


**Code:** UKCAL-CWF-CON-EIA-RPT-00007-7B57

# Volume 7B Proposed Development (Offshore) Appendices

## Appendix 12-3 Seascape, Landscape and Visual Impact Assessment Visualisations (Part 3)

Caledonia Offshore Wind Farm Ltd

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OCEAN WINDS

# Volume 7B Appendix 12-3 Seascape, Landscape and Visual Impact Assessment Visualisations (Part 3)

| | |
|---|---|
| **Code** | UKCAL-CWF-CON-EIA-RPT-00007-7B57 |
| **Revision** | Issued |
| **Date** | 18 October 2024 |

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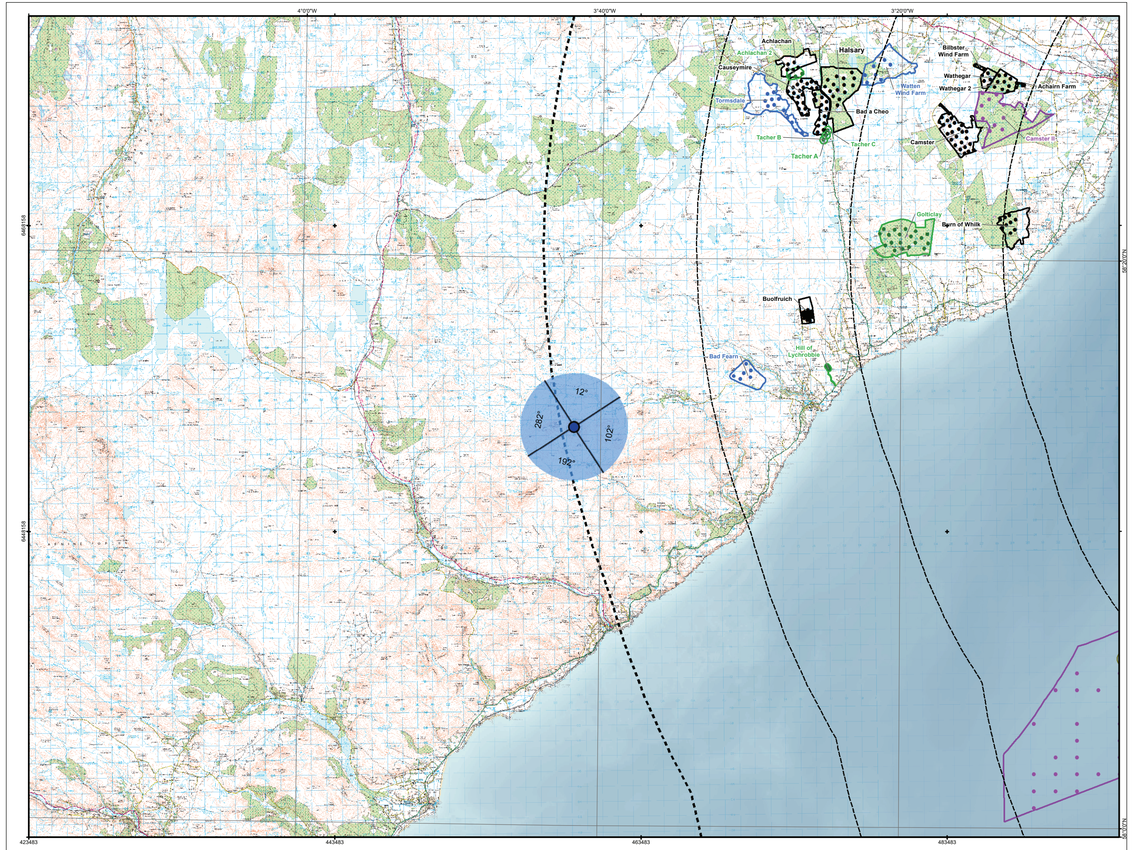
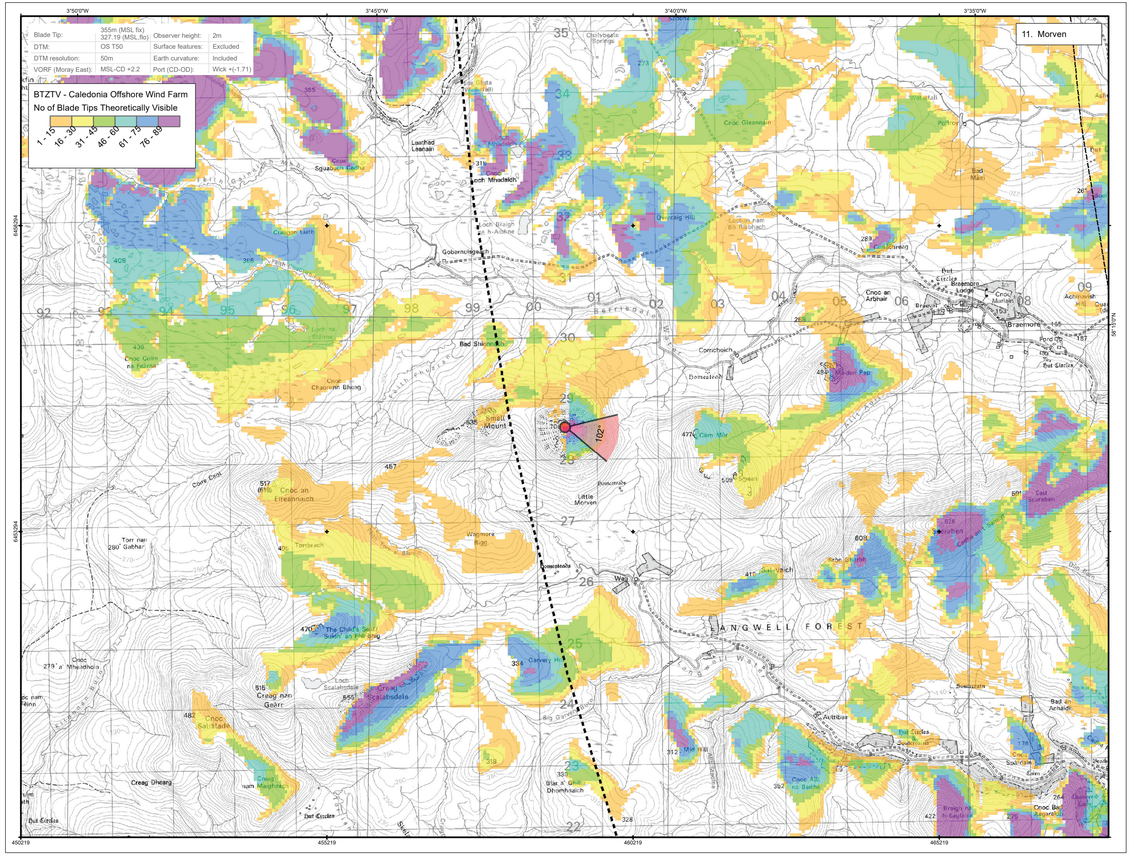
# Acronyms and Abbreviations

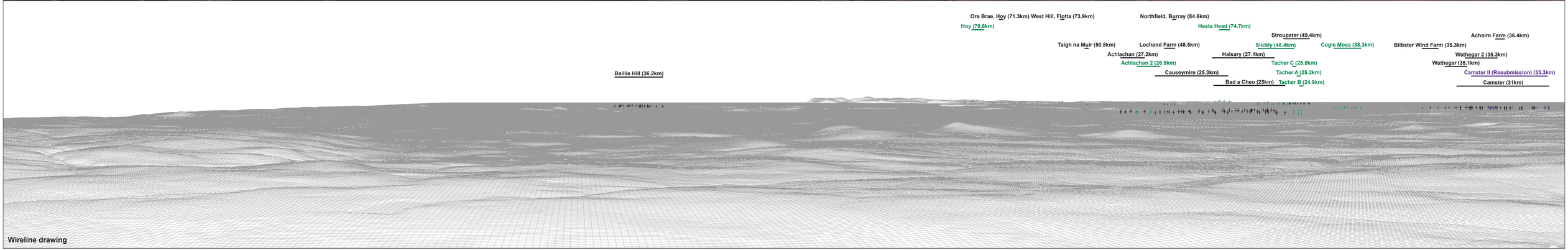
| | |
|---|---|
| **BTZTV** | Blade Tip Zone of Theoretical Visibility |
| **OSP** | Offshore Substation Platform |




Viewpoint Location Plan Baseline Panorama (90° View)
Scale: 1:200,000


3°50'0"W
3°40'0"W
3°30'0"W
6490294
6470294
450219
455219
460219
465219
Blade Tip: 355m (MSL fix) 327.19 (MSL/lat)
DTM: OS T50
DTM resolution: 50m
VORF (Moray East): MSL-CD +2.2
Observer height: 2m
Surface features: Excluded
Earth curvature: Included
Port (CD-OD): Wick +(-1.71)
BTZTV - Caledonia Offshore Wind Farm
No of Blade Tips Theoretically Visible
1 - 15
16 - 30
31 - 45
46 - 60
61 - 75
76 - 89
11. Morven
Cholvoaite Forest
Croc Gleineal
Loanhead
Leachd Leasair
Loch Mhadaidh
Squabaster Cairns
Gobernuisgach
Bad Sheileach
Croc Coire na Feanna
Croc Chaorainn Bheag
Corrie Laird
Dreaning Hill
Corrichoch
Domaslech
Croc an Eilean
Croc an Fhuar Leathaid
Braemore Lodge
Braemore
Braemore Wood
Braemore Pond
Bad Sleaghach
Bad Mor
Bad Mhoid Peir
Bad Scarlaich
Ashmore Wood
Ord Ban
Ord Beag
Ord Mor
Ben Griams
Ben Griams Lodge
Croc Coire Mhic Fhearchair
Croc Coire an Easain
Croc Coire na Feola
Croc Chaorainn Bheag
Croc an Eilean
Croc Mor
Croc Beag
Croc Ruadh
Croc




**OS reference:** 300474 E 9285369 N
**Eye level:** 703.3 mAOD
**Direction of view:** 12°
**Nearest turbine:** 60.01 km

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

**Camera:** Canon EOS 5D Mark II
**Lens:** Canon EF 50mm f/1.4
**Camera height:** 1.5 m
**Date and time:** 03.05.2024 16:11

**Figure: 12.11b**
**Viewpoint 11: Morven**
**Caledonia Offshore Wind Farm**

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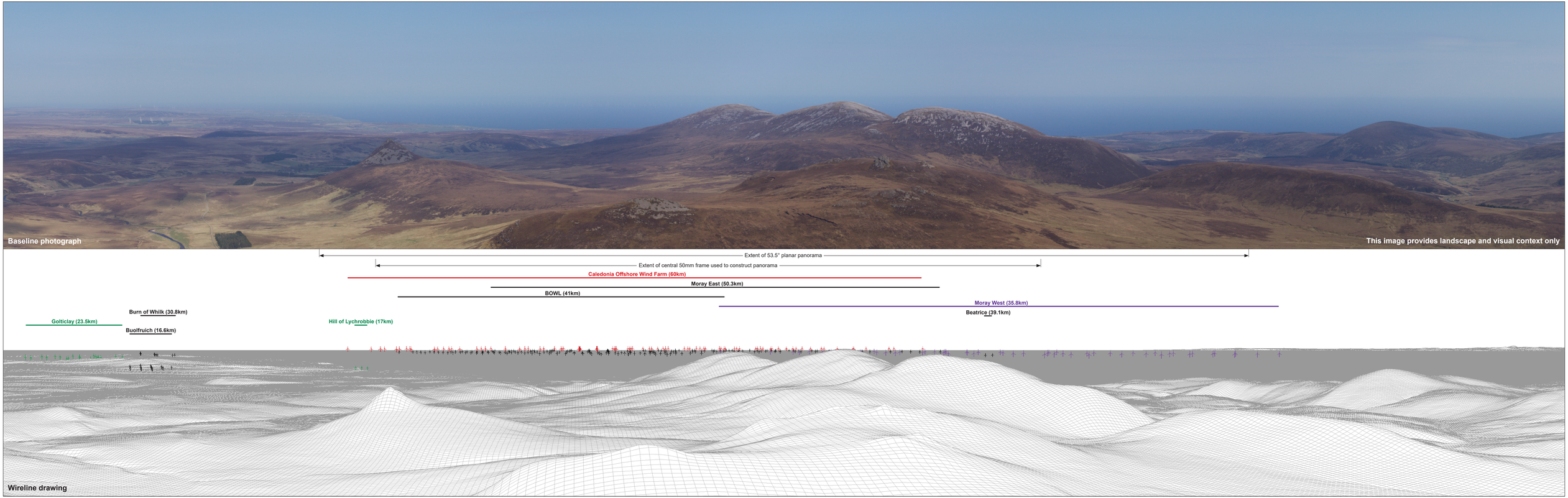


| | | | | | |
|---|---|---|---|---|---|
| **OS reference:** | 300474 E 9285369 N | **Horizontal field of view:** | 90° (cylindrical projection) | **Camera:** | Canon EOS 5D Mark II |
| **Eye level:** | 703.3 mAOD | **Principal distance:** | 522 mm | **Lens:** | Canon EF 50mm f/1.4 |
| **Direction of view:** | 102° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m |
| **Nearest turbine:** | 60.01 km | **Correct printed image size:** | 820 x 130 mm | **Date and time:** | 03.05.2024 16:11 |

**Figure: 12.11c**
**Viewpoint 11: Morven**
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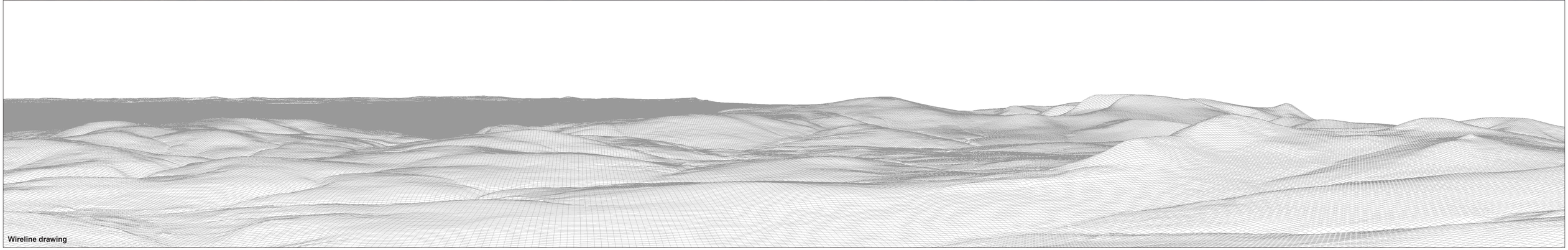


| | | | | | |
|---|---|---|---|---|---|
| **OS reference:** | 300474 E 9285369 N | **Horizontal field of view:** | 90° (cylindrical projection) | **Camera:** | Canon EOS 5D Mark II |
| **Eye level:** | 703.3 mAOD | **Principal distance:** | 522 mm | **Lens:** | Canon EF 50mm f/1.4 |
| **Direction of view:** | 192° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m |
| **Nearest turbine:** | 60.01 km | **Correct printed image size:** | 820 x 130 mm | **Date and time:** | 03.05.2024 16:11 |

