



Proposed Lackareagh Wind Farm

EIAR Volume 2a
Photomontage Booklet

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The full methodology used for production of photomontages, Viewpoint Selection and impact assessment are included in Appendix 14-1 - LVIA Methodology

The following two guidance documents are considered the industry benchmark for producing photomontages specifically for wind energy developments and were the standards adhered to during the production of photomontages for this booklet

- 'Visual Representation of Wind Farms: Version 2.2' (Scottish Natural Heritage, 2017)
- 'Visual Representation of Development Proposals' (Landscape Institute Technical Guidance Note 06/19, 2019) (hereafter, LI TGN 06/19)



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USER GUIDE

1. Viewpoint info location and Turbine Specs can be found here

3 x Maps to show you the Viewpoint and turbine locations

Map legend and Wireline legend

This image shows the Existing View at 120°

Area	Area Name	Area Ref	Area Description
Area 1	Area 1	Area 1	Area 1
Area 2	Area 2	Area 2	Area 2
Area 3	Area 3	Area 3	Area 3
Area 4	Area 4	Area 4	Area 4
Area 5	Area 5	Area 5	Area 5
Area 6	Area 6	Area 6	Area 6
Area 7	Area 7	Area 7	Area 7
Area 8	Area 8	Area 8	Area 8
Area 9	Area 9	Area 9	Area 9
Area 10	Area 10	Area 10	Area 10
Area 11	Area 11	Area 11	Area 11
Area 12	Area 12	Area 12	Area 12
Area 13	Area 13	Area 13	Area 13
Area 14	Area 14	Area 14	Area 14
Area 15	Area 15	Area 15	Area 15
Area 16	Area 16	Area 16	Area 16
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Area 27	Area 27	Area 27	Area 27
Area 28	Area 28	Area 28	Area 28
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Area 30	Area 30	Area 30	Area 30
Area 31	Area 31	Area 31	Area 31
Area 32	Area 32	Area 32	Area 32
Area 33	Area 33	Area 33	Area 33
Area 34	Area 34	Area 34	Area 34
Area 35	Area 35	Area 35	Area 35
Area 36	Area 36	Area 36	Area 36
Area 37	Area 37	Area 37	Area 37
Area 38	Area 38	Area 38	Area 38
Area 39	Area 39	Area 39	Area 39
Area 40	Area 40	Area 40	Area 40
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Area 95	Area 95	Area 95	Area 95
Area 96	Area 96	Area 96	Area 96
Area 97	Area 97	Area 97	Area 97
Area 98	Area 98	Area 98	Area 98
Area 99	Area 99	Area 99	Area 99
Area 100	Area 100	Area 100	Area 100

VISUAL TOOL

It is recommended that photomontages at 53.5° are simply viewed at a comfortable arm's length. (approximately 500mm - 550mm - Visual Representation of Development Proposals LI TGN 06/19 Page 14 of 58).

This will vary depending on the length of the viewer's arms and their eyesight. They should also be viewed flat as they are in planar projection.

2. This image shows the "Existing View at 90°"

This 90° "matching wireline" will show Existing Wind Farms within 20km

Using 3d software, the "Proposed View at 90°" illustrates how the proposed development will look if constructed.

This 90° "Matching Wireline" shows the Proposed Wind Farm with other (cumulative) wind farms in the area, i.e existing, permitted, other proposed wind farms etc...

3. This image illustrates the "Proposed Wind Farm at 53.5°". Other existing permitted and proposed wind farms are also shown.

This 53.5° "matching wireline" shows the Proposed Wind Farm and visible cumulative.

TURBINE GUIDE

Colour reference indicating the status of each development.

- Proposed Wind Farm
- Existing Wind Farms
- Permitted Wind Farms
- Other Proposed Wind Farms
- Proposed Met Mast

Cumulative

View Point 01

Tountinna Mt, Lough Derg

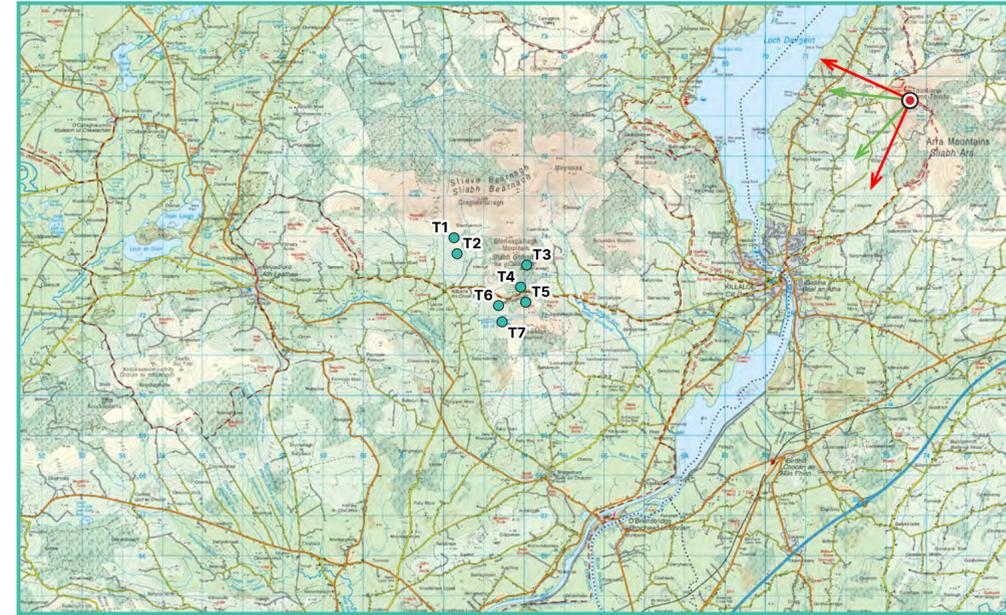
Photomontage 01

View from the top of Tountinna Mt looking west over Lough Derg, overlaps with Lough Derg Way. Located approximately 10.4km east of the nearest turbine (T3).

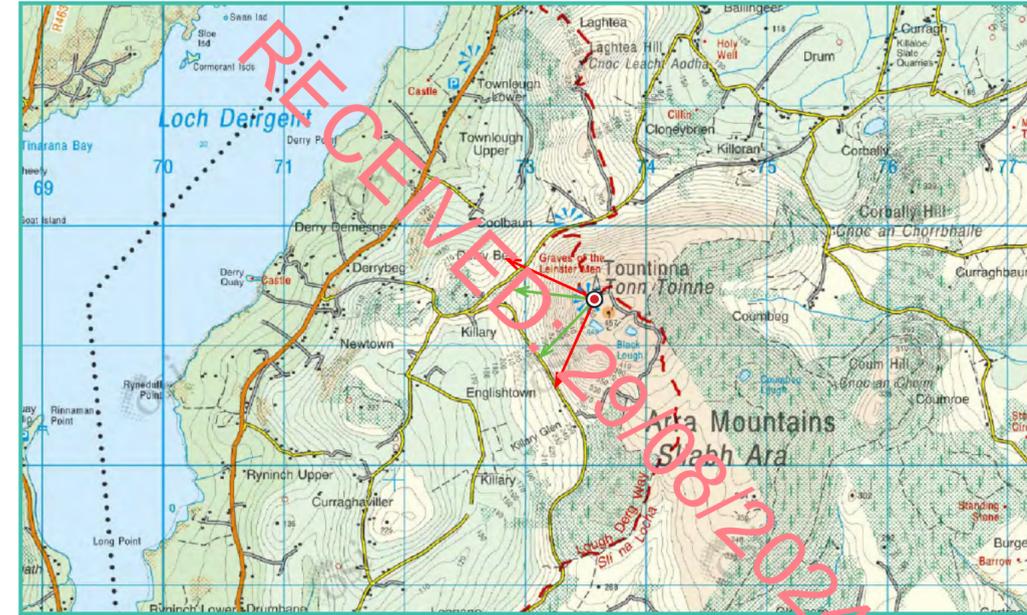
View point grid reference	E 573532 N 677431
Date of image taken	06.09.2023
Time of image taken	10:09
View point elevation	445.5m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	246°
Horizontal extent of proposed turbines	12°
Distance to nearest proposed turbine	10.4km (T3)
Number of proposed turbines visible	5/7
Turbine Hub Height	105m
Turbine Tip Height	180m
Turbine Rotor Diameter	150m
Montage Type	Type 4* Photomontage / Photowire / Survey / Scale Verifiable
Camera & Lens	Canon 5D Mark III / Full Frame Sensor with a 50mm Lens
Tripod	Manfrotto 190X extended to approx 1.5m.
Guidance	Visual Representation of Development Proposals, Landscape Institute Technical Guidance Note 06/19, 2019
Map Licence	© Ordnance Survey Ireland. All rights reserved. Licence number CYAL50267517



View point relative to 20km radius.



View point relative to proposed wind farm site.



Detail of view point location.

Map Legend

Area shown in 90° view



Area shown in 53.5° view



View Point



Proposed Lackareagh Turbine



Wireline Legend

Proposed Lackareagh Wind Farm

Proposed Met Mast (35m)

Existing Wind Farms

Permitted Wind Farms

Other Proposed Wind Farms

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90° View Extent

Key Image at 120°

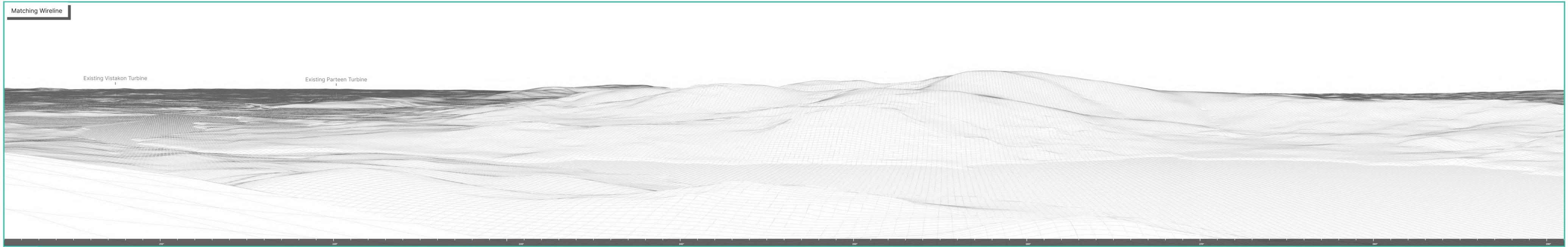


53.5° View Extent

Existing View at 90°



Matching Wireline

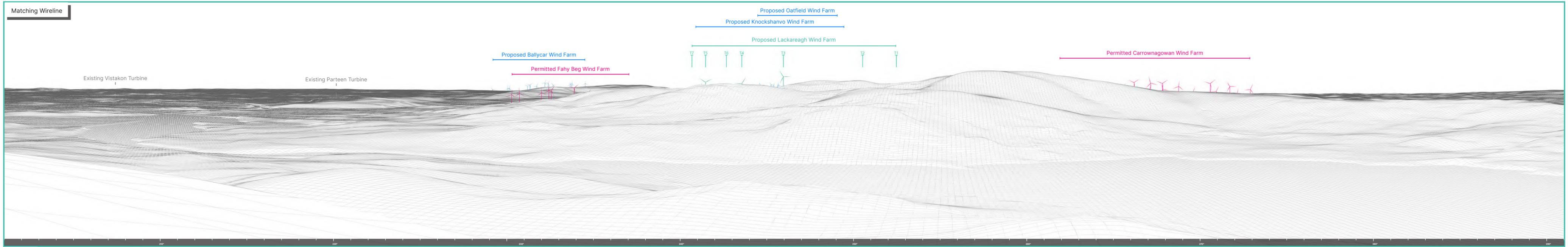


Proposed Photomontage with Cumulative at 90°



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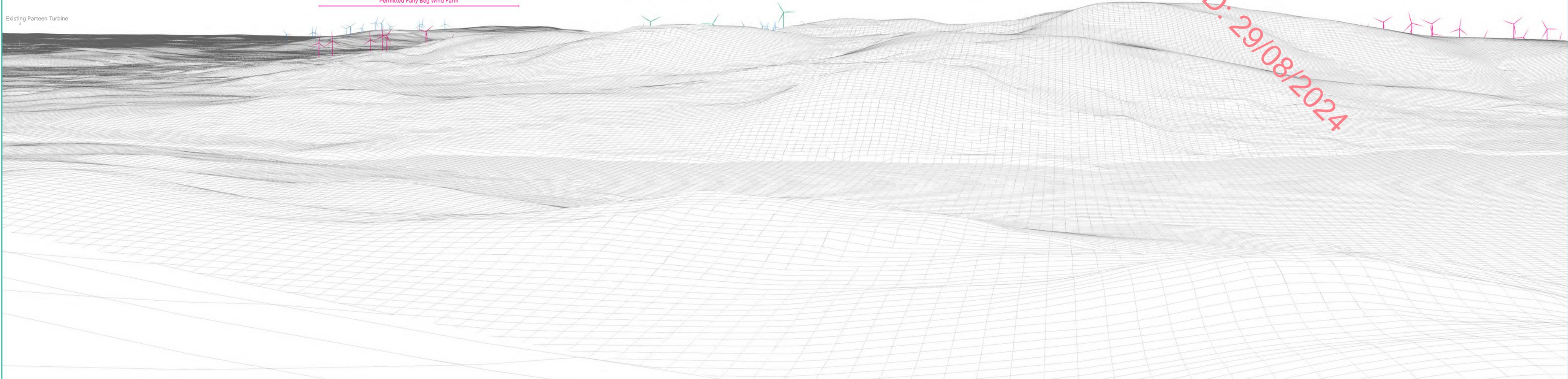
Matching Wireline



Proposed Photomontage with Cumulative at 53.5°



Existing Parteen Turbine



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View Point 02

Killaloe - Riverside

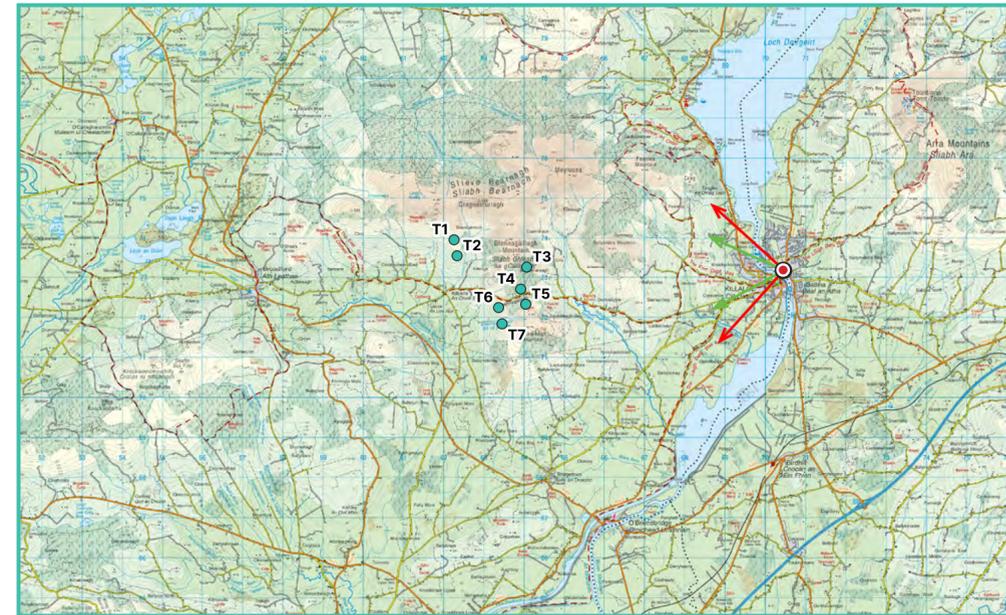
Photomontage 02

View from the park at Killaloe Bridge on the eastern bank of the River Shannon in Killaloe. Located approximately 6.3km east of the nearest proposed turbine (T3).

View point grid reference	E 570397 N 673231
Date of image taken	14.10.2023
Time of image taken	09:53
View point elevation	31m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	268°
Horizontal extent of proposed turbines	16°
Distance to nearest proposed turbine	6.3km (T3)
Number of proposed turbines visible	3/7
Turbine Hub Height	105m
Turbine Tip Height	180m
Turbine Rotor Diameter	150m
Montage Type	Type 4 Photomontage / Photowire / Survey / Scale Verifiable
Camera & Lens	Canon 5D Mark III / Full Frame Sensor with a 50mm Lens
Tripod	Manfrotto 190X extended to approx 1.5m.
Guidance	Visual Representation of Development Proposals, Landscape Institute Technical Guidance Note 06/19, 2019 © Ordnance Survey Ireland. All rights reserved.
Map Licence	Licence number CYAL50267517



View point relative to 20km radius.



View point relative to proposed wind farm site.



Detail of view point location.

90° View Extent

Map Legend

- Area shown in 90° view
- Area shown in 53.5° view
- View Point
- Proposed Lackareagh Turbine

Wireline Legend

- Proposed Lackareagh Wind Farm
- Proposed Met Mast (35m)
- Existing Wind Farms
- Permitted Wind Farms
- Other Proposed Wind Farms

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Key Image at 120°

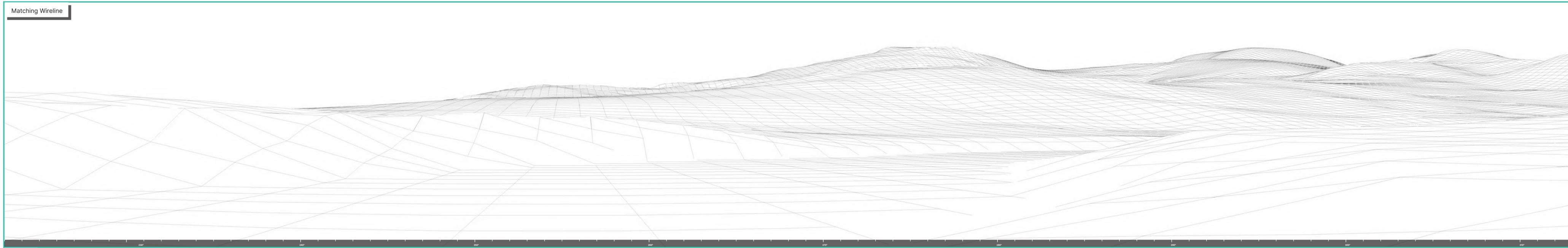


53.5° View Extent

Existing View at 90°



Matching Wireline

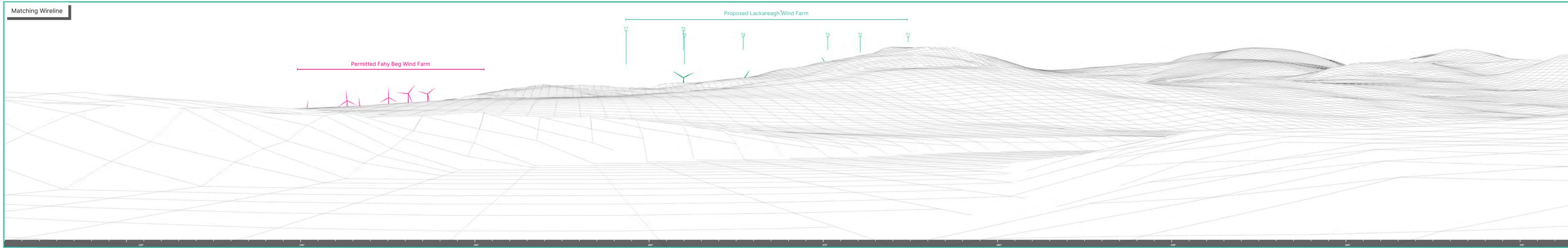


Proposed Photomontage with Cumulative at 90°



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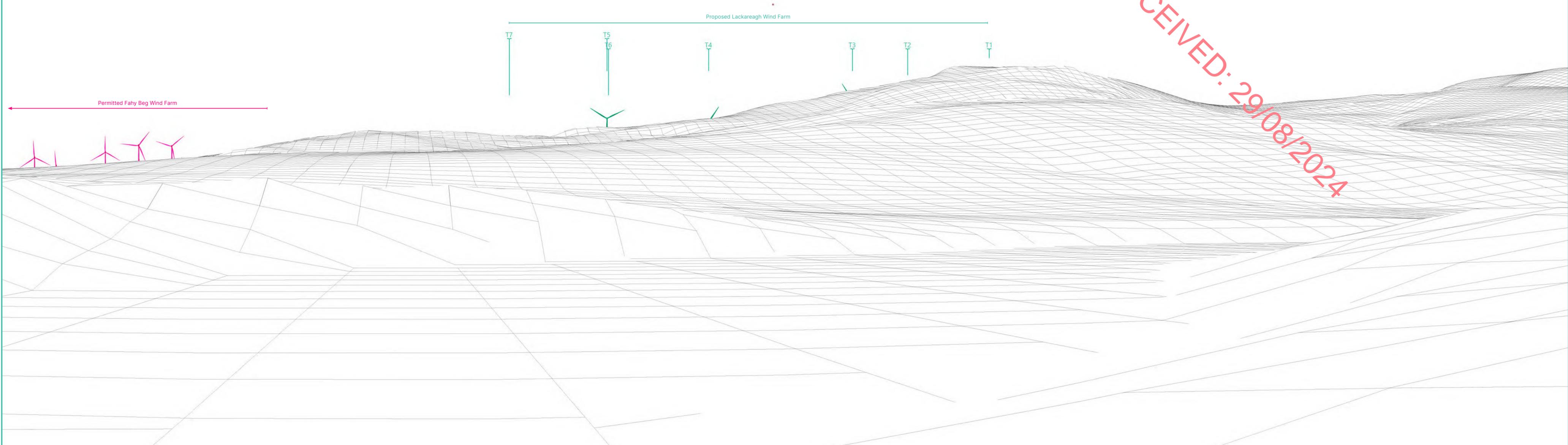
Matching Wireline



Proposed Photomontage with Cumulative at 53.5°



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