# Coumnagappul Wind Farm

Appendix 16.3: LVIA Photomontages

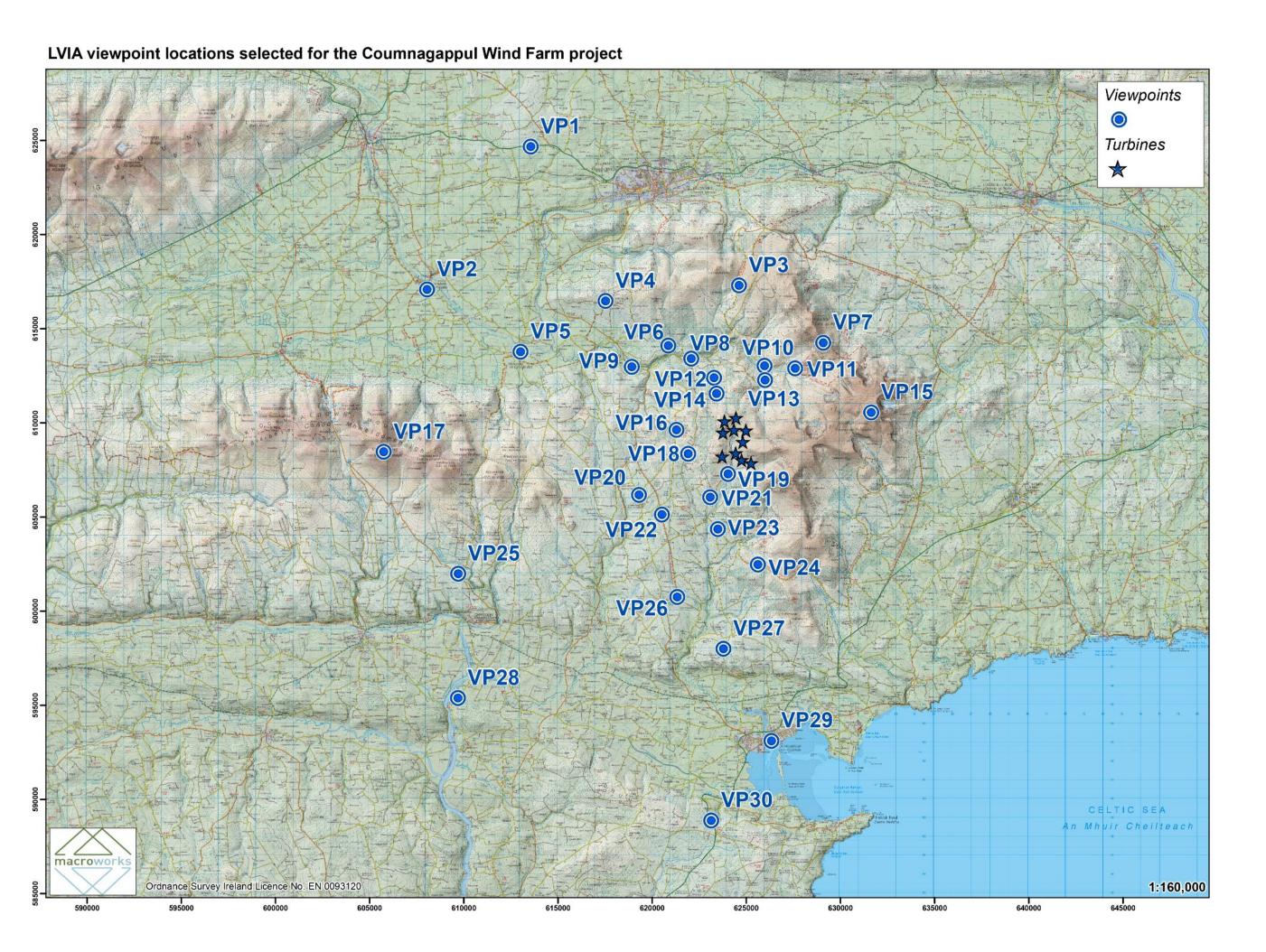
Book 1: VP1 - VP16

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

September 2023



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Page 1: Baseline (Contextual Wireline and Photo)

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# VP16: Local road at Tooraneena north of Bryan's Cross Roads