**Figure: 12.11d**

**Viewpoint 11: Morven**

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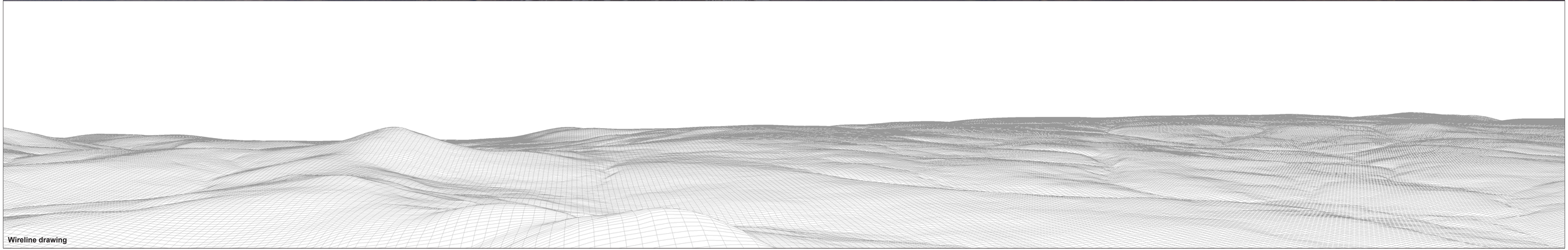


| | | | | | |
|---|---|---|---|---|---|
| **OS reference:** | 300474 E 9285369 N | **Horizontal field of view:** | 90° (cylindrical projection) | **Camera:** | Canon EOS 5D Mark II |
| **Eye level:** | 703.3 mAOD | **Principal distance:** | 522 mm | **Lens:** | Canon EF 50mm f/1.4 |
| **Direction of view:** | 282° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m |
| **Nearest turbine:** | 60.01 km | **Correct printed image size:** | 820 x 130 mm | **Date and time:** | 03.05.2024 16:11 |

**Figure: 12.11e**

**Viewpoint 11: Morven**

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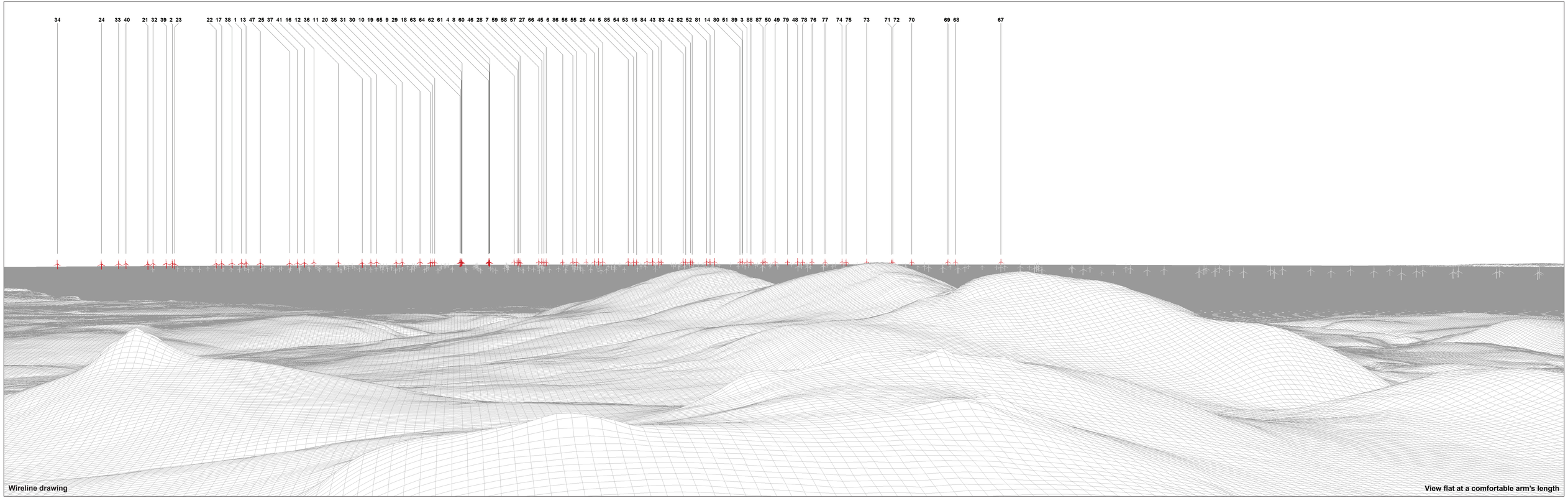


**OS reference:** 300474 E 9285369 N
**Eye level:** 703.3 mAOD
**Direction of view:** 102°
**Nearest turbine:** 60.01 km

**Horizontal field of view:** 53.5° (planar projection)
**Principal distance:** 812.5 mm
**Paper size:** 841 x 297 mm (half A1)
**Correct printed image size:** 820 x 260 mm

**Camera:** Canon EOS 5D Mark II
**Lens:** Canon EF 50mm f/1.4
**Camera height:** 1.5 m
**Date and time:** 03.05.2024 16:11

**Figure: 12.11f**
**Viewpoint 11: Morven**
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**OS reference:** 300474 E 9285369 N
**Eye level:** 703.3 mAOD
**Direction of view:** 102°
**Nearest turbine:** 60.01 km

**Horizontal field of view:** 53.5° (planar projection)
**Principal distance:** 812.5 mm
**Paper size:** 841 x 297 mm (half A1)
**Correct printed image size:** 820 x 260 mm

**Camera:** Canon EOS 5D Mark II
**Lens:** Canon EF 50mm f/1.4
**Camera height:** 1.5 m
**Date and time:** 03.05.2024 16:11

**Operational and Under Construction offshore wind farms have been photomontaged in this view.**

**Figure: 12.11g**
**Viewpoint 11: Morven**
**Caledonia Offshore Wind Farm**

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| | | | | | |
|---|---|---|---|---|---|
| **OS reference:** | 300474 E 9285369 N | **Horizontal field of view:** | 53.5° (planar projection) | **Camera:** | Canon EOS 5D Mark II |
| **Eye level:** | 703.3 mAOD | **Principal distance:** | 812.5 mm | **Lens:** | Canon EF 50mm f/1.4 |
| **Direction of view:** | 102° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m |
| **Nearest turbine:** | 60.01 km | **Correct printed image size:** | 820 x 260 mm | **Date and time:** | 03.05.2024 16:11 |

**Operational and Under Construction offshore wind farms have been photomontaged in this view.**

**Figure: 12.11h**

**Viewpoint 11: Morven**

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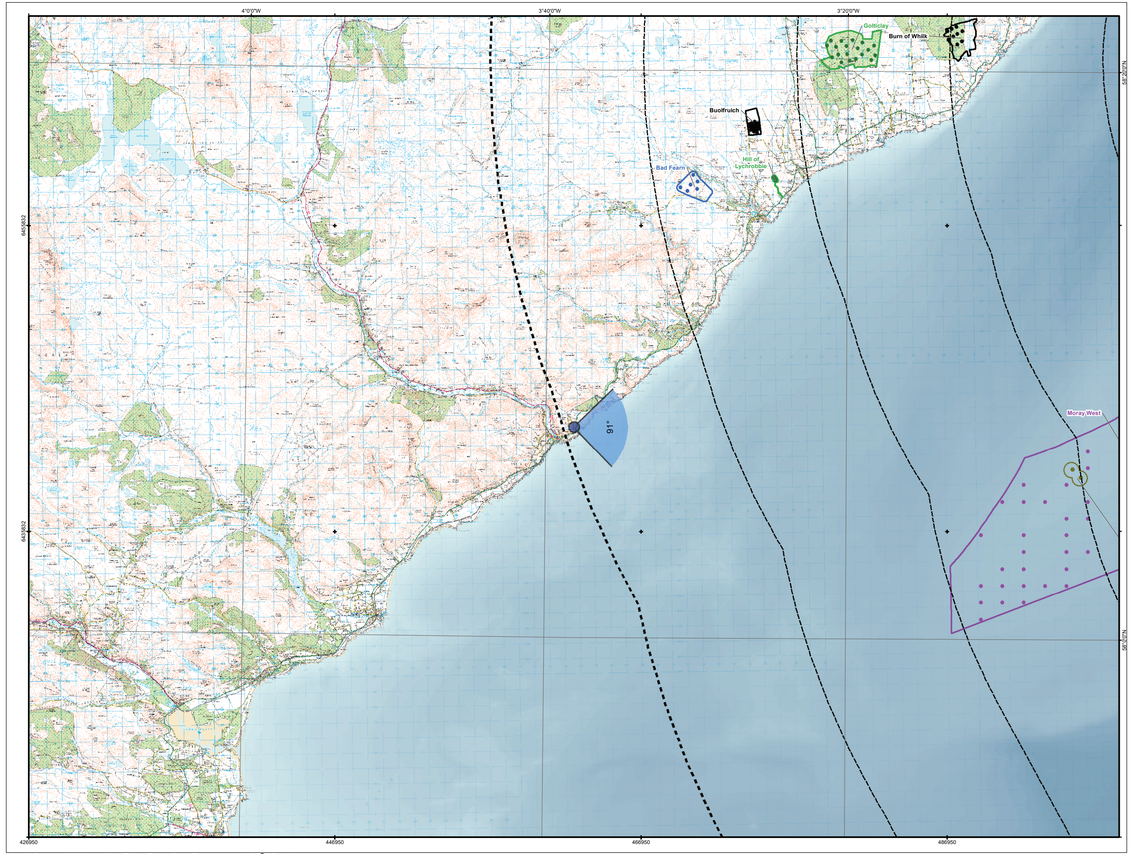
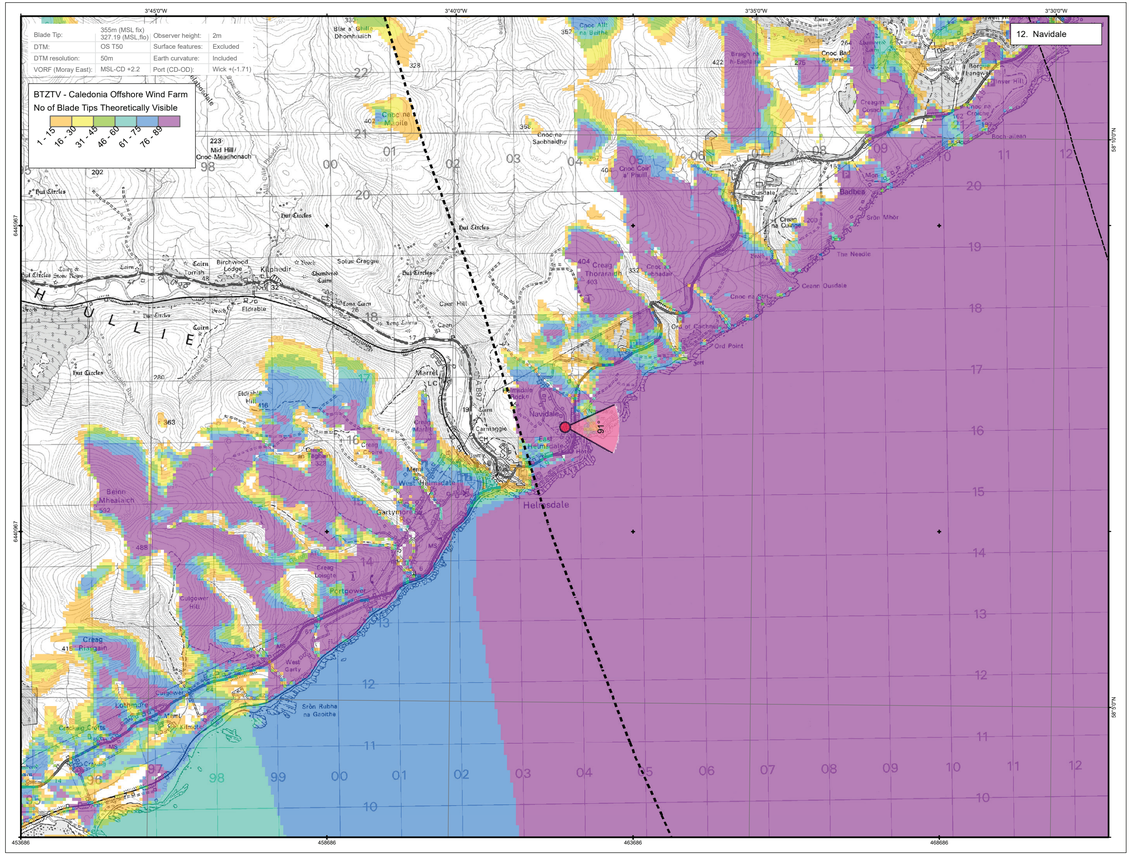



Viewpoint Location Plan Baseline Panorama (90° View)
Scale: 1:200,000




Viewpoint Location Plan (53.5° View)
Scale: 1:50,000

90°Field of View
53.5°Field of View
Caledonia North Fixed
Fixed (47 x 25MW)
Caledonia South Fixed/Floating
Fixed (18 x 25MW)
Floating (24 x 20MW)
OSPs
Caledonia Offshore Wind Farm
Offshore and Onshore Export Cable Corridor
Caledonia North-South Site Division
10km Radii
60km Study Area

Cumulative Windfarms Status:
Operational
Under Construction
Consented
Appeal / Application
Inactive / Decomissioned
Operational
Under Construction
Consented
Appeal / Application
Inactive / Decommissioned

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0 2 4 6 8 10 km
0 0.5 1 1.5 2 km

| REV | DATE | DOC STATUS | ORIGIN | REVIEW | APP |
|---|---|---|---|---|---|
| 03 | 26/09/2024 | Approved | RH | LT | LT |
| 02 | 10/07/2024 | For Review | RH | LT | LT |
| 01 | 10/05/2024 | For Review | RH | LT | LT |

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open
offshore environments
PART OF SLR

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CONTRACTOR REV: 03
GEODETIC PARAMETERS: WGS 1984 UTM Zone 30N (EPSG:32630)
DRAWING TITLE: Figure 12-12a - Viewpoint Plan 12. Navidale

Caledonia Offshore Wind Farm

STATUS: Approved
SCALE: 1:200,000 1:50,000
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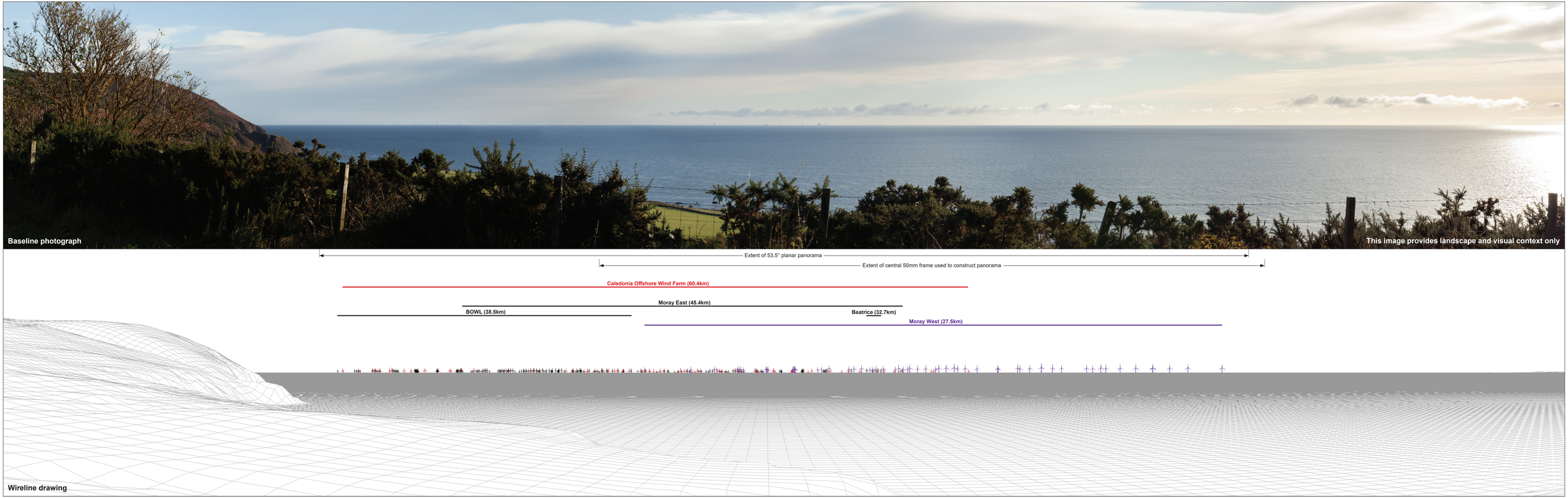
SHEET NO: 12 of 22
REV: N/A




| | | | | | |
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| **OS reference:** | 303766 E 916161 N | **Horizontal field of view:** | 90° (cylindrical projection) | **Camera:** | Canon EOS 5D Mark II |
| **Eye level:** | 85.4 mAOD | **Principal distance:** | 522 mm | **Lens:** | Canon EF 50mm f/1.4 |
| **Direction of view:** | 91° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m |
| **Nearest turbine:** | 60.36 km | **Correct printed image size:** | 820 x 130 mm | **Date and time:** | 16.10.2023 09:13 |

