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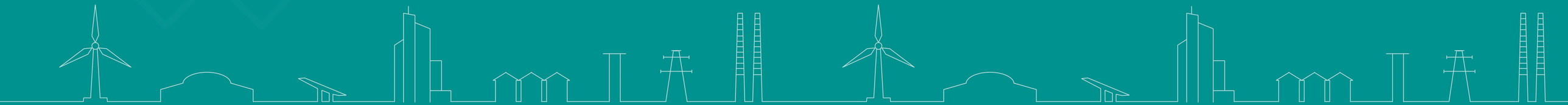
LVIA PHOTOMONTAGES

Muingmore Wind Farm
Book 2: VP15 - VP29

This book contains imagery for the viewpoints chosen for the LVIA study

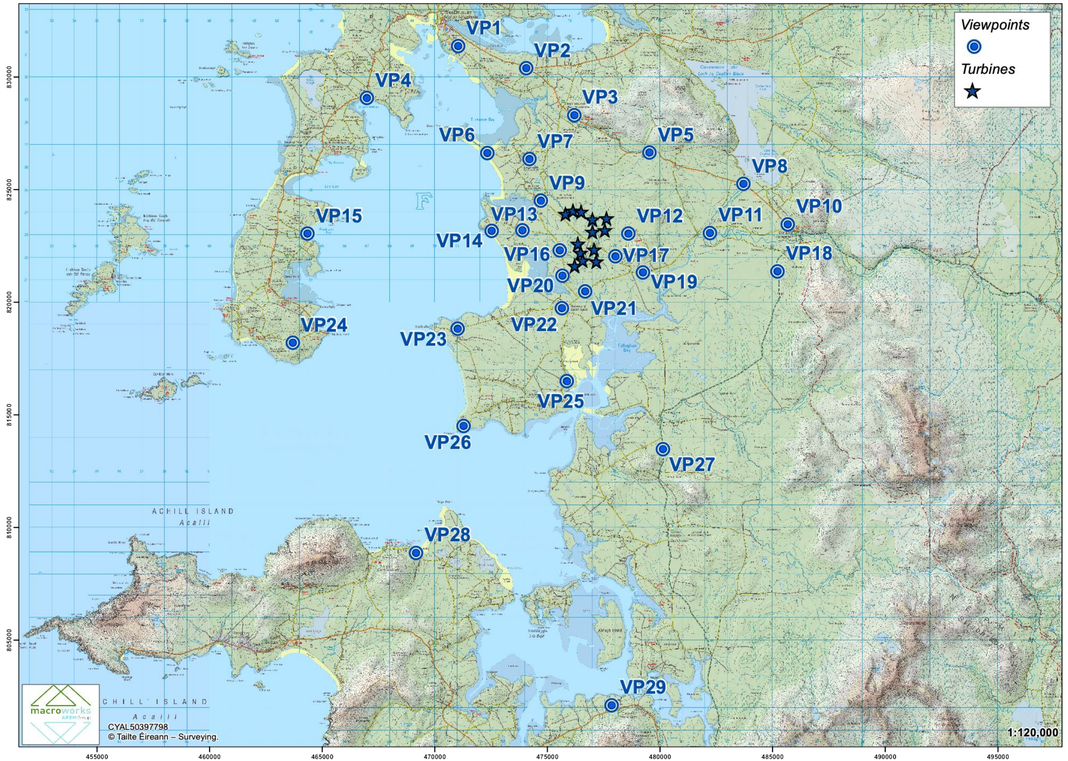
March 2026



LVIA I TVIA I Landscape Design I Visibility Analysis I Glint and Glare I Verified Photomontages I CGI I Shadow Flicker Analysis

Index of Imagery

Viewpoint locations selected for the Muingmore Wind Farm project



How photomontages are presented for each viewpoint

Sheet 1: 90º Baseline panorama and matching wireline

What is Displayed

90º Baseline Panorama Photograph and matching Cumulative Wireline (Cylindrical Projection - to be viewed curved):

The top image depicts a 90º (included angle) Baseline panorama generated from captured photography.