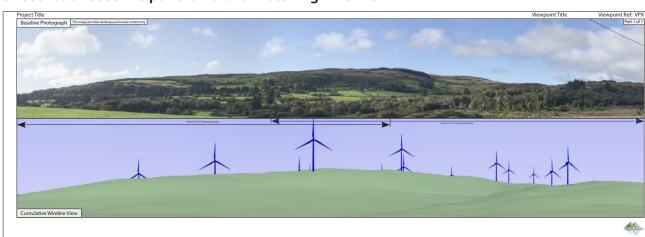
Page 1: Baseline (Contextual Wireline and Photo)

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How photomontages are presented for each viewpoint

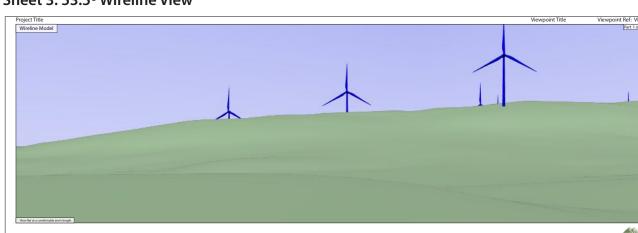
### Sheet 1: 90° Baseline panorama and matching wireline



Sheet 2 (provided where necessary): Contextual Panoramic Photomontage View (120° - 180°)



Sheet 3: 53.5° Wireline View



Sheet 4: 53.5° Panoramic Photomontage View



# What is Displayed

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

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

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 and/or proposed wind farm developments in the public domain).

Extent bars indicate the extent of the 53.5° Panoramic Photomontage/Wireline Views within the depicted 90° 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.

Contextual Panoramic Photomontage View (ranging from 120° to 180°) (Cylindrical Projection - to be viewed curved):

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.

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.

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

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 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.

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

This image demonstrates a 53.5° (included angle) photomontage generated from captured photography. It includes the proposed 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.

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.

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

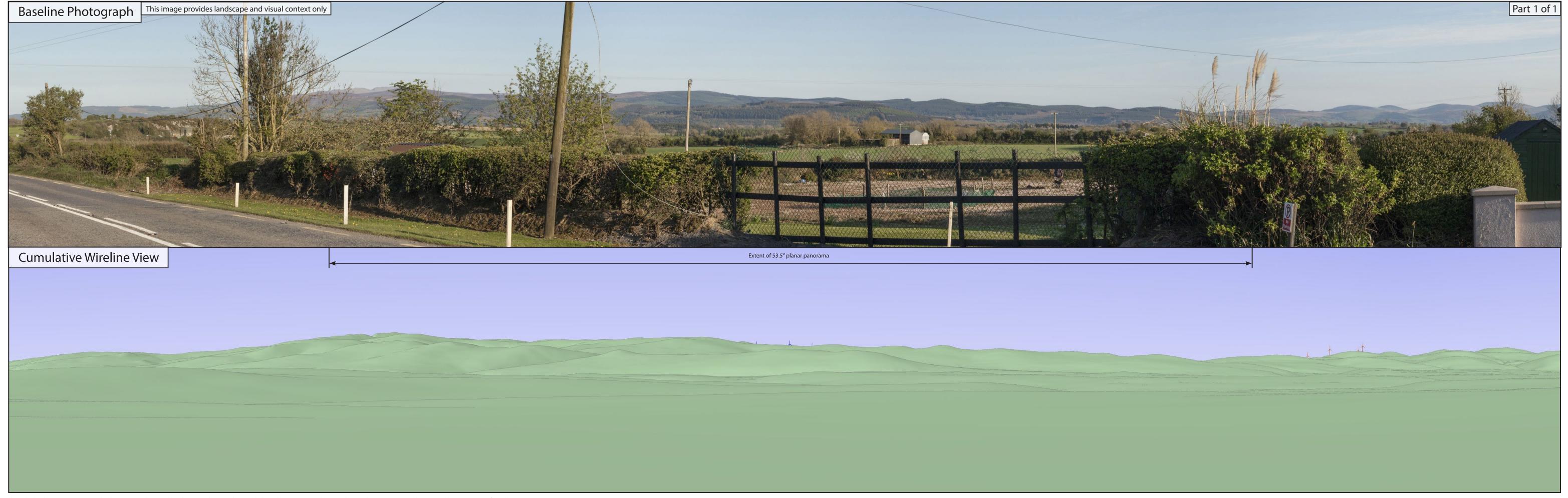
context. The baseline panorama is not intended to represent how large or small the turbines will appear in reality or how close they will appear to the viewer.