**Figure: 12.12b**

**Viewpoint 12: Navidale**

**Caledonia Offshore Wind Farm**

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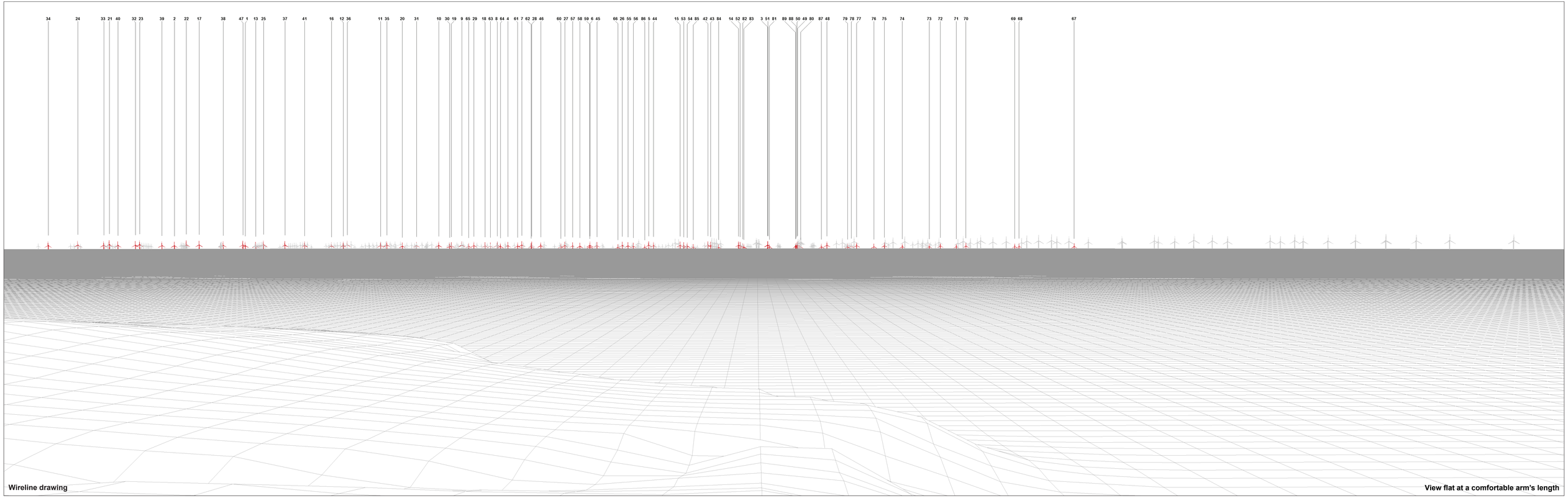


**OS reference:** 303766 E 916161 N
**Eye level:** 85.4 mAOD
**Direction of view:** 91°
**Nearest turbine:** 60.36 km

**Horizontal field of view:** 53.5° (planar projection)
**Principal distance:** 812.5 mm
**Paper size:** 841 x 297 mm (half A1)
**Correct printed image size:** 820 x 260 mm

**Camera:** Canon EOS 5D Mark II
**Lens:** Canon EF 50mm f/1.4
**Camera height:** 1.5 m
**Date and time:** 16.10.2023 09:13

**Figure: 12.12c**
**Viewpoint 12: Navidale**
**Caledonia Offshore Wind Farm**

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| | | | | | |
|---|---|---|---|---|---|
| **OS reference:** | 303766 E 916161 N | **Horizontal field of view:** | 53.5° (planar projection) | **Camera:** | Canon EOS 5D Mark II |
| **Eye level:** | 85.4 mAOD | **Principal distance:** | 812.5 mm | **Lens:** | Canon EF 50mm f/1.4 |
| **Direction of view:** | 91° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m |
| **Nearest turbine:** | 60.36 km | **Correct printed image size:** | 820 x 260 mm | **Date and time:** | 16.10.2023 09:13 |

**Figure: 12.12d**

**Viewpoint 12: Navidale**

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| | | | | | |
|---|---|---|---|---|---|
| **OS reference:** | 303766 E 916161 N | **Horizontal field of view:** | 53.5° (planar projection) | **Camera:** | Canon EOS 5D Mark II |
| **Eye level:** | 85.4 mAOD | **Principal distance:** | 812.5 mm | **Lens:** | Canon EF 50mm f/1.4 |
| **Direction of view:** | 91° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m |
| **Nearest turbine:** | 60.36 km | **Correct printed image size:** | 820 x 260 mm | **Date and time:** | 16.10.2023 09:13 |

**Figure: 12.12e**

**Viewpoint 12: Navidale**

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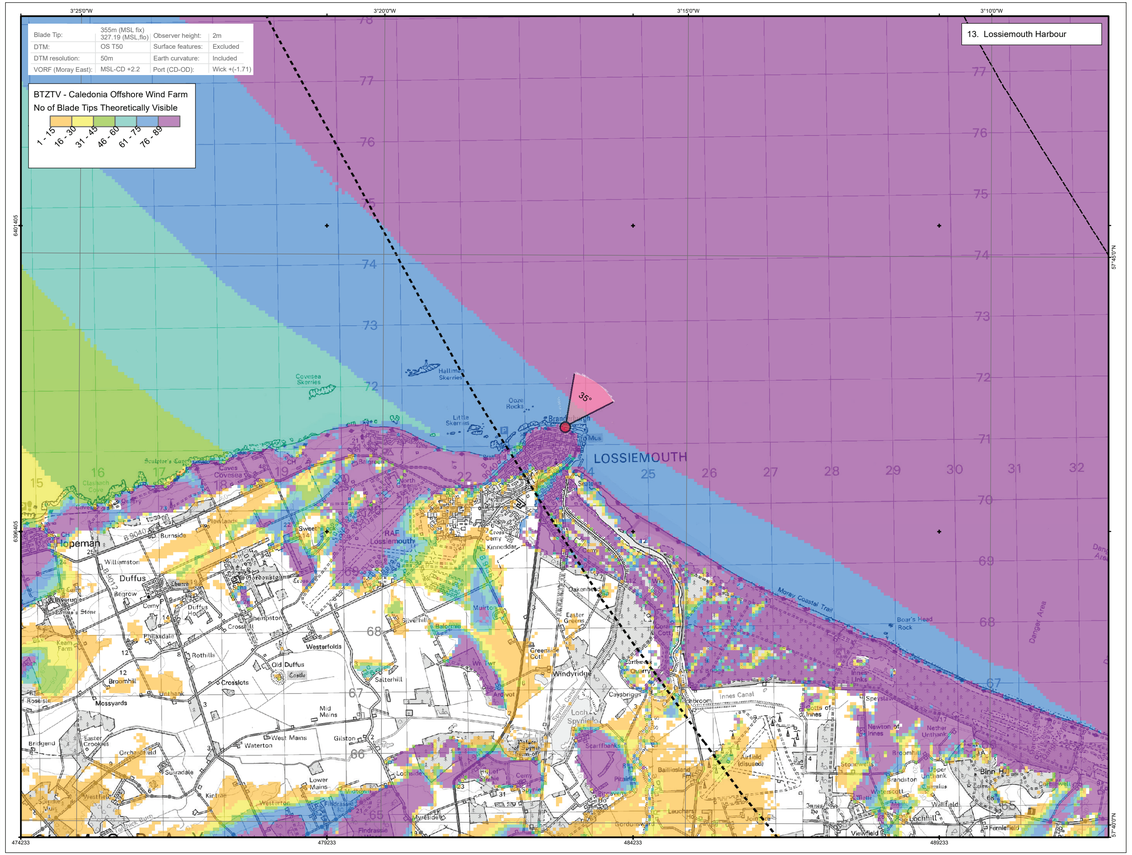
Viewpoint Location Plan Baseline Panorama (90° View)
Scale: 1:200,000




Viewpoint Location Plan (53.5° View)
Scale: 1:50,000

90°Field of View
53.5°Field of View
Caledonia North Fixed
Fixed (47 x 25MW)
Caledonia South Fixed/Floating
Fixed (18 x 25MW)
Floating (24 x 20MW)
OSPs
Caledonia Offshore Wind Farm
Offshore and Onshore Export Cable Corridor
Caledonia North-South Site Division
10km Radii
60km Study Area

Cumulative Windfarms Status:
Operational
Consented
Operational
Consented

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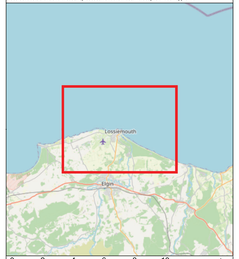


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| 02 | 10/07/2024 | For Review | RH | LT | LT |
| 01 | 10/05/2024 | For Review | RH | LT | LT |

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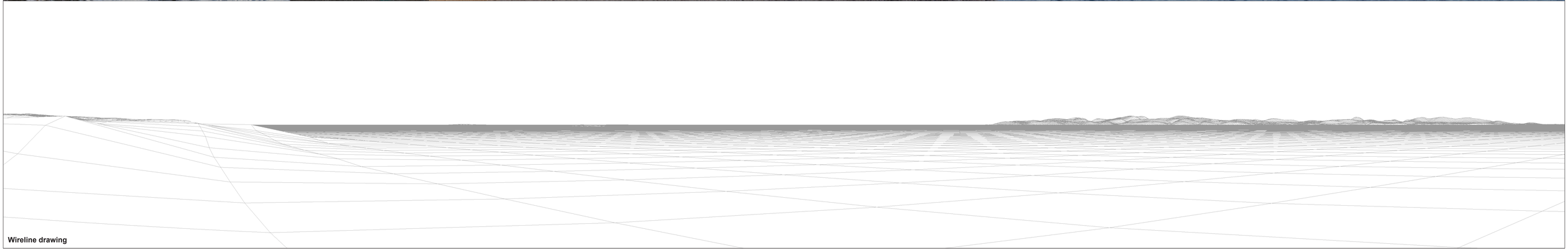
CONTRACTOR DRAWING NO: UKCAL1_OPN_WNF_ENV_SLV_MAP_00099
CONTRACTOR REV: 03
GEODETIC PARAMETERS: WGS 1984 UTM Zone 30N (EPSG:32630)
DRAWING TITLE: Figure 12-13a - Viewpoint Plan 13. Lossiemouth Harbour
Caledonia Offshore Wind Farm
STATUS: Approved
SCALE: 1:200,000 1:50,000
DRAWING NUMBER: N/A
SHEET NO: 13 of 22
REV: N/A




| | | | | | |
|---|---|---|---|---|---|
| **OS reference:** | 323653 E 871295 N | **Horizontal field of view:** | 90° (cylindrical projection) | **Camera:** | Canon EOS 5D Mark II |
| **Eye level:** | 5.8 mAOD | **Principal distance:** | 522 mm | **Lens:** | Canon EF 50mm f/1.4 |
| **Direction of view:** | 305° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m |
| **Nearest turbine:** | 59.24 km | **Correct printed image size:** | 820 x 130 mm | **Date and time:** | 17.10.2023 17:14 |

**Figure: 12.13b**

**Viewpoint 13: Lossiemouth Harbour**

**Caledonia Offshore Wind Farm**

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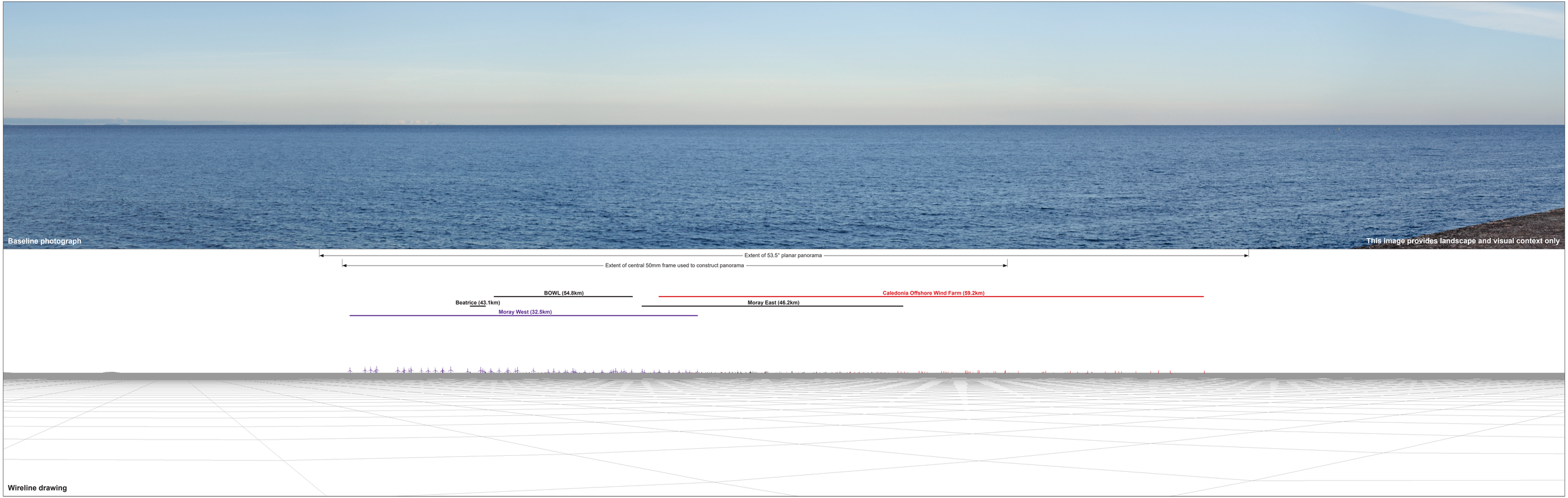


| | | | | | |
|---|---|---|---|---|---|
| **OS reference:** | 323653 E 871295 N | **Horizontal field of view:** | 90° (cylindrical projection) | **Camera:** | Canon EOS 5D Mark II |
| **Eye level:** | 5.8 mAOD | **Principal distance:** | 522 mm | **Lens:** | Canon EF 50mm f/1.4 |
| **Direction of view:** | 35° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m |
| **Nearest turbine:** | 59.24 km | **Correct printed image size:** | 820 x 130 mm | **Date and time:** | 17.10.2023 17:14 |

**Figure: 12.13c**

**Viewpoint 13: Lossiemouth Harbour**

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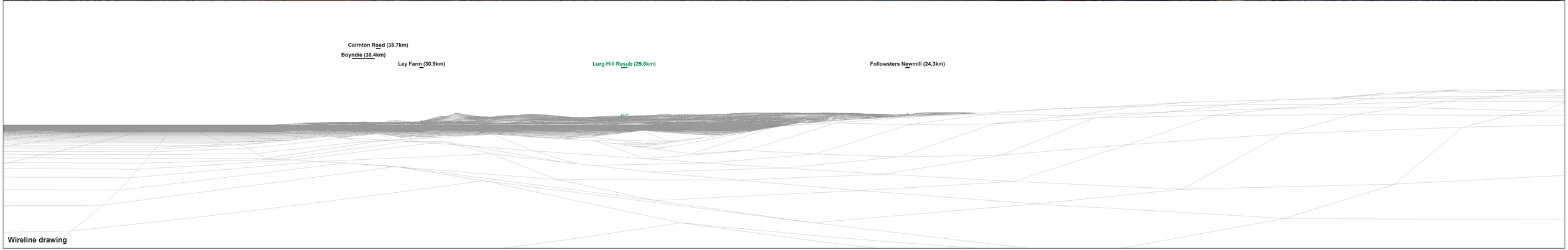


| | | | | | |
|---|---|---|---|---|---|
| **OS reference:** | 323653 E 871295 N | **Horizontal field of view:** | 90° (cylindrical projection) | **Camera:** | Canon EOS 5D Mark II |
| **Eye level:** | 5.8 mAOD | **Principal distance:** | 522 mm | **Lens:** | Canon EF 50mm f/1.4 |
| **Direction of view:** | 125° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m |
| **Nearest turbine:** | 59.24 km | **Correct printed image size:** | 820 x 130 mm | **Date and time:** | 17.10.2023 17:14 |