The bottom image depicts a 90º (included angle) matching computer generated wireline. This image includes the proposed wind farm development and includes other cumulative wind farm developments (existing and/or permitted and/or proposed wind farm developments in the public domain).
Extent bars indicate the extent of the 53.5º Panoramic Photomontage/Wireline Views within the depicted 90º Baseline views.

Information relating to the viewpoint, proposed development and photography capture are included.
A small thumbnail map is included which indicates the location of the viewpoint and the direction and extent of the depicted view.
A coloured legend referencing turbines are also included to help distinguish the proposed turbines from the other cumulative turbines.

Rationale

As required by the SNH guidelines, the purpose of the baseline panorama and wireline is to provide wider landscape and visual context to help the viewer understand where development sits within the wider landscape. The wireline also illustrates cumulative effects and provides the viewer with the full cumulative context. The baseline panorama is not intended to represent how large or small the turbines will appear in reality or how close they will appear to the viewer.

Sheet 2: Contextual Panoramic Photomontage View (90º, 180º, 270˚, 360˚)

Contextual Panoramic Photomontage View and matching Cumulative Wireline (ranging from 120º to 180º) (Cylindrical Projection - to be viewed curved):

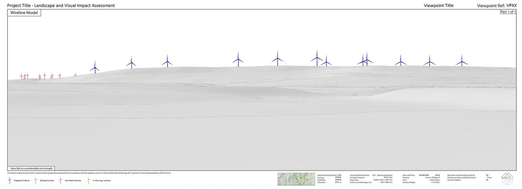
The top image demonstrates a contextual panoramic photomontage view (ranging from 120º to 180º included angle) which is generated from captured photography. It includes the proposed wind farm development and includes only other existing cumulative wind farm developments.
The bottom image depicts a matching contextual panoramic computer generated wireline. This image includes the proposed wind farm development and includes other cumulative wind farm developments (existing and/or permitted and/or proposed wind farm developments in the public domain).

Extent bars indicate the extent of the 53.5º Panoramic Photomontage/Wireline Views within the depicted Contextual Panoramic Photomontage/Wireline View.

Information relating to the viewpoint, proposed development and photography capture are included.
A small thumbnail map is included which indicates the location of the viewpoint and the direction and extent of the depicted view.

An additional page not required by the guidelines, this contextual photomontage/wireline view is included to give a broader context to the viewer. They are presented in a non-standard, full project extent format to aid legibility. **Please refer to the 53.5˚ planar projection photomontages and associated wirelines for correct representation of scale.**

Sheet 3: 53.5º Wireline View



53.5º Wireline View (Planar Projection - to be viewed flat)

This image shows a 53.5º (included angle) Wireline View which matches the 53.5º Panoramic Photomontage View. It includes the proposed wind farm development and includes other cumulative wind farm developments (existing and/or permitted and/or proposed wind farm developments in the public domain).
Wirelines are computer-generated images which depict the 'bare ground' terrain along with the proposed wind farm development and other cumulative wind farms developments within the depicted view. They are generated in GIS (Geographic Information System) mapping software based from a DTM (Digital Terrain Model).

Information relating to the viewpoint, proposed development and photography capture are included.
A small thumbnail map is included which indicates the location of the viewpoint and the direction and extent of the depicted view.
A coloured legend referencing turbines are also included to help distinguish the proposed turbines from the other cumulative turbines.

As required by the SNH guidelines, the A1 wireline is intended to provide the best impression of the apparent size of the turbines and the distance to the development from the viewpoint location.
It illustrates the 'bare ground' visibility and a provide a clear view of the wind farm to inform the assessment. **Only images at this scale, held at a comfortable arms length, should be used when trying to understand the size of the development and its distance from the viewpoint.**

Sheet 4: 53.5º Panoramic Photomontage View

53.5º Panoramic Photomontage View (Planar Projection - to be viewed flat):

This image demonstrates a 53.5º (included angle) photomontage generated from captured photography.
It includes the proposed wind farm development and includes only other existing cumulative wind farm developments.