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.

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.







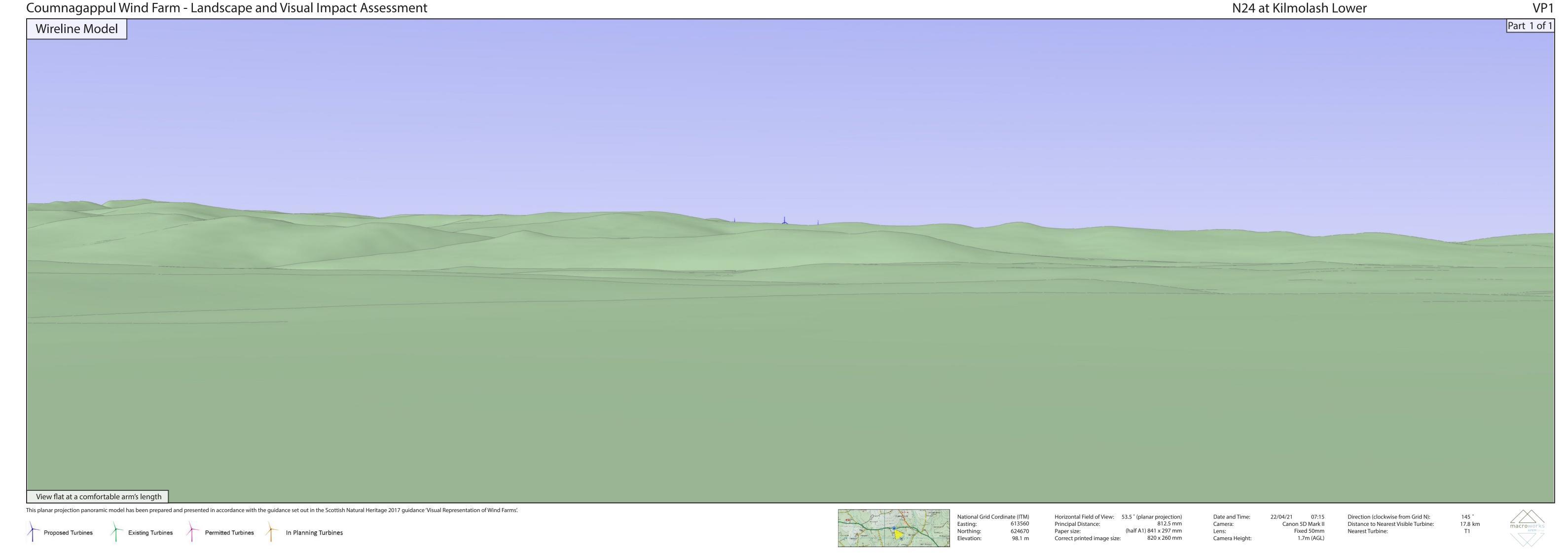


Canon 5D Mark II Fixed 50mm 1.7m (AGL)

Distance to Nearest Visible Turbine: Nearest Turbine:



VP1



Coumnagappul Wind Farm - Landscape and Visual Impact Assessment N24 at Kilmolash Lower VP1







Canon 5D Mark II Fixed 50mm 1.7m (AGL)

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







Canon 5D Mark II Fixed 50mm 1.7m (AGL)

Distance to Nearest Visible Turbine: Nearest Turbine:



Proposed Turbines Existing Turbines Permitted Turbines In Planning Turbines



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

116 ° 17.3 km T1 Coumnagappul Wind Farm - Landscape and Visual Impact Assessment Local road at Gortnalower, south of Ardfinnian