**Figure: 12.13d**
**Viewpoint 13: Lossiemouth Harbour**
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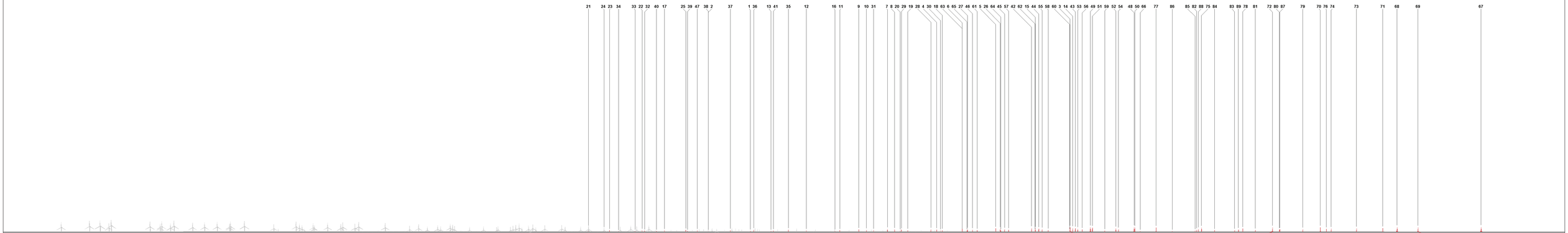


**Wireline drawing**

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

| | | | | | |
|---|---|---|---|---|---|
| **OS reference:** | 323653 E 871295 N | **Horizontal field of view:** | 53.5° (planar projection) | **Camera:** | Canon EOS 5D Mark II |
| **Eye level:** | 5.8 mAOD | **Principal distance:** | 812.5 mm | **Lens:** | Canon EF 50mm f/1.4 |
| **Direction of view:** | 35° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m |
| **Nearest turbine:** | 59.24 km | **Correct printed image size:** | 820 x 260 mm | **Date and time:** | 17.10.2023 17:14 |

**Figure: 12.13e**

**Viewpoint 13: Lossiemouth Harbour**

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| | | | | | |
|---|---|---|---|---|---|
| **OS reference:** | 323653 E 871295 N | **Horizontal field of view:** | 53.5° (planar projection) | **Camera:** | Canon EOS 5D Mark II |
| **Eye level:** | 5.8 mAOD | **Principal distance:** | 812.5 mm | **Lens:** | Canon EF 50mm f/1.4 |
| **Direction of view:** | 35° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m |
| **Nearest turbine:** | 59.24 km | **Correct printed image size:** | 820 x 260 mm | **Date and time:** | 17.10.2023 17:14 |

**Operational and Under Construction offshore wind farms have been photomontaged in this view.**

**Figure: 12.13f**

Viewpoint 13: Lossiemouth Harbour

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **OS reference:** | 323653 E 871295 N | **Horizontal field of view:** | 53.5° (planar projection) | **Camera:** | Canon EOS 5D Mark II | **Figure: 12.13g** | |
| **Eye level:** | 5.8 mAOD | **Principal distance:** | 812.5 mm | **Lens:** | Canon EF 50mm f/1.4 | Viewpoint 13: Lossiemouth Harbour | |
| **Direction of view:** | 35° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m | Caledonia Offshore Wind Farm | |
| **Nearest turbine:** | 59.24 km | **Correct printed image size:** | 820 x 260 mm | **Date and time:** | 17.10.2023 17:14 | | |

**Operational and Under Construction offshore wind farms have been photomontaged in this view.**

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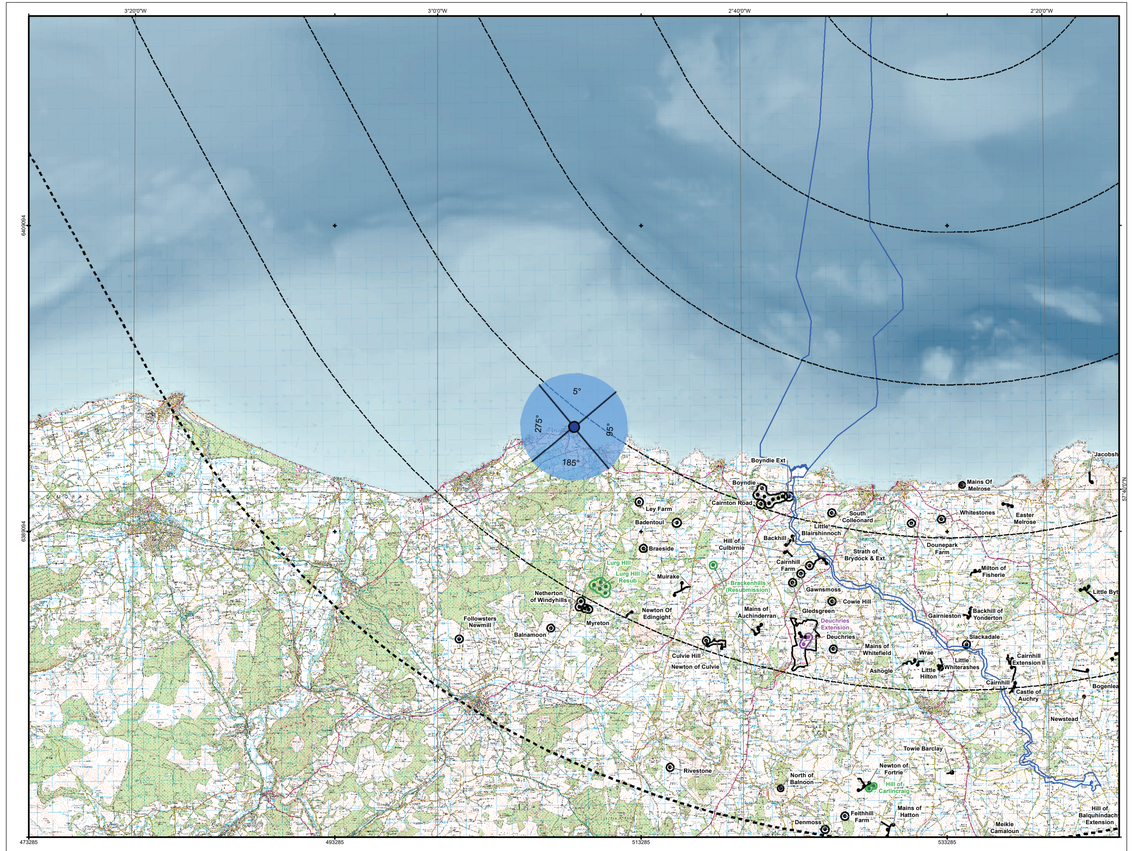
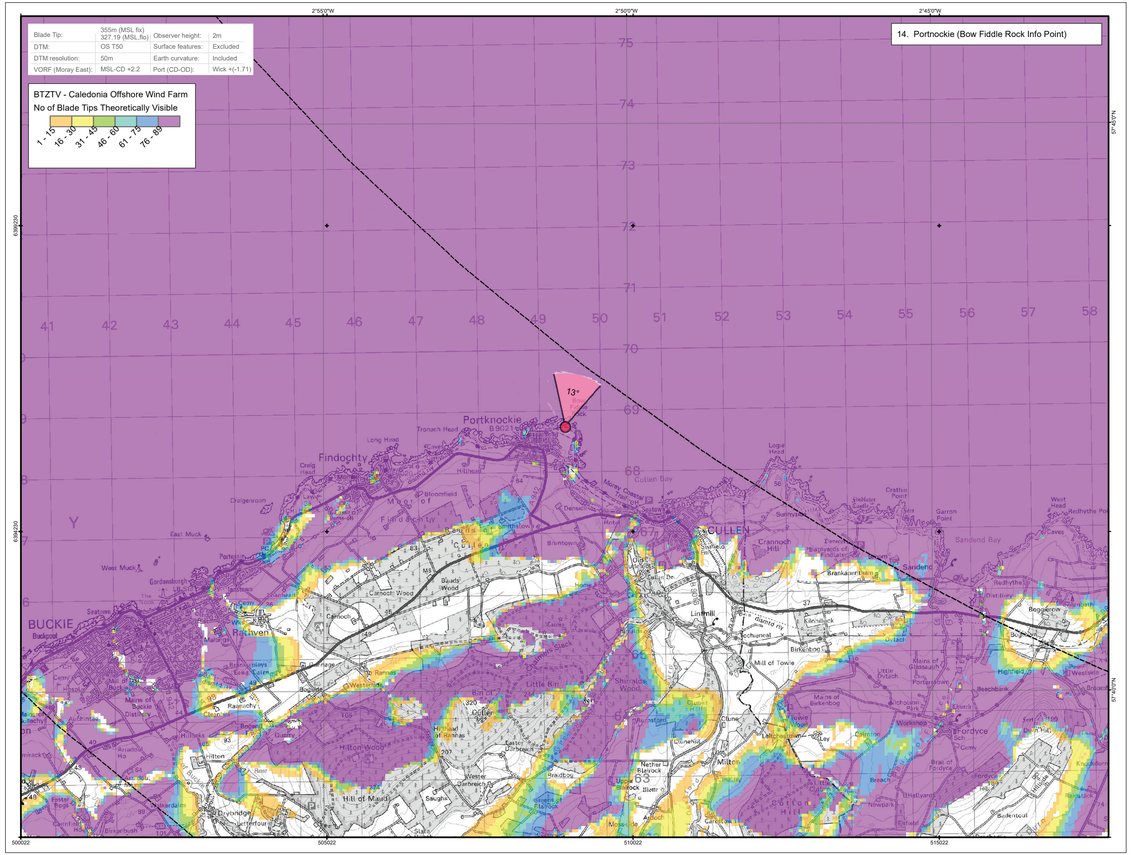



Viewpoint Location Plan Baseline Panorama (90° View)
Scale: 1:200,000




Viewpoint Location Plan (53.5° View)
Scale: 1:50,000

90°Field of View
53.5°Field of View
Caledonia North Fixed
Fixed (47 x 25MW)
Caledonia South Fixed/Floating
Fixed (18 x 25MW)
Floating (24 x 20MW)
OSPs
Caledonia Offshore Wind Farm
Offshore and Onshore Export Cable Corridor
Caledonia North-South Site Division
10km Radii
60km Study Area

Cumulative Windfarms Status:
Operational
Under Construction
Consented
Operational
Under Construction
Consented

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0 2 4 6 8 10 km
0 0.5 1 1.5 2 km

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| 03 | 26/09/2024 | Approved | RH | LT | LT |
| 02 | 10/07/2024 | For Review | RH | LT | LT |
| 01 | 10/05/2024 | For Review | RH | LT | LT |
| REV | DATE | DOC STATUS | ORIGIN | REVIEW | APP |

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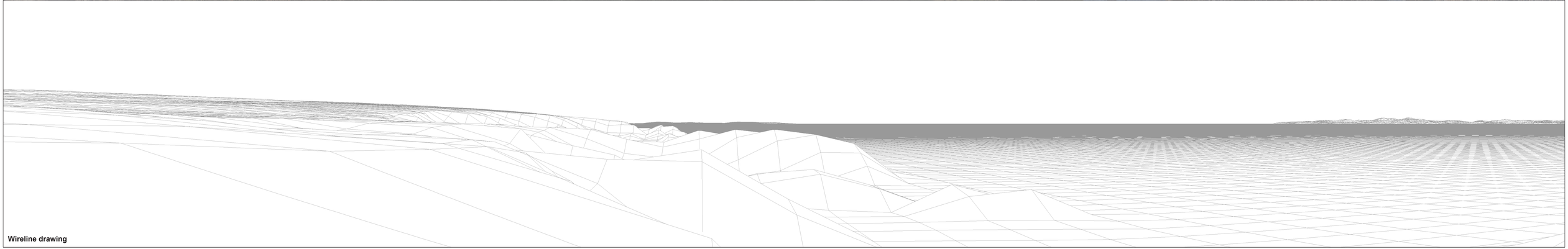
|---|---|
| CONTRACTOR DRAWING NO. UKCAL1_OPN_WNF_ENV_SLV_MAP_00100 | CONTRACTOR REV 03 |
| GEODETIC PARAMETERS WGS 1984 UTM Zone 30N (EPSG:32630) | |

DRAWING TITLE
Figure 12-14a - Viewpoint Plan
14. Portnockie (Bow Fiddle Rock Info Point)
Caledonia Offshore Wind Farm

| | | |
|---|---|---|
| STATUS Approved | SCALE @ A3 1:200,000 1:50,000 | |
| DRAWING NUMBER N/A | SHEET NO. 14 of 22 | REV. N/A |

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|---|---|---|---|---|---|
| **OS reference:** | 349409 E 868739 N | **Horizontal field of view:** | 90° (cylindrical projection) | **Camera:** | Canon EOS 5D Mark II |
| **Eye level:** | 30.1 mAOD | **Principal distance:** | 522 mm | **Lens:** | Canon EF 50mm f/1.4 |
| **Direction of view:** | 275° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m |
| **Nearest turbine:** | 41.38 km | **Correct printed image size:** | 820 x 130 mm | **Date and time:** | 17.10.2023 16:04 |

**Figure: 12.14b**

**Viewpoint 14: Portnockie (Bow Fiddle Rock Info Point)**

**Caledonia Offshore Wind Farm**

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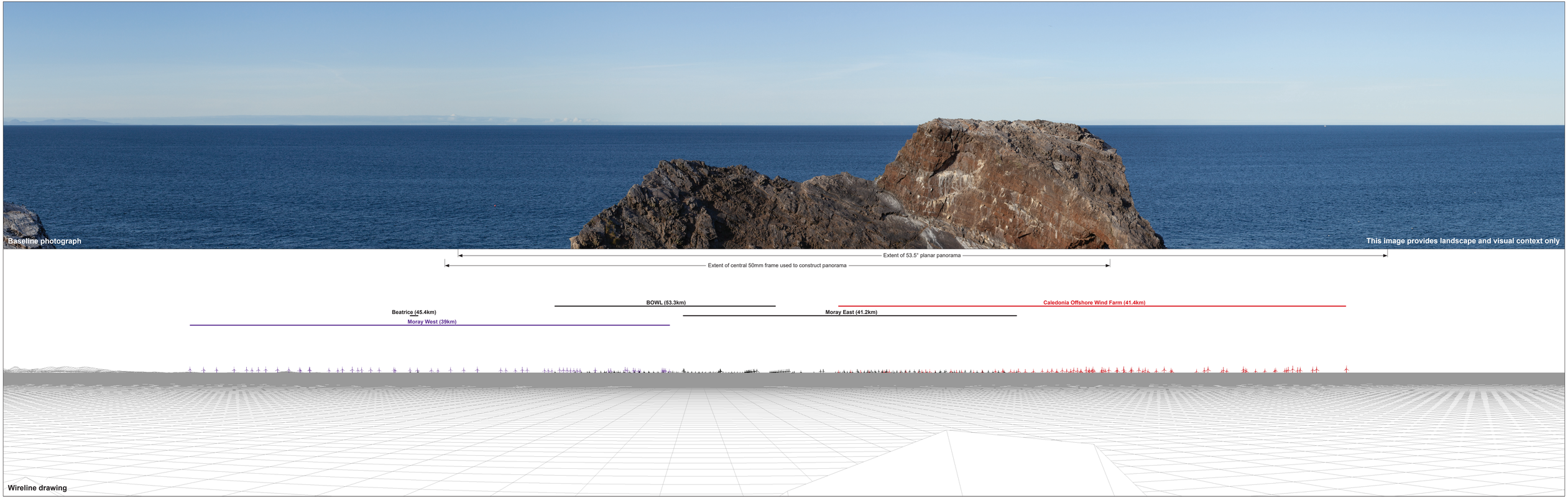