Information relating to the viewpoint, proposed development and photography capture are included.
A small thumbnail map is included which indicates the location of the viewpoint and the direction and extent of the depicted view.

As required by the SNH guidelines, the A1 panorama is intended to provide the best impression of the apparent size of the turbines and the distance to the development from the viewpoint location. **Only images at this scale, held at a comfortable arms length, should be used when trying to understand the size of the development and its distance from the viewpoint.**

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APEM Group

Muingmore Wind Farm - Landscape and Visual Impact Assessment

Mullaghroe Beach

Viewpoint Ref: VP15

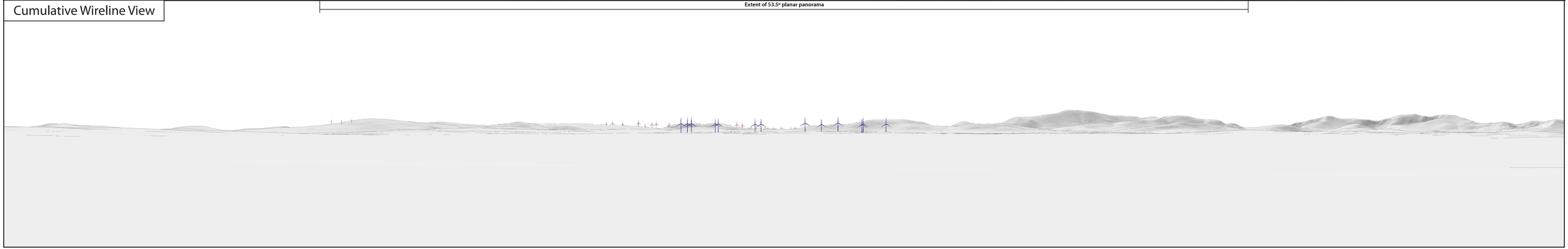
Baseline Photograph

This image provides landscape and visual context only

Part 1 of 1

Cumulative Wireline View

Extent of 53.5º planar panorama



This cylindrical projection panorama has been captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.

Proposed Turbines Existing Turbines Permitted Turbines

National Grid Cordinate (ITM)	
Easting:	464351
Northing:	823054
Elevation:	2.2 m

Horizontal Field of View: 90 ° (cylindrical projection)	
Principal Distance:	522 mm
Turbine Tip Height:	180m
Turbine Hub Height:	105m
Turbine Rotor Diameter:	150m

Date and Time:	2023/06/21 18:47
Camera:	Canon 5D Mark II
Lens:	Fixed 50mm
Camera Height:	1.7m (AGL)

Direction (clockwise from Grid N):	91 °
Distance to Nearest Visible Turbine:	11.5 km
Nearest Turbine:	T1

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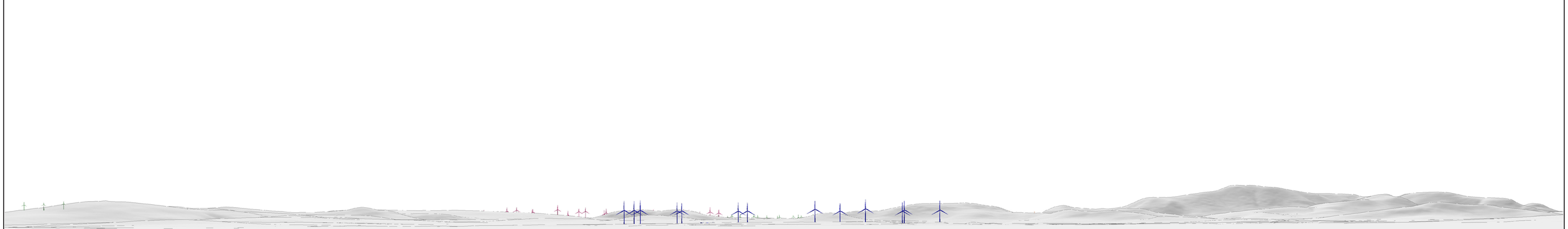
Mullaghroe Beach

Viewpoint Ref: VP15

Wireline Model

Part 1 of 1



View flat at a comfortable arm's length

This planar projection panoramic model has been prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.

