



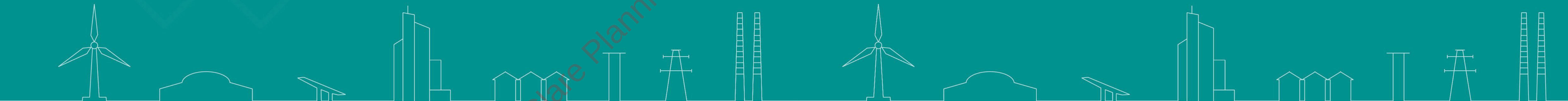
macroworks

# LVIA PHOTOMONTAGES

Moanmore Wind Farm

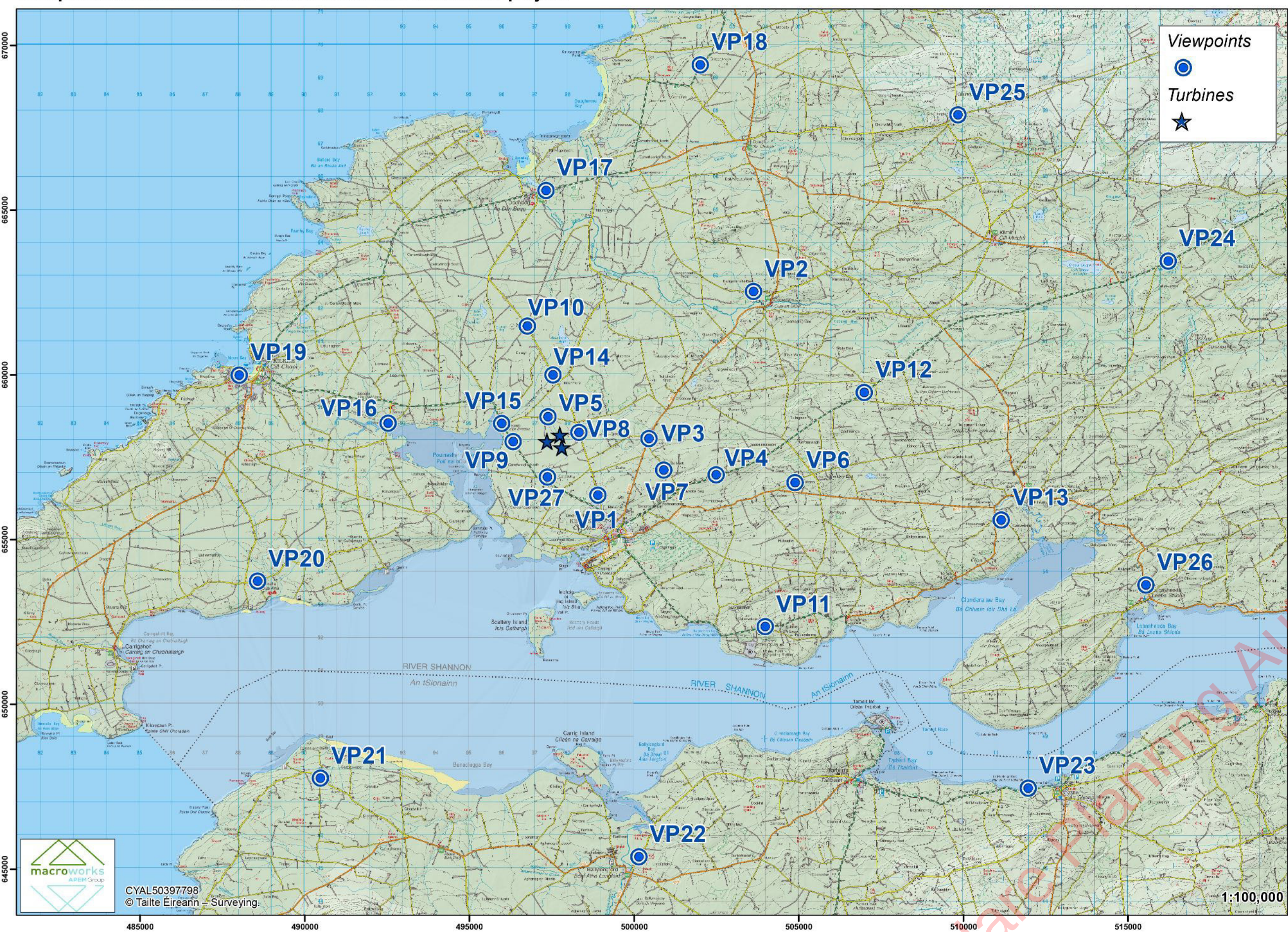
This book contains imagery for the viewpoints chosen for the LVIA study