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|---|---|---|---|---|---|
| **OS reference:** | 349409 E 868739 N | **Horizontal field of view:** | 90° (cylindrical projection) | **Camera:** | Canon EOS 5D Mark II |
| **Eye level:** | 30.1 mAOD | **Principal distance:** | 522 mm | **Lens:** | Canon EF 50mm f/1.4 |
| **Direction of view:** | 5° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m |
| **Nearest turbine:** | 41.38 km | **Correct printed image size:** | 820 x 130 mm | **Date and time:** | 17.10.2023 16:04 |

**Figure: 12.14c**

**Viewpoint 14: Portnockie (Bow Fiddle Rock Info Point)**

**Caledonia Offshore Wind Farm**

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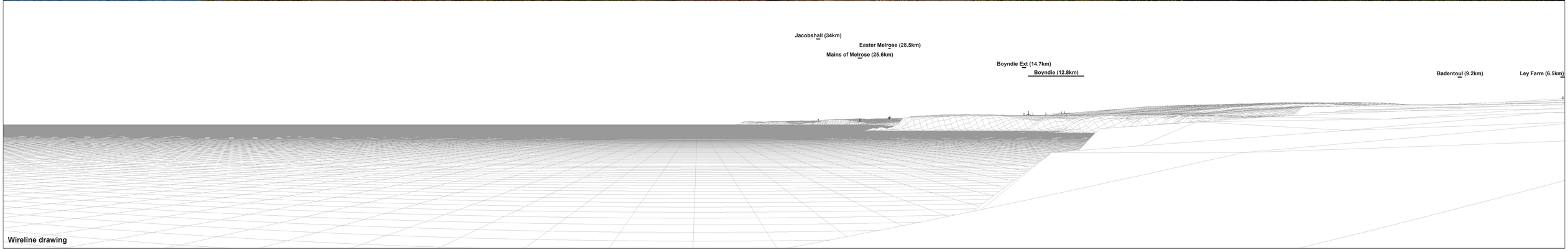


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|---|---|---|---|---|---|
| **OS reference:** | 349409 E 868739 N | **Horizontal field of view:** | 90° (cylindrical projection) | **Camera:** | Canon EOS 5D Mark II |
| **Eye level:** | 30.1 mAOD | **Principal distance:** | 522 mm | **Lens:** | Canon EF 50mm f/1.4 |
| **Direction of view:** | 95° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m |
| **Nearest turbine:** | 41.38 km | **Correct printed image size:** | 820 x 130 mm | **Date and time:** | 17.10.2023 16:04 |

**Figure: 12.14d**

Viewpoint 14: Portnockie (Bow Fiddle Rock Info Point)

Caledonia Offshore Wind Farm

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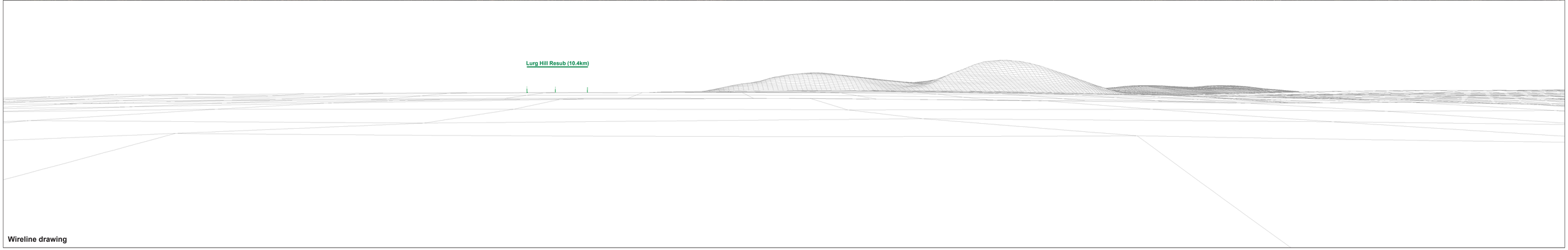


**OS reference:** 349409 E 868739 N
**Eye level:** 30.1 mAOD
**Direction of view:** 185°
**Nearest turbine:** 41.38 km

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

**Camera:** Canon EOS 5D Mark II
**Lens:** Canon EF 50mm f/1.4
**Camera height:** 1.5 m
**Date and time:** 17.10.2023 16:04

**Figure: 12.14e**
**Viewpoint 14: Portnockie (Bow Fiddle Rock Info Point)**
**Caledonia Offshore Wind Farm**
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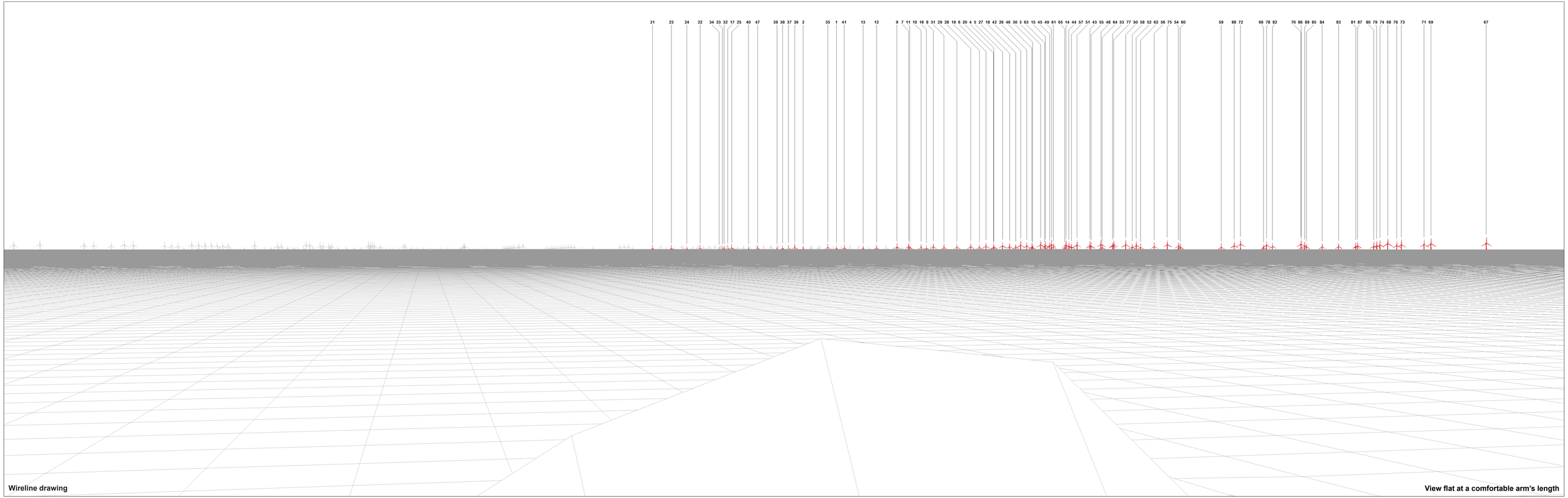


**OS reference:** 349409 E 868739 N
**Eye level:** 30.1 mAOD
**Direction of view:** 13°
**Nearest turbine:** 41.38 km

**Horizontal field of view:** 53.5° (planar projection)
**Principal distance:** 812.5 mm
**Paper size:** 841 x 297 mm (half A1)
**Correct printed image size:** 820 x 260 mm

**Camera:** Canon EOS 5D Mark II
**Lens:** Canon EF 50mm f/1.4
**Camera height:** 1.5 m
**Date and time:** 17.10.2023 16:04

**Figure: 12.14f**
**Viewpoint 14: Portnockie (Bow Fiddle Rock Info Point)**
**Caledonia Offshore Wind Farm**
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| | | | | | |
|---|---|---|---|---|---|
| **OS reference:** | 349409 E 868739 N | **Horizontal field of view:** | 53.5° (planar projection) | **Camera:** | Canon EOS 5D Mark II |
| **Eye level:** | 30.1 mAOD | **Principal distance:** | 812.5 mm | **Lens:** | Canon EF 50mm f/1.4 |
| **Direction of view:** | 13° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m |
| **Nearest turbine:** | 41.38 km | **Correct printed image size:** | 820 x 260 mm | **Date and time:** | 17.10.2023 16:04 |

**Operational and Under Construction offshore wind farms have been photomontaged in this view.**

**Figure: 12.14g**

Viewpoint 14: Portnockie (Bow Fiddle Rock Info Point)

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| | | | | | |
|---|---|---|---|---|---|
| **OS reference:** | 349409 E 868739 N | **Horizontal field of view:** | 53.5° (planar projection) | **Camera:** | Canon EOS 5D Mark II |
| **Eye level:** | 30.1 mAOD | **Principal distance:** | 812.5 mm | **Lens:** | Canon EF 50mm f/1.4 |
| **Direction of view:** | 13° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m |
| **Nearest turbine:** | 41.38 km | **Correct printed image size:** | 820 x 260 mm | **Date and time:** | 17.10.2023 16:04 |

**Operational and Under Construction offshore wind farms have been photomontaged in this view.**

**Figure: 12.14h**

Viewpoint 14: Portnockie (Bow Fiddle Rock Info Point)

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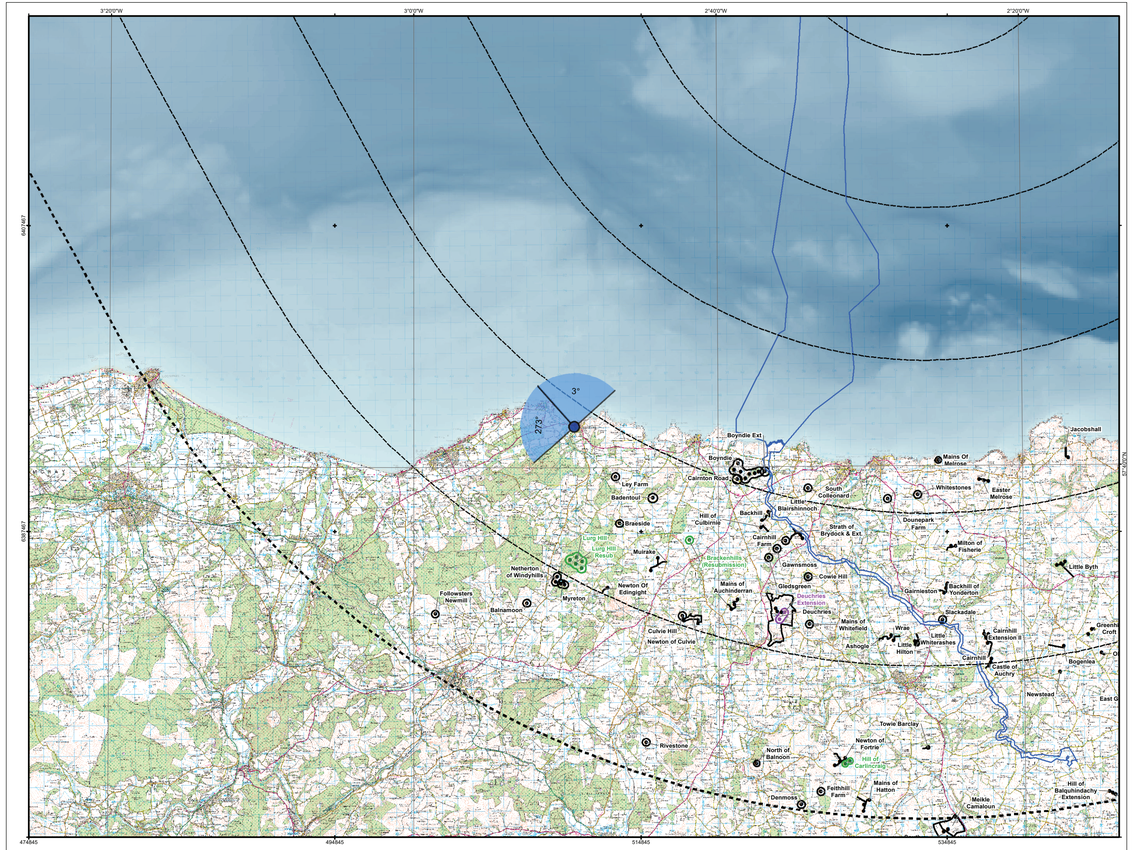
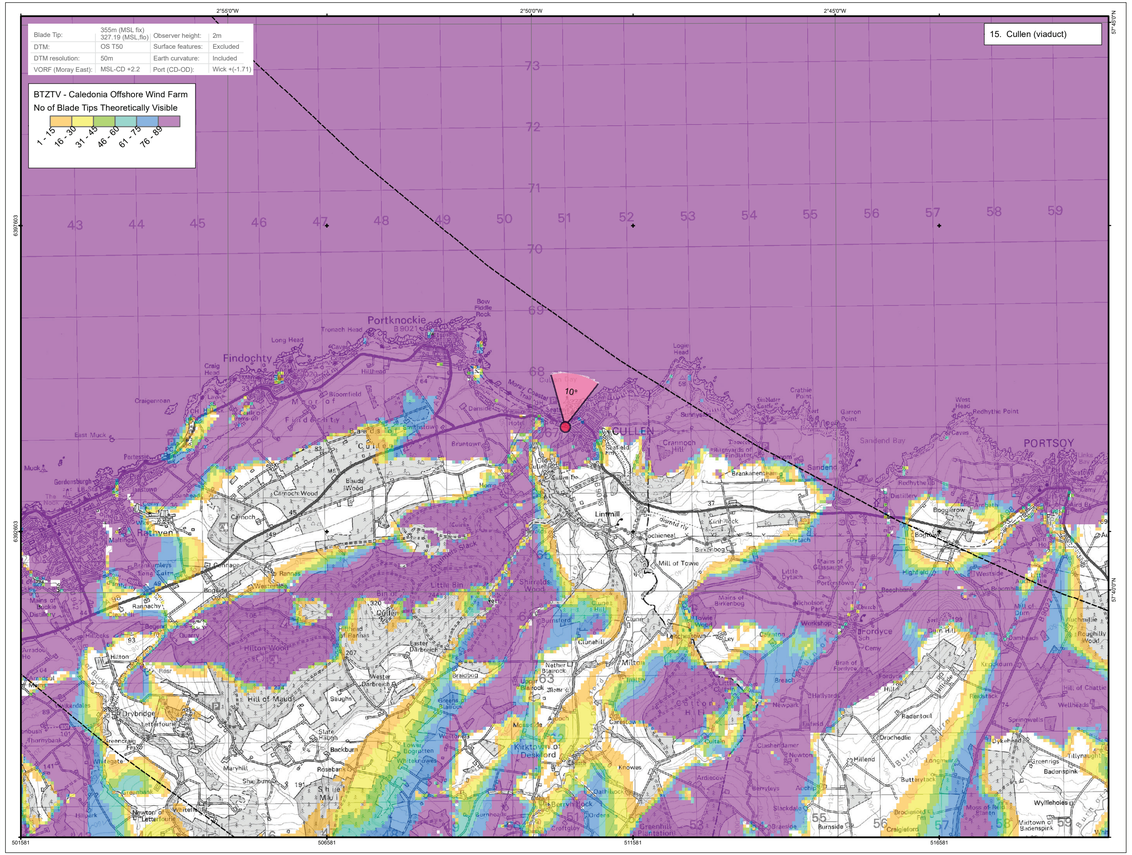



Viewpoint Location Plan Baseline Panorama (90° View)
Scale: 1:200,000




Viewpoint Location Plan (53.5° View)
Scale: 1:50,000

90°Field of View
53.5°Field of View
Caledonia North Fixed
Fixed (47 x 25MW)
Caledonia South Fixed/Floating
Fixed (18 x 25MW)
Floating (24 x 20MW)
OSPs
Caledonia Offshore Wind Farm
Offshore and Onshore Export Cable Corridor
Caledonia North-South Site Division
10km Radii
60km Study Area

Cumulative Windfarms Status:
Operational
Under Construction
Consented
Operational
Under Construction
Consented