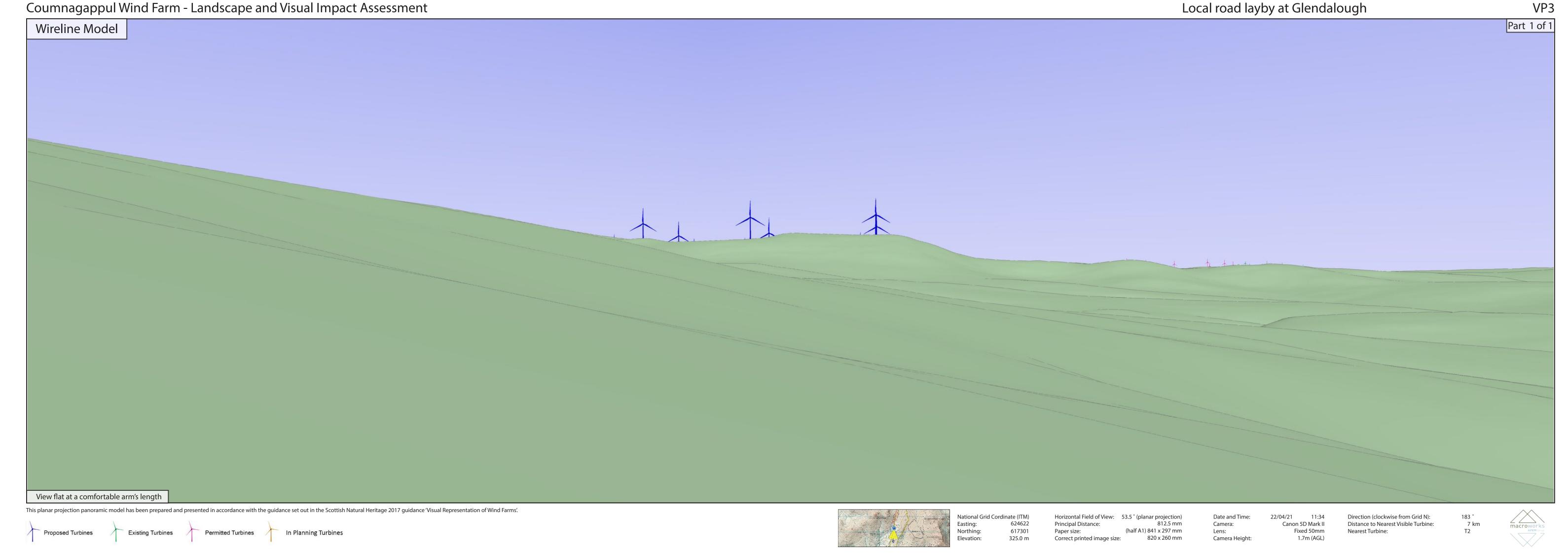
This planar projection panorama has been captured, prepared and presented in accordance with the guidance set out in the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'.



/04/21 17:50 Canon 5D Mark II 1.7m (AGL)

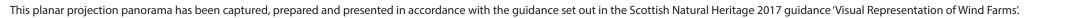
Direction (clockwise from Grid N): Distance to Nearest Visible Turbine: Nearest Turbine: Fixed 50mm





Coumnagappul Wind Farm - Landscape and Visual Impact Assessment Local road layby at Glendalough VP3







1.7m (AGL)

Distance to Nearest Visible Turbine: Nearest Turbine: Fixed 50mm



Fixed 50mm 1.7m (AGL)

Nearest Turbine:

1.7m (AGL)

Coumnagappul Wind Farm - Landscape and Visual Impact Assessment Local road at Sillaheens







Fixed 50mm 1.7m (AGL)

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







Fixed 50mm

Distance to Nearest Visible Turbine: Nearest Turbine:



VP5



View flat at a comfortable arm's length



National Grid Co
Easting:
Northing:

Horizontal Field of View: 53.5° (planar Principal Distance:
Paper size: (half A1) 841
Correct printed image size: 820

Date and Tir Camera: Lens: Camera Heio e: 22/04/21 18:17 Canon 5D Mark II Fixed 50mm t: 1.7m (AGL) Direction (clockwise from Grid N): Distance to Nearest Visible Turbine: Nearest Turbine:

109 ° 11.4 k



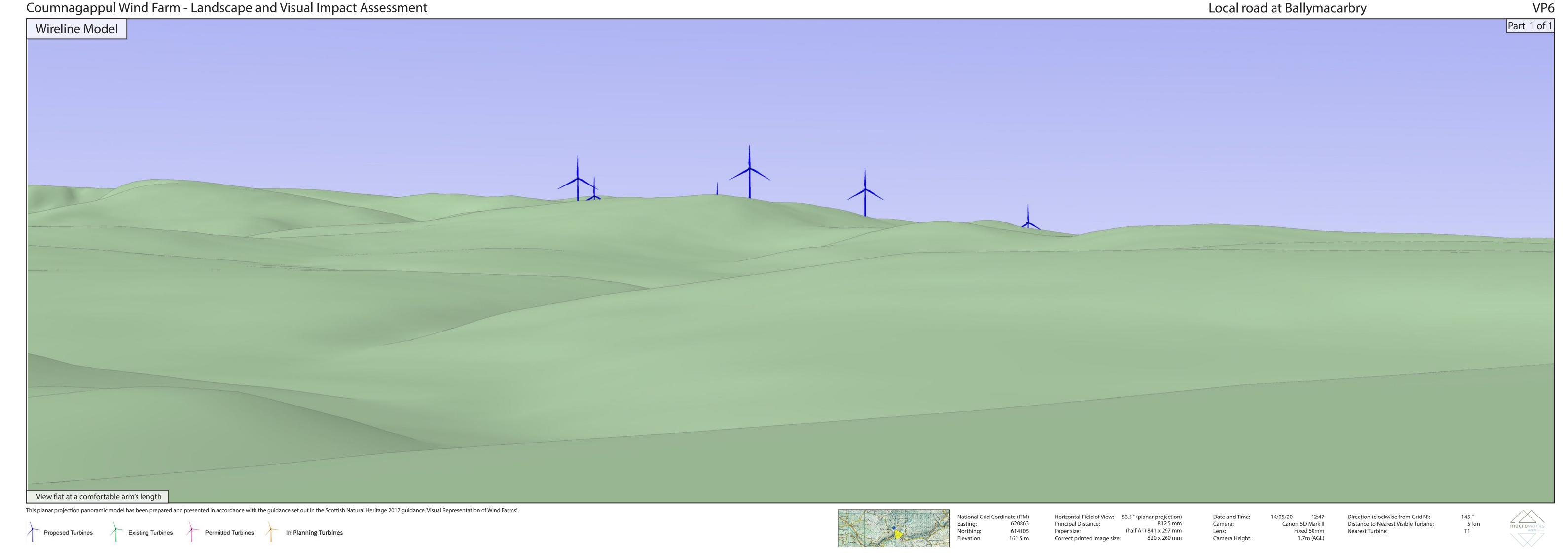






Coumnagappul Wind Farm - Landscape and Visual Impact Assessment Local road at Ballymacarbry Baseline Photograph

This image provides landscape and visual context only 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'. Distance to Nearest Visible Turbine: Canon 5D Mark II Fixed 50mm Nearest Turbine: 1.7m (AGL)



Coumnagappul Wind Farm - Landscape and Visual Impact Assessment Local road at Ballymacarbry







Canon 5D Mark II Fixed 50mm 1.7m (AGL)

Distance to Nearest Visible Turbine: Nearest Turbine:





National Grid Cordinat
Easting: 6
Northing: 6
Flevation: 6

Horizontal Field of View: 90 ° (cylindrical Principal Distance: 522
Turbine Tip Height: 1
Turbine Hub Height: 1
Turbine Rotor Diameter: 1

n) Date and Camera: Lens: Camera I 14/05/20 11:14 Canon 5D Mark II Fixed 50mm

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

6.1 km T2



Proposed Turkings Turkings Turkings Turkings Turkings Turkings Turkings Turkings



Easting:
Northing:
Elevation:

Principal Distance: 53.5 (planar p Principal Distance: 6 Paper size: (half A1) 841 : Correct printed image size: 820 : Date and Time:
Camera:
Lens:
Camera Height:

14/05/20 11:14 Canon 5D Mark II Fixed 50mm 1.7m (AGL)

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

Grid N): 22 Turbine: 6.



Coumnagappul Wind Farm - Landscape and Visual Impact Assessment









National Grid Co Easting: Northing: Flevation:

Horizontal Field of View: 90 ° (cylindrica Principal Distance: 522 Turbine Tip Height: Turbine Hub Height: Turbine Rotor Diameter: Date and Ti Camera: Lens: Camera Hei 14/05/20 12:33 Canon 5D Mark II Fixed 50mm 1.7m (AGL)

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

154 ° N/A km T1



Coumnagappul Wind Farm - Landscape and Visual Impact Assessment

R671 Ballymacarbry Main Street



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 (I Easting: 618 Northing: 612 Elevation: 56. Horizontal Field of View: 90° (cylindrical p Principal Distance: 522 r Turbine Tip Height: 18 Turbine Hub Height: 10 Date and Tir Camera: Lens: 22/04/21 18:50 Canon 5D Mark II Fixed 50mm 1.7m (AGL)