October 2024



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

Viewpoint locations selected for the Moanmore Wind Farm project



**VP1: Residences on northern outskirts of Kilrush**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP2: Residences by Corraclare village**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP3: R483 east of site**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP4: Local residences at Moyadda along N68**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP5: Local residence to north of site**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP6: Local road near Knockerra Lower**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP7: Local residence to southeast of site**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP8: Local residents northeast of site**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP9: Wild Atlantic Way along N67 at Moyasta**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP10: Tullaher Loop Walk along local roads**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP11: Wild Atlantic Way along N67 at K Ilimer**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP12: Residences on N68**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP13: Local road near Carabane**  
Page 1: Baseline (Contextual Wireline and Photo)  
\*Please Note: The proposed wind farm is not visible from this viewpoint as it is completely screened by existing vegetation and/or terrain

**VP14: Dismantled South Clare Rail line near Moanmore**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP15: Dismantled South Clare Rail line near Moynasta**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP16: Wild Atlantic Way near Poulmasherry Bay**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP17: Doonbeg village**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP18: Residences along N67 and Wild Atlantic Way**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP19: Wild Atlantic Way at Kilkee Bay**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP20: Designated Co. Clare scenic view and Wild Atlantic Way at Doonaha**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP21: Co. Kerry designated scenic route and Wild Atlantic Way**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP22: Ballylongford & Shannon Way**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

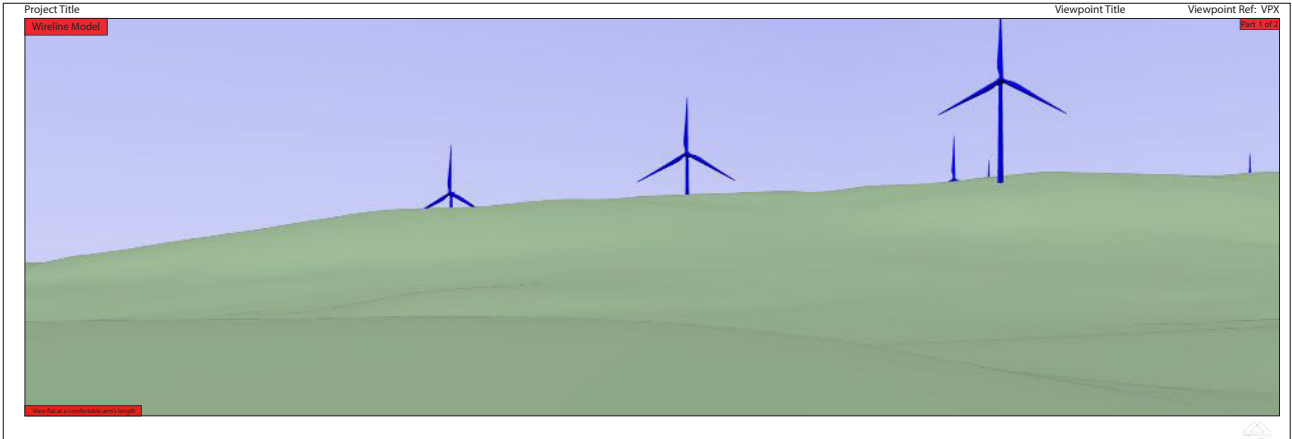
**VP23: Wild Atlantic Way & Glin Heritage Trail**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP24: N68 in east of study area**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP25: Local road near Knockaneden**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

**VP26: Designated Co. Clare scenic view near Labsheeda**  
Page 1: Baseline (Contextual Wireline and Photo)  
\*Please Note: The proposed wind farm is not visible from this viewpoint as it is completely screened by existing vegetation and/or terrain