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| 02 | 10/07/2024 | For Review | RH | LT | LT |
| 01 | 10/05/2024 | For Review | RH | LT | LT |

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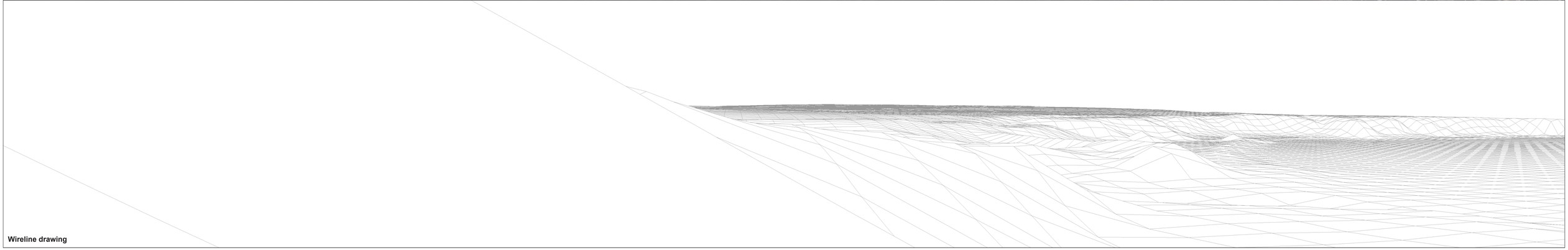
| CONTRACTOR DRAWING NO: UKCAL1_OPN_WNF_ENV_SLV_MAP_00101 | CONTRACTOR REV: 03 |
| GEODETIC PARAMETERS: WGS 1984 UTM Zone 30N (EPSG:32630) | |
| DRAWING TITLE: Figure 12-15a - Viewpoint Plan 15. Cullen (viaduct) | |
| Caledonia Offshore Wind Farm | |
| STATUS: Approved | SCALE: 1:200,000 1:50,000 |
| DRAWING NUMBER: N/A | SHEET NO: 15 of 22 REV: N/A |

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|---|---|---|---|---|---|
| **OS reference:** | 350944 E 867089 N | **Horizontal field of view:** | 90° (cylindrical projection) | **Camera:** | Canon EOS 5D Mark II |
| **Eye level:** | 30.7 mAOD | **Principal distance:** | 522 mm | **Lens:** | Canon EF 50mm f/1.4 |
| **Direction of view:** | 273° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m |
| **Nearest turbine:** | 41.82 km | **Correct printed image size:** | 820 x 130 mm | **Date and time:** | 17.10.2023 15:27 |

**Figure: 12.15b**

**Viewpoint 15: Cullen (viaduct)**

**Caledonia Offshore Wind Farm**

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|---|---|---|---|---|---|
| **OS reference:** | 350944 E 867089 N | **Horizontal field of view:** | 90° (cylindrical projection) | **Camera:** | Canon EOS 5D Mark II |
| **Eye level:** | 30.7 mAOD | **Principal distance:** | 522 mm | **Lens:** | Canon EF 50mm f/1.4 |
| **Direction of view:** | 3° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m |
| **Nearest turbine:** | 41.82 km | **Correct printed image size:** | 820 x 130 mm | **Date and time:** | 17.10.2023 15:27 |

**Figure: 12.15c**

**Viewpoint 15: Cullen (viaduct)**

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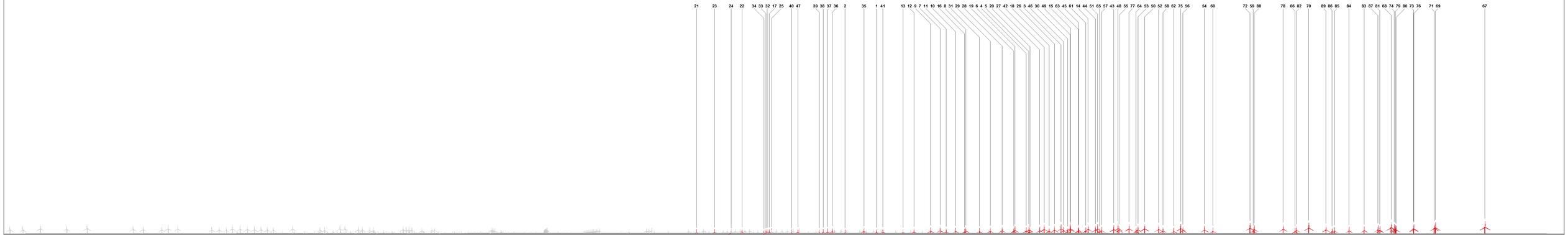


**Wireline drawing**

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

| | | | | | |
|---|---|---|---|---|---|
| **OS reference:** | 350944 E 867089 N | **Horizontal field of view:** | 53.5° (planar projection) | **Camera:** | Canon EOS 5D Mark II |
| **Eye level:** | 30.7 mAOD | **Principal distance:** | 812.5 mm | **Lens:** | Canon EF 50mm f/1.4 |
| **Direction of view:** | 10° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m |
| **Nearest turbine:** | 41.82 km | **Correct printed image size:** | 820 x 260 mm | **Date and time:** | 17.10.2023 15:27 |

**Figure: 12.15d**

**Viewpoint 15: Cullen (viaduct)**

**Caledonia Offshore Wind Farm**

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **OS reference:** | 350944 E 867089 N | **Horizontal field of view:** | 53.5° (planar projection) | **Camera:** | Canon EOS 5D Mark II | **Operational and Under Construction offshore wind farms have been photomontaged in this view.** | **Figure: 12.15e** |
| **Eye level:** | 30.7 mAOD | **Principal distance:** | 812.5 mm | **Lens:** | Canon EF 50mm f/1.4 | | **Viewpoint 15: Cullen (viaduct)** |
| **Direction of view:** | 10° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m | | **Caledonia Offshore Wind Farm** |
| **Nearest turbine:** | 41.82 km | **Correct printed image size:** | 820 x 260 mm | **Date and time:** | 17.10.2023 15:27 | | |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **OS reference:** | 350944 E 867089 N | **Horizontal field of view:** | 53.5° (planar projection) | **Camera:** | Canon EOS 5D Mark II | **Operational and Under Construction offshore wind farms have been photomontaged in this view.** | **Figure: 12.15f** |
| **Eye level:** | 30.7 mAOD | **Principal distance:** | 812.5 mm | **Lens:** | Canon EF 50mm f/1.4 | | **Viewpoint 15: Cullen (viaduct)** |
| **Direction of view:** | 10° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m | | **Caledonia Offshore Wind Farm** |
| **Nearest turbine:** | 41.82 km | **Correct printed image size:** | 820 x 260 mm | **Date and time:** | 17.10.2023 15:27 | | |

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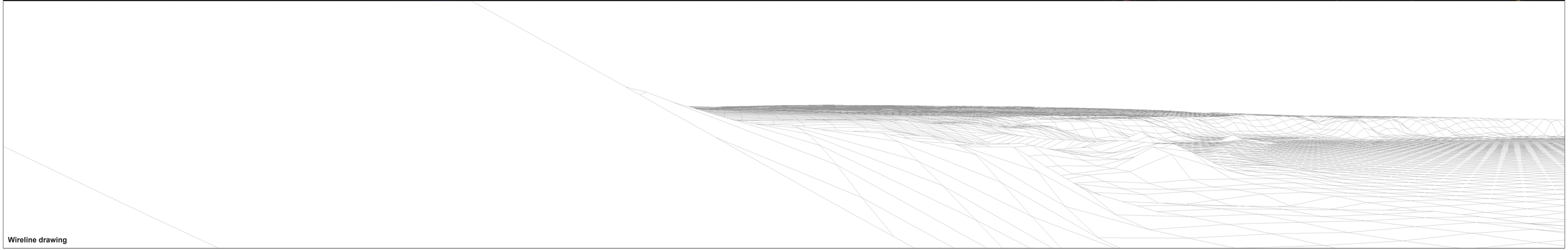


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|---|---|---|---|---|---|
| **OS reference:** | 350944 E 867089 N | **Horizontal field of view:** | 90° (cylindrical projection) | **Camera:** | Canon EOS 5D Mark II |
| **Eye level:** | 30.7 mAOD | **Principal distance:** | 522 mm | **Lens:** | Canon EF 50mm f/1.4 |
| **Direction of view:** | 273° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m |
| **Nearest turbine:** | 41.82 km | **Correct printed image size:** | 820 x 130 mm | **Date and time:** | 23.10.2023 18:27 |

**Figure: 12.15g**

**Viewpoint 15: Cullen (viaduct)**

**Caledonia Offshore Wind Farm**

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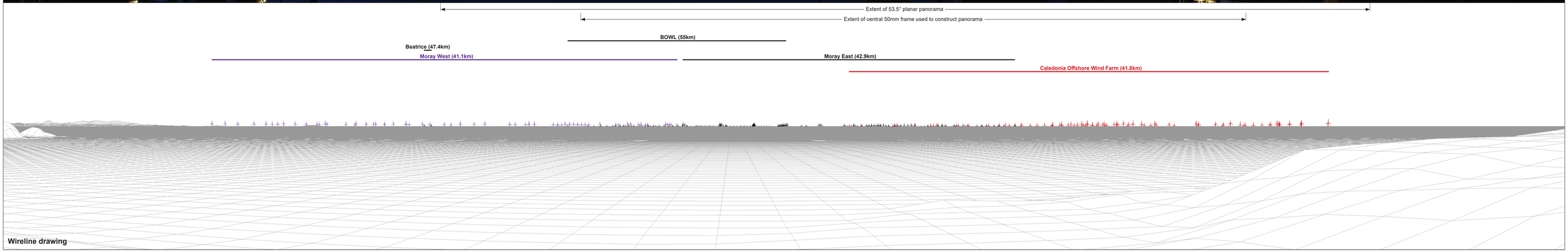


| | | | | | |
|---|---|---|---|---|---|
| **OS reference:** | 350944 E 867089 N | **Horizontal field of view:** | 90° (cylindrical projection) | **Camera:** | Canon EOS 5D Mark II |
| **Eye level:** | 30.7 mAOD | **Principal distance:** | 522 mm | **Lens:** | Canon EF 50mm f/1.4 |
| **Direction of view:** | 3° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m |
| **Nearest turbine:** | 41.82 km | **Correct printed image size:** | 820 x 130 mm | **Date and time:** | 23.10.2023 18:27 |

**Figure: 12.15h**

**Viewpoint 15: Cullen (viaduct)**

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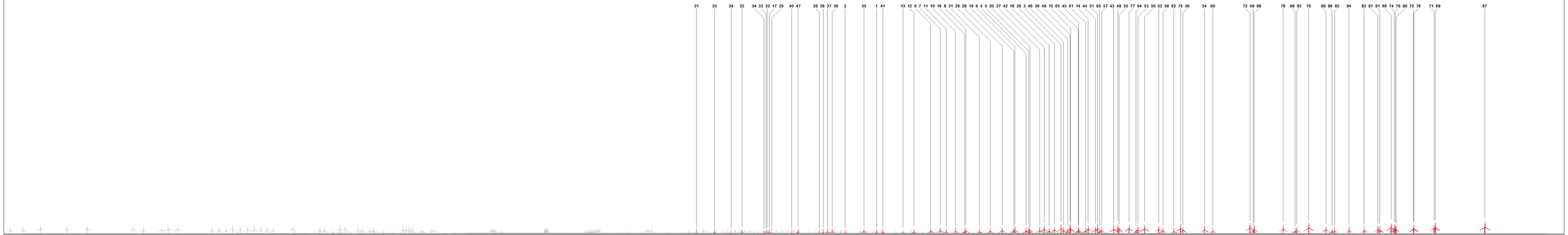


**Wireline drawing**

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

| | | | | | |
|---|---|---|---|---|---|
| **OS reference:** | 350944 E 867089 N | **Horizontal field of view:** | 53.5° (planar projection) | **Camera:** | Canon EOS 5D Mark II |
| **Eye level:** | 30.7 mAOD | **Principal distance:** | 812.5 mm | **Lens:** | Canon EF 50mm f/1.4 |
| **Direction of view:** | 10° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m |
| **Nearest turbine:** | 41.82 km | **Correct printed image size:** | 820 x 260 mm | **Date and time:** | 23.10.2023 18:27 |

**Figure: 12.15i**

**Viewpoint 15: Cullen (viaduct)**

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**OS reference:** 350944 E 867089 N
**Eye level:** 30.7 mAOD
**Direction of view:** 10°
**Nearest turbine:** 41.82 km

**Horizontal field of view:** 53.5° (planar projection)
**Principal distance:** 812.5 mm
**Paper size:** 841 x 297 mm (half A1)
**Correct printed image size:** 820 x 260 mm

**Camera:** Canon EOS 5D Mark II
**Lens:** Canon EF 50mm f/1.4
**Camera height:** 1.5 m
**Date and time:** 23.10.2023 18:27

**Operational and Under Construction offshore wind farms have been photomontaged in this view.**

**Figure: 12.15j**
**Viewpoint 15: Cullen (viaduct)**
**Caledonia Offshore Wind Farm**
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| | | | | | |
|---|---|---|---|---|---|
| **OS reference:** | 350944 E 867089 N | **Horizontal field of view:** | 53.5° (planar projection) | **Camera:** | Canon EOS 5D Mark II |
| **Eye level:** | 30.7 mAOD | **Principal distance:** | 812.5 mm | **Lens:** | Canon EF 50mm f/1.4 |
| **Direction of view:** | 10° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m |
| **Nearest turbine:** | 41.82 km | **Correct printed image size:** | 820 x 260 mm | **Date and time:** | 23.10.2023 18:27 |