Direction (clockwise from Grid N): Distance to Nearest Visible Turbine: Nearest Turbine: 115 ° 5.7 km T1



National Grid Cord Easting: Northing: Horizontal Field of View: 53.5° (planar pr Principal Distance: 8 Paper size: (half A1) 841 x Date and Time: Camera: Lens:

e: 22/04/21 18:50 Canon 5D Mark II Fixed 50mm at: 1.7m (AGL)

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

115 ° 5.7 k T1



Coumnagappul Wind Farm - Landscape and Visual Impact Assessment R671 Ballymacarbry Main Street







Correct printed image size: 820 x 260 mm Camera Height:

Canon 5D Mark II Fixed 50mm Nearest Turbine:

1.7m (AGL)

Distance to Nearest Visible Turbine:





National Grid Cord Easting: Northing:

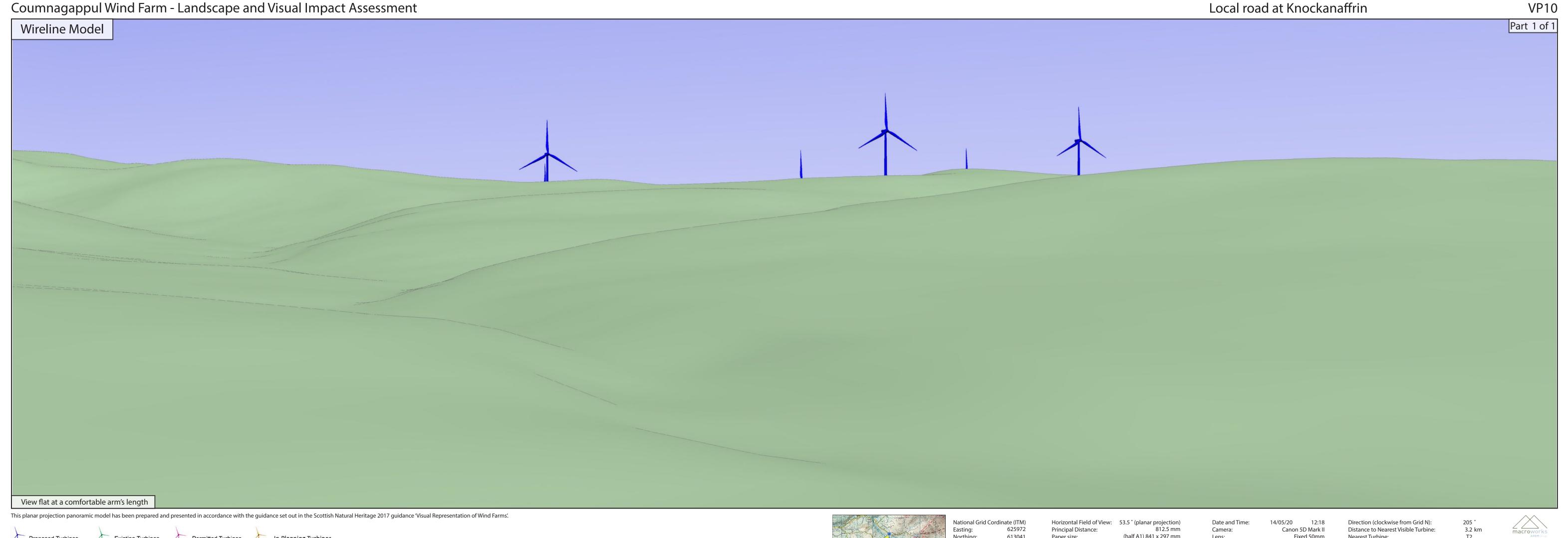
Principal Distance: 522
Turbine Tip Height: 1
Turbine Poter Diameter: 1

Date and Camera: Lens: Camera 14/05/20 12:18 Canon 5D Mark II Fixed 50mm

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

204 ° 3.2 k T2





Fixed 50mm Nearest Turbine: 1.7m (AGL)

Coumnagappul Wind Farm - Landscape and Visual Impact Assessment Local road at Knockanaffrin VP10







1.7m (AGL)

4/05/20 12:18 Canon 5D Mark II Fixed 50mm

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





Coumnagappul Wind Farm - Landscape and Visual Impact Assessment Nire Valley Trails Car Park VP11







Canon 5D Mark II Fixed 50mm 1.7m (AGL)

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







Principal Distance: Turbine Hub Height:

Canon 5D Mark II Fixed 50mm 1.7m (AGL)

Distance to Nearest Visible Turbine: Nearest Turbine:





Correct printed image size: 820 x 260 mm

Canon 5D Mark II Fixed 50mm 1.7m (AGL)

Distance to Nearest Visible Turbine: Nearest Turbine:



Coumnagappul Wind Farm - Landscape and Visual Impact Assessment Local road ay Knockaunbrandaun



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'.