**VP27: Residences on local road at Carnaun**  
Page 1: Baseline (Contextual Wireline and Photo)  
Page 2: Wireline  
Page 3: Photomontage

|                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>How photomontages are presented for each viewpoint</p> <p>Sheet 1: 90° Baseline panorama and matching wireline</p>  | <p><b>What is Displayed</b></p> <p>90° Baseline Panorama Photograph and matching Cumulative Wireline (Cylindrical Projection - to be viewed curved):</p> <p>The top image depicts a 90° (included angle) Baseline panorama generated from captured photography.</p> <p>The bottom image depicts a 90° (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 wind farm developments in the public domain and projects in the planning system pending a decision from a planning authority). Extent bars indicate the extent of the 53.5° Panoramic Photomontage/Wireline Views within the depicted 90° Baseline views.</p> <p>Information relating to the viewpoint, proposed development and photography capture are included.<br/>A small thumbnail map is included which indicates the location of the viewpoint and the direction and extent of the depicted view.<br/>A coloured legend referencing turbines are also included to help distinguish the proposed turbines from the other cumulative turbines.</p>             | <p><b>Rationale</b></p> <p>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.</p> |
| <p>Sheet 2 (provided where necessary): Contextual Panoramic Photomontage View (120° - 180°)</p>                       | <p>Contextual Panoramic Photomontage View (ranging from 120° to 180°) (Cylindrical Projection - to be viewed curved):</p> <p>The image demonstrates a contextual panoramic photomontage view (ranging from 120° to 180° included angle) which is generated from captured photography. It includes the proposed wind farm development and includes only other existing cumulative wind farm developments. Extent bars indicate the extent of both the 53.5° Panoramic Photomontage/Wireline Views and the 90° Baseline Views within the depicted Contextual Panoramic Photomontage View.</p> <p>Information relating to the viewpoint, proposed development and photography capture are included.<br/>A small thumbnail map is included which indicates the location of the viewpoint and the direction and extent of the depicted view.</p>                                                                                                                                                                                                                                                                                                                              | <p>An additional page not required by the guidelines, this contextual photomontage view is included to give a broader context to the viewer. It is generally included where there are multiple 90° and 53.5° views, which are required by the guidelines for a particular viewpoint.</p>                                                                                                                                                                                                                                |
| <p>Sheet 3: 53.5° Wireline View</p>                                                                                  | <p>53.5° Wireline View (Planar Projection - to be viewed flat)</p> <p>This image shows a 53.5° (included angle) Wireline View which matches the 53.5° Panoramic Photomontage View. It includes the proposed wind farm development and includes other cumulative wind farm developments (existing and/or permitted wind farm developments in the public domain and projects in the planning system pending a decision from a planning authority). 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).</p> <p>Information relating to the viewpoint, proposed development and photography capture are included.<br/>A small thumbnail map is included which indicates the location of the viewpoint and the direction and extent of the depicted view.<br/>A coloured legend referencing turbines are also included to help distinguish the proposed turbines from the other cumulative turbines.</p> | <p>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. <b>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.</b></p>             |
| <p>Sheet 4: 53.5° Panoramic Photomontage View</p>                                                                   | <p>53.5° Panoramic Photomontage View (Planar Projection - to be viewed flat):</p> <p>This image demonstrates a 53.5° (included angle) photomontage generated from captured photography. It includes the proposed wind farm development and includes only other existing cumulative wind farm developments.</p> <p>Information relating to the viewpoint, proposed development and photography capture are included.<br/>A small thumbnail map is included which indicates the location of the viewpoint and the direction and extent of the depicted view.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <p>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. <b>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.</b></p>                                                                                                                               |

Baseline Photograph

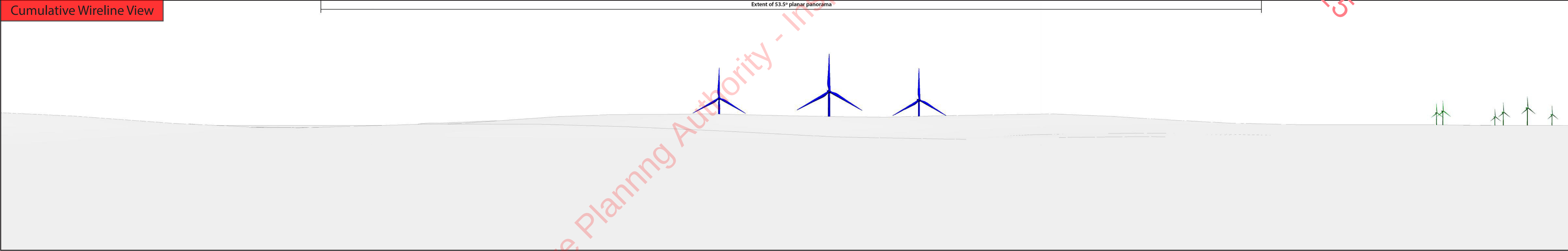
This image provides landscape and visual context only

Part 1 of 1



Cumulative Wireline View

Extent of 53.5° 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'.



National Grid Coordinate (ITM)  
Easting: 498902  
Northing: 656357  
Elevation: 41 m

Horizontal Field of View: 90 ° (cylindrical projection)  
Principal Distance: 522 mm  
Turbine Tip Height: 150m  
Turbine Hub Height: 82m  
Turbine Rotor Diameter: 136m

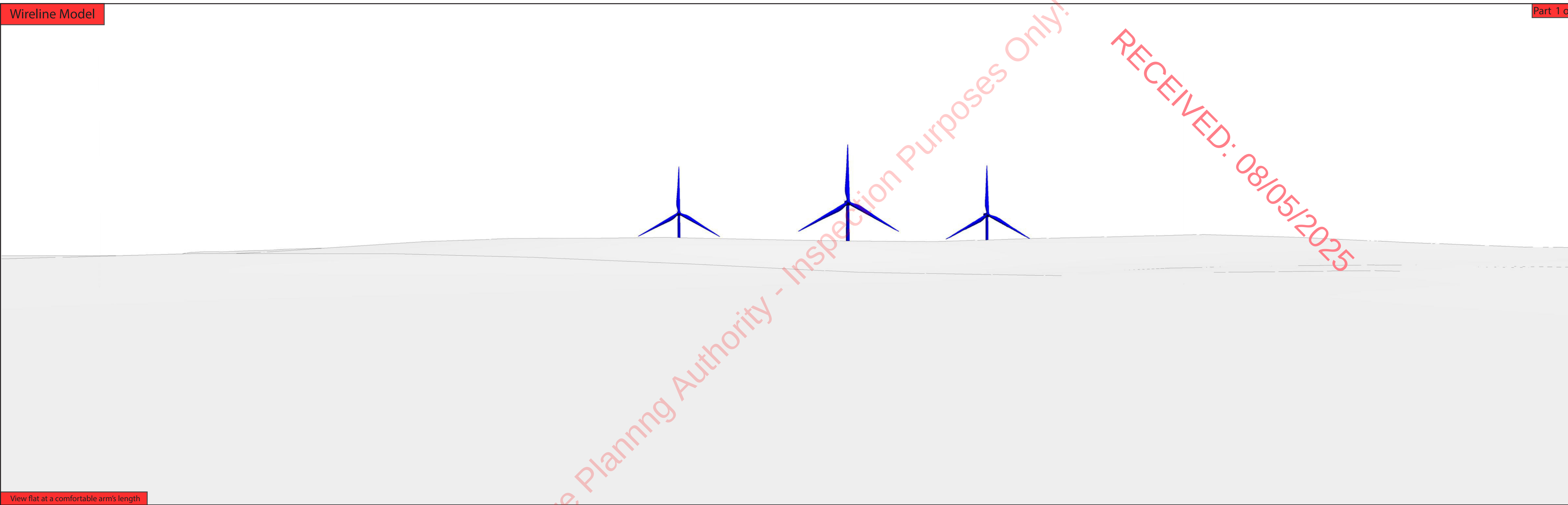
Date and Time: 14/10/2022 12:11  
Camera: Canon 5D Mark II  
Lens: Fixed 50mm  
Camera Height: 1.7m (AGL)

Direction (clockwise from Grid N): 320 °  
Distance to Nearest Visible Turbine: 1.8 km  
Nearest Turbine: T3



Wireline Model

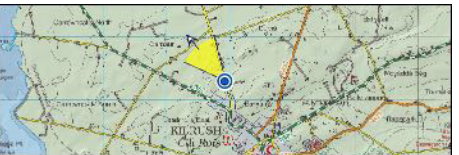
Part 1 of 1



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
-  In Planning Turbines



National Grid Cordinate (ITM)  
Easting: 498902  
Northing: 656357  
Elevation: 41 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: 14/10/2022 12:11  
Camera: Canon 5D Mark II  
Lens: Fixed 50mm  
Camera Height: 1.7m (AGL)

Direction (clockwise from Grid N): 320 °  
Distance to Nearest Visible Turbine: 1.8 km  
Nearest Turbine: T3



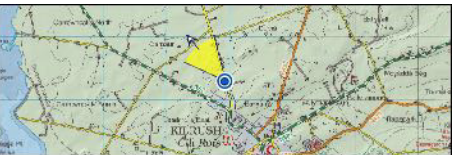
Photomontage

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: 498902  
Northing: 656357  
Elevation: 41 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: 14/10/2022 12:11  
Camera: Canon 5D Mark II  
Lens: Fixed 50mm  
Camera Height: 1.7m (AGL)

Direction (clockwise from Grid N): 320 °  
Distance to Nearest Visible Turbine: 1.8 km  
Nearest Turbine: T3



Baseline Photograph

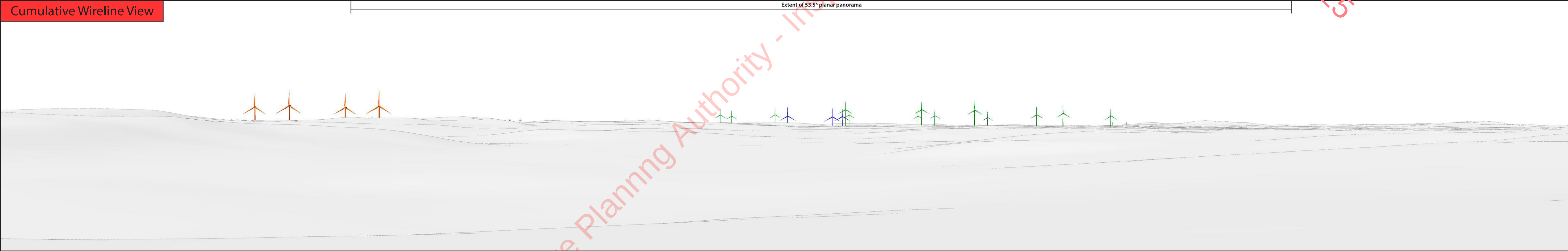
This image provides landscape and visual context only

Part 1 of 1



Cumulative Wireline View

Extent of 53.5° 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'.



National Grid Coordinate (ITM)  
Easting: 503632  
Northing: 662531  
Elevation: 33.1 m

Horizontal Field of View: 90 ° (cylindrical projection)  
Principal Distance: 522 mm  
Turbine Tip Height: 150m  
Turbine Hub Height: 82m  
Turbine Rotor Diameter: 136m

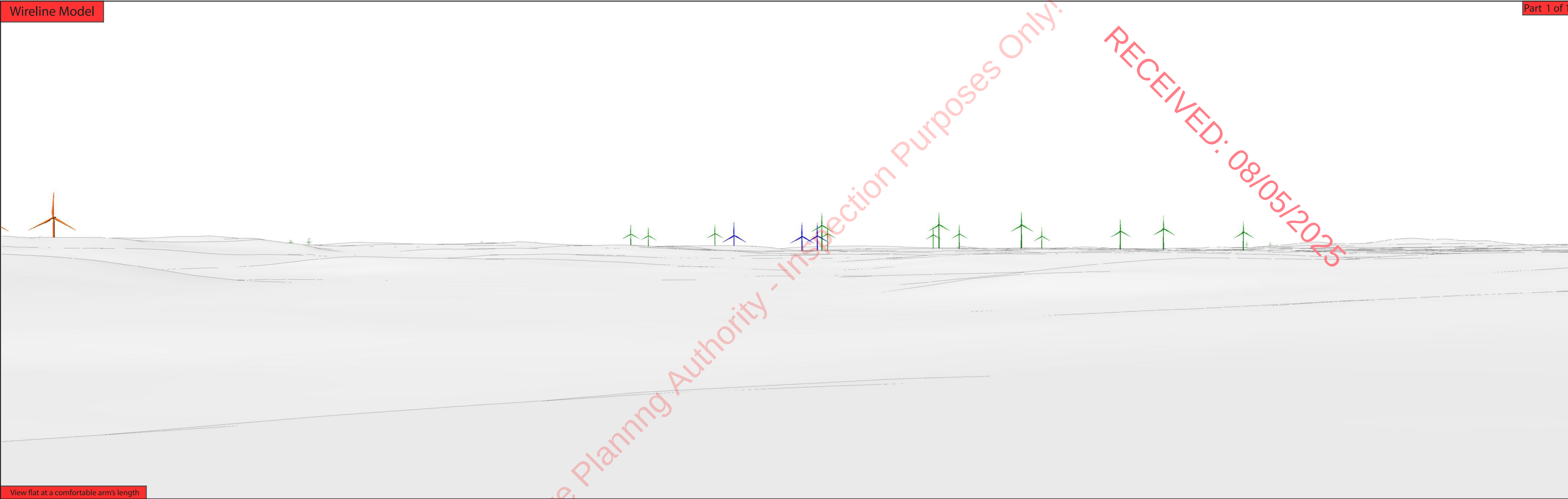
Date and Time: 13/10/2022 11:23  
Camera: Canon 5D Mark II  
Lens: Fixed 50mm  
Camera Height: 1.7m (AGL)

Direction (clockwise from Grid N): 231 °  
Distance to Nearest Visible Turbine: 7.3 km  
Nearest Turbine: T1



Wireline Model

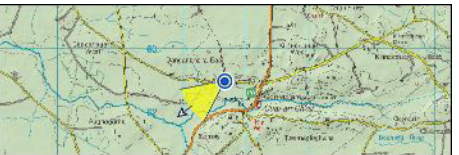
Part 1 of 1



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
- In Planning Turbines



National Grid Cordinate (ITM)  
Easting: 503632  
Northing: 662531  
Elevation: 33.1 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: 13/10/2022 11:23  
Camera: Canon 5D Mark II  
Lens: Fixed 50mm  
Camera Height: 1.7m (AGL)

Direction (clockwise from Grid N): 233 °  
Distance to Nearest Visible Turbine: 7.3 km  
Nearest Turbine: T1



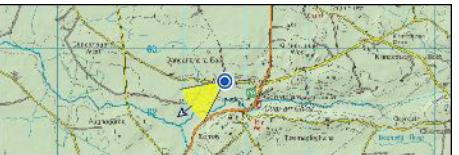
Photomontage

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 Coordinate (ITM)  
Easting: 503632  
Northing: 662531  
Elevation: 33.1 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: 13/10/2022 11:23  
Camera: Canon 5D Mark II  
Lens: Fixed 50mm  
Camera Height: 1.7m (AGL)

Direction (clockwise from Grid N):  
Distance to Nearest Visible Turbine:  
Nearest Turbine:

233 °  
7.3 km  
T1



Baseline Photograph

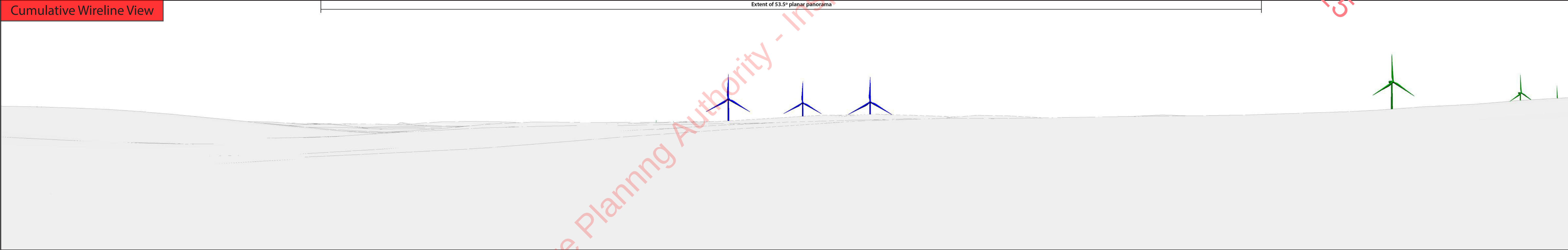
This image provides landscape and visual context only

Part 1 of 1

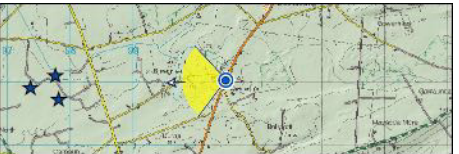


Cumulative Wireline View

Extent of 53.5° 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'.



National Grid Cordinate (ITM)  
Easting: 500447  
Northing: 658074  
Elevation: 32.7 m

Horizontal Field of View: 90 ° (cylindrical projection)  
Principal Distance: 522 mm  
Turbine Tip Height: 150m  
Turbine Hub Height: 82m  
Turbine Rotor Diameter: 136m

Date and Time: 14/10/2022 08:33  
Camera: Canon 5D Mark II  
Lens: Fixed 50mm  
Camera Height: 1.7m (AGL)

Direction (clockwise from Grid N):  
Distance to Nearest Visible Turbine:  
Nearest Turbine:

267 °  
2.7 km  
T3