**Operational and Under Construction offshore wind farms have been photomontaged in this view.**

**Figure: 12.15k**

**Viewpoint 15: Cullen (viaduct)**

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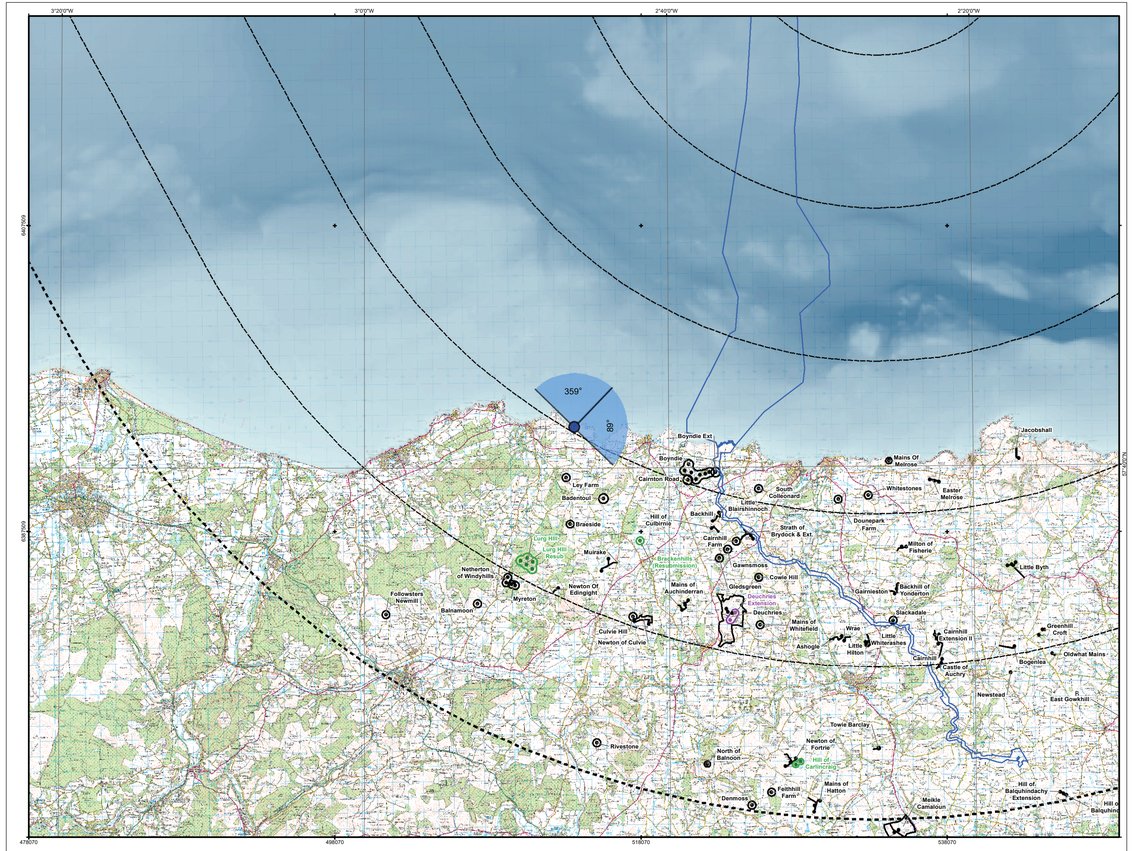
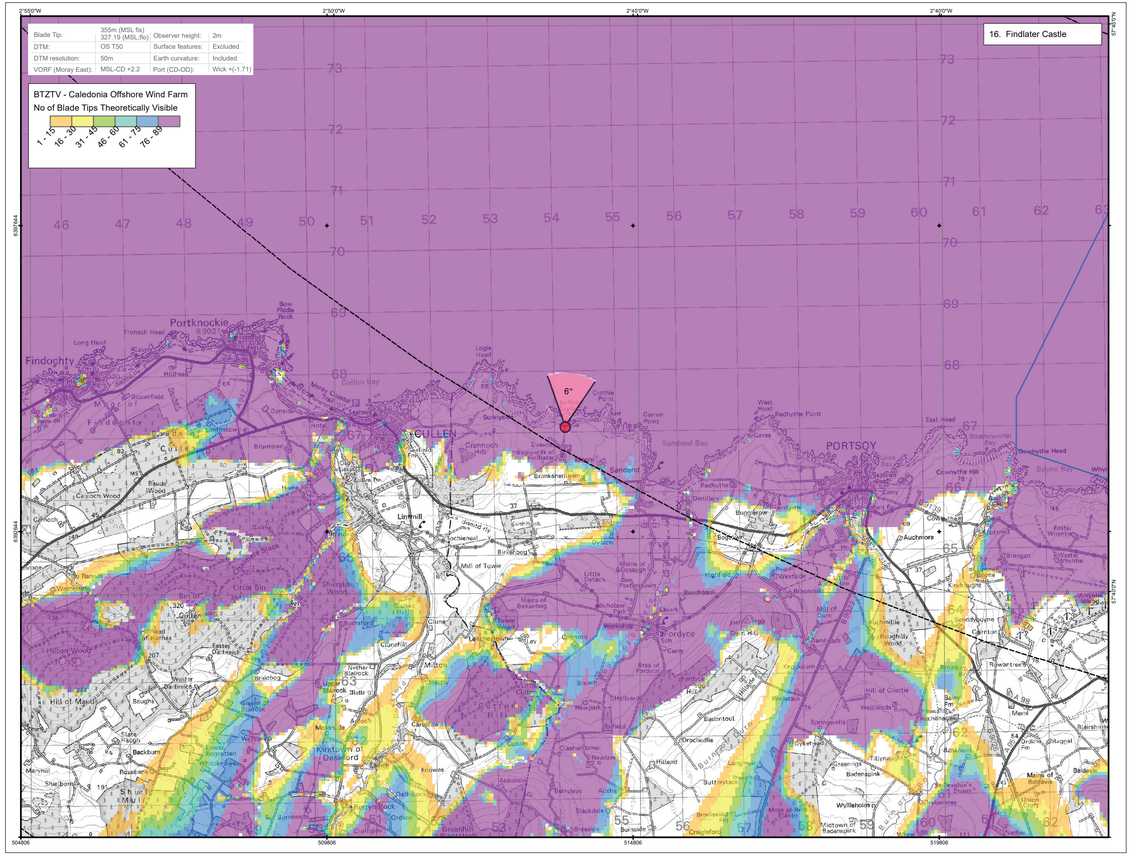



Viewpoint Location Plan Baseline Panorama (90° View)
Scale: 1:200,000




Viewpoint Location Plan (53.5° View)
Scale: 1:50,000

90°Field of View
53.5°Field of View
Caledonia North Fixed
Fixed (47 x 25MW)
Caledonia South Fixed/Floating
Fixed (18 x 25MW)
Floating (24 x 20MW)
OSPs
Caledonia Offshore Wind Farm
Offshore and Onshore Export Cable Corridor
Caledonia North-South Site Division
10km Radii
60km Study Area

Cumulative Windfarms Status:
Operational
Under Construction
Consented
Operational
Under Construction
Consented

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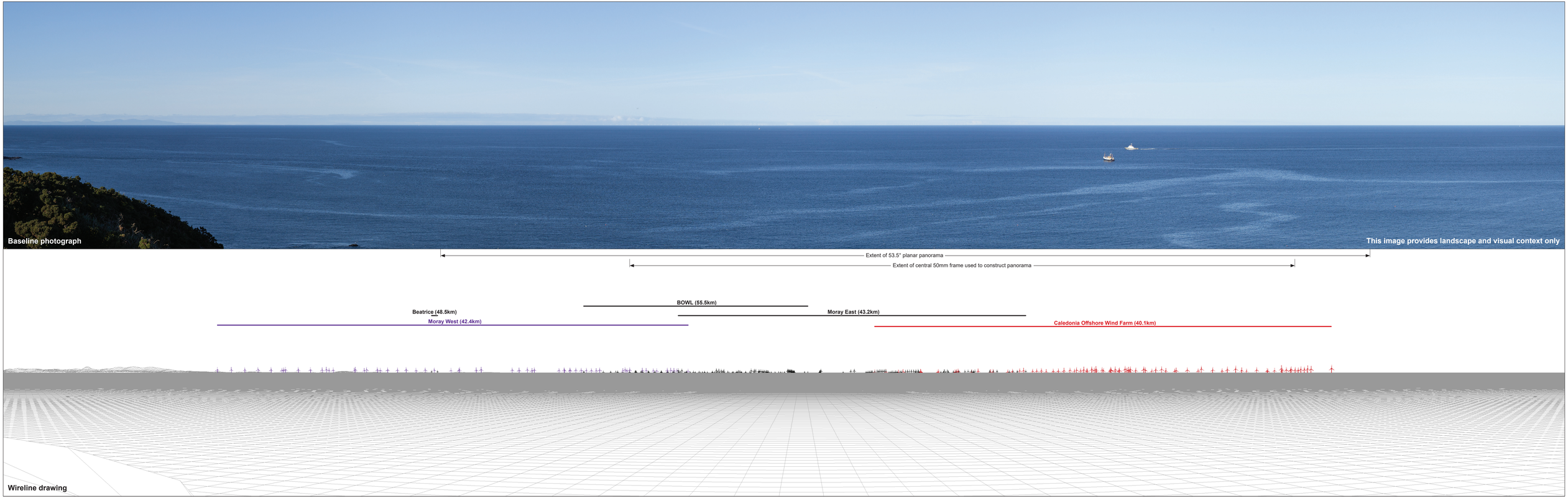
|---|---|---|---|---|---|
| 03 | 26/09/2024 | Approved | RH | LT | LT |
| 02 | 10/07/2024 | For Review | RH | LT | LT |
| 01 | 10/05/2024 | For Review | RH | LT | LT |

CALEDONIA Offshore Wind Farm
open
PART OF SLR

CONTRACTOR DRAWING NO: UKCAL1_OPN_WNF_ENV_SLV_MAP_00102
CONTRACTOR REV: 03
GEODETIC PARAMETERS: WGS 1984 UTM Zone 30N (EPSG:32630)
DRAWING TITLE: Figure 12-16a - Viewpoint Plan 16. Findlater Castle
Caledonia Offshore Wind Farm
STATUS: Approved
SCALE: 1:200,000 1:50,000
DRAWING NUMBER: N/A
SHEET NO: 16 of 22
REV: N/A




| | | | | | |
|---|---|---|---|---|---|
| **OS reference:** | 354170 E 867083 N | **Horizontal field of view:** | 90° (cylindrical projection) | **Camera:** | Canon EOS 5D Mark II |
| **Eye level:** | 56.7 mAOD | **Principal distance:** | 522 mm | **Lens:** | Canon EF 50mm f/1.4 |
| **Direction of view:** | 359° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m |
| **Nearest turbine:** | 40.09 km | **Correct printed image size:** | 820 x 130 mm | **Date and time:** | 17.10.2023 14:57 |

**Figure: 12.16b**

**Viewpoint 16: Findlater Castle**

**Caledonia Offshore Wind Farm**

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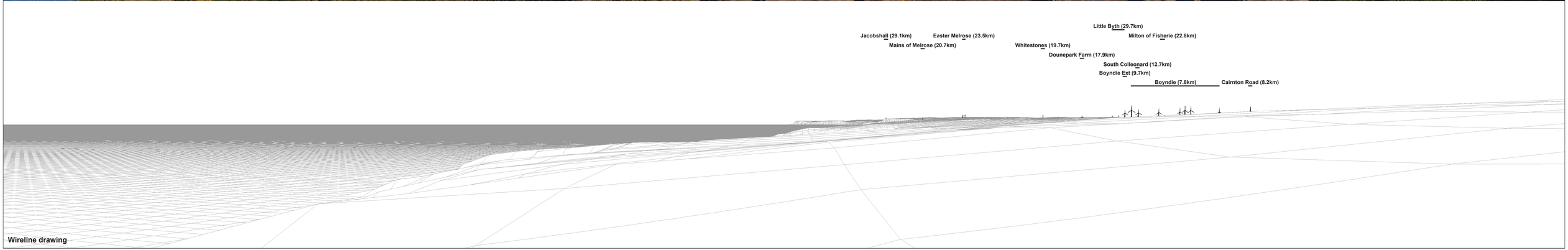


| | | | | | |
|---|---|---|---|---|---|
| **OS reference:** | 354170 E 867083 N | **Horizontal field of view:** | 90° (cylindrical projection) | **Camera:** | Canon EOS 5D Mark II |
| **Eye level:** | 56.7 mAOD | **Principal distance:** | 522 mm | **Lens:** | Canon EF 50mm f/1.4 |
| **Direction of view:** | 89° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m |
| **Nearest turbine:** | 40.09 km | **Correct printed image size:** | 820 x 130 mm | **Date and time:** | 17.10.2023 14:57 |

**Figure: 12.16c**

**Viewpoint 16: Findlater Castle**

**Caledonia Offshore Wind Farm**

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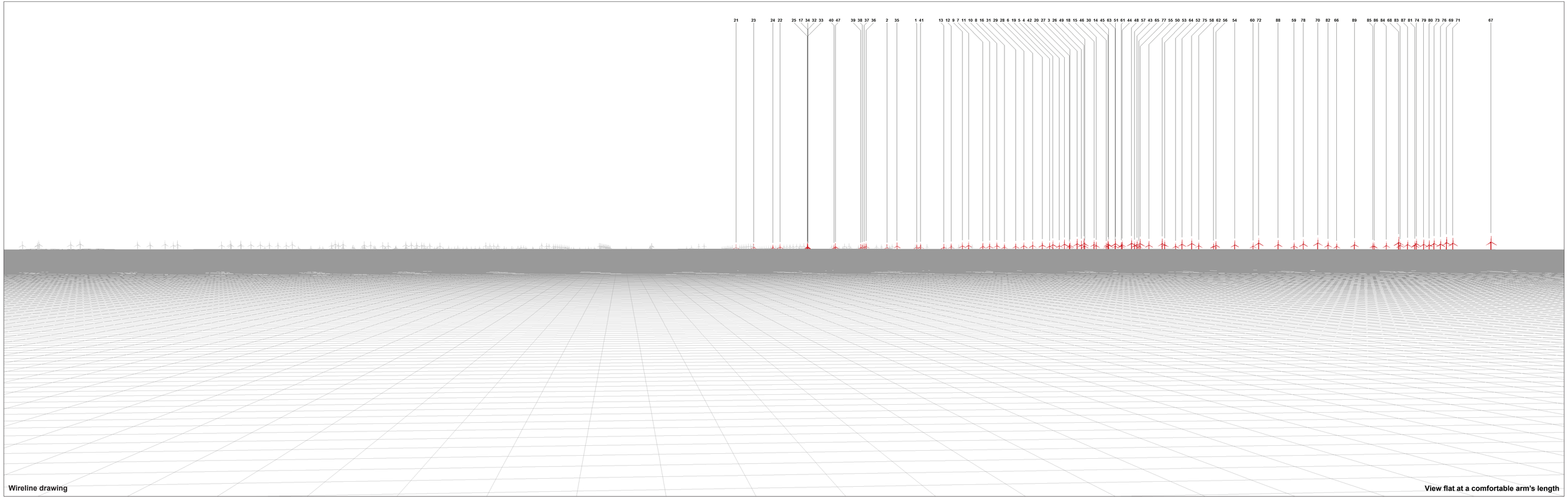


**OS reference:** 354170 E 867083 N
**Eye level:** 56.7 mAOD
**Direction of view:** 6°
**Nearest turbine:** 40.09 km

**Horizontal field of view:** 53.5° (planar projection)
**Principal distance:** 812.5 mm
**Paper size:** 841 x 297 mm (half A1)
**Correct printed image size:** 820 x 260 mm

**Camera:** Canon EOS 5D Mark II
**Lens:** Canon EF 50mm f/1.4
**Camera height:** 1.5 m
**Date and time:** 17.10.2023 14:57

**Figure: 12.16d**
**Viewpoint 16: Findlater Castle**
**Caledonia Offshore Wind Farm**

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| | | | | | |
|---|---|---|---|---|---|
| **OS reference:** | 354170 E 867083 N | **Horizontal field of view:** | 53.5° (planar projection) | **Camera:** | Canon EOS 5D Mark II |
| **Eye level:** | 56.7 mAOD | **Principal distance:** | 812.5 mm | **Lens:** | Canon EF 50mm f/1.4 |
| **Direction of view:** | 6° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m |
| **Nearest turbine:** | 40.09 km | **Correct printed image size:** | 820 x 260 mm | **Date and time:** | 17.10.2023 14:57 |

**Operational and Under Construction offshore wind farms have been photomontaged in this view.**

**Figure: 12.16e**

**Viewpoint 16: Findlater Castle**

**Caledonia Offshore Wind Farm**

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| | | | | | |
|---|---|---|---|---|---|
| **OS reference:** | 354170 E 867083 N | **Horizontal field of view:** | 53.5° (planar projection) | **Camera:** | Canon EOS 5D Mark II |
| **Eye level:** | 56.7 mAOD | **Principal distance:** | 812.5 mm | **Lens:** | Canon EF 50mm f/1.4 |
| **Direction of view:** | 6° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m |
| **Nearest turbine:** | 40.09 km | **Correct printed image size:** | 820 x 260 mm | **Date and time:** | 17.10.2023 14:57 |

**Operational and Under Construction offshore wind farms have been photomontaged in this view.**

**Figure: 12.16f**

**Viewpoint 16: Findlater Castle**

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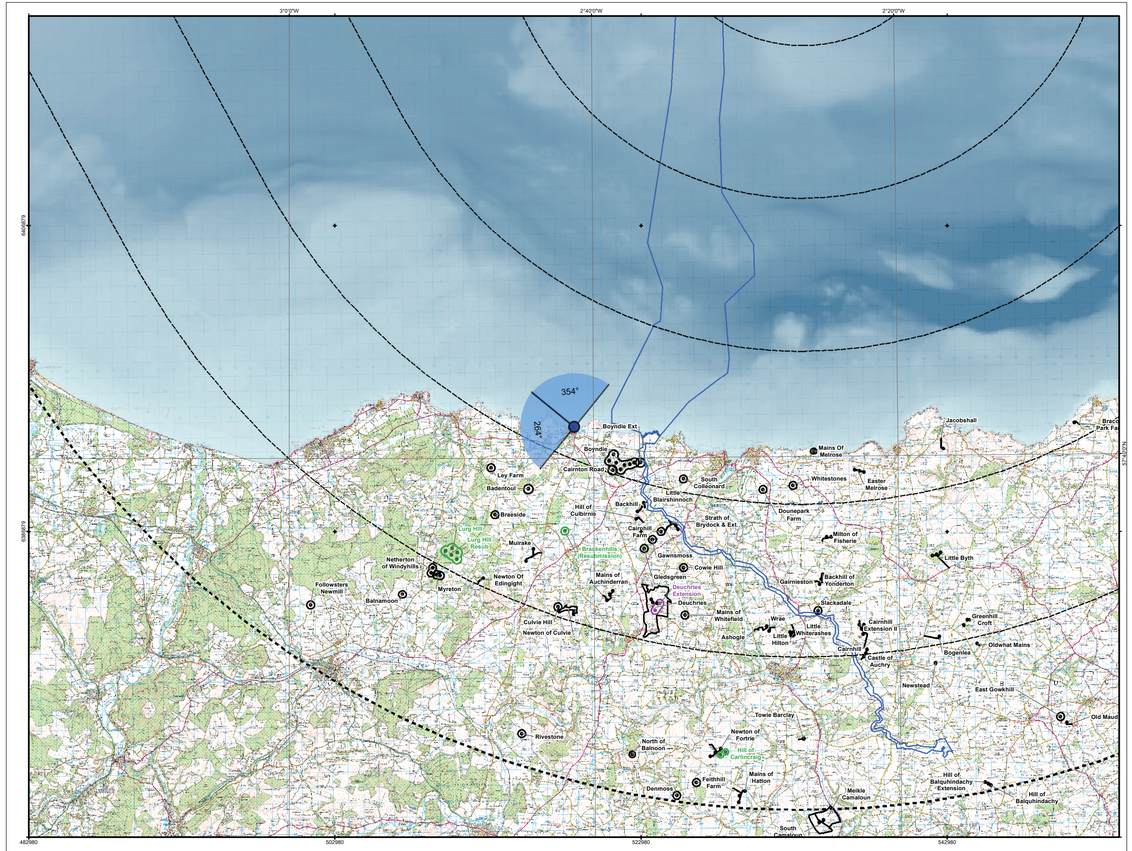
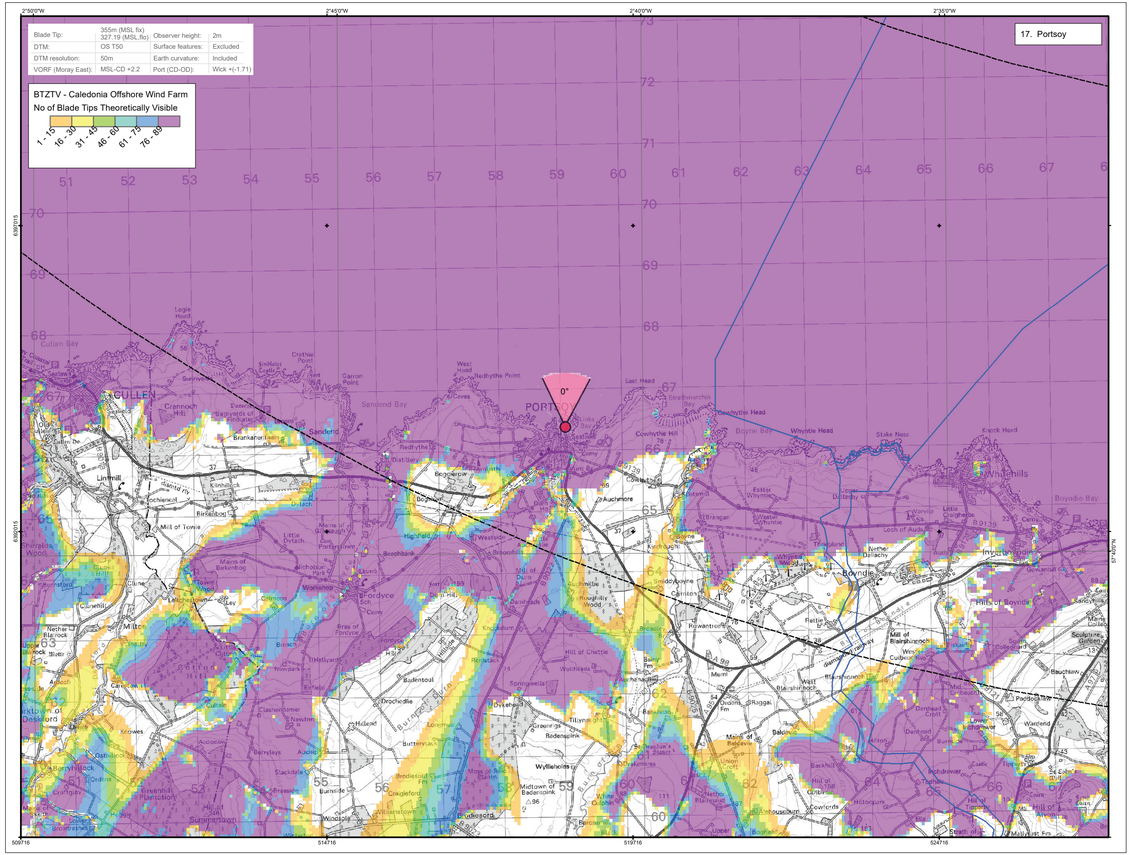



Viewpoint Location Plan Baseline Panorama (90° View)
Scale: 1:200,000




Viewpoint Location Plan (53.5° View)
Scale: 1:50,000

90°Field of View
53.5°Field of View
Caledonia North Fixed
Fixed (47 x 25MW)
Caledonia South Fixed/Floating
Fixed (18 x 25MW)
Floating (24 x 20MW)
OSPs
Caledonia Offshore Wind Farm
Offshore and Onshore Export Cable Corridor
Caledonia North-South Site Division
10km Radii
60km Study Area

Cumulative Windfarms Status:
Operational
Under Construction
Consented
Operational
Under Construction
Consented

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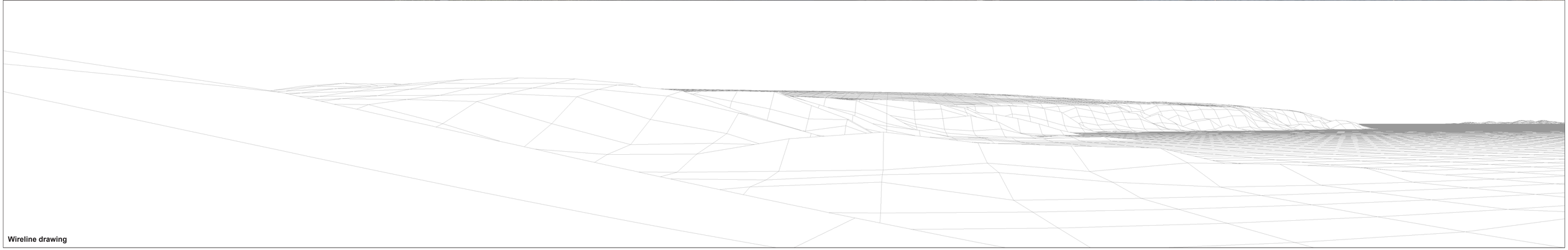
CALEDONIA Offshore Wind Farm
open
collaborative environments
PART OF SLR

CONTRACTOR DRAWING NO: UKCAL1_OPN_WNF_ENV_SLV_MAP_00103
CONTRACTOR REV: 03
GEODETIC PARAMETERS: WGS 1984 UTM Zone 30N (EPSG:32630)
DRAWING TITLE: Figure 12-17a - Viewpoint Plan 17. Portsoy
Caledonia Offshore Wind Farm
STATUS: Approved
SCALE: 1:200,000 1:50,000
DRAWING NUMBER: N/A
SHEET NO: 17 of 22
REV: N/A




**OS reference:** 359070 E 866381 N
**Eye level:** 11.9 mAOD
**Direction of view:** 264°
**Nearest turbine:** 38.48 km

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

**Camera:** Canon EOS 5D Mark II
**Lens:** Canon EF 50mm f/1.4
**Camera height:** 1.5 m
**Date and time:** 17.10.2023 14:25

**Figure: 12.17b**
**Viewpoint 17: Portsoy**
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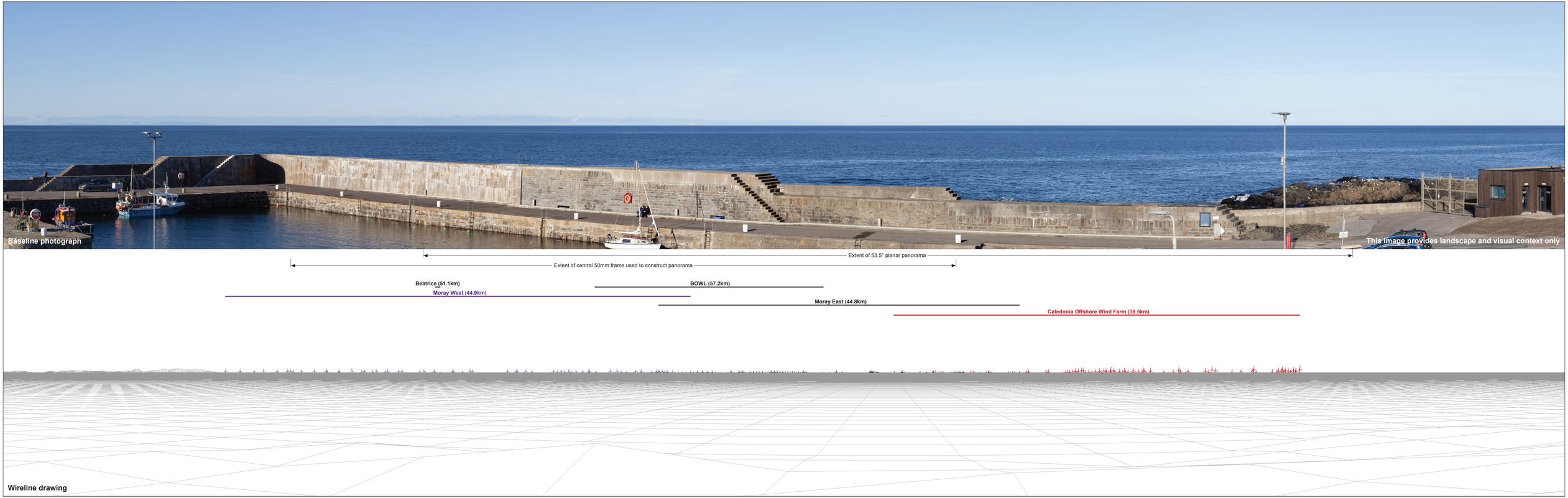


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|---|---|---|---|---|---|
| **OS reference:** | 359070 E 866381 N | **Horizontal field of view:** | 90° (cylindrical projection) | **Camera:** | Canon EOS 5D Mark II |
| **Eye level:** | 11.9 mAOD | **Principal distance:** | 522 mm | **Lens:** | Canon EF 50mm f/1.4 |
| **Direction of view:** | 354° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m |
| **Nearest turbine:** | 38.48 km | **Correct printed image size:** | 820 x 130 mm | **Date and time:** | 17.10.2023 14:25 |

**Figure: 12.17c**

**Viewpoint 17: Portsoy**

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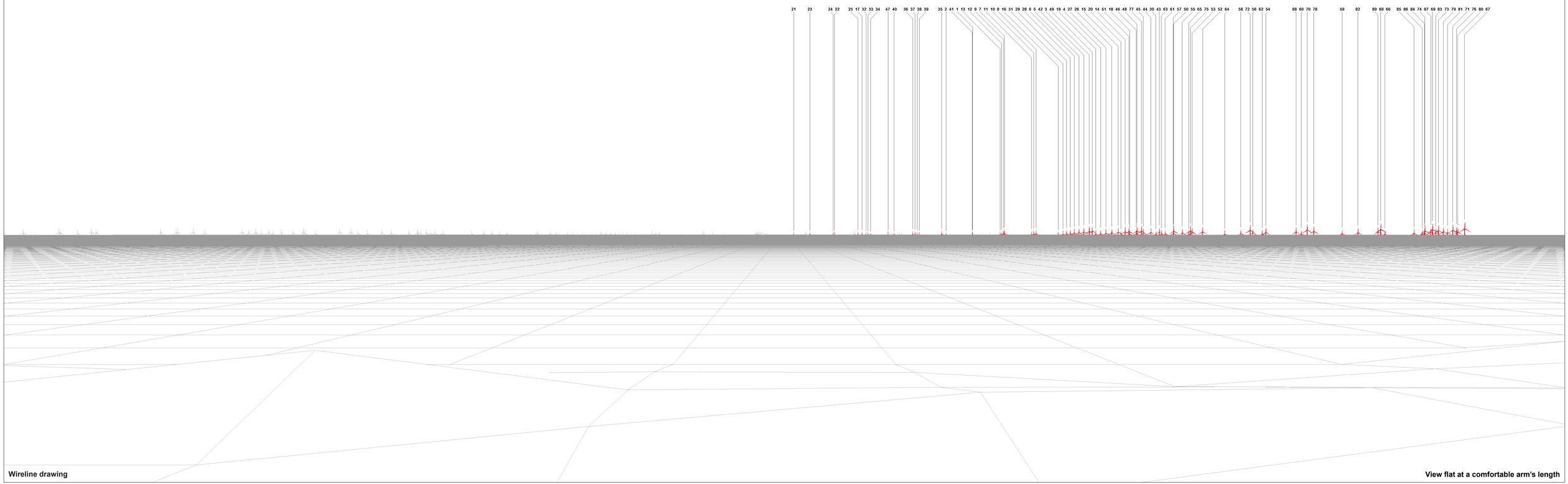


**Wireline drawing**

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

| | | | | | |
|---|---|---|---|---|---|
| **OS reference:** | 359070 E 866381 N | **Horizontal field of view:** | 53.5° (planar projection) | **Camera:** | Canon EOS 5D Mark II |
| **Eye level:** | 11.9 mAOD | **Principal distance:** | 812.5 mm | **Lens:** | Canon EF 50mm f/1.4 |
| **Direction of view:** | 0° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m |
| **Nearest turbine:** | 38.48 km | **Correct printed image size:** | 820 x 260 mm | **Date and time:** | 17.10.2023 14:25 |

**Figure: 12.17d**

**Viewpoint 17: Portsoy**

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| | | | | | |
|---|---|---|---|---|---|
| **OS reference:** | 359070 E 866381 N | **Horizontal field of view:** | 53.5° (planar projection) | **Camera:** | Canon EOS 5D Mark II |
| **Eye level:** | 11.9 mAOD | **Principal distance:** | 812.5 mm | **Lens:** | Canon EF 50mm f/1.4 |
| **Direction of view:** | 0° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m |
| **Nearest turbine:** | 38.48 km | **Correct printed image size:** | 820 x 260 mm | **Date and time:** | 17.10.2023 14:25 |

**Operational and Under Construction offshore wind farms have been photomontaged in this view.**

**Figure: 12.17e**

**Viewpoint 17: Portsoy**

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **OS reference:** | 359070 E 866381 N | **Horizontal field of view:** | 53.5° (planar projection) | **Camera:** | Canon EOS 5D Mark II | | |
| **Eye level:** | 11.9 mAOD | **Principal distance:** | 812.5 mm | **Lens:** | Canon EF 50mm f/1.4 | | |
| **Direction of view:** | 0° | **Paper size:** | 841 x 297 mm (half A1) | **Camera height:** | 1.5 m | | |
| **Nearest turbine:** | 38.48 km | **Correct printed image size:** | 820 x 260 mm | **Date and time:** | 17.10.2023 14:25 | | |

**Operational and Under Construction offshore wind farms have been photomontaged in this view.**

**Figure: 12.17f**

**Viewpoint 17: Portsoy**

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