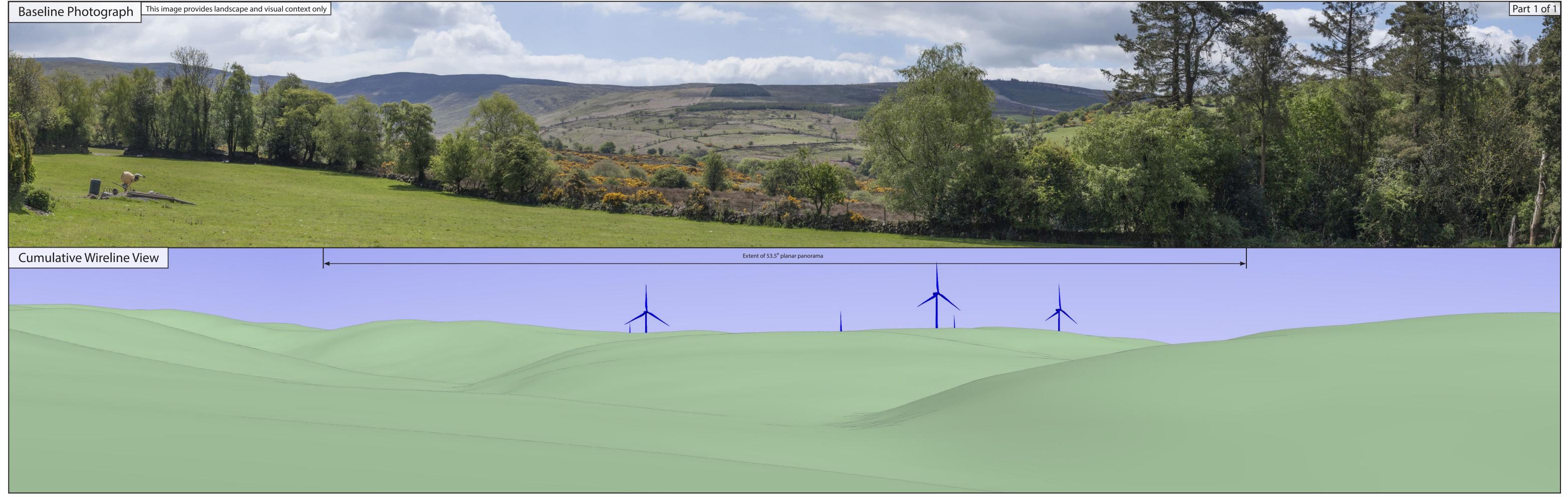
1.7m (AGL)

Canon 5D Mark II Fixed 50mm Nearest Turbine:

Distance to Nearest Visible Turbine:



VP12



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'.





Canon 5D Mark II Fixed 50mm 1.7m (AGL)

Distance to Nearest Visible Turbine: Nearest Turbine:



VP13

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'.



View flat at a comfortable arm's length

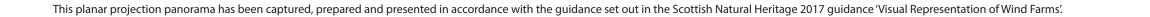


: 14/05/20 13:16 Canon 5D Mark II Fixed 50mm t: 1.7m (AGL) Direction (clockwise from Grid N): Distance to Nearest Visible Turbine: Nearest Turbine:

209 ° 2.5 k



Coumnagappul Wind Farm - Landscape and Visual Impact Assessment



Photomontage

View flat at a comfortable arm's length



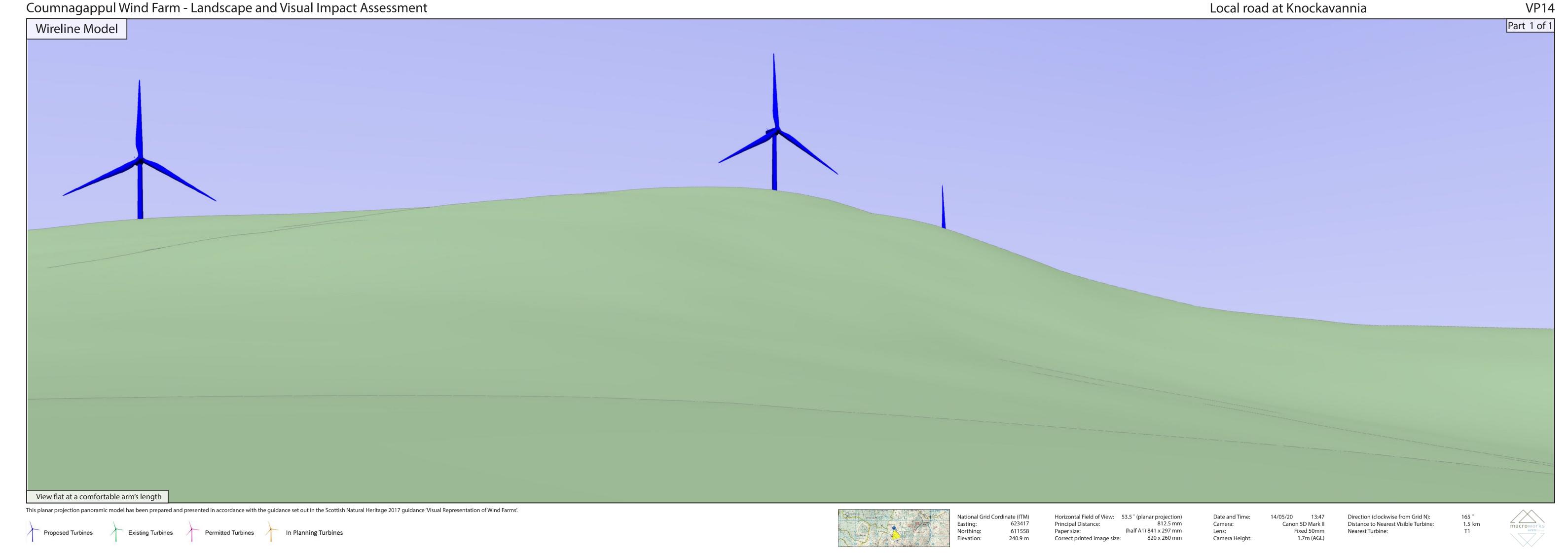
Fixed 50mm 1.7m (AGL)



Fixed 50mm

1.7m (AGL)

Nearest Turbine:



Coumnagappul Wind Farm - Landscape and Visual Impact Assessment Local road at Knockavannia VP14



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'.



820 x 260 mm

Canon 5D Mark II Fixed 50mm 1.7m (AGL)

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



1.7m (AGL)

Proposed Turbines Existing Turbines Permitted Turbines In Planning Turbines



Easting: 6.
Northing: 6
Elevation: 79

Principal Distance:
Paper size:

Correct printed image size:

Page 182

Paper 82

n) Date and
m Camera:
m Lens:

ne: 05/08/22 10:00 Canon 5D Mark II Fixed 50mm ght: 1.7m (AGL)

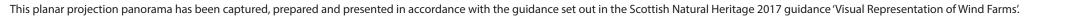
Direction (clockwise from Grid N): Distance to Nearest Visible Turbine: Nearest Turbine:

226 ° 6.7 k T6



Coumnagappul Wind Farm - Landscape and Visual Impact Assessment Kilclooney Mountain Summit (Fauscoum)







Canon 5D Mark II Fixed 50mm 1.7m (AGL)

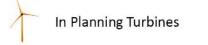
Direction (clockwise from Grid N): Distance to Nearest Visible Turbine: Nearest Turbine:



VP15



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'.





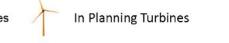
Canon 5D Mark II Fixed 50mm 1.7m (AGL)

Distance to Nearest Visible Turbine: Nearest Turbine:



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'.

View flat at a comfortable arm's length





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

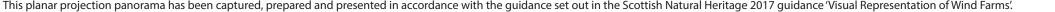
id N): urbine:



Coumnagappul Wind Farm - Landscape and Visual Impact Assessment

Local road at Tooraneena north of Bryan's Cross Roads







Fixed 50mm 1.7m (AGL)

Distance to Nearest Visible Turbine:

