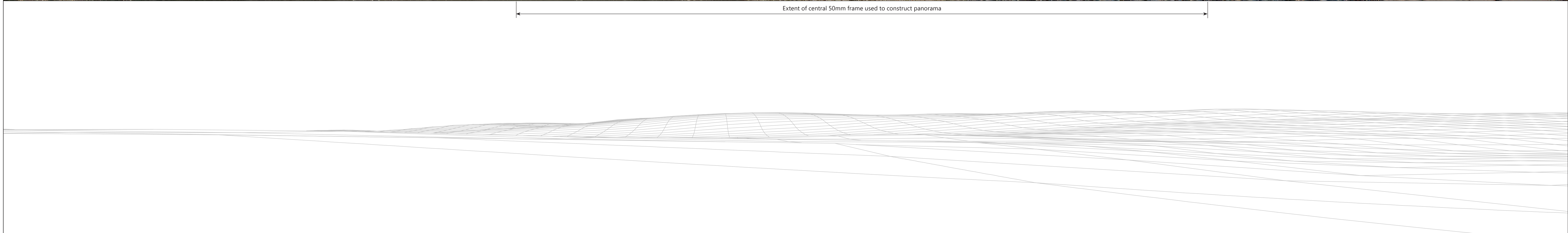
South view



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:	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:	178°	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.VP26b
Viewpoint 26:
Bay of Skaill

July 2023



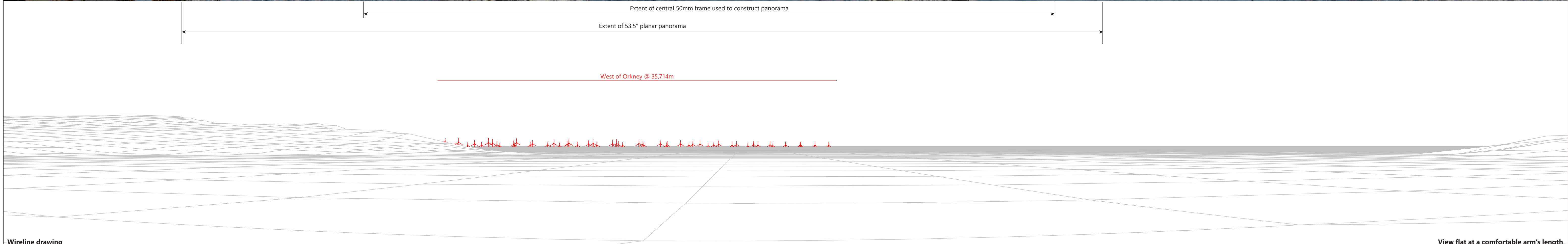
H:\Data\Projects\852781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\Design\2023-07\Extra\VP26 NS Bay of Skaill\VP26 NS Bay of Skaill 852781-FG-SA-00045_R6.indd Originator: wilco03

West view



Baseline photograph

This image provides landscape and visual context only



Wireline drawing

View flat at a comfortable arm's length

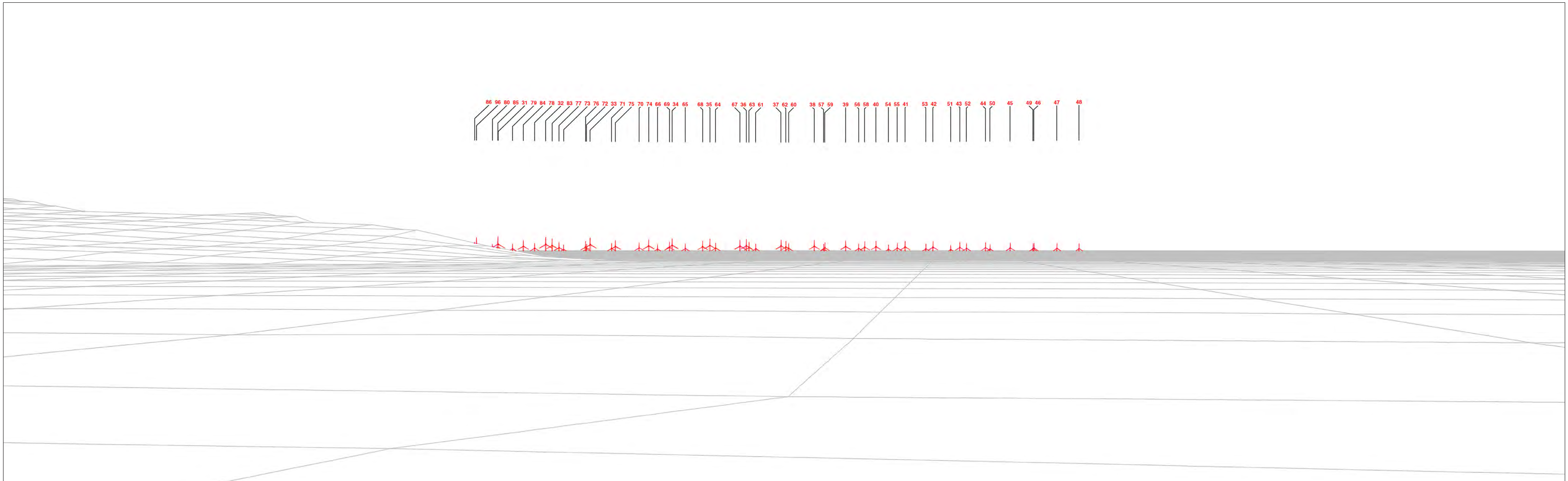
Wind Farm Key: West of Orkney Wind Farm, Existing, Consented, Application

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 Skail	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:	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 Skail

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



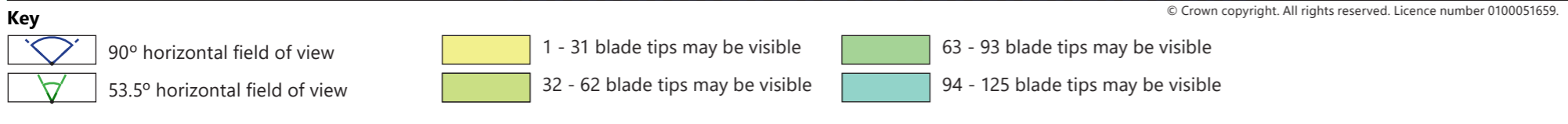
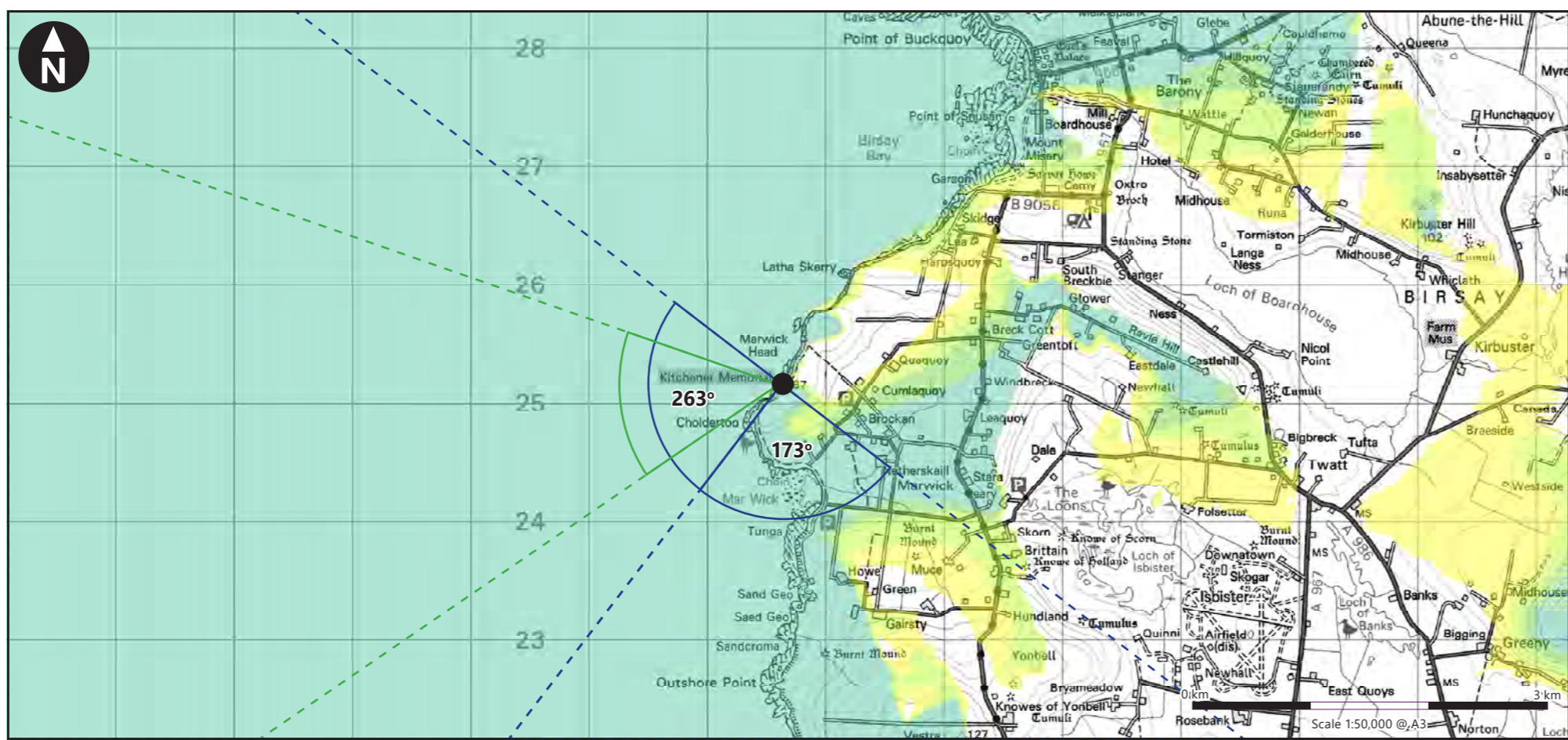
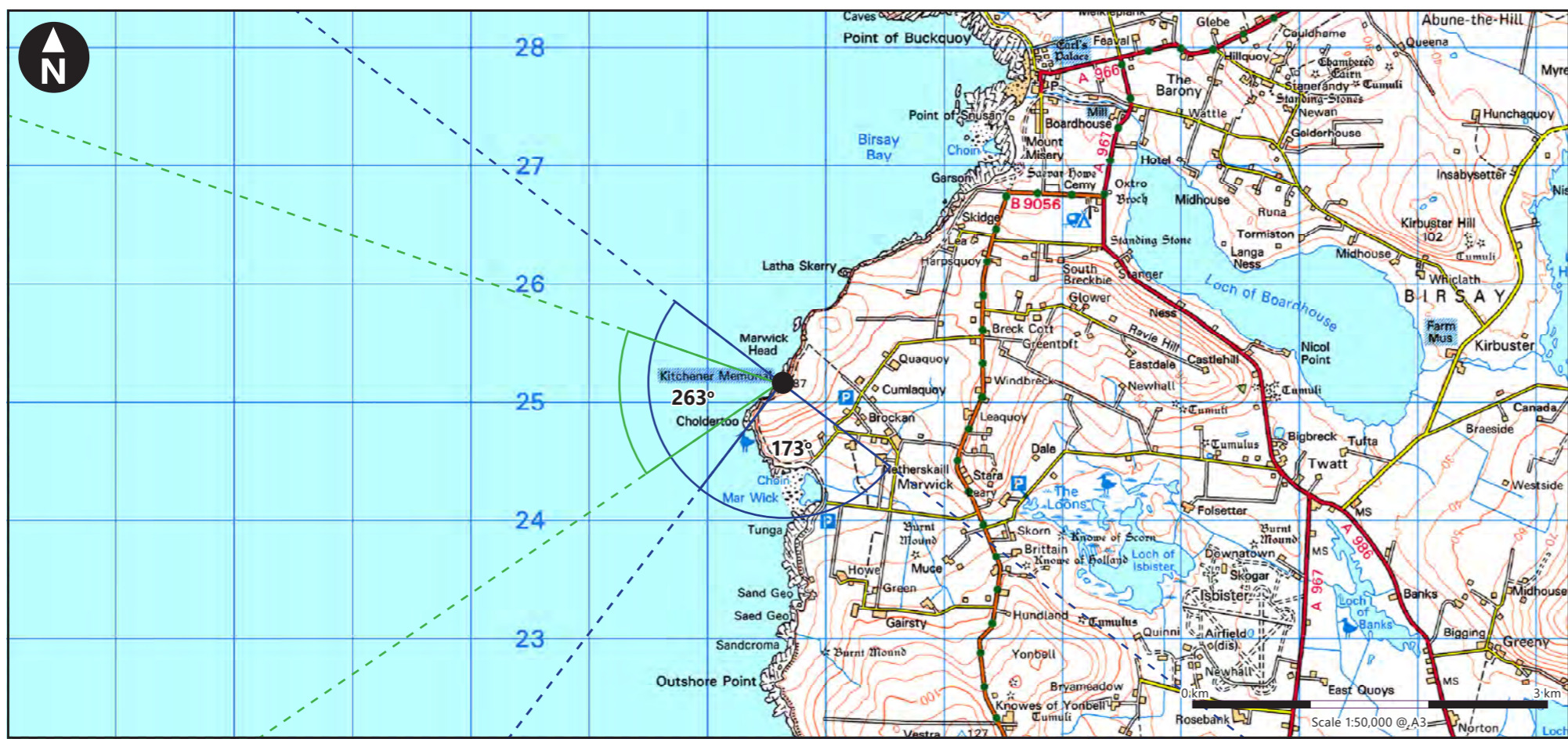
West of Orkney Offshore Wind Farm
EIA Report

Figure 18.VP26e
Viewpoint 26:
Bay of Skail

July 2023



H:\data\Projects\853781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\InDesign\2023-07 Extra\VP27 NS Marwick Head 853781-FG-SA-00046_R6.indd Originator: wilsc03



Viewpoint Parameters

OS reference:	N322 626, E1025 165
Ground Level Elevation:	86m AOD
Camera Height:	1.5m AGL
Direction of view to site centre ³ :	246°
Distance to nearest turbine:	36,932m
Number of blade tips theoretically visible ⁴ :	125
Number of hubs theoretically visible ⁴ :	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



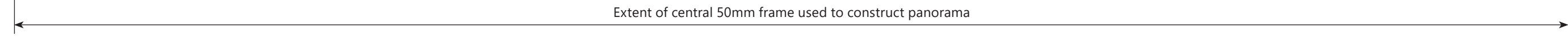
© Crown copyright. All rights reserved. Licence number 0100051659.

South view

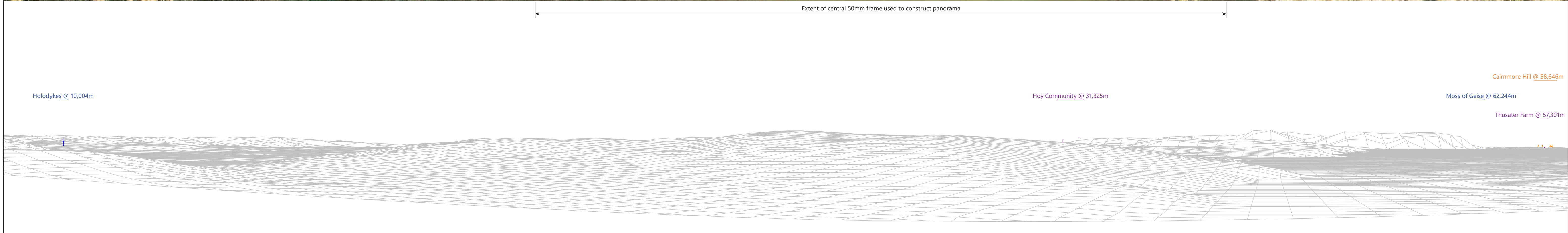


Baseline photograph

This image provides landscape and visual context only



Extent of central 50mm frame used to construct panorama



Holodykes @ 10,004m

Hoy Community @ 31,325m

Moss of Geise @ 62,244m

Thusater Farm @ 57,301m

Cairnmore Hill @ 58,646m

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

Client
 West of Orkney Offshore Wind Farm
 EIA Report

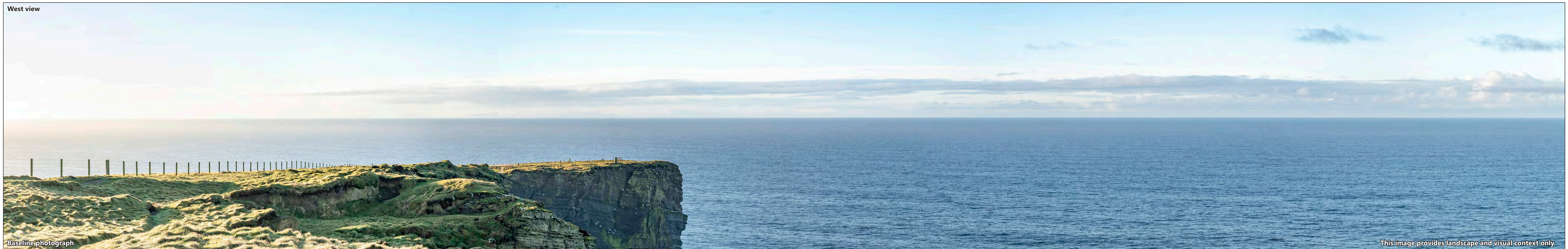
Figure 18.VP27b
 Viewpoint 27:
 Marwick Head Kitchener Memorial

July 2023



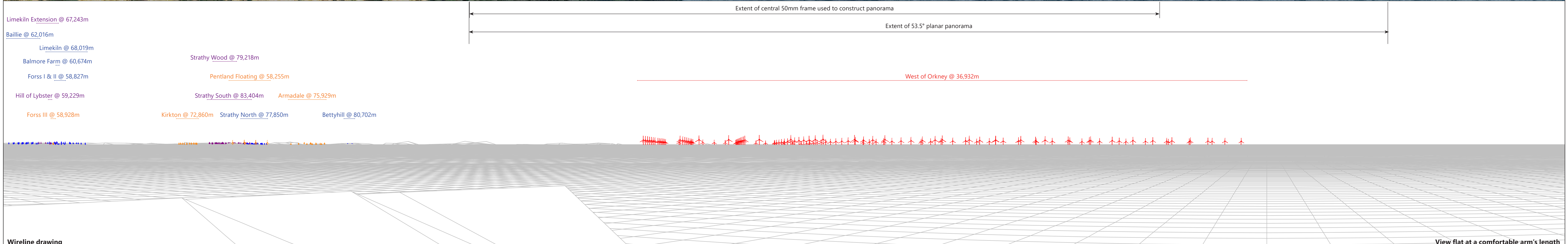
H:\Data\Projects\653781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\Design\2023-07\Extra\VP27 MS Marwick Head 853781-FG-SA-00046_R6.indd Originator: wis03

West view



Baseline photograph

This image provides landscape and visual context only



Wireline drawing

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

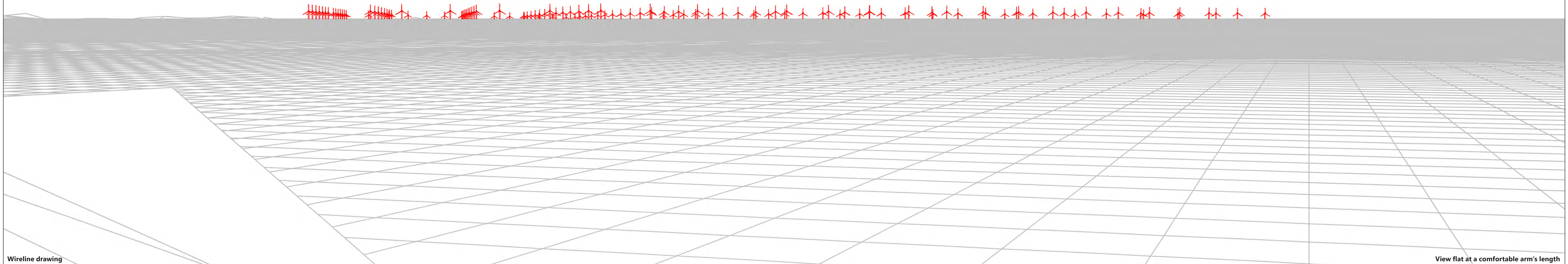
OS reference:	N322 626, E1025 165	Horizontal field of view:	90° (cylindrical projection)	Camera:	Nikon Z6 II
Eye level:	87.5m AOD	Principal distance:	522mm	Lens:	50mm (Nikon Z 50mm f/1.8)
Direction of view:	263°	Paper size:	841mm x 297mm (half A1)	Camera height:	1.5m AGL
Nearest turbine:	36,932m	Correct printed image size:	820 x 130mm	Date and time:	29/11/2022 10:30

Client		West of Orkney Offshore Wind Farm EIA Report	Figure 18.VP27c Viewpoint 27: Marwick Head Kitchener Memorial	
			July 2023	

H:\Data\Projects\853781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\Design\2023-07\Extra\VP27 NS Marwick Head 853781-FG-SA-00046_R6.indd Originator: wis03

H:\Data\Projects\853781 West of Orkney Offshore Wind Farm\Deliver Stage\0 Design_Technical\Design\2023-07\ExtravP27 NS Marwick Head 853781-FG-04-00046_06.indd Originator: wis03

9 8 28 7 117 116 115 114 113 112 111 110 109 108 6 29 5 107 4 106 105 104 3 103 102 30 101 2 100 99 1 98 95 97 94 93 96 92 91 31 90 89 88 87 86 82 85 82 84 81 83 80 79 33 78 77 76 73 75 72 74 71 34 70 69 35 66 68 65 36 67 64 63 37 62 61 38 60 39 59 57 58 40 56 41 55 54 42 53 43 52 51 44 50 45 46 49 47 48



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



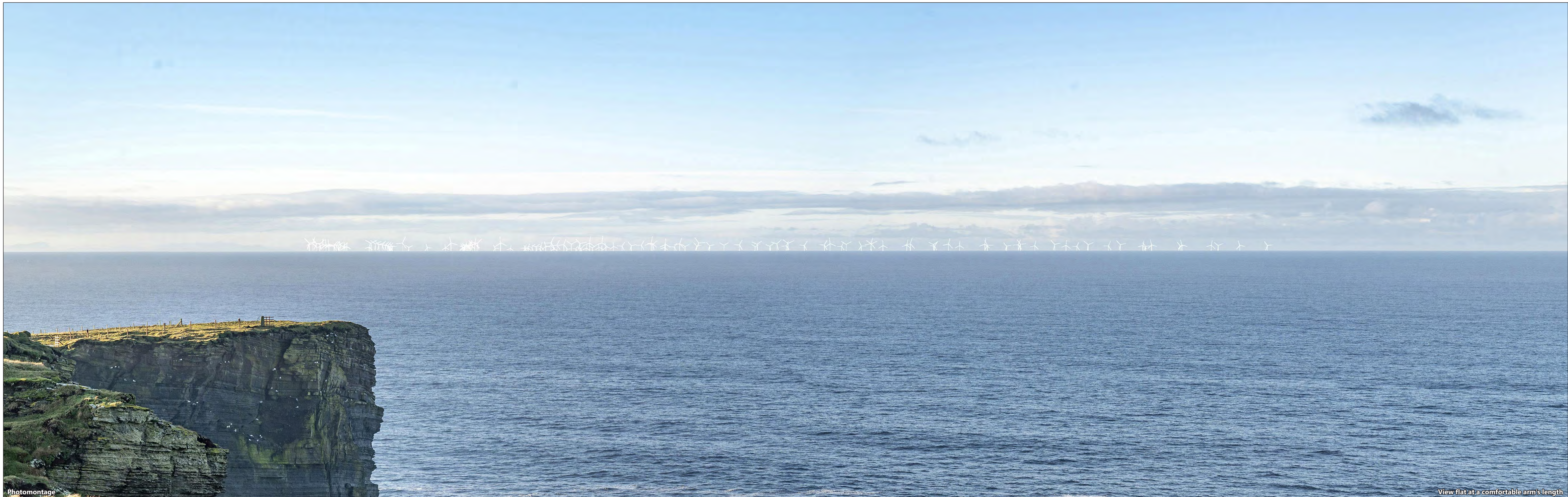
Client
West of Orkney Offshore Wind Farm
EIA Report

Figure 18.VP27d
Viewpoint 27:
Marwick Head Kitchener Memorial

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



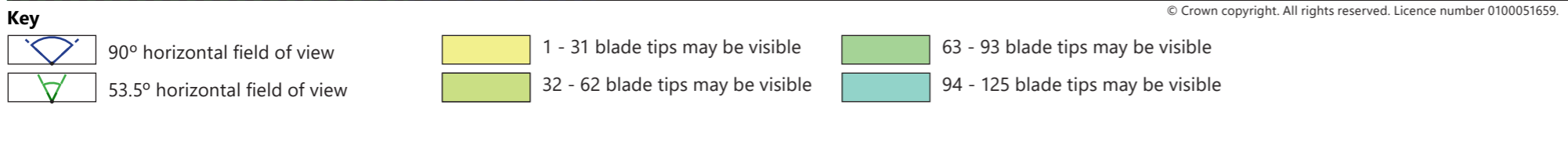
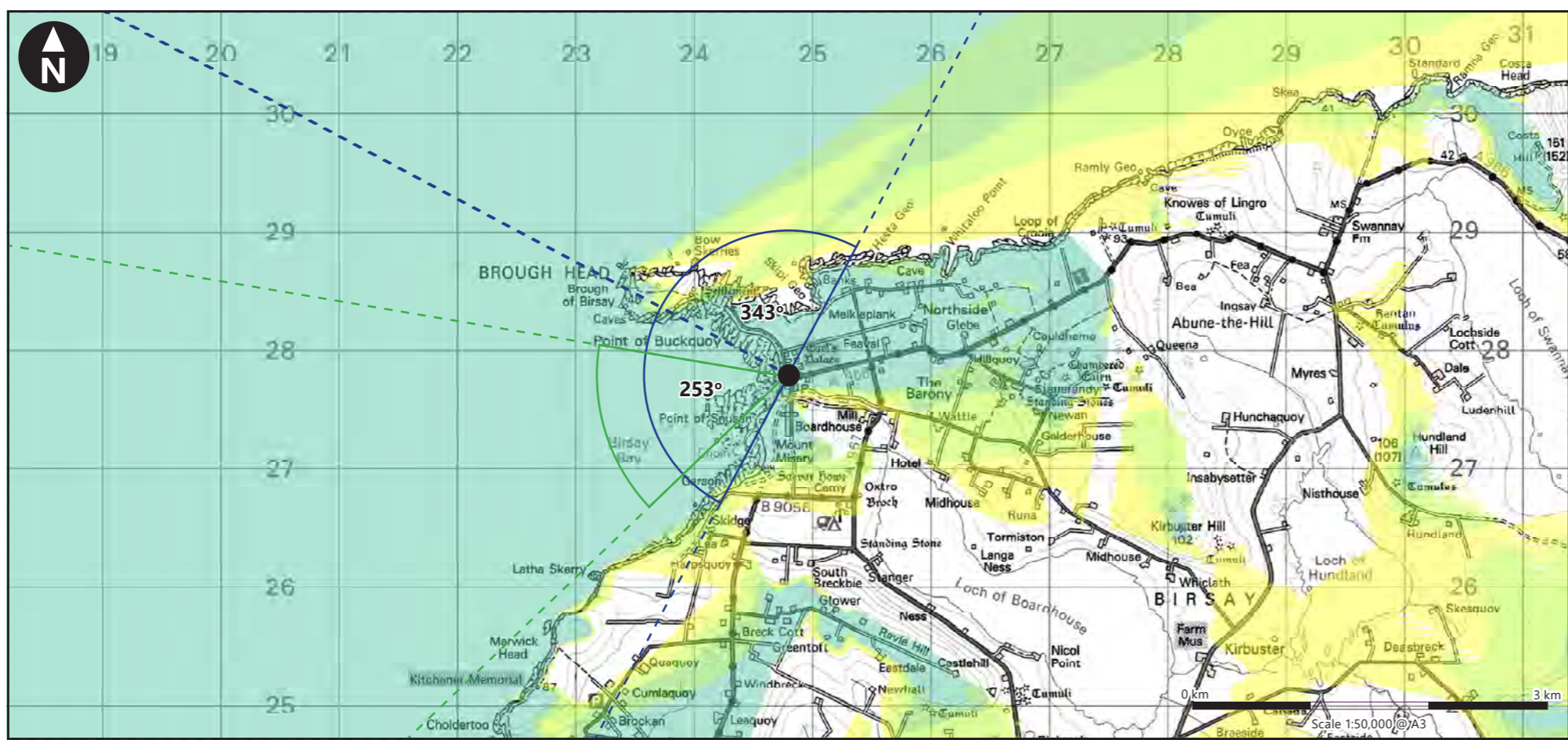
West of Orkney Offshore Wind Farm
EIA Report

Figure 18.VP27e
Viewpoint 27:
Marwick Head Kitchener Memorial

July 2023



H:\data\Projects\853781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\InDesign\2023-07 Extra\VP28 NS Earl's Palace 853781-FG-SA-00047_R4.indd Originator: wilsc03



Viewpoint Parameters

OS reference:	N324 730, E1027 794
Ground Level Elevation:	5m AOD
Camera Height:	1.5m AGL
Direction of view to site centre ³ :	245°
Distance to nearest turbine:	40,021m
Number of blade tips theoretically visible ⁴ :	125
Number of hubs theoretically visible ⁴ :	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:

- 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.VP28a
Viewpoint 28:
Earl's Palace, Birsay

July 2023



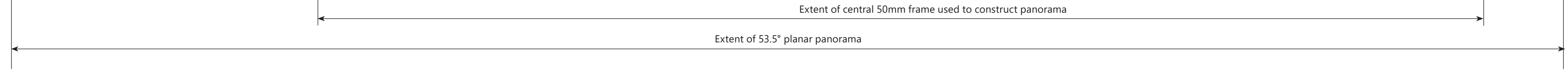
© Crown copyright. All rights reserved. Licence number 0100051659.

West view



Baseline photograph

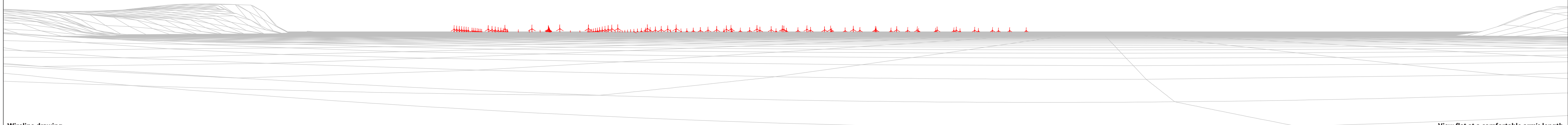
This image provides landscape and visual context only



Extent of central 50mm frame used to construct panorama

Extent of 53.5° planar panorama

West of Orkney @ 40,021m



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
Eye level: 6.5m AOD
Direction of view: 253°
Nearest turbine: 40,021m
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 09:50

Client: West of Orkney Windfarm
West of Orkney Offshore Wind Farm EIA Report
Figure 18.VP28b Viewpoint 28: Earl's Palace, Birsay
July 2023
WSP logo

Vertical text on the left edge: H:\Data\Projects\652781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\Design\2023-07-Extra\VP28 MS Earl's Palace 652781-FG-SA-00047_R4.indd Originator: wilc03

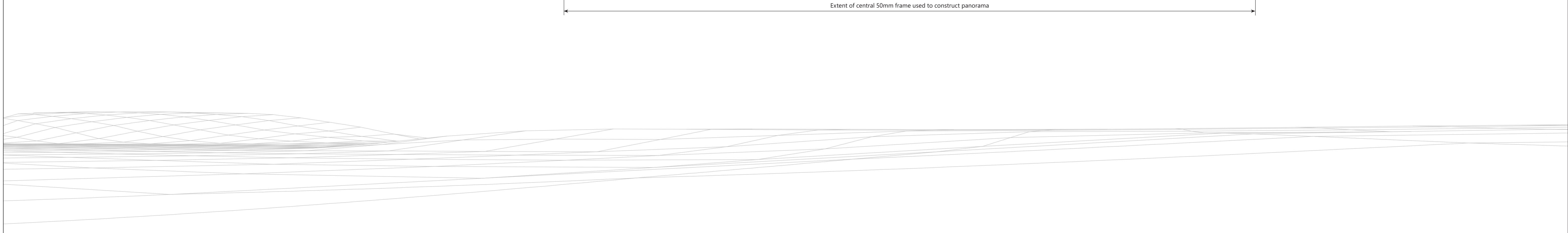
North view



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

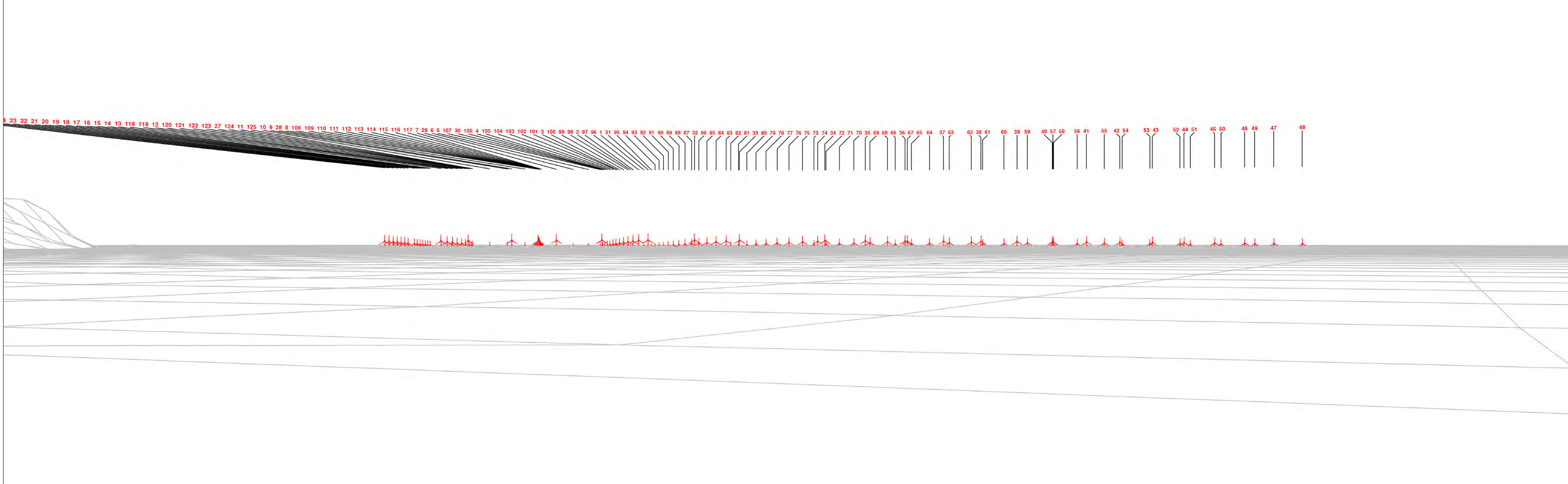
Figure 18.VP28c
Viewpoint 28:
Earl's Palace, Birsay

July 2023



H:\Data\Projects\652781 West of Orkney Offshore Wind Farm\Deliver Stage\0 Design_Technical\Design\VP28 MS Earl's Palace 652781 - FG-SA-00047_R4.indd
 Originator: wilc03

H:\Data\Projects\652781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\Design\2023-07\Extra\VP28 WS Earl's Palace 652781 FG-SA-0047_R4.rvt
Originator: wilc03



Wireline drawing

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

OS reference:	N324 730, E1027 794	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:	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

Client		West of Orkney Offshore Wind Farm EIA Report	Figure 18.VP28d Viewpoint 28: Earl's Palace, Birsay	July 2023	
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View flat at a comfortable arm's length

H:\Data\Projects\653781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\Design\2023-07\Extra\VP28 NS Earl's Palace\VP28 NS Earl's Palace 653781-FG-SA-0004-F4.indd Originator: wilc03



Photomontage

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
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

Client



West of Orkney Offshore Wind Farm
EIA Report

Figure 18.VP28e
Viewpoint 28:
Earl's Palace, Birsay

July 2023



H:\Data\Projects\853781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\Design\2023-08 Extra for Xodus\Figure 18.29 VPI NS Durmess (Alternative) 853781-FG-SA-00071_R1.indd Originator: wilsed3



Photomontage

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.

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:	30/10/2022 09:25

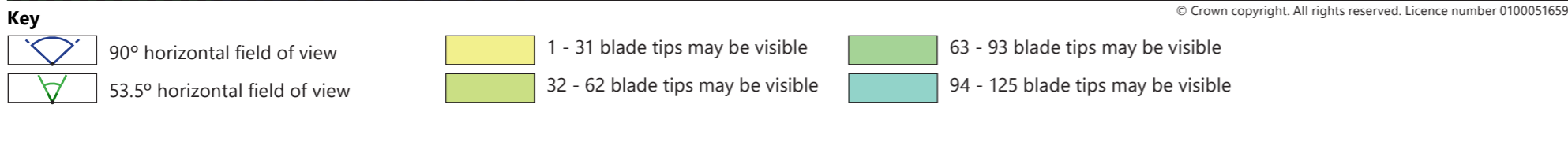
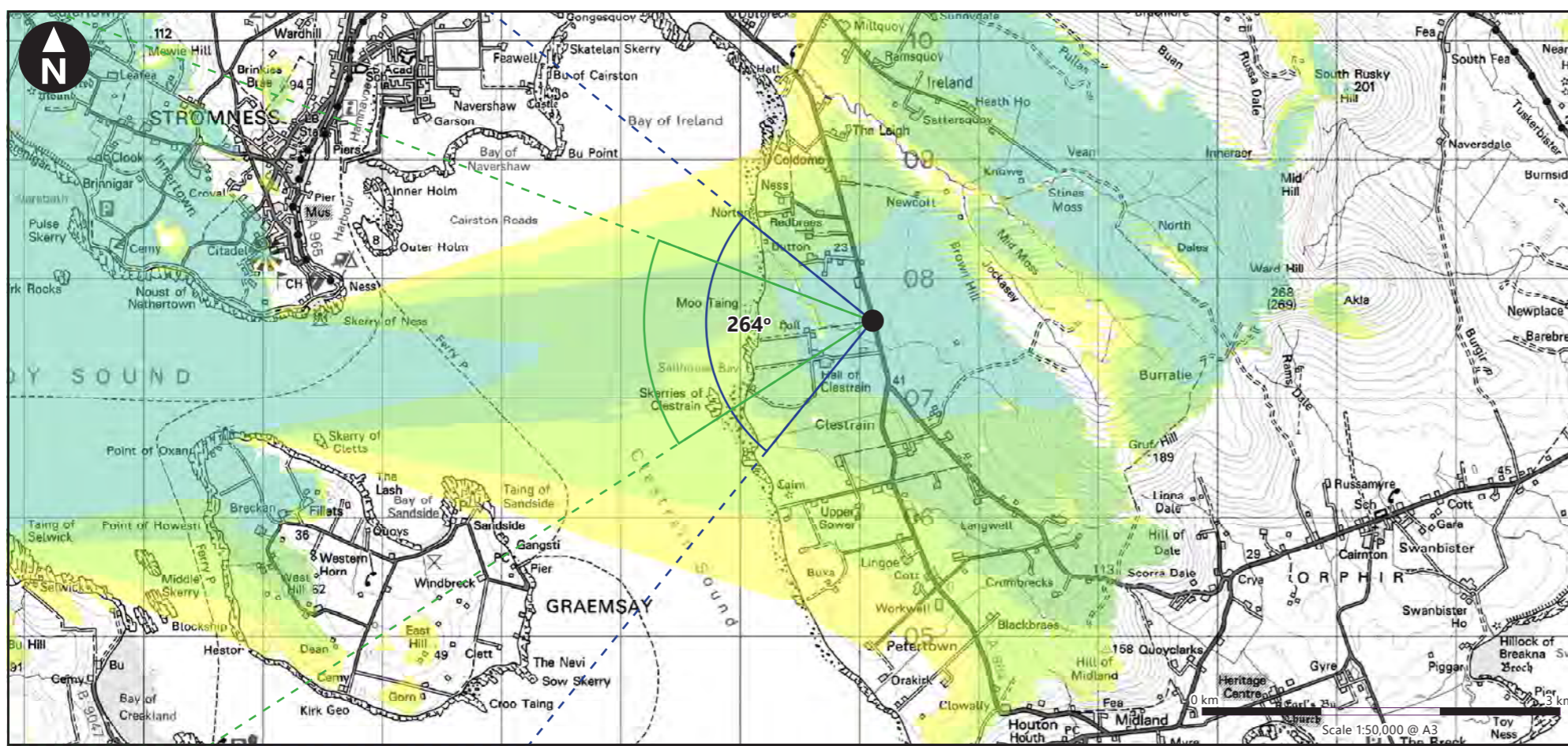


Client
West of Orkney Offshore Wind Farm
EIA Report

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 ³ :	267°
Distance to nearest turbine:	40,624m
Number of blade tips theoretically visible ⁴ :	109
Number of hubs theoretically visible ⁴ :	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	

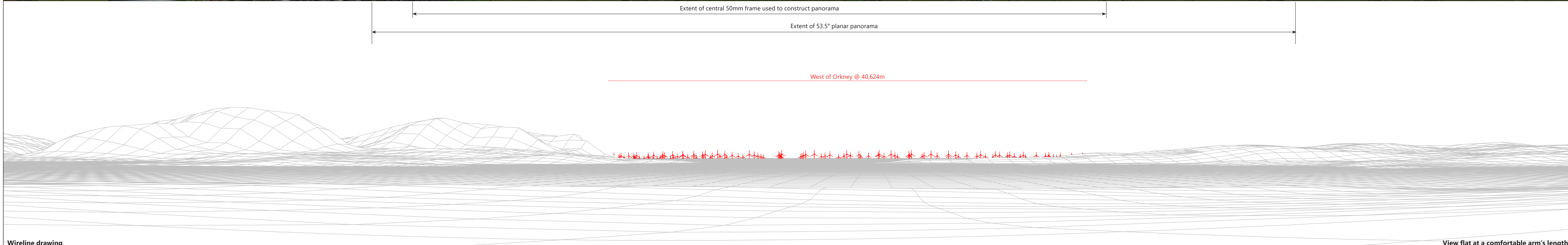


H:\Data\Projects\852781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\Design\2023-08 Extra for Xodus\Figure 18.30b-d NS Clestrain Marine Archaeology 852781-FG-5A-00072-RI.mxd
 Originator: wils03



Baseline photograph

This image provides landscape and visual context only



Wireline drawing

View flat at a comfortable arm's length

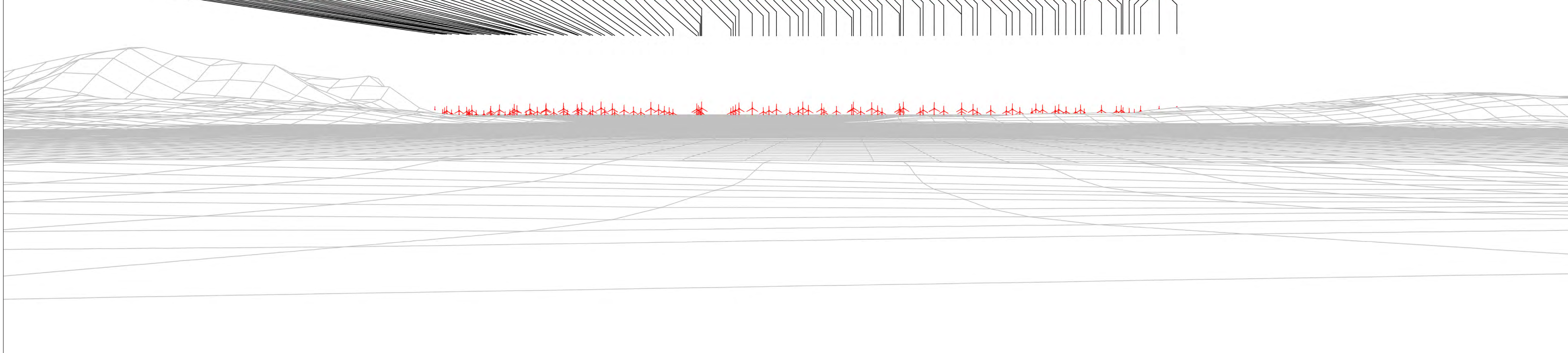
Wind Farm Key:
✚ West of Orkney Wind Farm
 ✚ Existing
 ✚ Consented
 ✚ Application

OS reference:	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	
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H:\Data\Projects\852781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\Design\2023-08 Extra for Xodus\Figure 18.30c-d NS Clestrain Marine Archaeology 852781-FG-SA-00072_R1.indd Original: wils03

16 8 125 17 7 18 124 6 117 19 5 4 116 123 3 2 20 1 107 115 21 122 95 22 106 114 121 94 23 105 24 113 93 120 104 25 92 112 26 103 119 91 111 102 90 118 110 101 89 82 109 100 88 81 27 80 87 99 108 28 79 86 98 73 78 29 85 97 72 77 84 30 71 96 76 66 83 70 31 65 75 32 69 64 33 74 61 68 63 34 60 57 35 67 62 36 59 56 37 54 38 58 39 55 53 51 40 41 42



Wireline drawing

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

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

Figure 18.30c
Hall of Clestrain
Marine Archaeology Onshore
Setting Visualisation

View flat at a comfortable arm's length

August 2023



H:\Data\Projects\852781 West of Orkney Offshore Wind Farm\Deliver Stage\Design\Technical\Design\2023-08 Extra for Xodus\Figure 18.30e-d NS Clestrain Marine Archaeology 852781-FG-SA-00072_R1.mxd Original: wisc03



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

Figure 18.30d
Hall of Clestrain
Marine Archaeology Onshore
Setting Visualisation

August 2023



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



Aberdeen

Xodus House
50 Huntly Street . Aberdeen
AB10 1RS . UK

T +44 (0)1224 628300
E david.bloxsom@xodusgroup.com

www.xodusgroup.com



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).