Proposed Turbines

Existing Turbines

Permitted Turbines

National Grid Cordinate (ITM)	
Easting:	464351
Northing:	823054
Elevation:	2.2 m

Horizontal Field of View:	53.5 ° (planar projection)
Principal Distance:	812.5 mm
Paper size:	(half A1) 841 x 297 mm
Correct printed image size:	820 x 260 mm

Date and Time:	2023/06/21 18:47
Camera:	Canon 5D Mark II
Lens:	Fixed 50mm
Camera Height:	1.7m (AGL)

Direction (clockwise from Grid N):	91 °
Distance to Nearest Visible Turbine:	11.5 km
Nearest Turbine:	T1

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Mullaghroe Beach

Viewpoint Ref: VP15

Photomontage

Part 1 of 1

View flat at a comfortable arm's length

This planar projection panorama has been captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.

National Grid Cordinate (ITM)	
Easting:	464351
Northing:	823054
Elevation:	2.2 m

Horizontal Field of View:	53.5 ° (planar projection)
Principal Distance:	812.5 mm
Paper size:	(half A1) 841 x 297 mm
Correct printed image size:	820 x 260 mm

Date and Time:	2023/06/21 18:47
Camera:	Canon 5D Mark II
Lens:	Fixed 50mm
Camera Height:	1.7m (AGL)

Direction (clockwise from Grid N):	91 °
Distance to Nearest Visible Turbine:	11.5 km
Nearest Turbine:	T1

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L1205 at Doolough

Viewpoint Ref: VP16a

Baseline Photograph

This image provides landscape and visual context only

Part 1 of 2

Cumulative Wireline View

Extent of 53.5º planar panorama (A)

Extent of 53.5º planar panorama (B)

This cylindrical projection panorama has been captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.

Proposed Turbines

Existing Turbines

Permitted Turbines

National Grid Cordinate (ITM)	
Easting:	475560
Northing:	822328
Elevation:	22.1 m

Horizontal Field of View: 90 ° (cylindrical projection)	
Principal Distance:	522 mm
Turbine Tip Height:	180m
Turbine Hub Height:	105m
Turbine Rotor Diameter:	150m

Date and Time:	2023/06/21 17:05
Camera:	Canon 5D Mark II
Lens:	Fixed 50mm
Camera Height:	1.7m (AGL)

Direction (clockwise from Grid N):	39 °
Distance to Nearest Visible Turbine:	0.8 km
Nearest Turbine:	T8

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Baseline Photograph

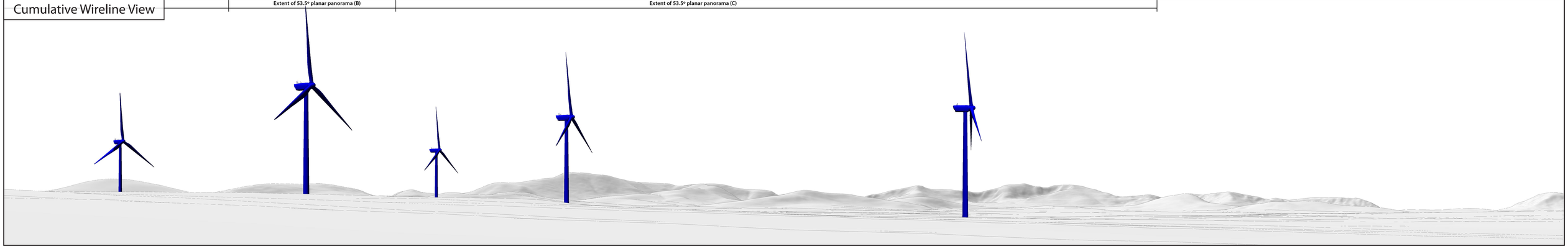
This image provides landscape and visual context only

Part 2 of 2

Cumulative Wireline View

Extent of 53.5º planar panorama (B)

Extent of 53.5º planar panorama (C)



This cylindrical projection panorama has been captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.

Proposed Turbines

Existing Turbines

Permitted Turbines

National Grid Cordinate (ITM)
Easting: 475560
Northing: 822328
Elevation: 22.1 m

Horizontal Field of View: 90 ° (cylindrical projection)
Principal Distance: 522 mm
Turbine Tip Height: 180m
Turbine Hub Height: 105m
Turbine Rotor Diameter: 150m

Date and Time: 2023/06/21 17:05
Camera: Canon 5D Mark II
Lens: Fixed 50mm
Camera Height: 1.7m (AGL)

Direction (clockwise from Grid N): 129 °
Distance to Nearest Visible Turbine: 0.8 km
Nearest Turbine: T8

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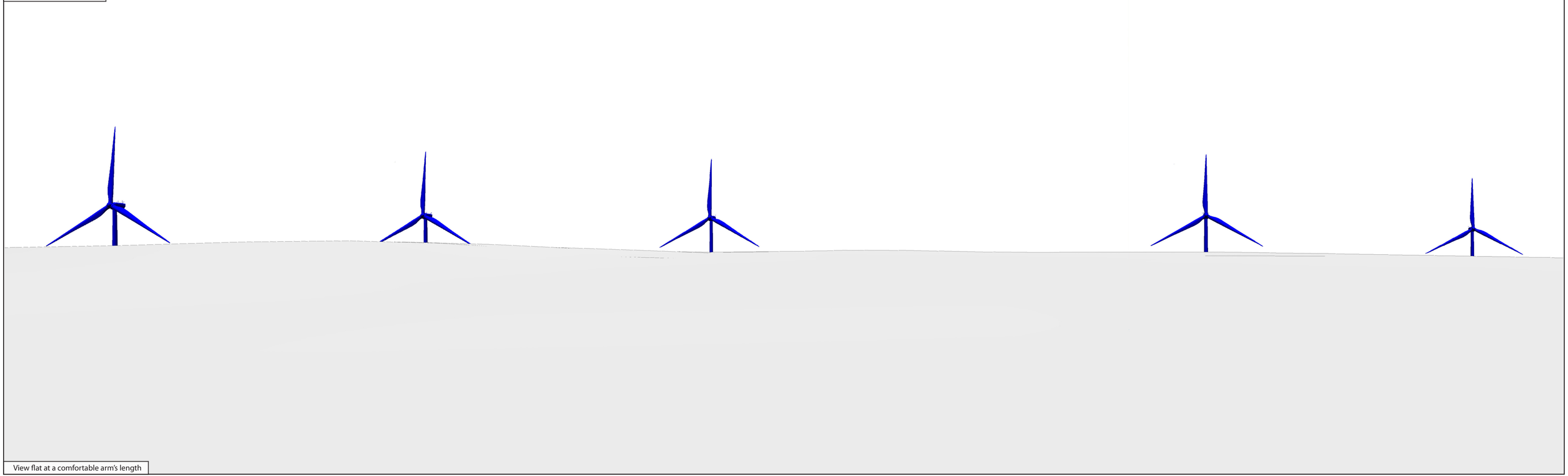
Wireline Model

Part 1 of 3



View flat at a comfortable arm's length

This planar projection panoramic model has been prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.

Proposed Turbines Existing Turbines Permitted Turbines

National Grid Cordinate (ITM)	
Easting:	475560
Northing:	822328
Elevation:	22.1 m

Horizontal Field of View:	53.5 ° (planar projection)
Principal Distance:	812.5 mm
Paper size:	(half A1) 841 x 297 mm
Correct printed image size:	820 x 260 mm

Date and Time:	2023/06/21 17:05
Camera:	Canon 5D Mark II
Lens:	Fixed 50mm
Camera Height:	1.7m (AGL)

Direction (clockwise from Grid N):	32 °
Distance to Nearest Visible Turbine:	0.8 km
Nearest Turbine:	T8

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L1205 at Doolough

Viewpoint Ref: VP16a

Photomontage

Part 1 of 3

View flat at a comfortable arm's length

This planar projection panorama has been captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.

National Grid Cordinate (ITM)	
Easting:	475560
Northing:	822328
Elevation:	22.1 m

Horizontal Field of View:	53.5 ° (planar projection)
Principal Distance:	812.5 mm
Paper size:	(half A1) 841 x 297 mm
Correct printed image size:	820 x 260 mm

Date and Time:	2023/06/21 17:05
Camera:	Canon 5D Mark II
Lens:	Fixed 50mm
Camera Height:	1.7m (AGL)

Direction (clockwise from Grid N):	32 °
Distance to Nearest Visible Turbine:	0.8 km
Nearest Turbine:	T8

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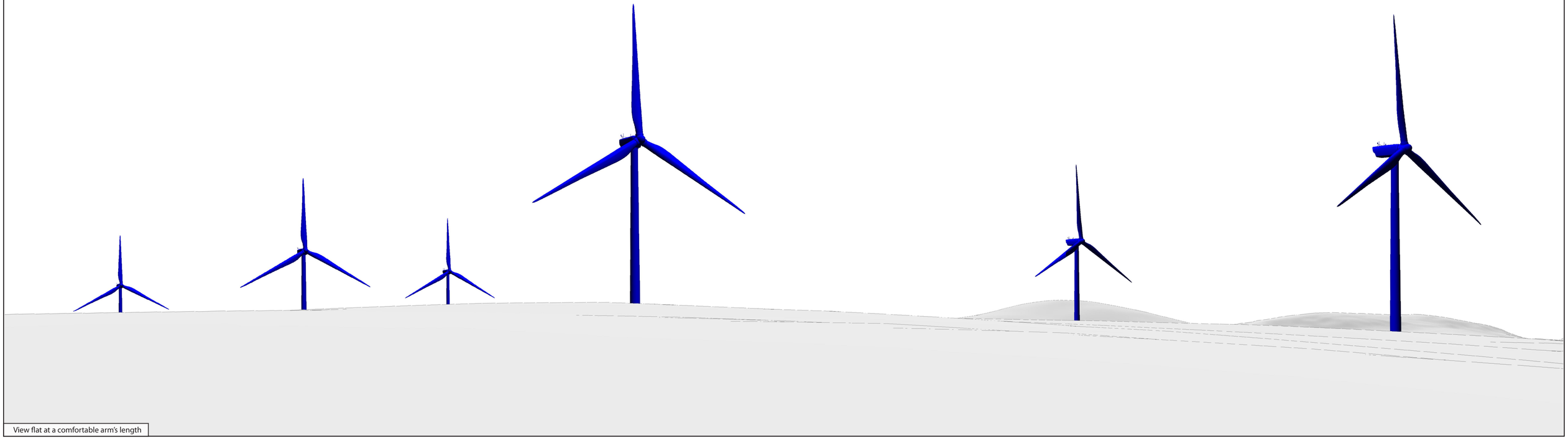
Wireline Model

Part 2 of 3



View flat at a comfortable arm's length

This planar projection panoramic model has been prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.

Proposed Turbines Existing Turbines Permitted Turbines

National Grid Cordinate (ITM)	
Easting:	475560
Northing:	822328
Elevation:	22.1 m

Horizontal Field of View:	53.5 ° (planar projection)
Principal Distance:	812.5 mm
Paper size:	(half A1) 841 x 297 mm
Correct printed image size:	820 x 260 mm

Date and Time:	2023/06/21 17:05
Camera:	Canon 5D Mark II
Lens:	Fixed 50mm
Camera Height:	1.7m (AGL)

Direction (clockwise from Grid N):	79 °
Distance to Nearest Visible Turbine:	0.8 km
Nearest Turbine:	T8

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