

Environmental Impact Assessment Report
Proposed Coole Wind Farm, Co. Westmeath
Volume 2

PHOTOMONTAGE BOOKLET

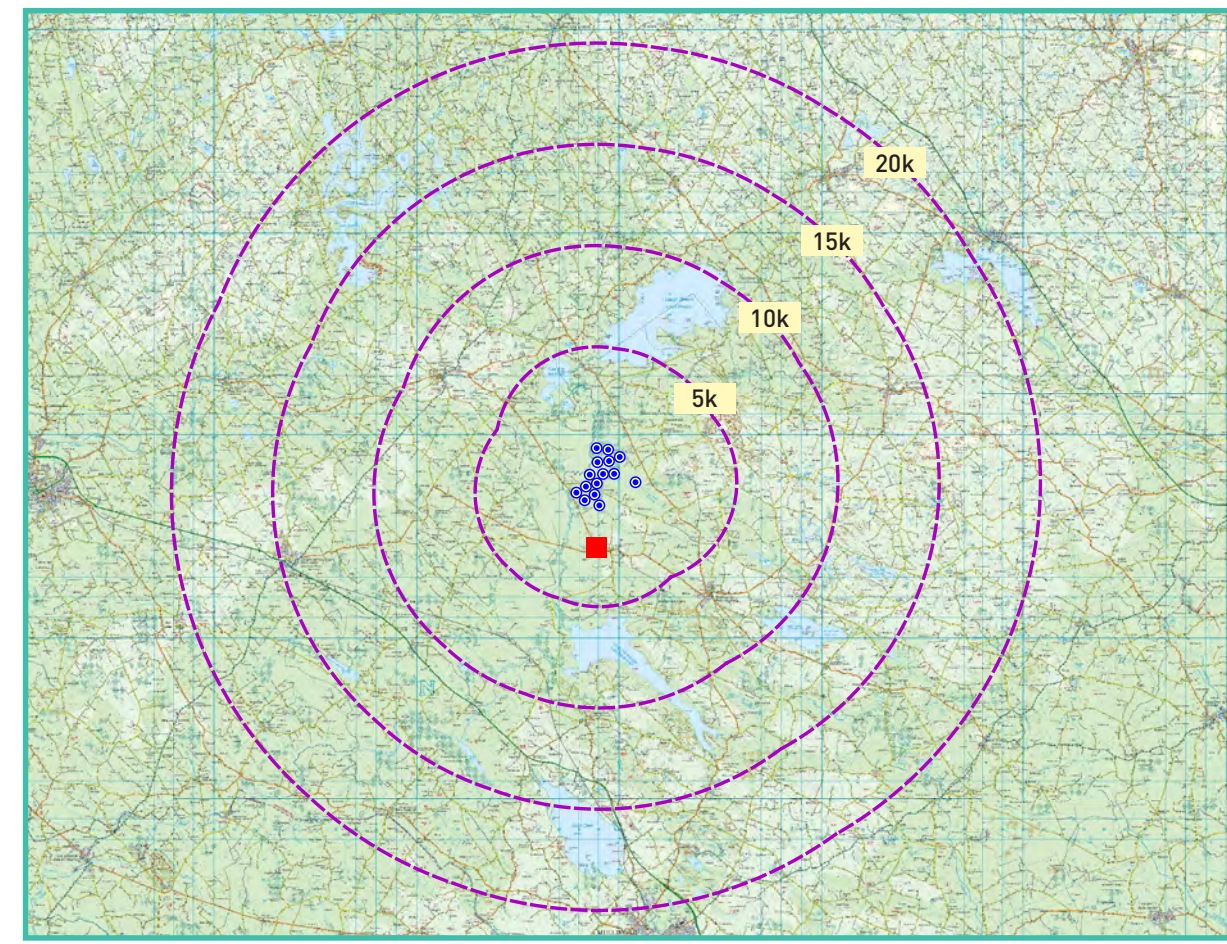


Cooler Village 1

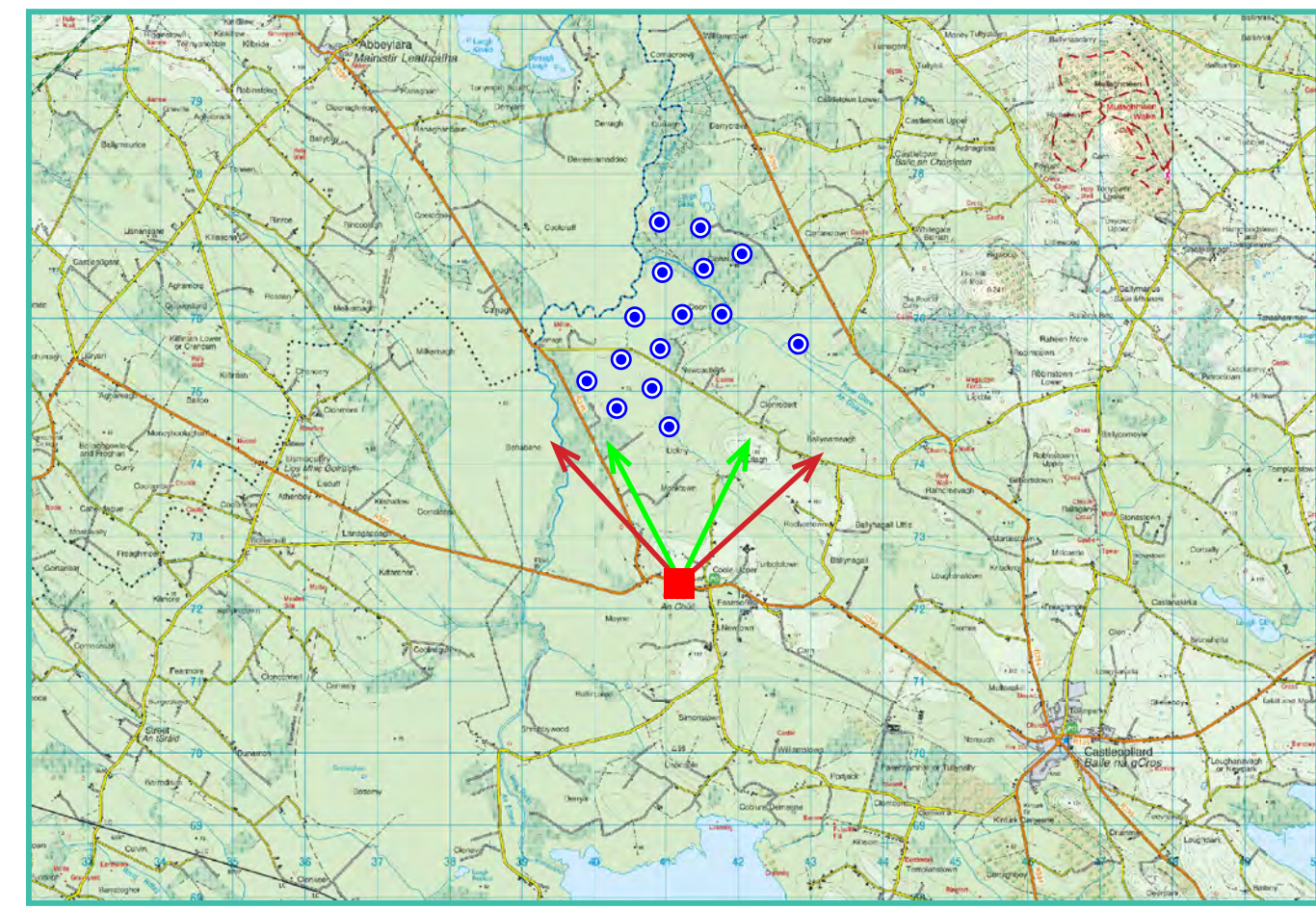
Photomontage 1

View Point: View Point: View from protected view on the R395 Regional Road through Coole village, approximately 2.1 kilometres south of the nearest proposed turbine location.

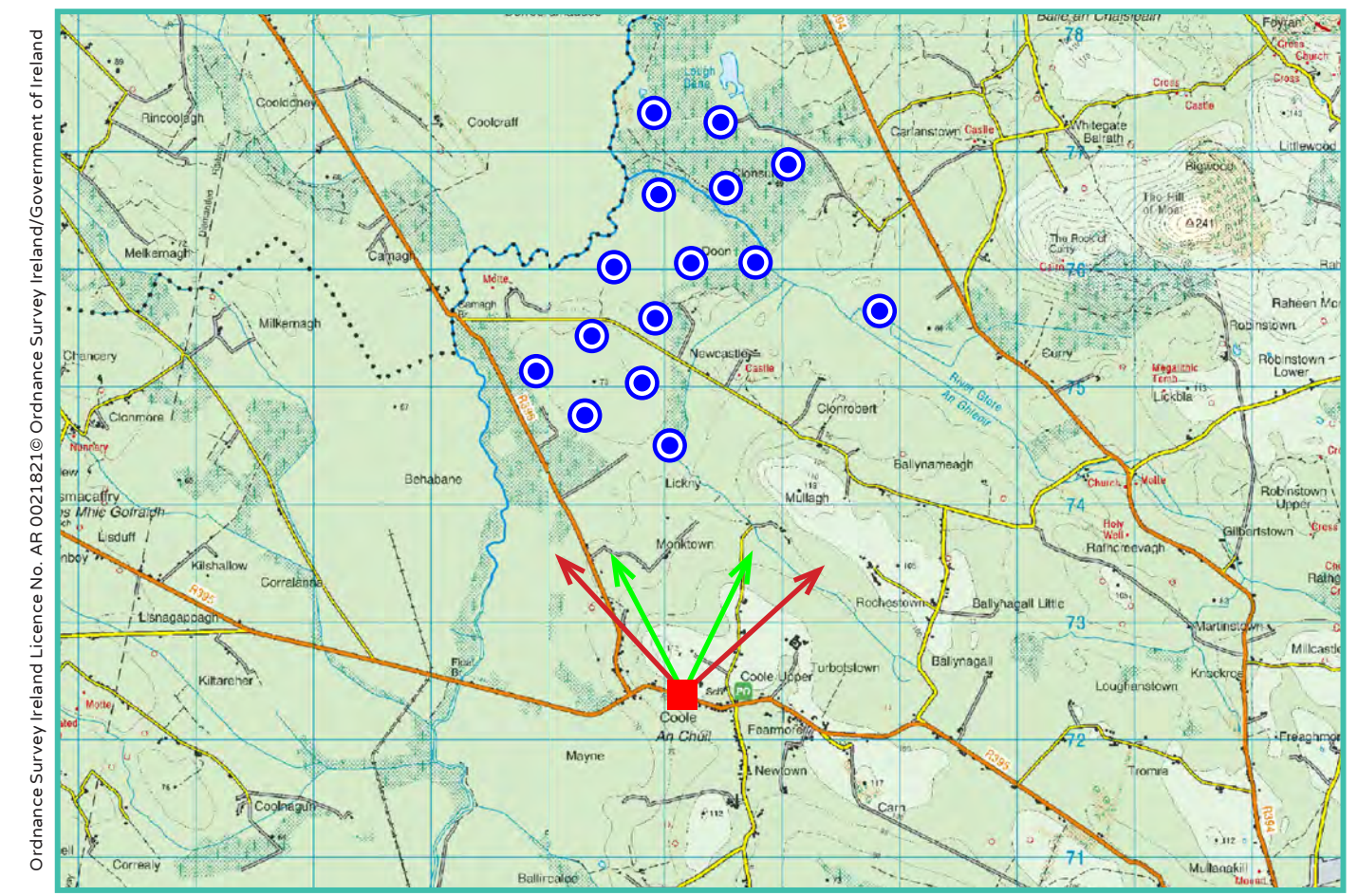
View point grid reference	241,070(E); 272,405(N)
Date of image taken	17.02.2016
Time of image taken	1.54pm
View point elevation	96m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	2°
Horizontal extent of proposed turbines	307°
Distance to nearest proposed turbine	2.1km (T14)
Number of proposed turbines visible	0/15
Turbine Hub Height	97.5m
Turbine Tip Height	175m
Turbine Rotor Diameter	155m
Camera	Canon EOS 600D with 1.5x sensor
Lens	35mm prime. Equivalent zoom range 52.5mm
Tripod	Manfrotto 190X extended to approx 1.65m.
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View point relative to 20km radius.



View point relative to wind farm site



Detail of view point location.

Map Legend

- Area shown in 90° view
- Area shown in 53.5° view
- View Point

Wireframe Legend

- Proposed Coole Wind Farm in Blue (15T)
- Permitted Coole Wind Farm in Green (13T)
- Existing Ballyjamesduff Wind Farm in Grey

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 Planning & Environmental Consultants
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 Website: www.mkoireland.ie



90° View Extent



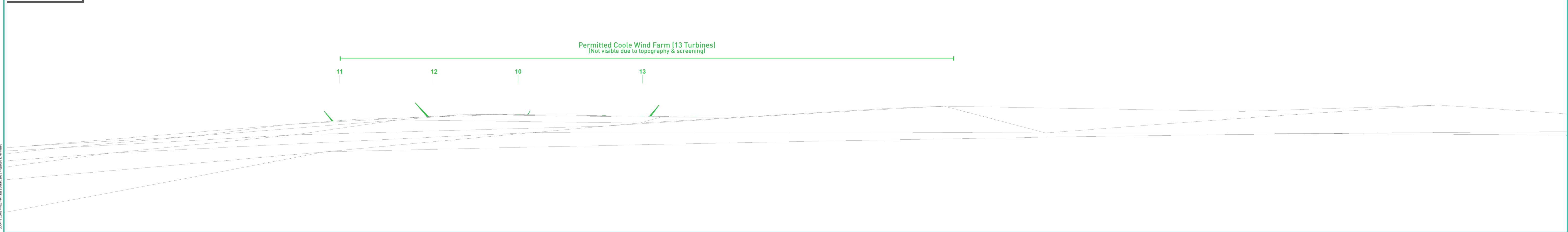
53.5° View Extent

201416 Coole Photomontage Booklet 2021 Proposed & Permitted

Do-Nothing Scenario - Permitted Coole Wind Farm (13 Turbines) Photomontage at 90°

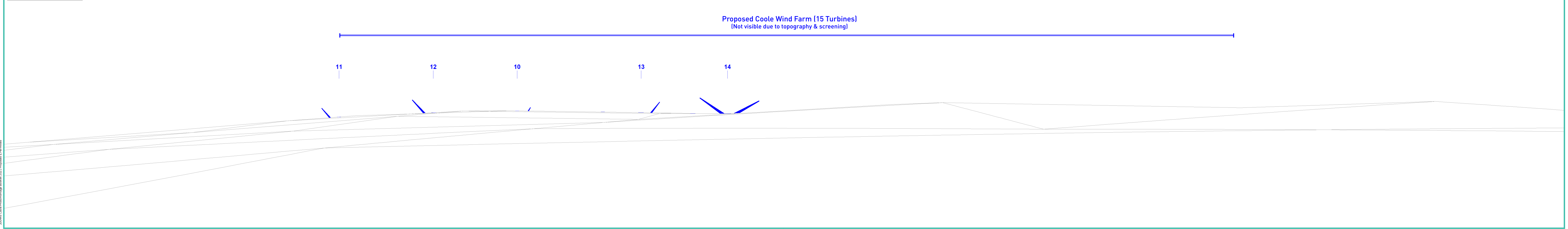


Matching Wireframe





Matching Wireframe



200466 Coole Photomontage Booklet 2021 Proposed & Permitted

Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 53.5°



Matching Wireframe

Proposed Coole Wind Farm (15 Turbines)
(Not visible due to topography & screening)

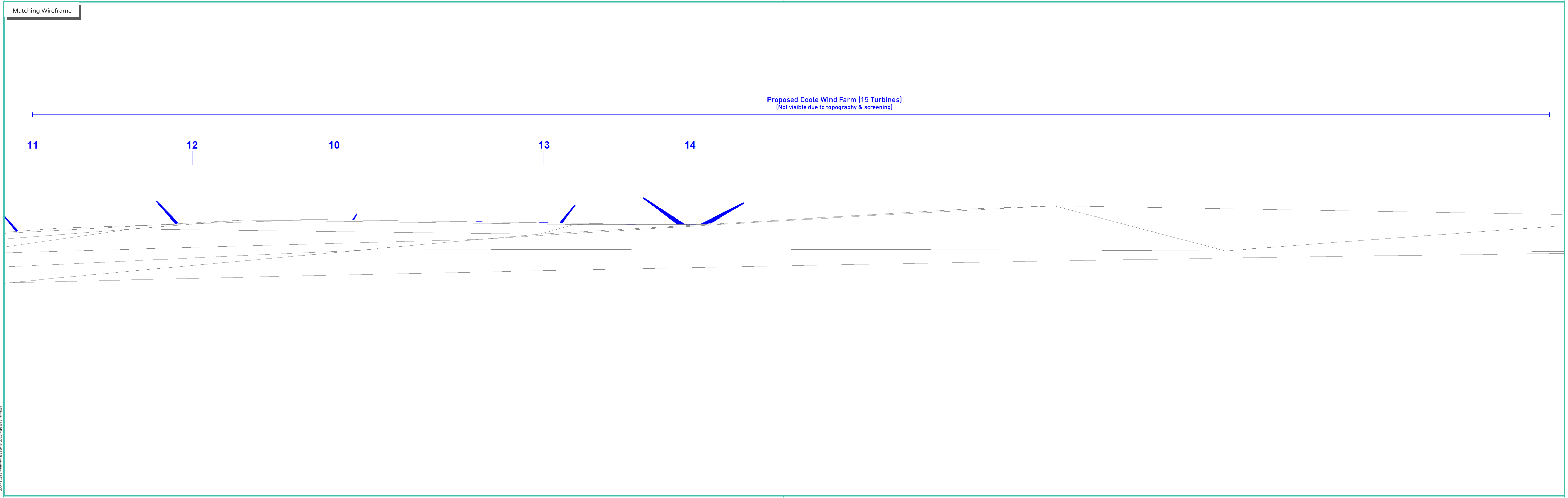
11

12

10

13

14



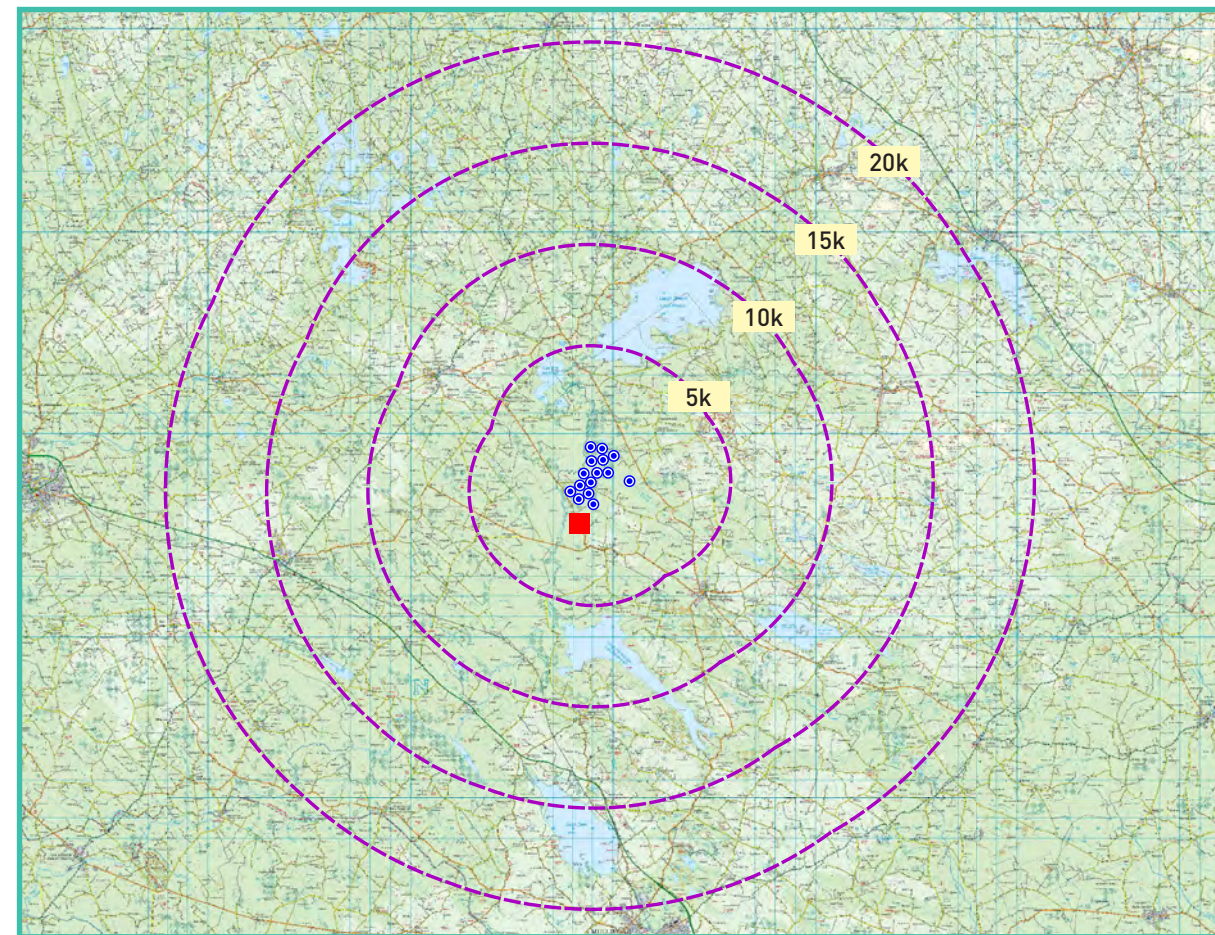
View Point 2

Cooles

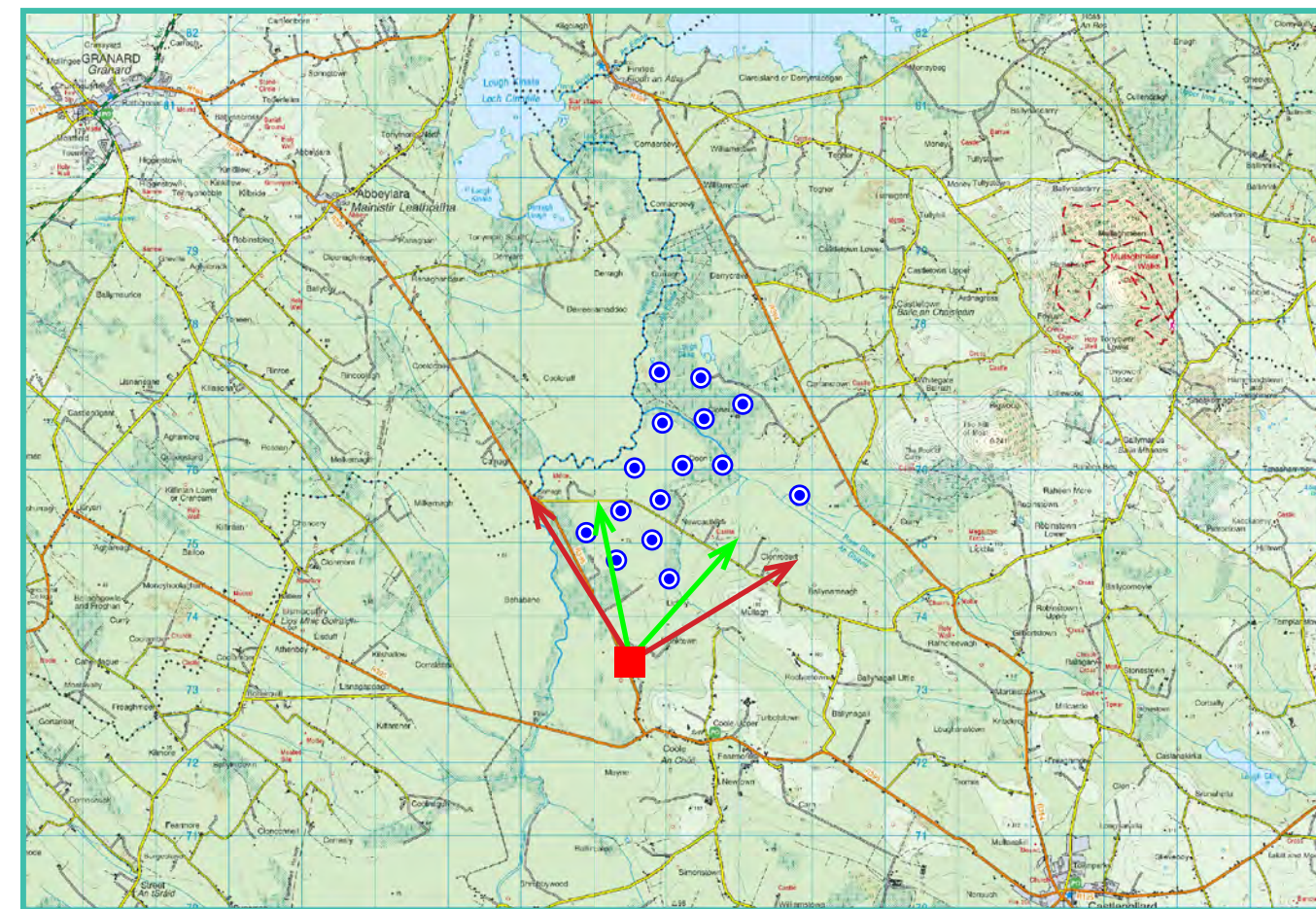
Photomontage 2

View Point: View from the R396 Regional Road in the townland of Cooles, approximately 1.2 kilometres south of the nearest proposed turbine location.

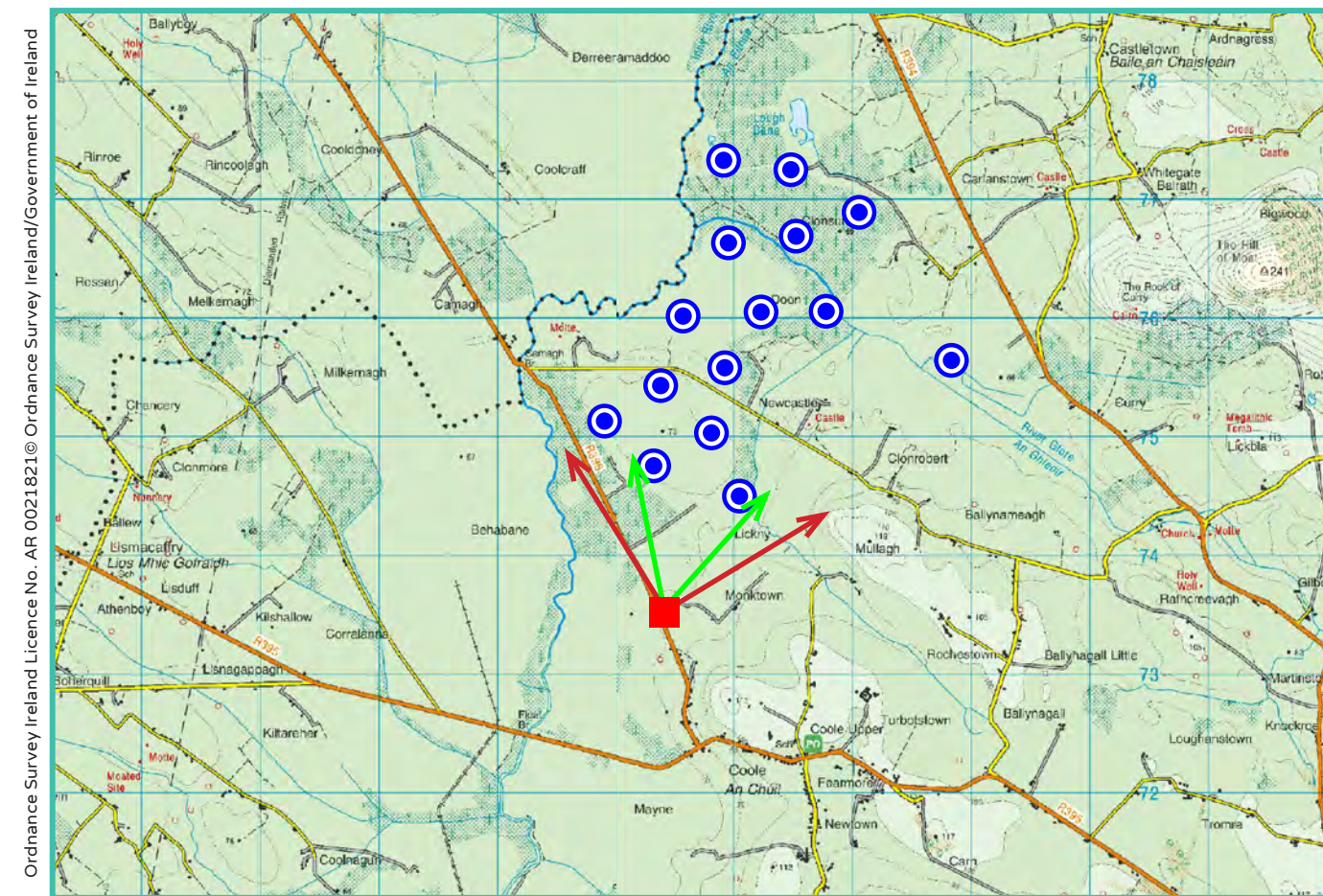
View point grid reference	240,398(E); 273,456(N)
Date of image taken	17.02.2016
Time of image taken	2.07pm
View point elevation	70m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	13°
Horizontal extent of proposed turbines	296°
Distance to nearest proposed turbine	1.2km (T14)
Number of proposed turbines visible	8/15
Turbine Hub Height	97.5m
Turbine Tip Height	175m
Turbine Rotor Diameter	155m
Camera	Canon EOS 600D with 1.5x sensor
Lens	35mm prime. Equivalent zoom range 52.5mm
Tripod	Manfrotto 190X extended to approx 1.65m.
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View point relative to 20km radius.



View point relative to wind farm site



Detail of view point location.

Map Legend

- Area shown in 90° view
- Area shown in 53.5° view
- View Point

Wireframe Legend

- Proposed Cooles Wind Farm in Blue (15T)
- Permitted Cooles Wind Farm in Green (13T)
- Existing Ballyjamesduff Wind Farm in Grey

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90° View Extent

Key Image at 120°



53.5° View Extent

Do-Nothing Scenario - Permitted Coole Wind Farm (13 Turbines) Photomontage at 90°



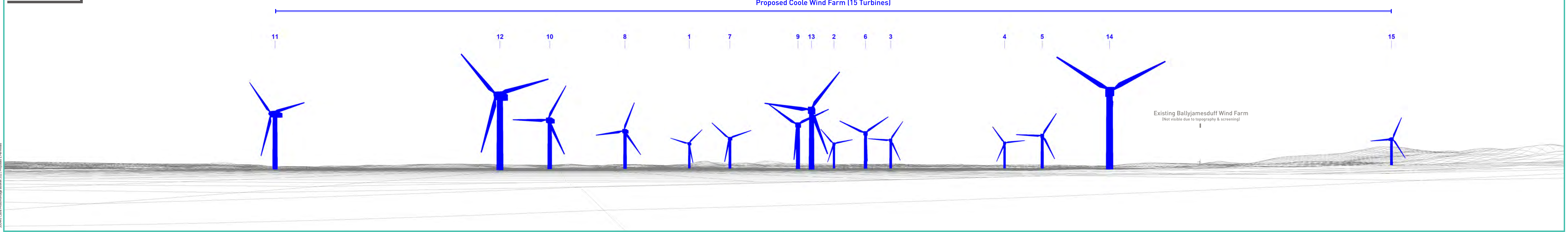
Matching Wireframe



Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 90°



Matching Wireframe



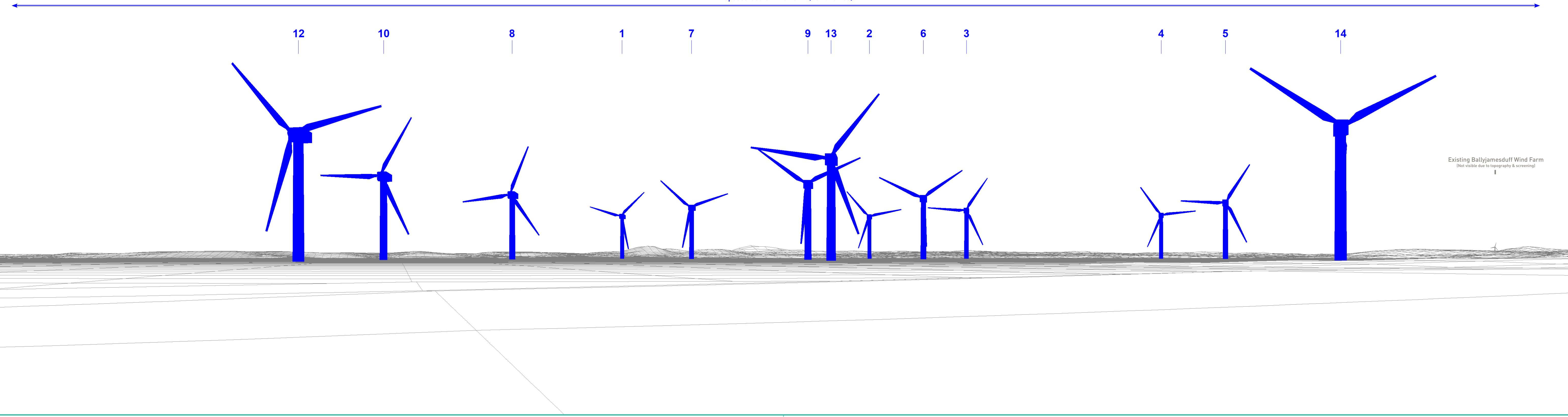
200446 Coole Photomontage Booklet 2021 Proposed & Permitted

Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 53.5°



Matching Wireframe

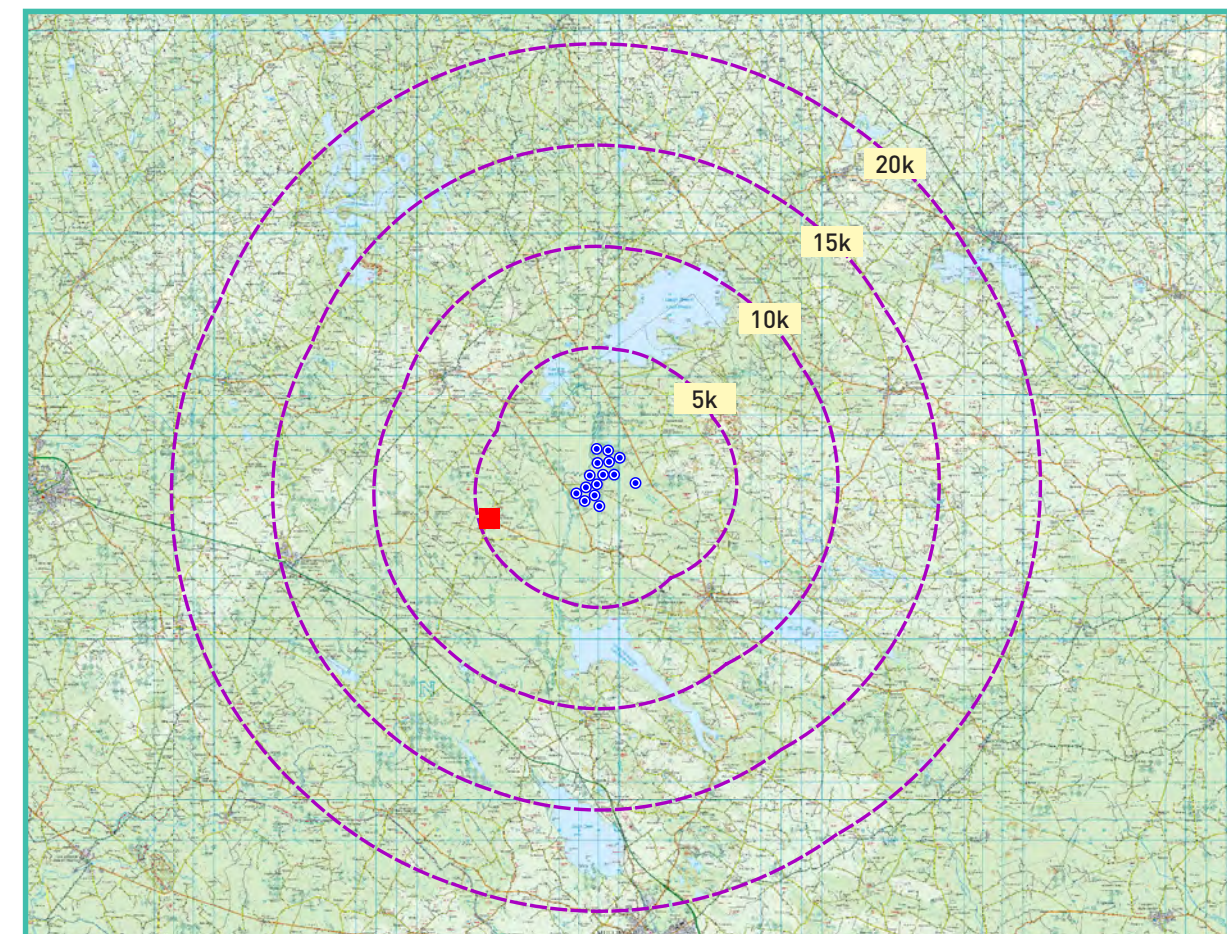
Proposed Coole Wind Farm (15 Turbines)



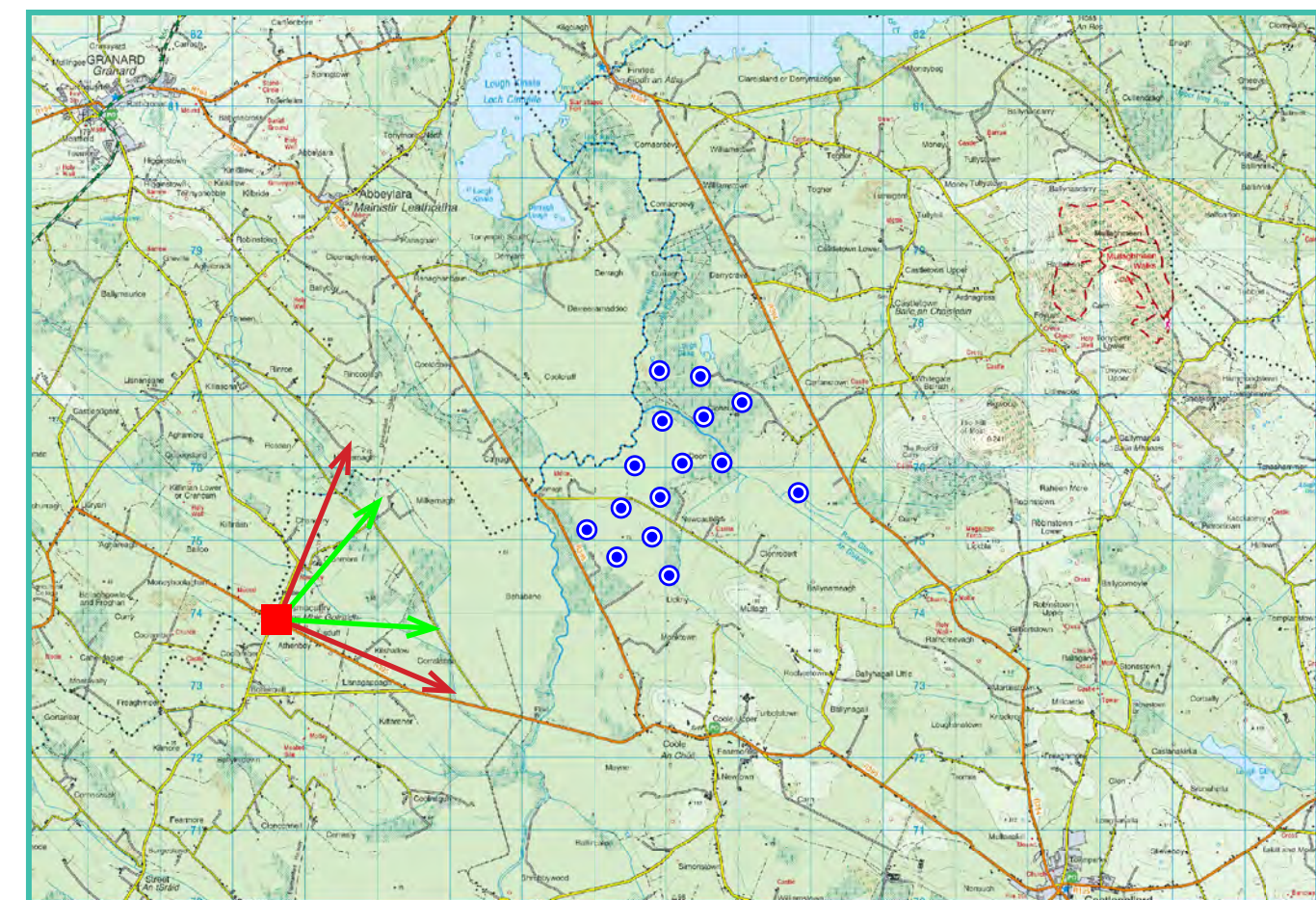
Photomontage 3

View Point: View from Regional Road at Lismacaffrey approximately 4.4.km west of the nearest turbine.

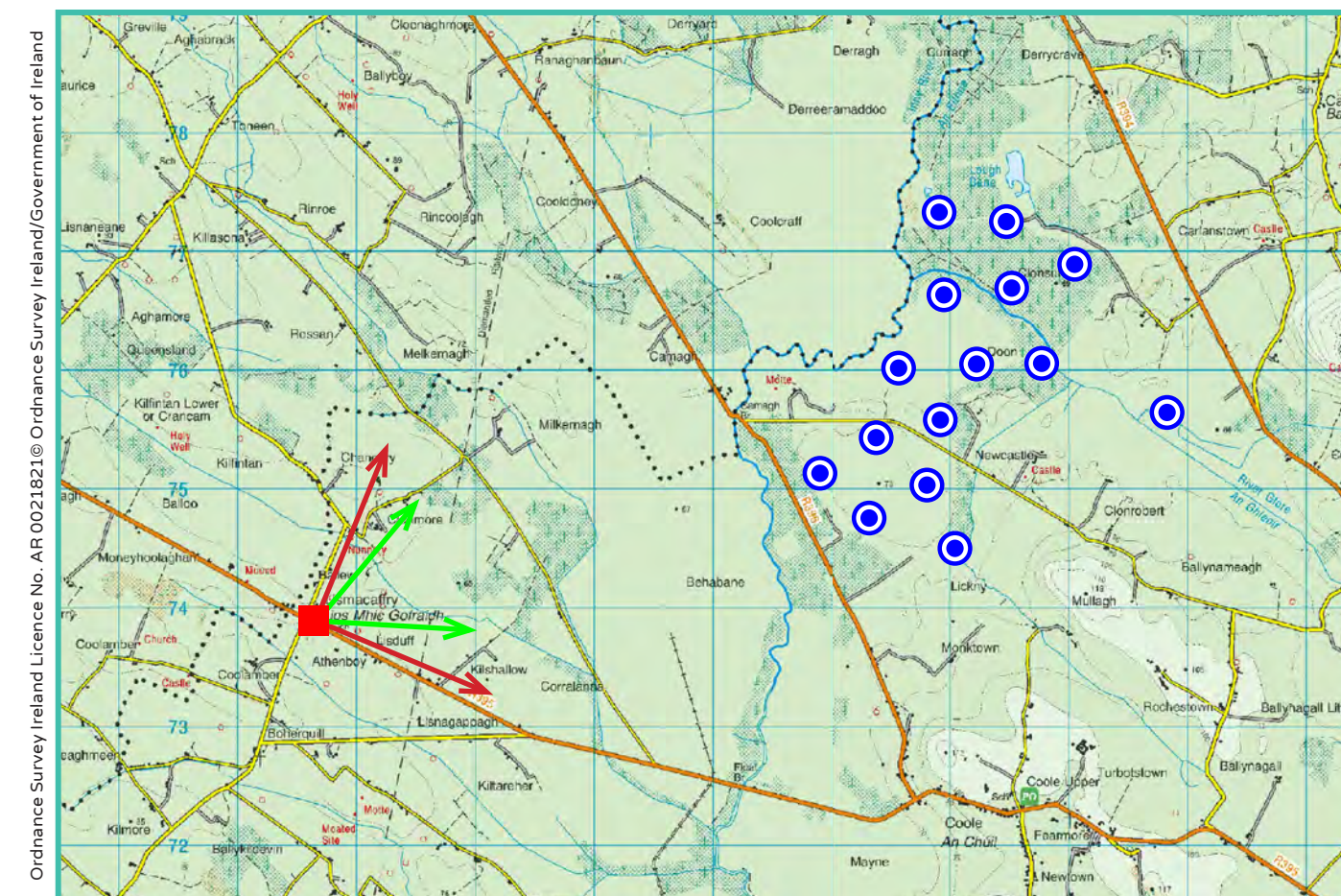
View point grid reference	235,625(E); 273,874(N)
Date of image taken	19.01.2017
Time of image taken	14.34pm
View point elevation	79m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	67°
Horizontal extent of proposed turbines	26°
Distance to nearest proposed turbine	4.4km (T11)
Number of proposed turbines visible	14/15
Turbine Hub Height	97.5m
Turbine Tip Height	175m
Turbine Rotor Diameter	155m
Camera	Canon EOS 600D with 1.5x sensor
Lens	35mm prime. Equivalent zoom range 52.5mm
Tripod	Manfrotto 190X extended to approx 1.65m.
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View point relative to 20km radius.



View point relative to wind farm site



Detail of view point location.

Map Legend

- Area shown in 90° view
- Area shown in 53.5° view
- View Point

Wireframe Legend

- Proposed Coole Wind Farm in Blue (15T)
- Permitted Coole Wind Farm in Green (13T)
- Existing Ballyjamesduff Wind Farm in Grey

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 Website: www.mkofireland.ie



90° View Extent



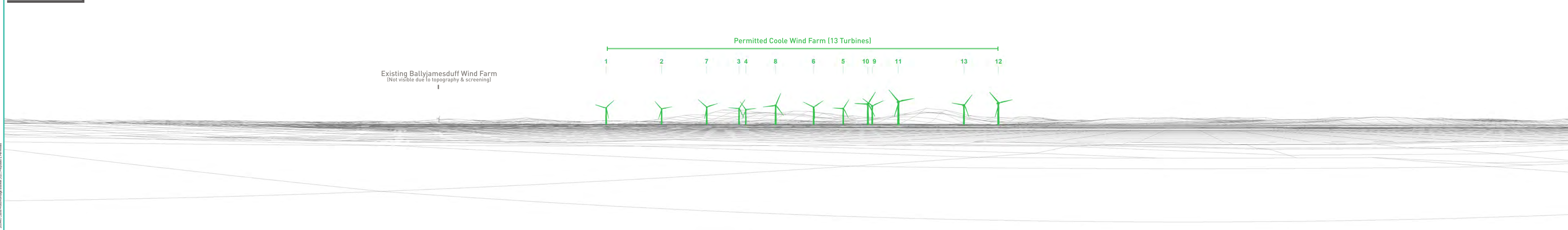
Key Image at 120°

53.5° View Extent





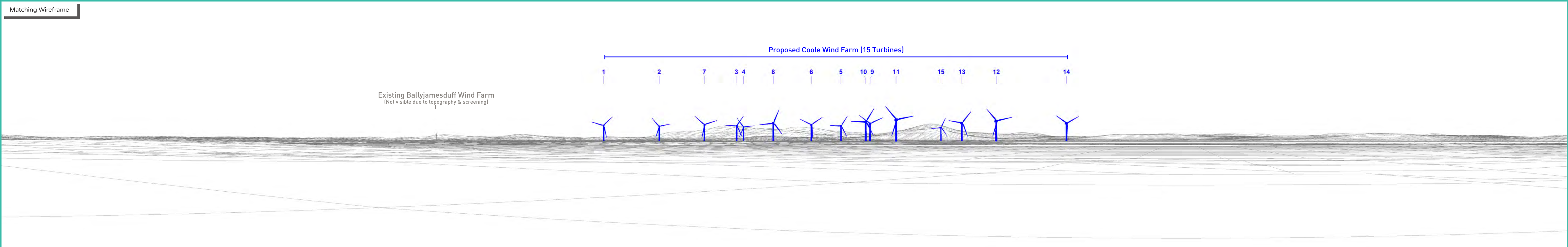
Matching Wireframe



Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 90°



Matching Wireframe



Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 53.5°

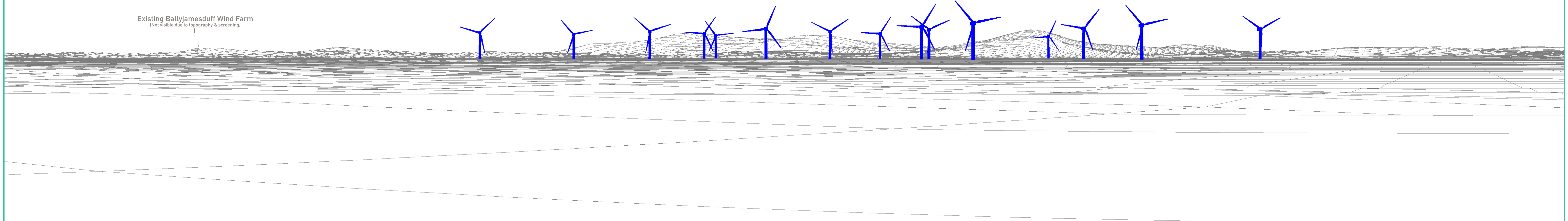


Matching Wireframe

Proposed Coole Wind Farm (15 Turbines)

- 1
- 2
- 7
- 3 4
- 8
- 6
- 5
- 10 9
- 11
- 15
- 13
- 12
- 14

Existing Ballyjamesduff Wind Farm
(Not visible due to topography & screening)

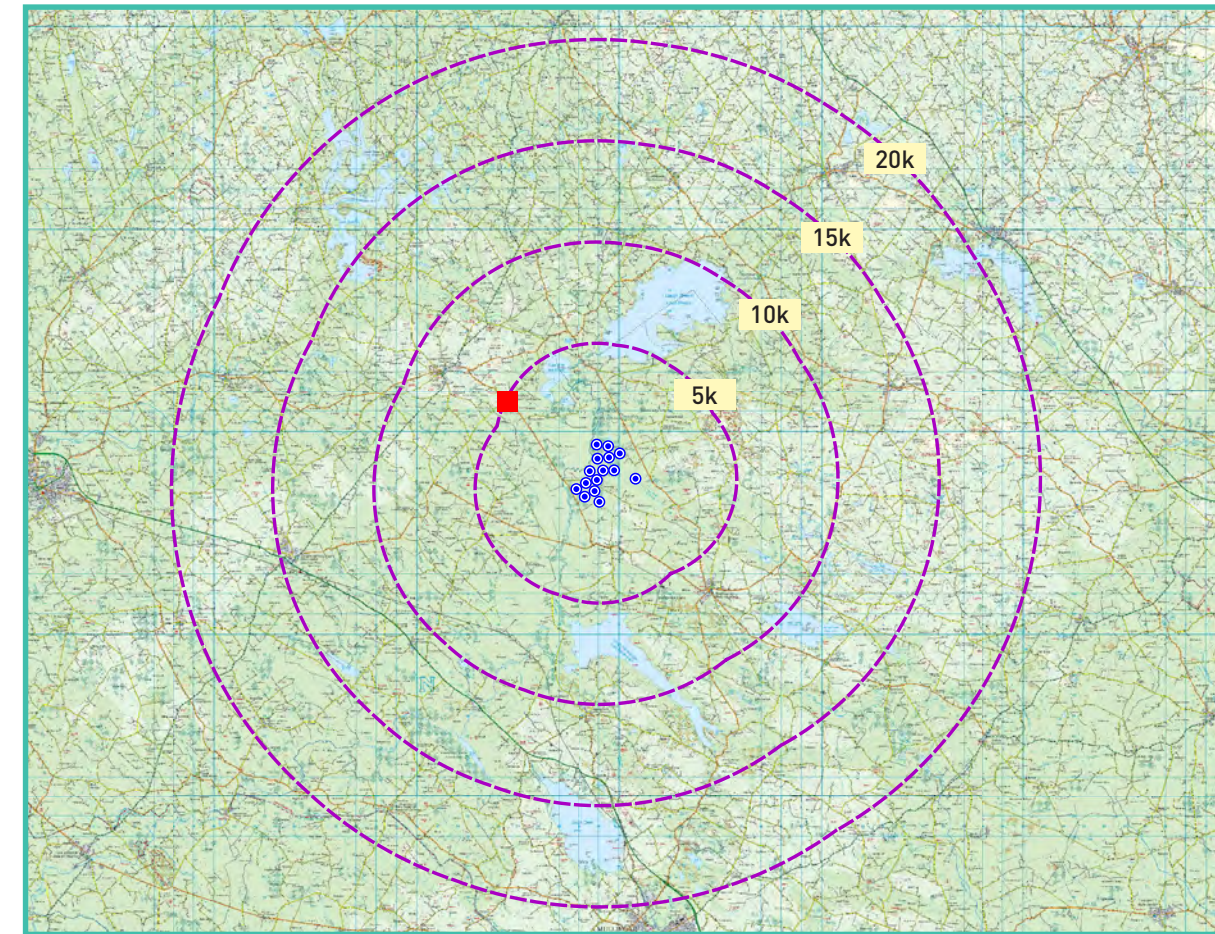


Cloonaghmore View Point 4

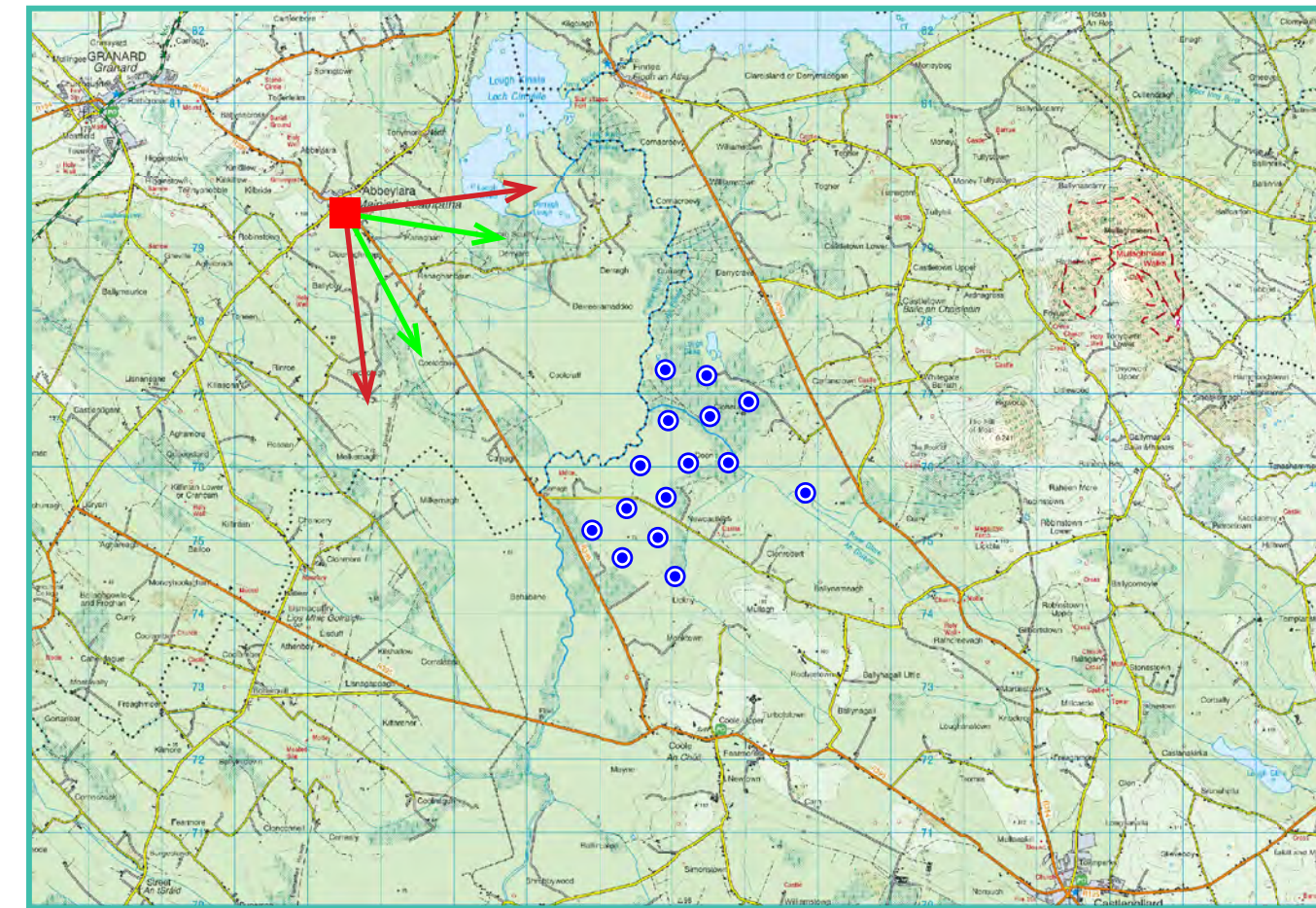
Photomontage 4

View Point: View from the Regional Road R396 in the townland of Cloonaghmore, approximately 4.6 kilometres northwest of the nearest turbine.

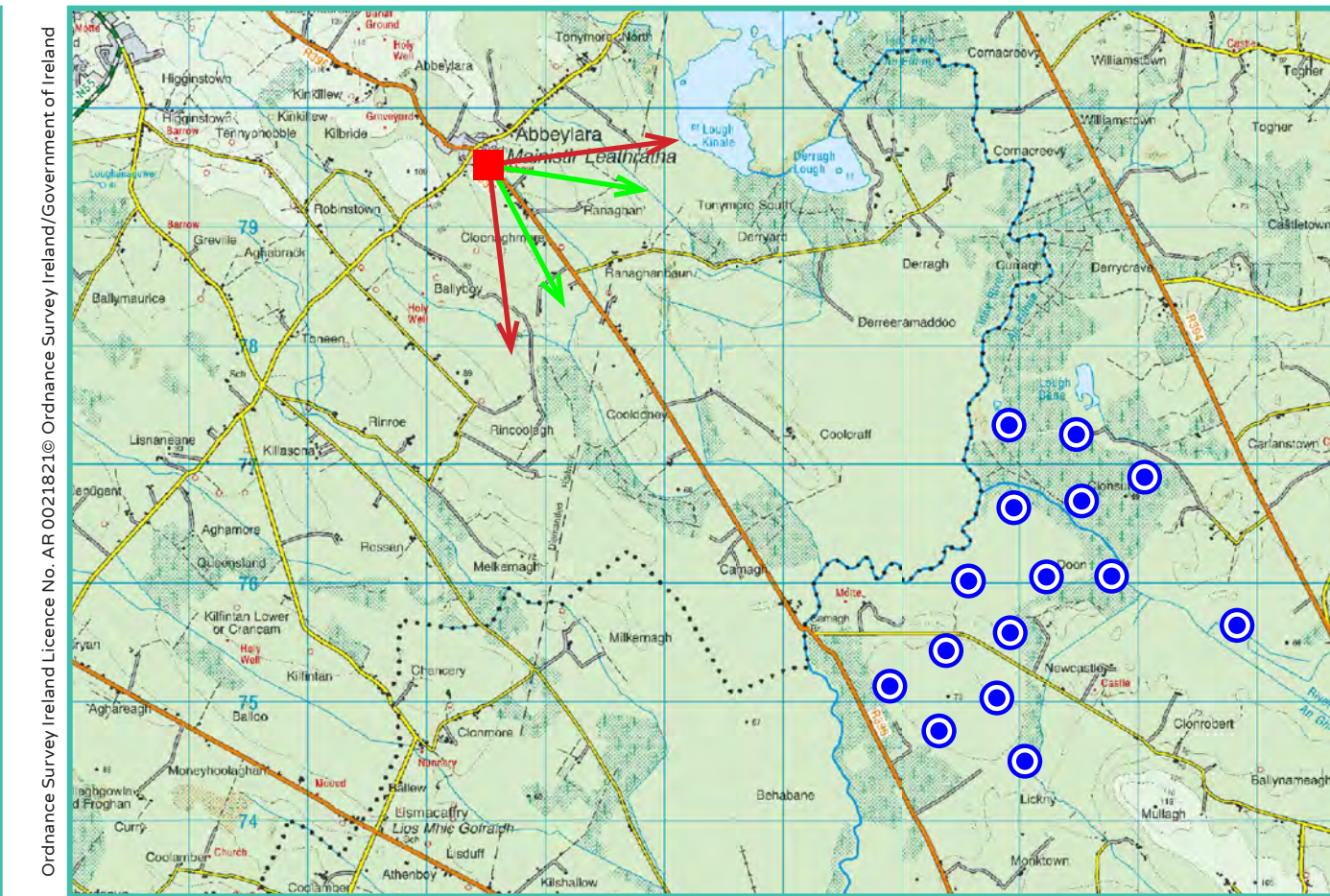
View point grid reference	236,642(E); 279,402(N)
Date of image taken	22.01.2021
Time of image taken	1:59pm
View point elevation	83m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	127°
Horizontal extent of proposed turbines	28°
Distance to nearest proposed turbine	4.6km (T1)
Number of proposed turbines visible	9/15
Turbine Hub Height	97.5m
Turbine Tip Height	175m
Turbine Rotor Diameter	155m
Camera	Canon EOS 600D with 1.5x sensor
Lens	35mm prime. Equivalent zoom range 52.5mm
Tripod	Manfrotto 190X extended to approx 1.65m.
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View point relative to 20km radius.



View point relative to wind farm site



Detail of view point location.

Map Legend

Area shown in 90° view

Area shown in 53.5° view

View Point

Wireframe Legend

Proposed Coole Wind Farm in Blue (15T)

Permitted Coole Wind Farm in Green (13T)

Existing Ballyjamesduff Wind Farm in Grey

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90° View Extent

Key Image at 120°

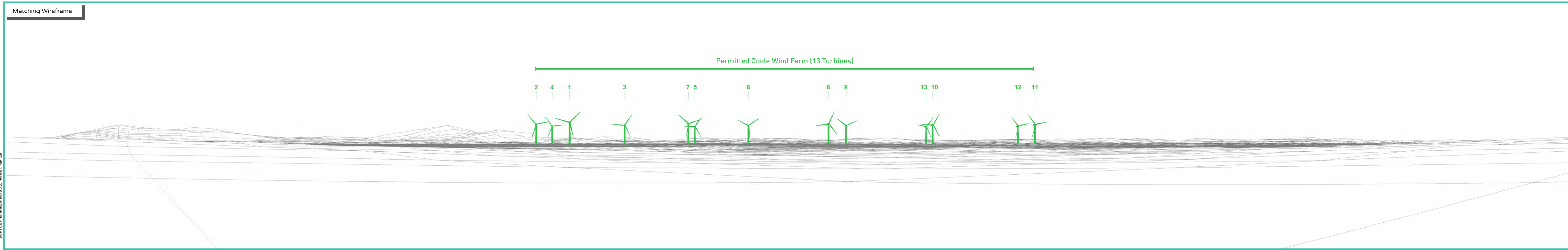


53.5° View Extent

Do-Nothing Scenario - Permitted Coole Wind Farm (13 Turbines) Photomontage at 90°



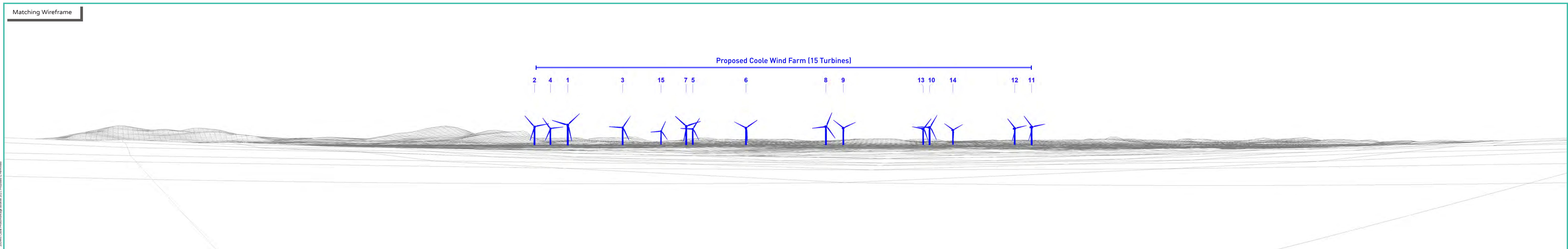
Matching Wireframe



Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 90°



Matching Wireframe



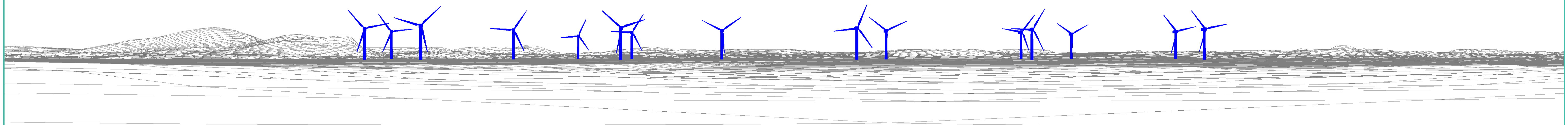
Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 53.5°



Matching Wireframe

Proposed Coole Wind Farm (15 Turbines)

- 2
- 4
- 1
- 3
- 15
- 7
- 5
- 6
- 8
- 9
- 13
- 10
- 14
- 12
- 11



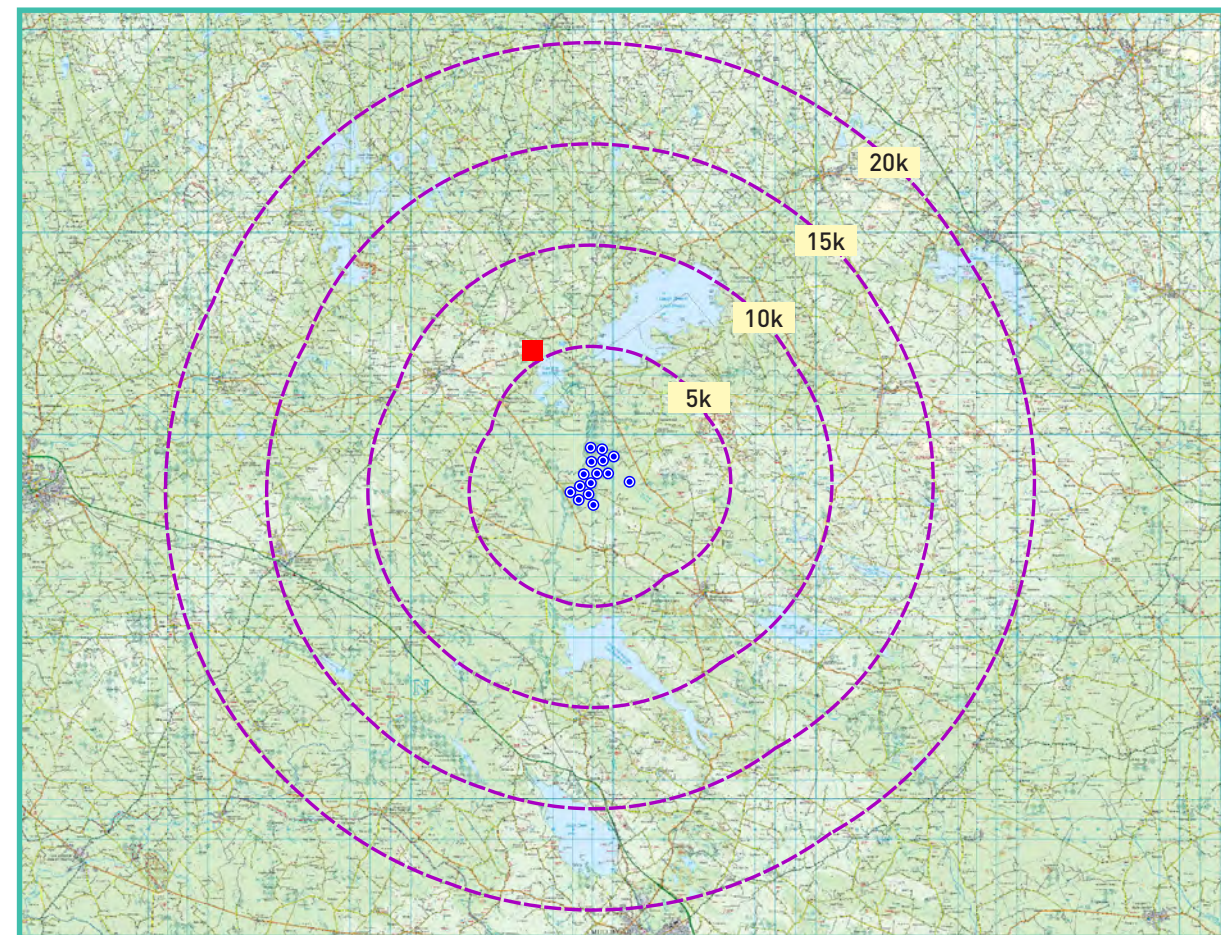
Ballywillin

View Point 5

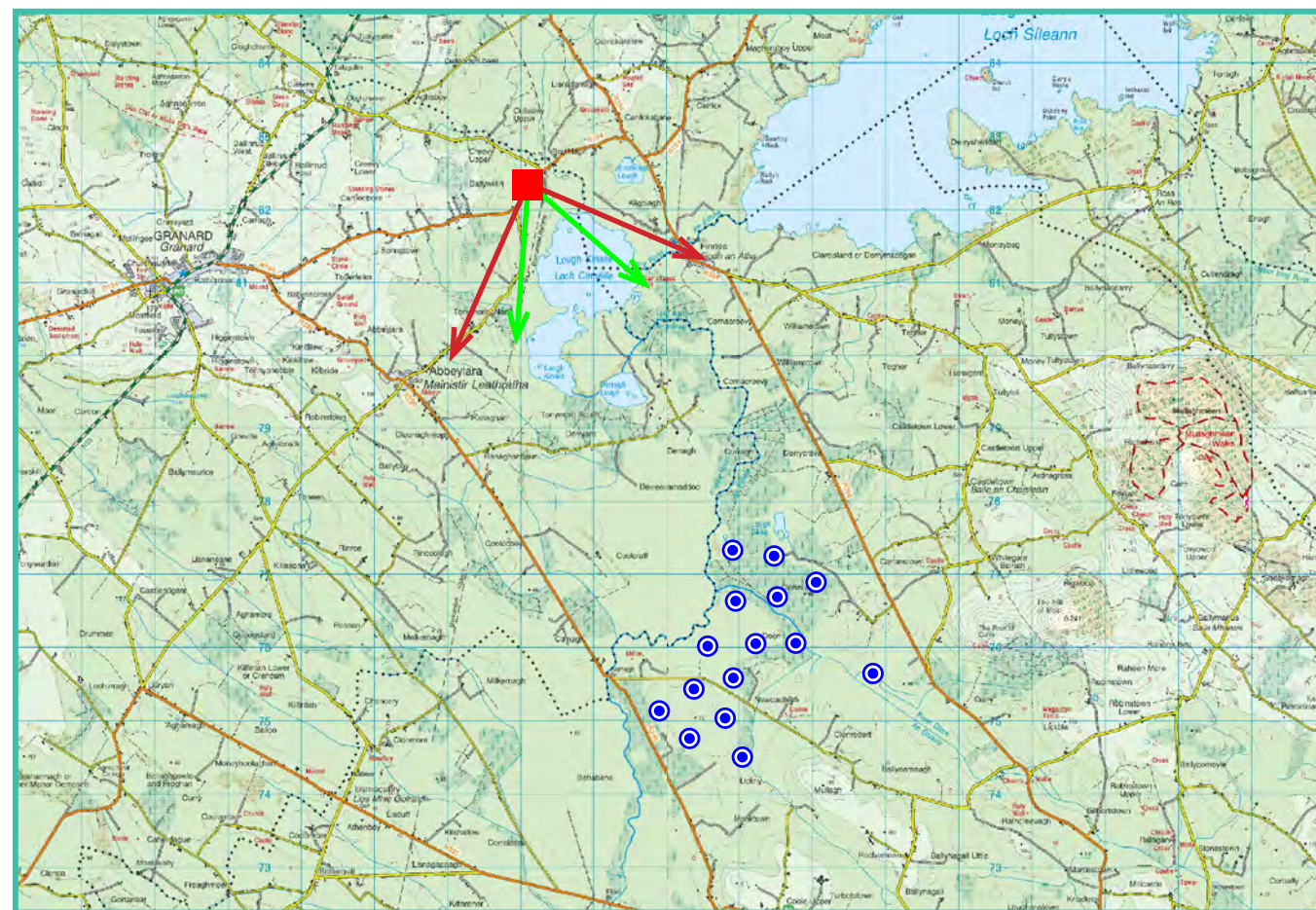
Photomontage 5

View Point: View from the Regional Road R194 in the townland of Ballywillin, approximately 5.6 kilometres northwest of the nearest turbine.

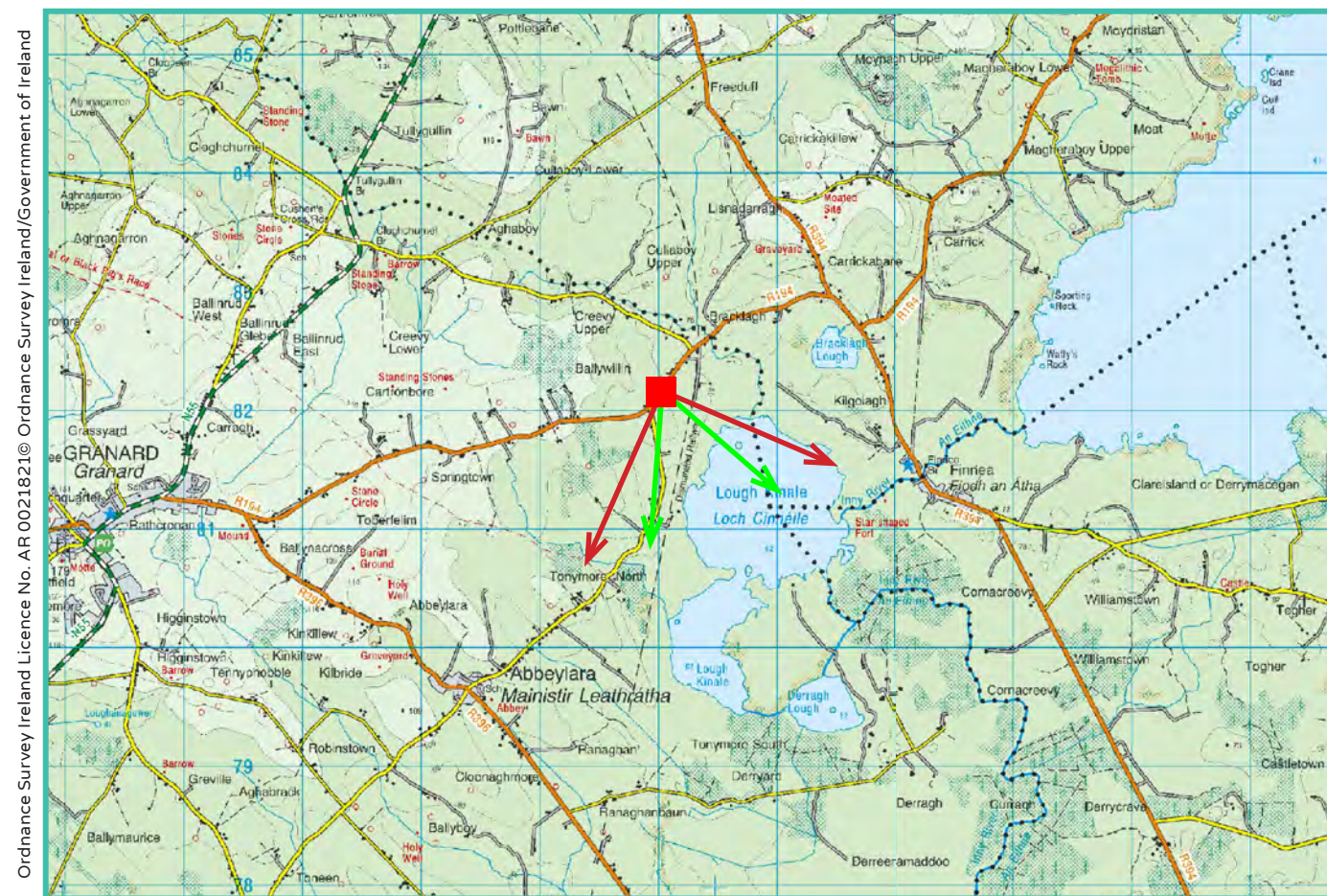
View point grid reference	238,055(E); 282,208(N)
Date of image taken	17.02.2016
Time of image taken	3.52pm
View point elevation	80m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	158°
Horizontal extent of proposed turbines	22°
Distance to nearest proposed turbine	5.6km (T1)
Number of proposed turbines visible	15/15
Turbine Hub Height	97.5m
Turbine Tip Height	175m
Turbine Rotor Diameter	155m
Camera	Canon EOS 600D with 1.5x sensor
Lens	35mm prime. Equivalent zoom range 52.5mm
Tripod	Manfrotto 190X extended to approx 1.65m.
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View point relative to 20km radius.



View point relative to wind farm site



Detail of view point location.

Map Legend

- Area shown in 90° view ↗
- Area shown in 53.5° view ↗
- View Point ■

Wireframe Legend

- Proposed Coole Wind Farm in Blue (15T)
- Permitted Coole Wind Farm in Green (13T)
- Existing Ballyjamesduff Wind Farm in Grey

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90° View Extent

Key Image at 120°

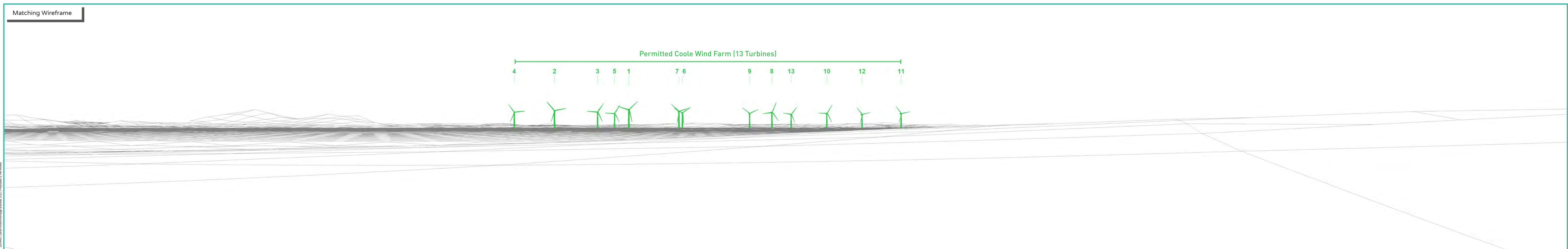


53.5° View Extent

Do-Nothing Scenario - Permitted Coole Wind Farm (13 Turbines) Photomontage at 90°

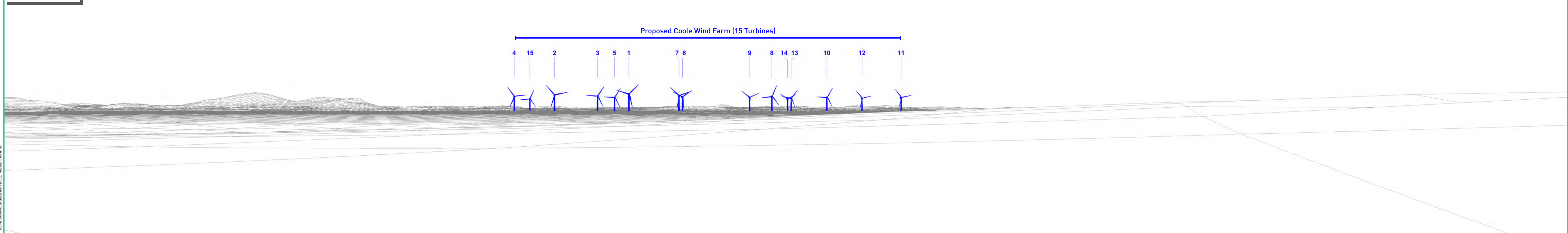


Matching Wireframe





Matching Wireframe

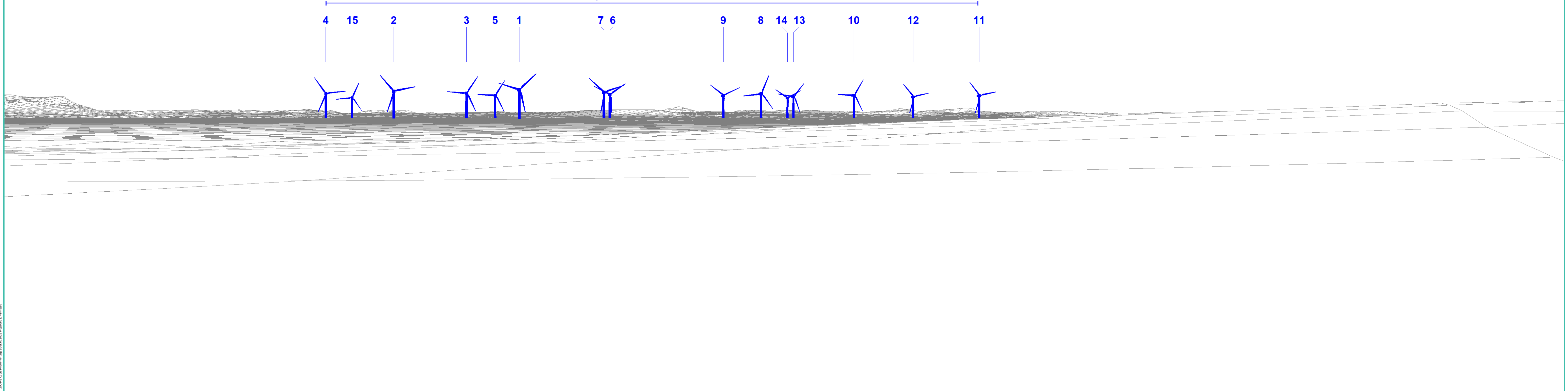


Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 53.5°



Matching Wireframe

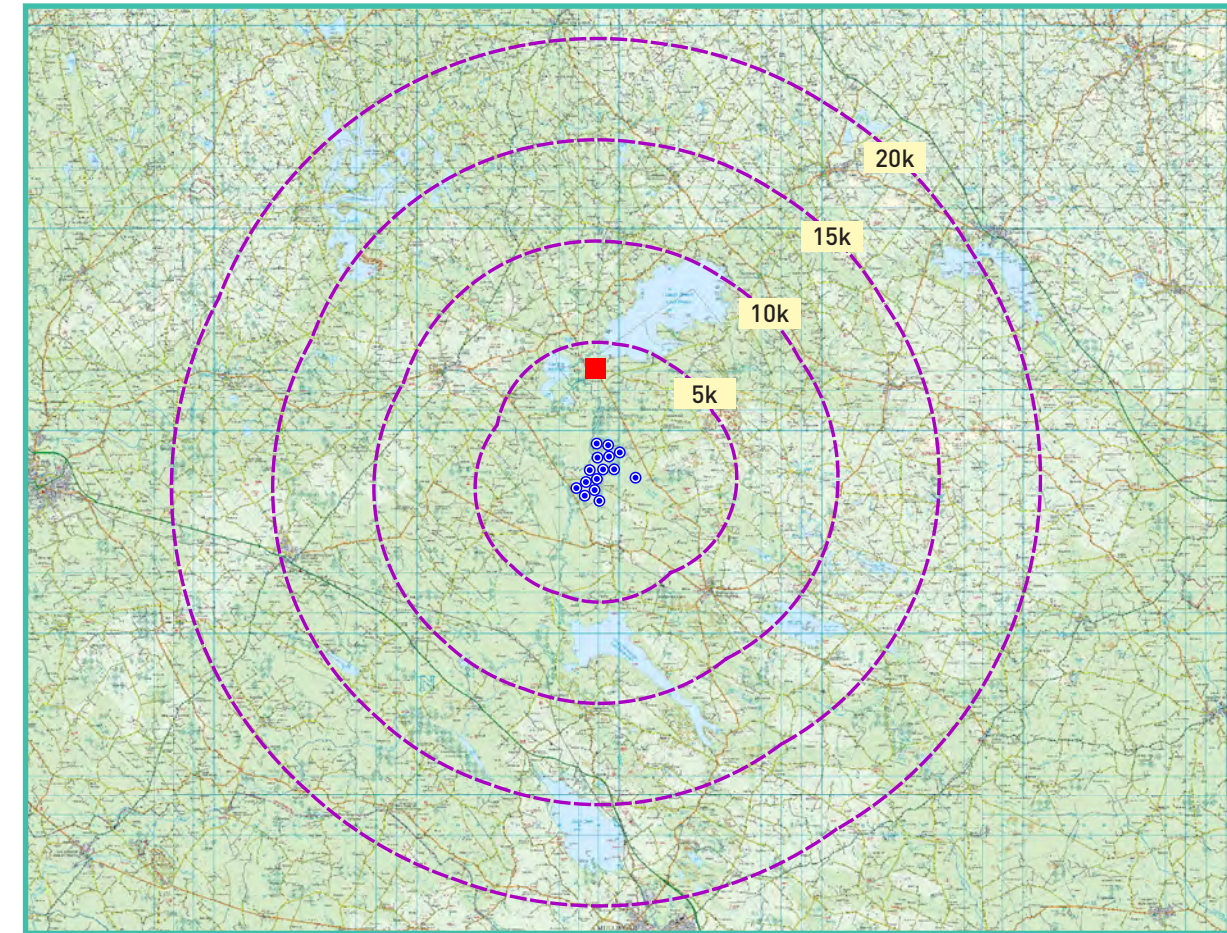
Proposed Coole Wind Farm (15 Turbines)



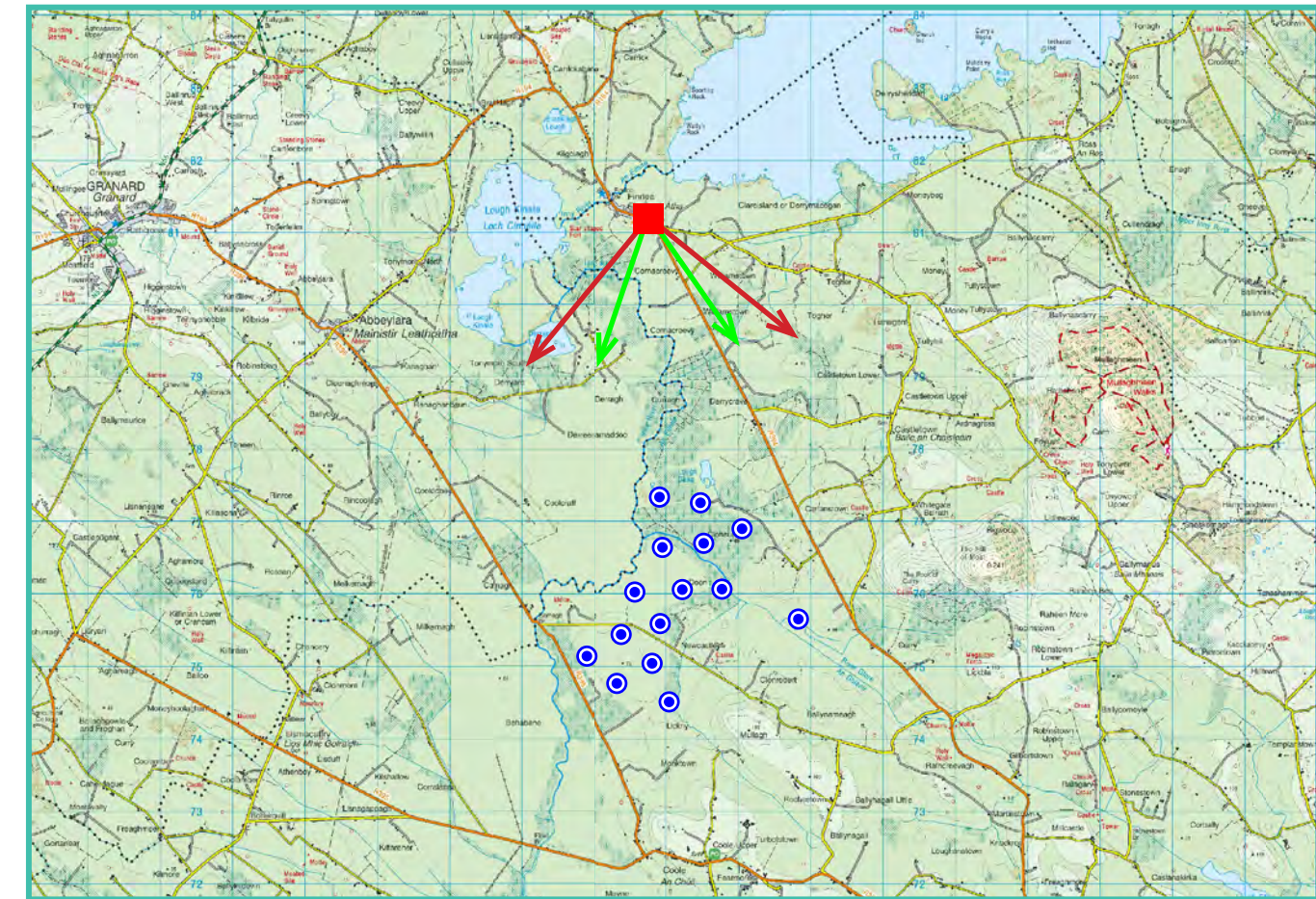
Photomontage 6

View Point: View from the R394 Regional Road in the townland of Finnea, approximately 3.8 kilometres north of the nearest proposed turbine.

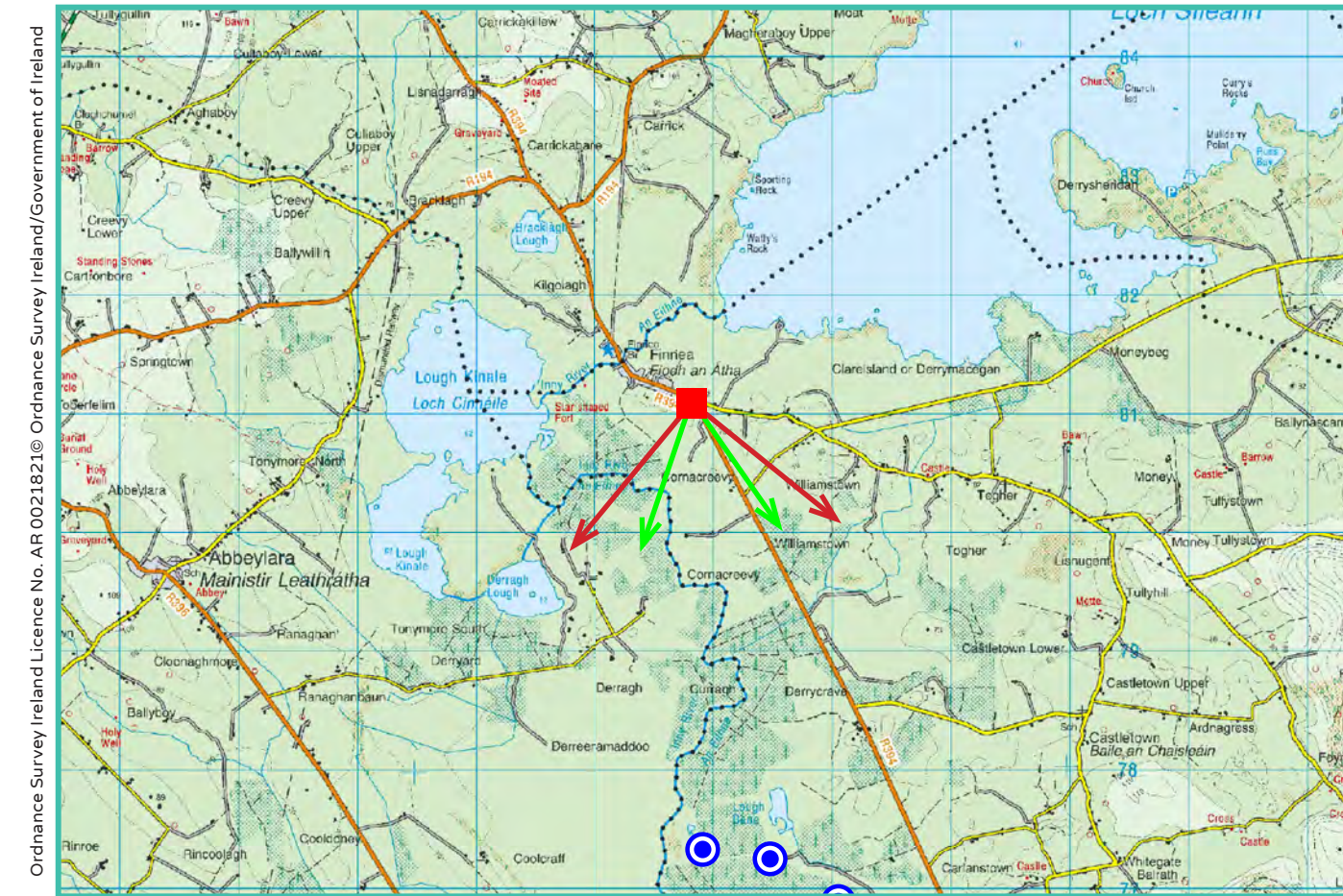
View point grid reference	240,842(E); 281,128(N)
Date of image taken	17.02.2016
Time of image taken	12.01pm
View point elevation	70m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	175°
Horizontal extent of proposed turbines	28°
Distance to nearest proposed turbine	3.8km (T1)
Number of proposed turbines visible	10/15
Turbine Hub Height	97.5m
Turbine Tip Height	175m
Turbine Rotor Diameter	155m
Camera	Canon EOS 600D with 1.5x sensor
Lens	35mm prime. Equivalent zoom range 52.5mm
Tripod	Manfrotto 190X extended to approx 1.65m.
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View point relative to 20km radius.



View point relative to wind farm site



Detail of view point location.

Map Legend

- Area shown in 90° view
- Area shown in 53.5° view
- View Point

Wireframe Legend

- Proposed Coole Wind Farm in Blue (15T)
- Permitted Coole Wind Farm in Green (13T)
- Existing Ballyjamesduff Wind Farm in Grey

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 MKO
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 E-mail: info@mkofireland.ie
 Website: www.mkofireland.ie



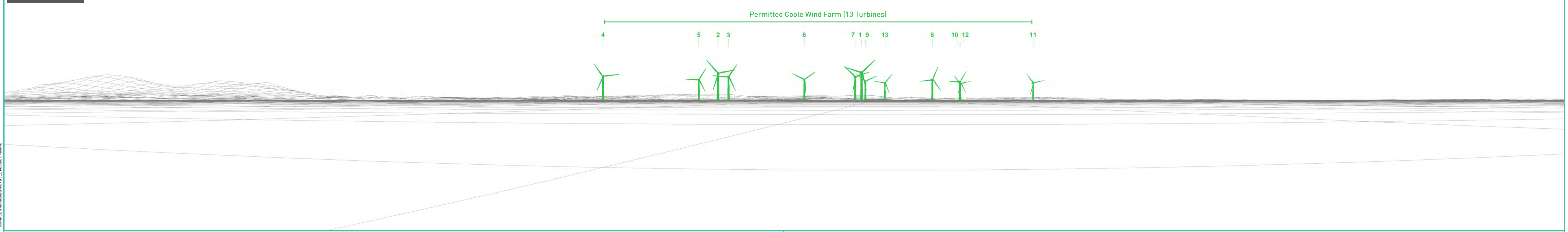

Key Image at 120°



53.5° View Extent

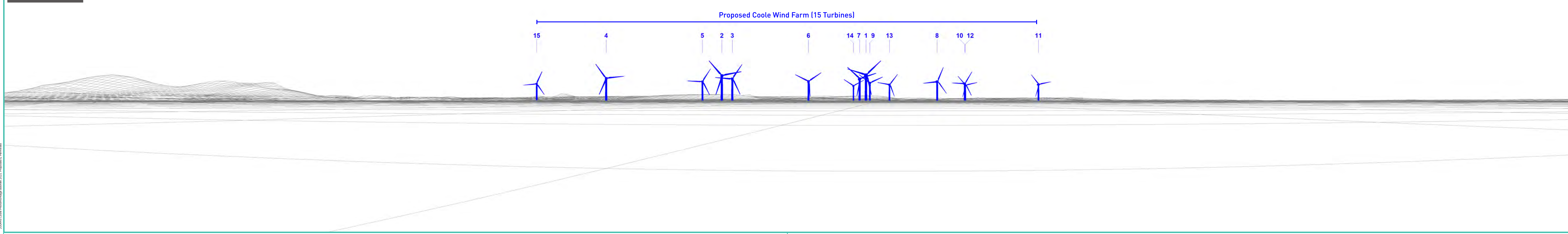


Matching Wireframe





Matching Wireframe



Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 53.5°



Matching Wireframe

Proposed Coole Wind Farm (15 Turbines)

15

4

5

2

3

6

14

7

1

9

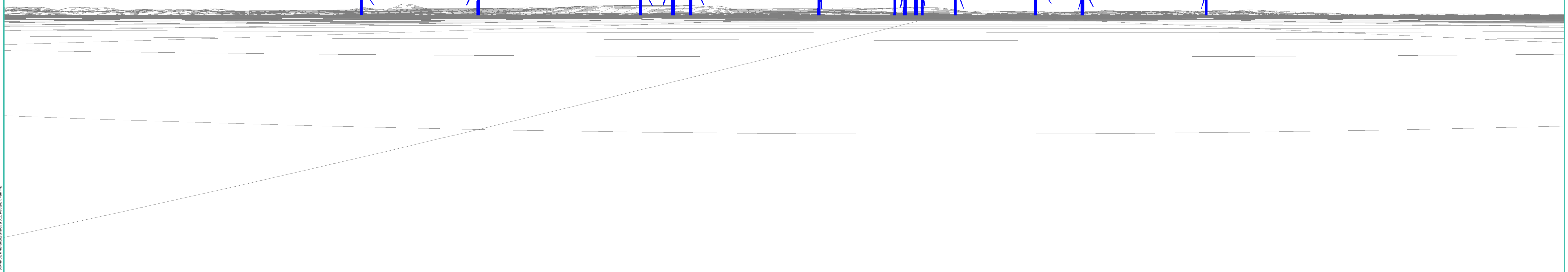
13

8

10

12

11



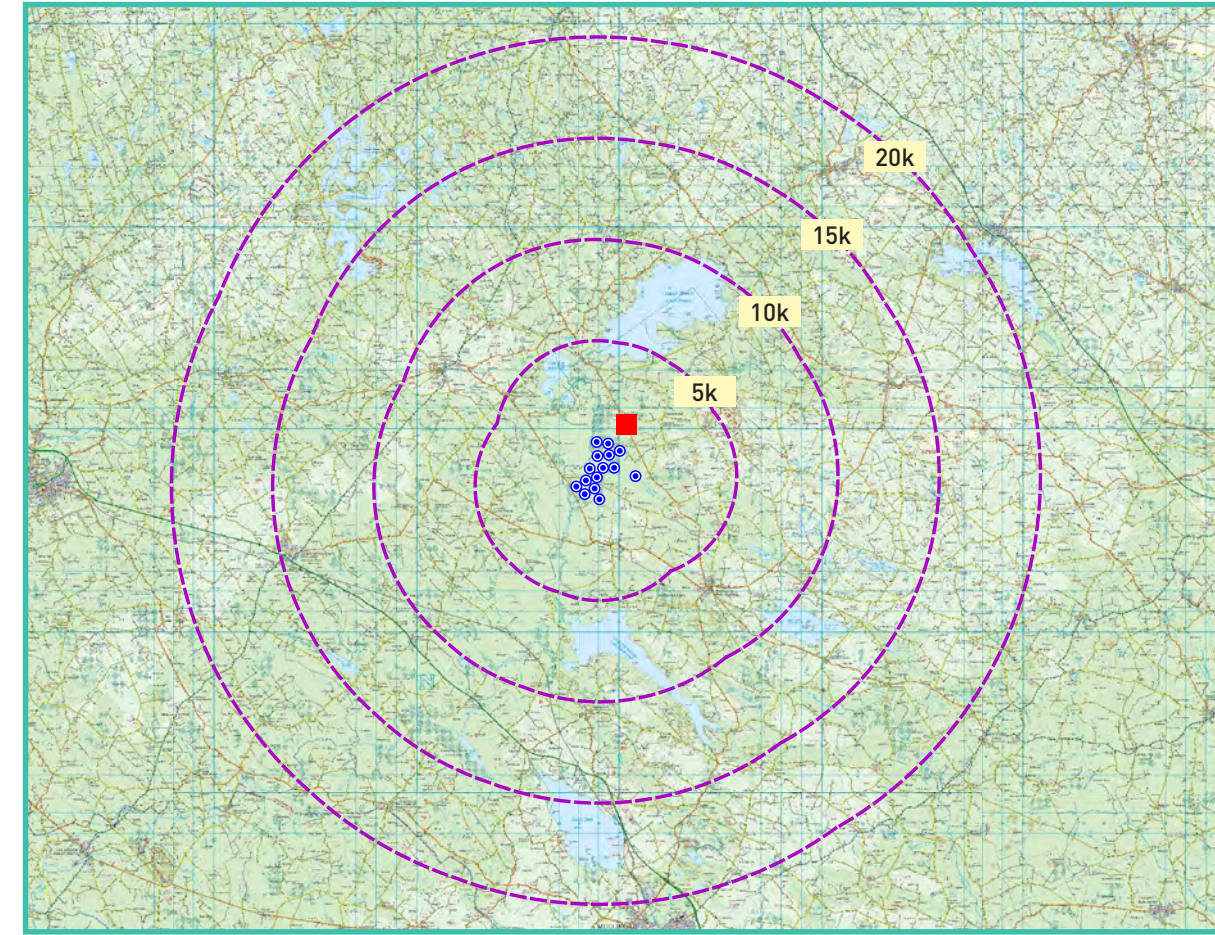
View Point 7

Carlanstown

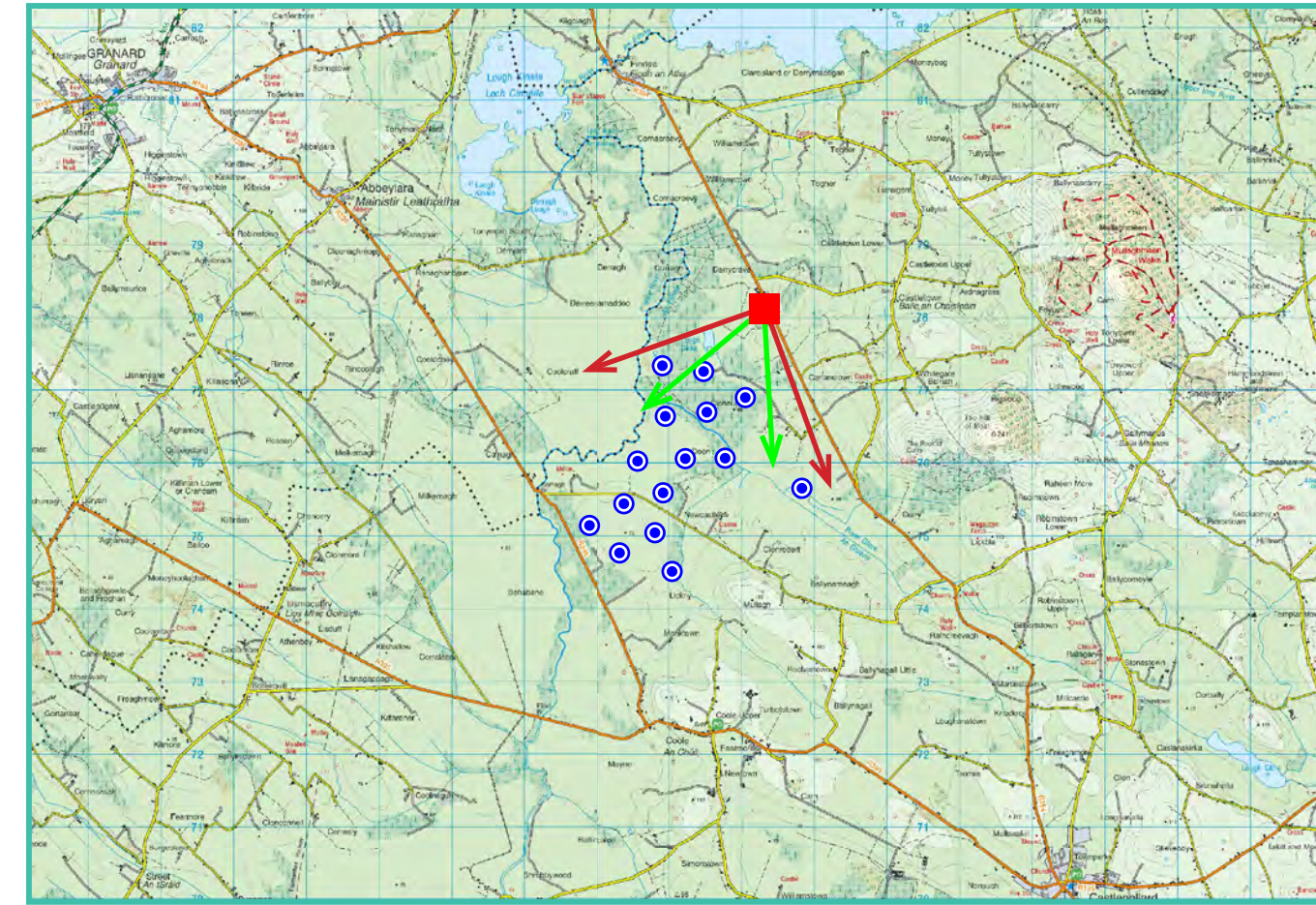
Photomontage 7

View Point: View from Regional Road R394 in the townland of Carlanstown approximately 1.27 kilometres northeast of the nearest turbine.

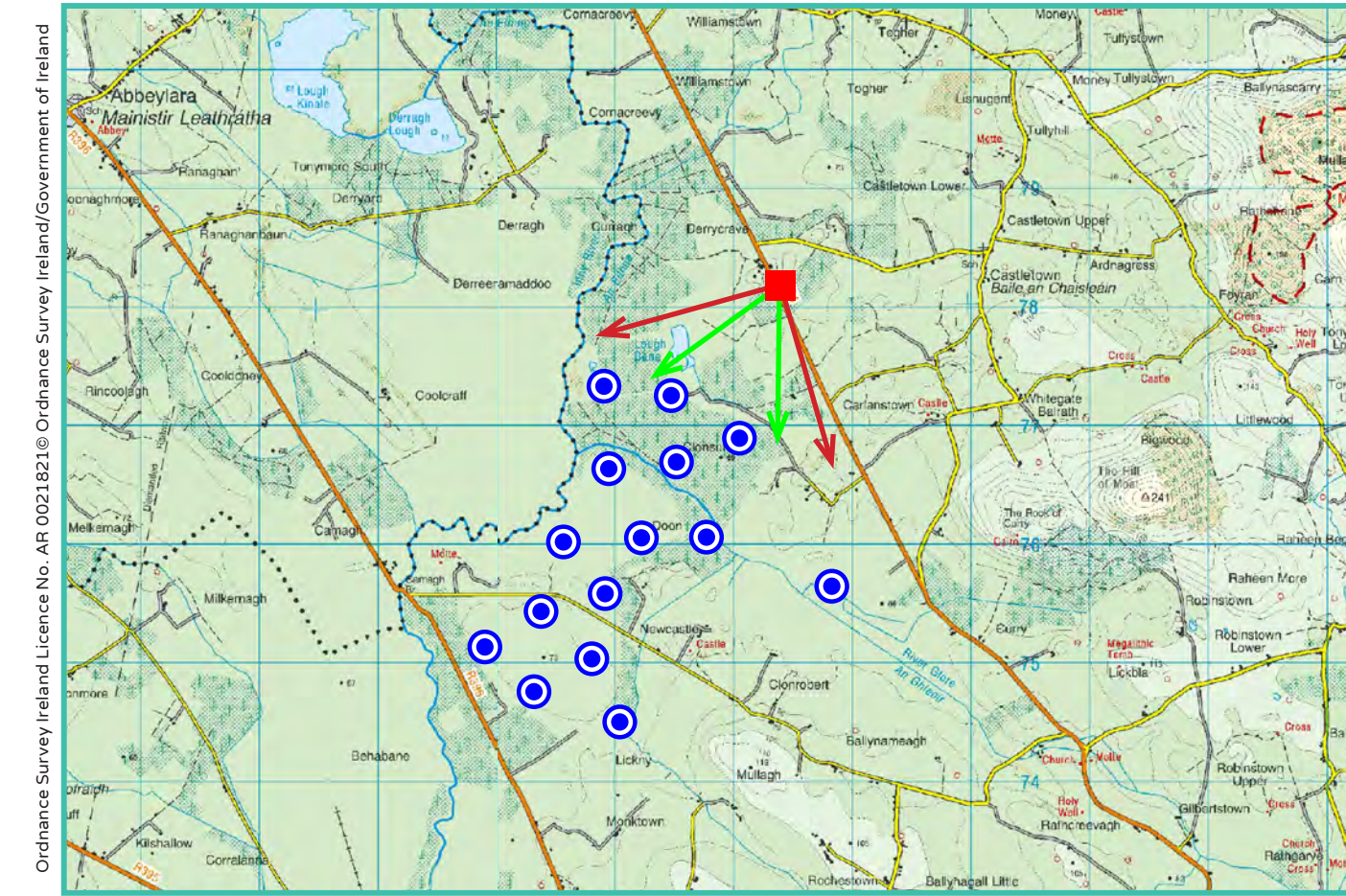
View point grid reference	242,372(E); 278,137(N)
Date of image taken	05.02.2017
Time of image taken	11.16pm
View point elevation	70m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	205°
Horizontal extent of proposed turbines	73°
Distance to nearest proposed turbine	1.27km (T2)
Number of proposed turbines visible	15/15
Turbine Hub Height	97.5m
Turbine Tip Height	175m
Turbine Rotor Diameter	155m
Camera	Canon EOS 600D with 1.5x sensor
Lens	35mm prime. Equivalent zoom range 52.5mm
Tripod	Manfrotto 190X extended to approx 1.65m.
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View point relative to 20km radius.



View point relative to wind farm site



Detail of view point location.

Map Legend

- Area shown in 90° view
- Area shown in 53.5° view
- View Point

Wireframe Legend

- Proposed Coole Wind Farm in Blue (15T)
- Permitted Coole Wind Farm in Green (13T)
- Existing Ballyjamesduff Wind Farm in Grey

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E-mail: info@mkofireland.ie
Website: www.mkofireland.ie



90° View Extent

Key Image at 120°

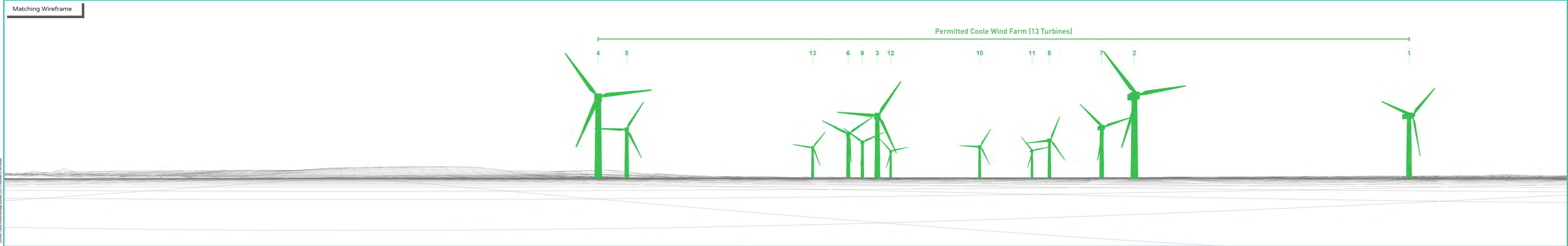


53.5° View Extent

Do-Nothing Scenario - Permitted Coole Wind Farm (13 Turbines) Photomontage at 90°



Matching Wireframe



Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 90°



Matching Wireframe

Proposed Coole Wind Farm (15 Turbines)

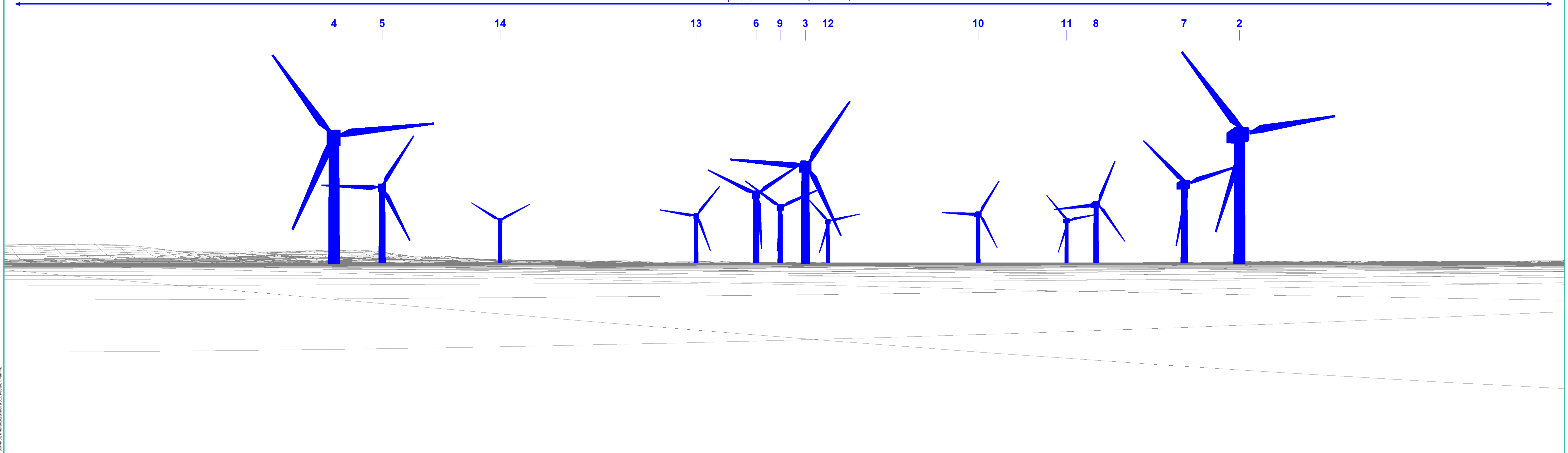


Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 53.5°



Matching Wireframe

Proposed Coole Wind Farm (15 Turbines)



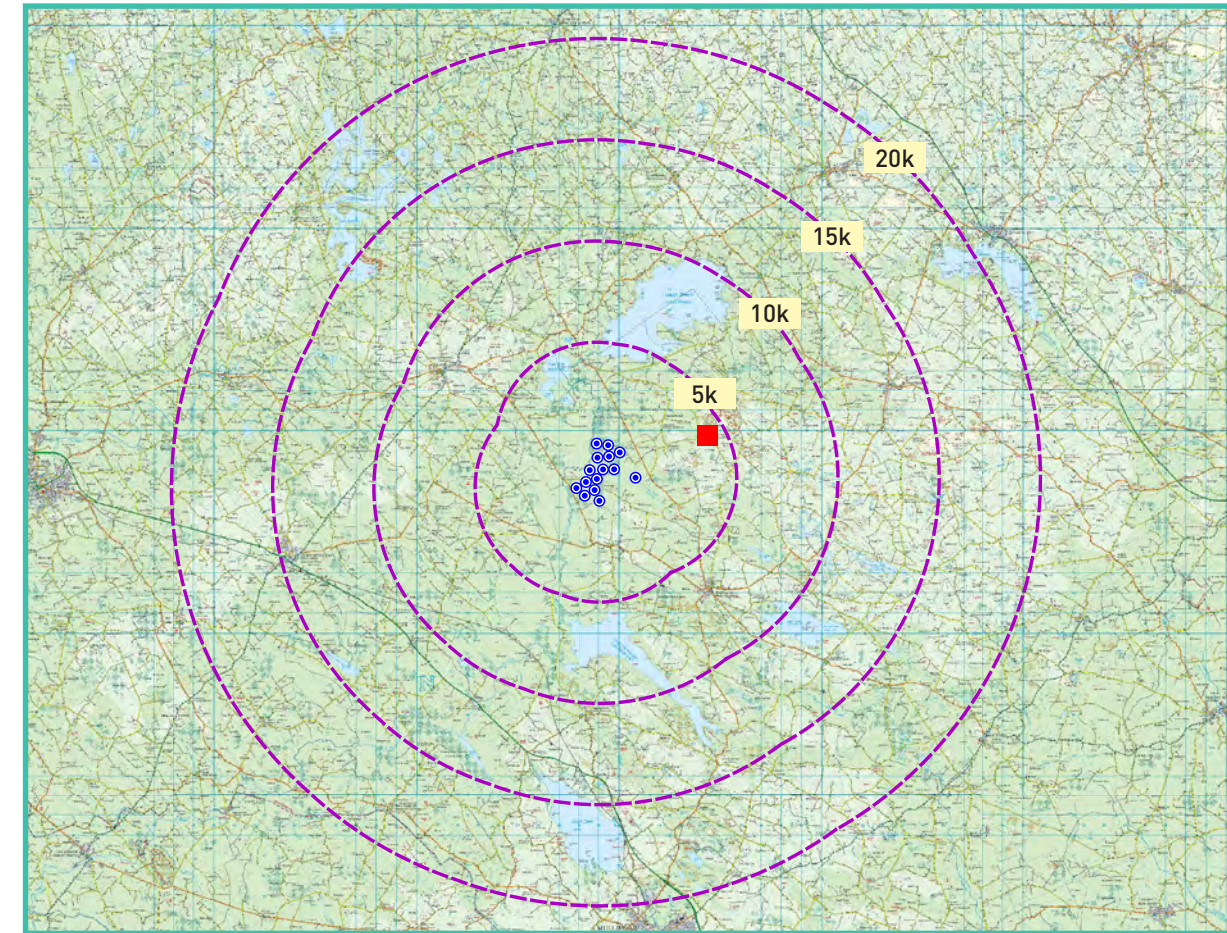
View Point 8

Littlewood

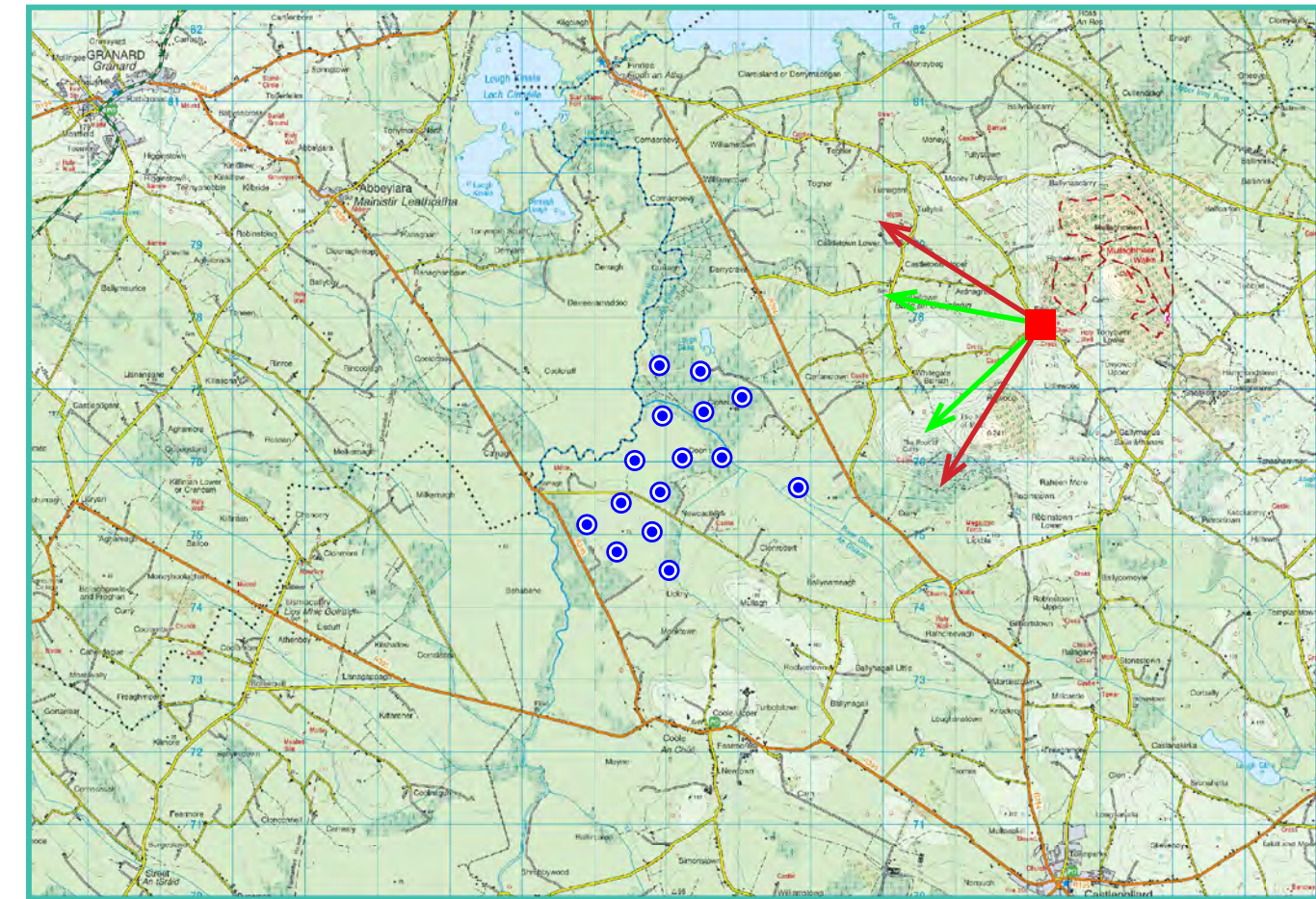
Photomontage 8

View Point: View from the local road in the townland of Littlewood, in the vicinity of Protected view 51, approximately 4.1 km east of the nearest turbine.

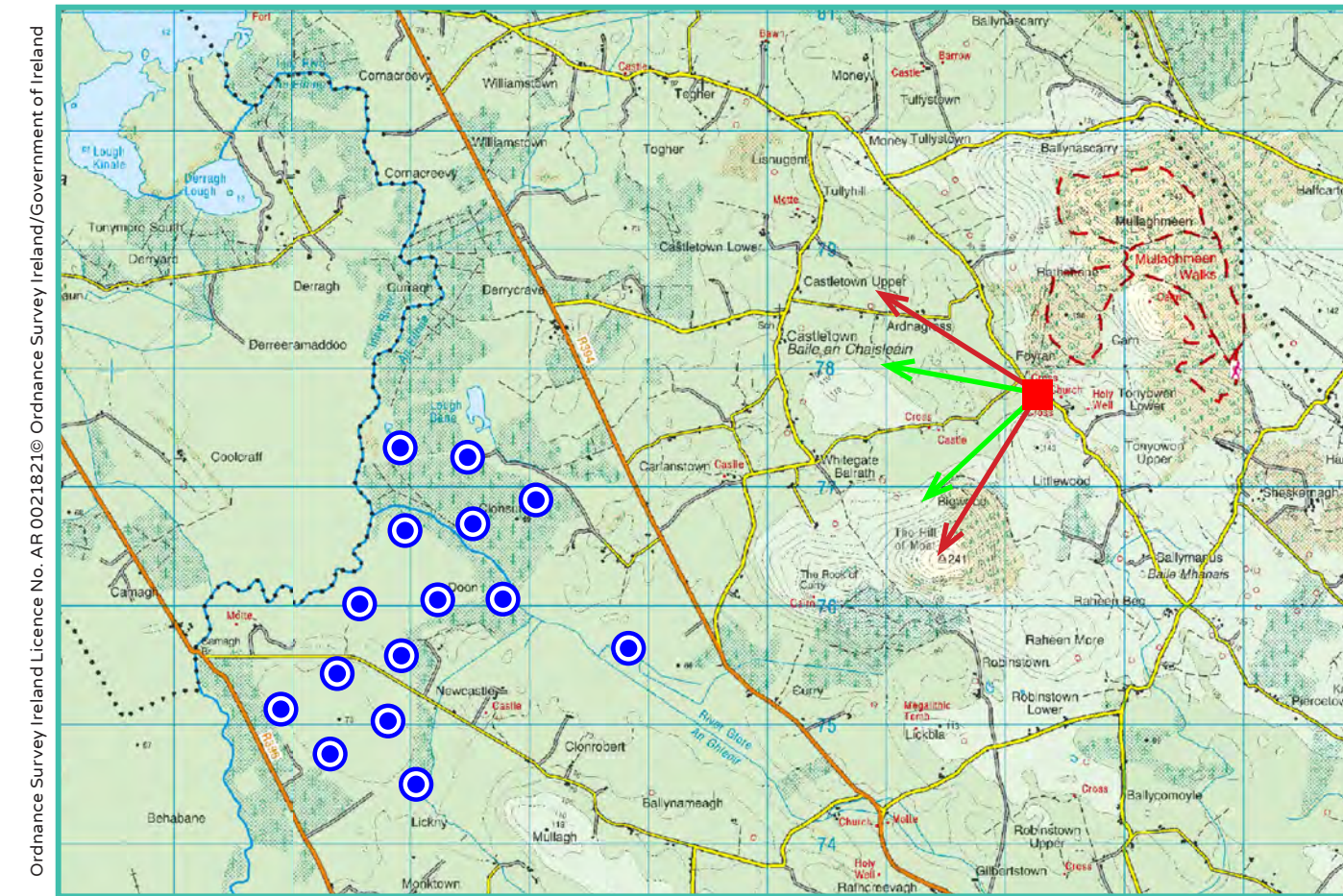
View point grid reference	246,436(E); 277,686(N)
Date of image taken	14.11.2016
Time of image taken	17.03pm
View point elevation	97m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	257°
Horizontal extent of proposed turbines	27°
Distance to nearest proposed turbine	4.1km (T15)
Number of proposed turbines visible	2/15
Turbine Hub Height	97.5m
Turbine Tip Height	175m
Turbine Rotor Diameter	155m
Camera	Canon EOS 600D with 1.5x sensor
Lens	35mm prime. Equivalent zoom range 52.5mm
Tripod	Manfrotto 190X extended to approx 1.65m.
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View point relative to 20km radius.



View point relative to wind farm site



Detail of view point location.

Map Legend

- Area shown in 90° view
- Area shown in 53.5° view
- View Point

Wireframe Legend

- Proposed Coole Wind Farm in Blue (15T)
- Permitted Coole Wind Farm in Green (13T)
- Existing Ballyjamesduff Wind Farm in Grey

Prepared by

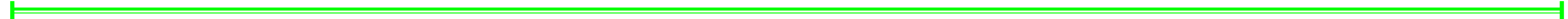
MKO
 Planning & Environmental Consultants
 Tuam Road, Galway.
 Tel: (091) 73 56 11
 E-mail: info@mkofireland.ie
 Website: www.mkofireland.ie



90° View Extent



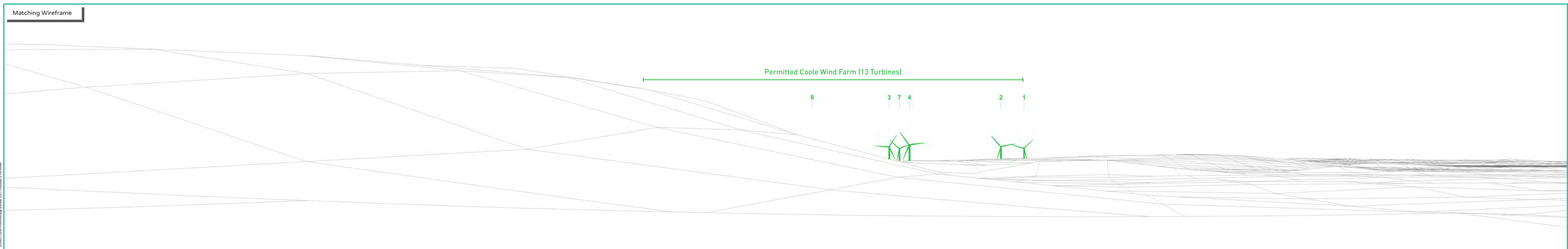
53.5° View Extent



Do-Nothing Scenario - Permitted Coole Wind Farm (13 Turbines) Photomontage at 90°



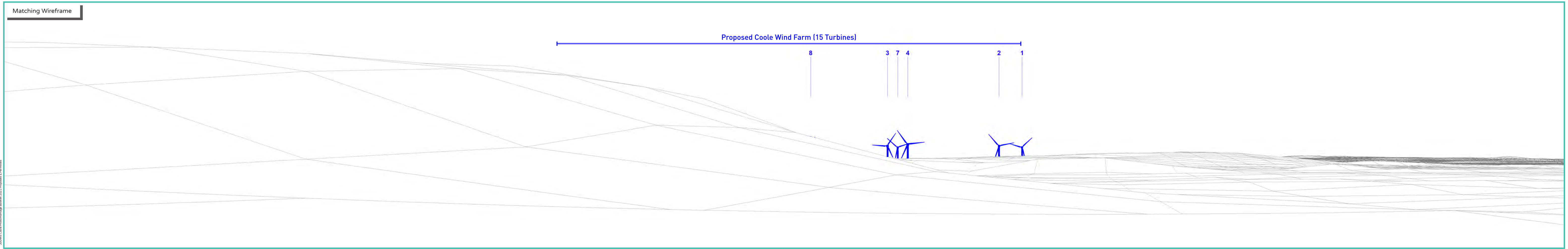
Matching Wireframe



Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 90°



Matching Wireframe



Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 53.5°



Matching Wireframe

Proposed Coole Wind Farm (15 Turbines)

8

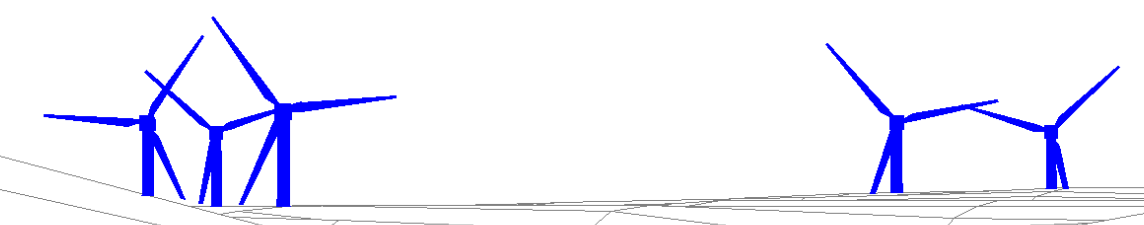
3

7

4

2

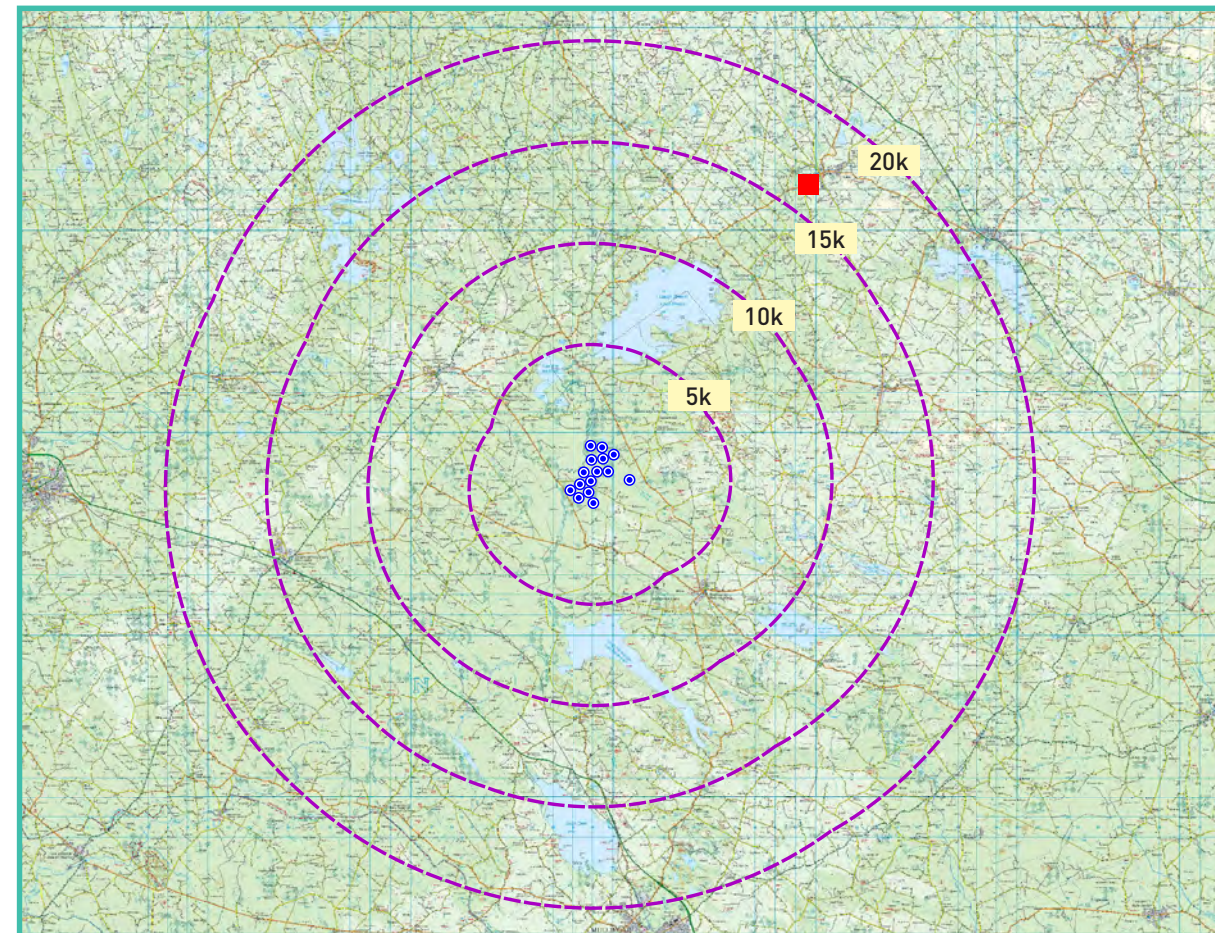
1



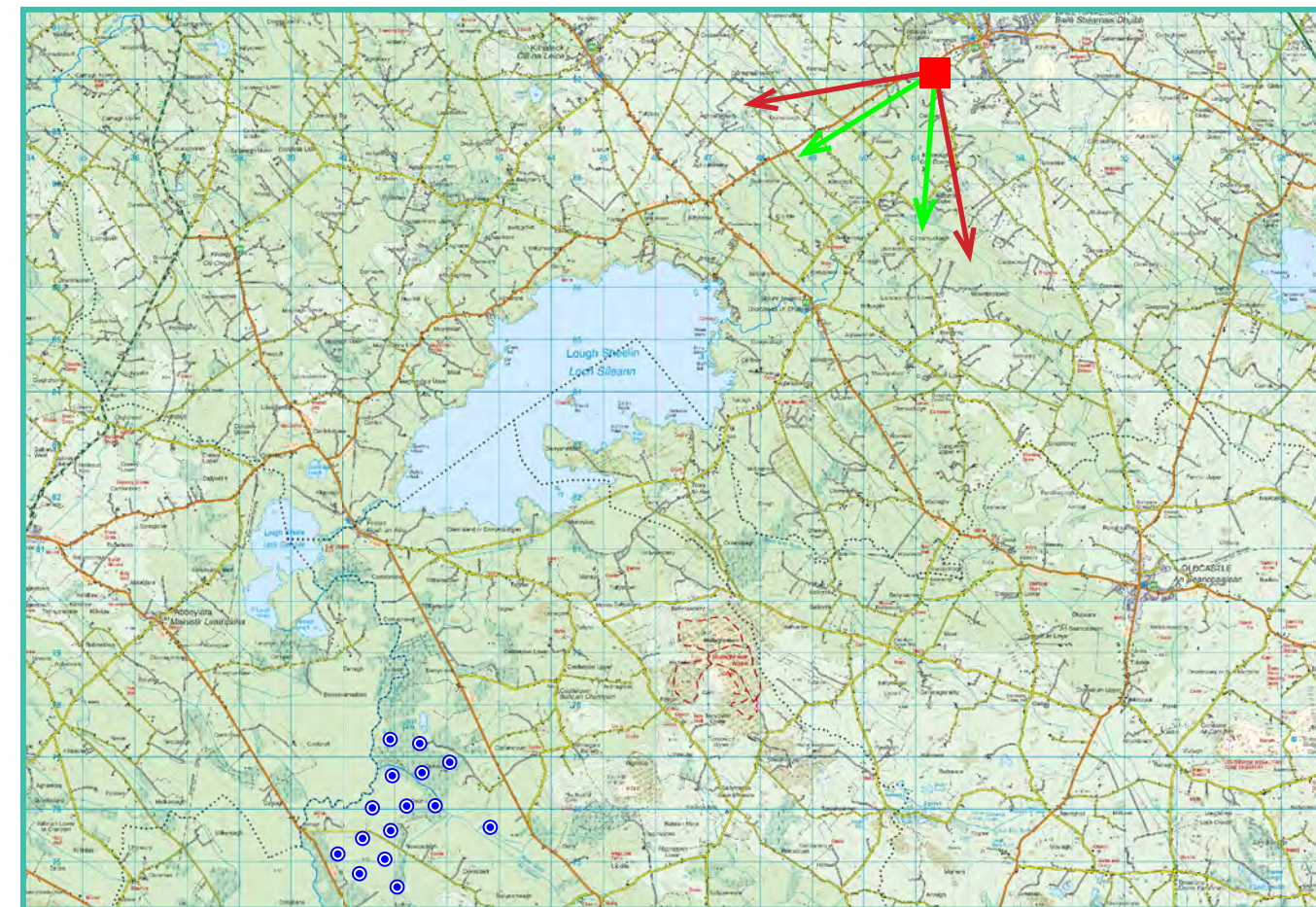
Photomontage 9

View Point: View from the local road in the townland of Ramonan, approximately 16.5 km north of the nearest turbine.

View point grid reference	251,631(E); 290,279(N)
Date of image taken	17.02.2021
Time of image taken	9.38am
View point elevation	111m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	215°
Horizontal extent of proposed turbines	9°
Distance to nearest proposed turbine	16.5km (T4)
Number of proposed turbines visible	15/15
Turbine Hub Height	97.5m
Turbine Tip Height	175m
Turbine Rotor Diameter	155m
Camera	Canon EOS 600D with 1.5x sensor
Lens	35mm prime. Equivalent zoom range 52.5mm
Tripod	Manfrotto 190X extended to approx 1.65m.
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View point relative to 20km radius.



View point relative to wind farm site



Detail of view point location.

Map Legend

Area shown in 90° view



Area shown in 53.5° view



View Point



Wireframe Legend

Proposed Coole Wind Farm in Blue (15T)

Permitted Coole Wind Farm in Green (13T)

Existing Ballyjamesduff Wind Farm in Grey

Prepared by

MKO
Planning & Environmental Consultants
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Website: www.mkofireland.ie



90° View Extent

Key Image at 120°

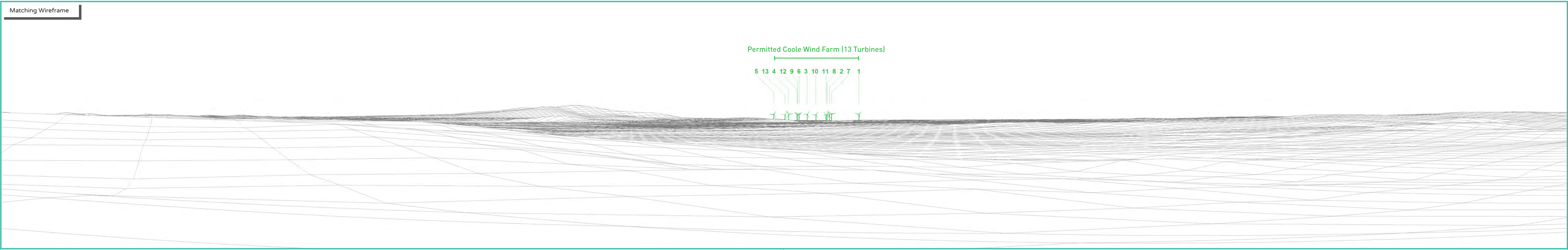


53.5° View Extent

Do-Nothing Scenario - Permitted Coole Wind Farm (13 Turbines) Photomontage at 90°



Matching Wireframe



Permitted Coole Wind Farm (13 Turbines)



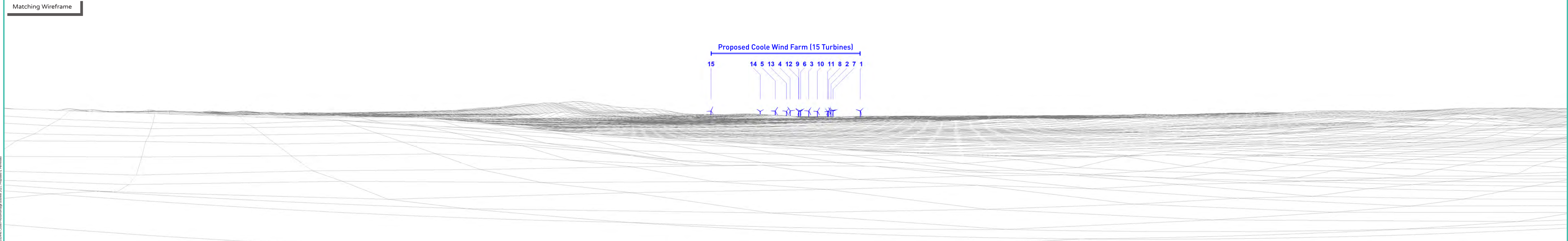
5 13 4 12 9 6 3 10 11 8 2 7 1



Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 90°



Matching Wireframe

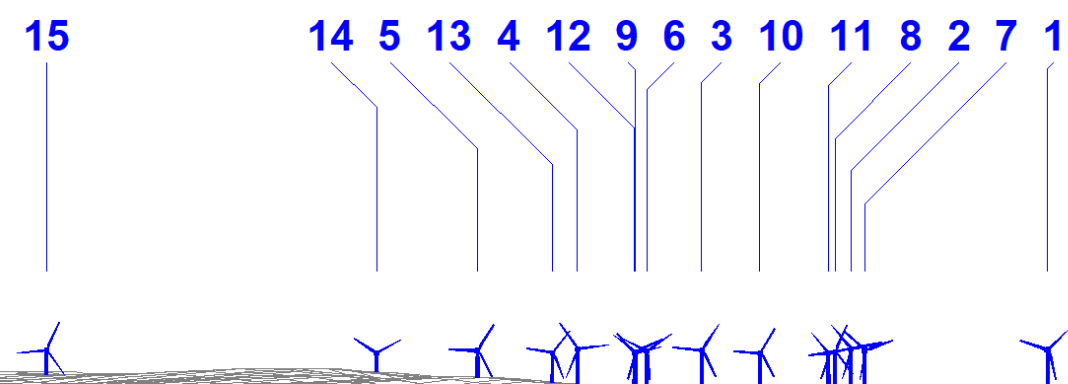


Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 53.5°



Matching Wireframe

Proposed Coole Wind Farm (15 Turbines)



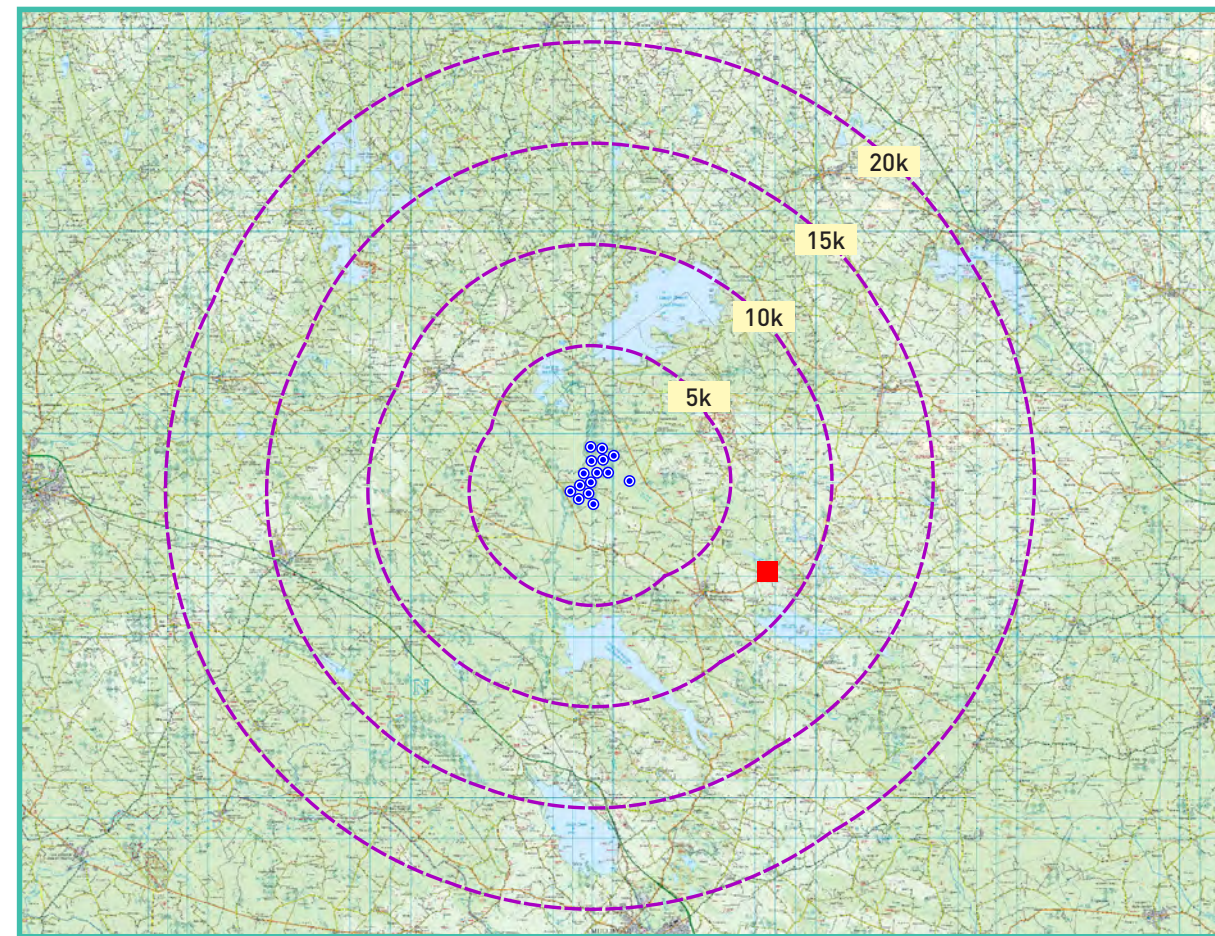
View Point 10

Lakill

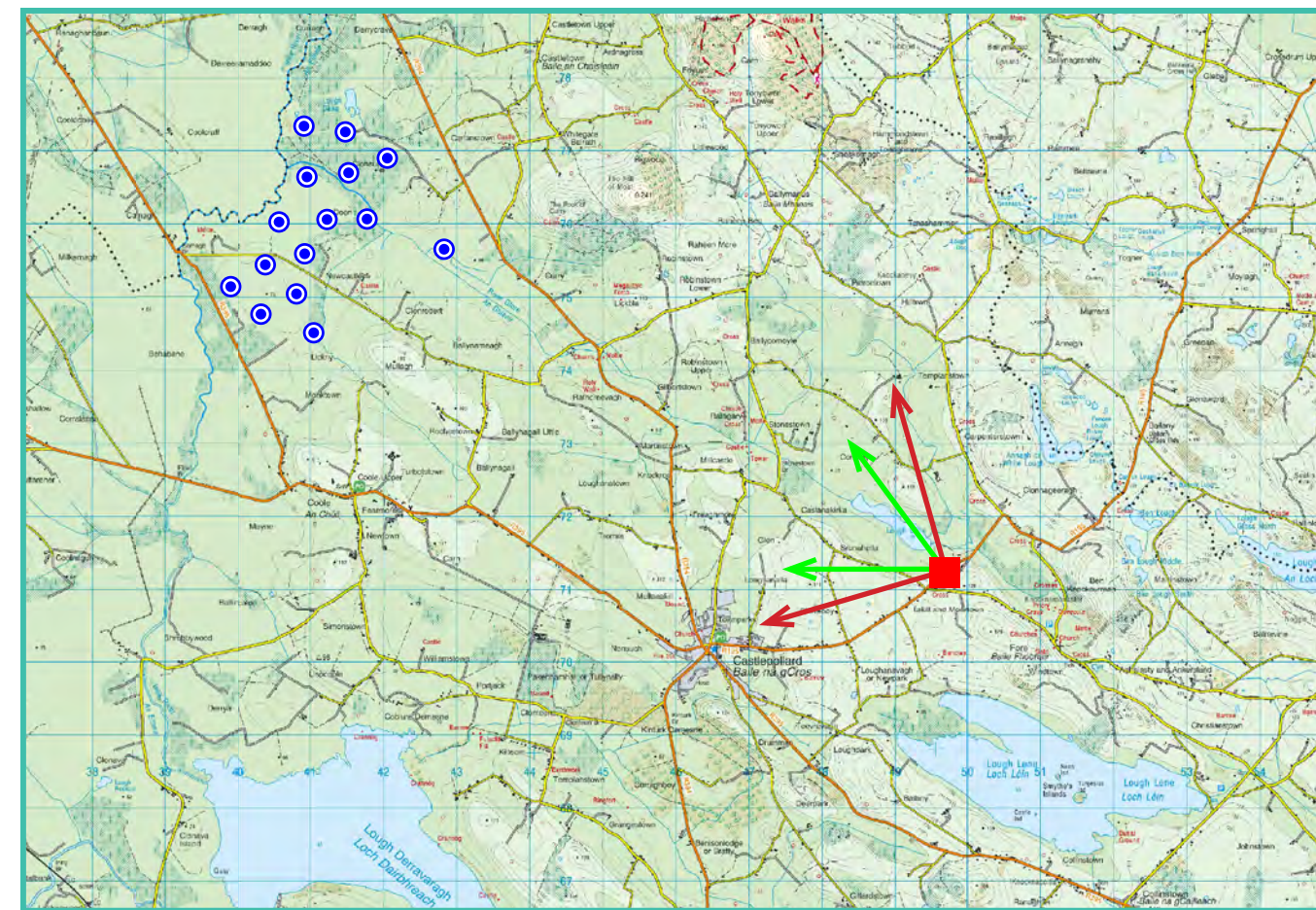
Photomontage 10

View Point: View from protected view on Regional road R195 in the townland of Lakill, looking towards Lough Glore, approximately 8.1km southeast of the nearest turbine.

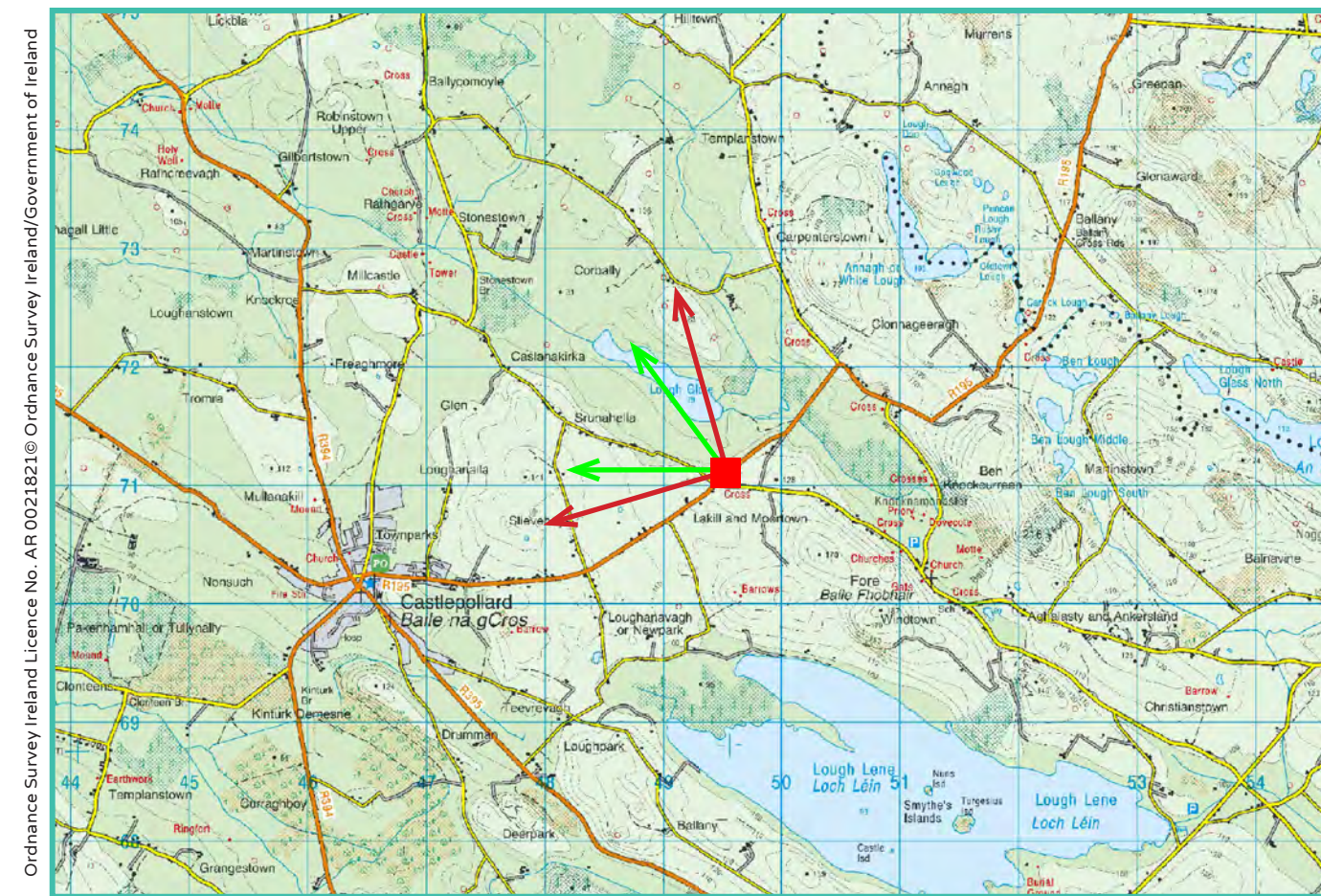
View point grid reference	249,639(E); 271,186(N)
Date of image taken	22.01.2021
Time of image taken	1:03pm
View point elevation	101m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	299°
Horizontal extent of proposed turbines	16°
Distance to nearest proposed turbine	8.1km (T15)
Number of proposed turbines visible	15/15
Turbine Hub Height	97.5m
Turbine Tip Height	175m
Turbine Rotor Diameter	155m
Camera	Canon EOS 600D with 1.5x sensor
Lens	35mm prime. Equivalent zoom range 52.5mm
Tripod	Manfrotto 190X extended to approx 1.65m.
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View point relative to 20km radius.



View point relative to wind farm site



Detail of view point location.

Map Legend

- Area shown in 90° view
- Area shown in 53.5° view
- View Point

Wireframe Legend

- Proposed Coole Wind Farm in Blue (15T)
- Permitted Coole Wind Farm in Green (13T)
- Existing Ballyjamesduff Wind Farm in Grey

Prepared by

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Website: www.mkoireland.ie



90° View Extent

Key Image at 120°

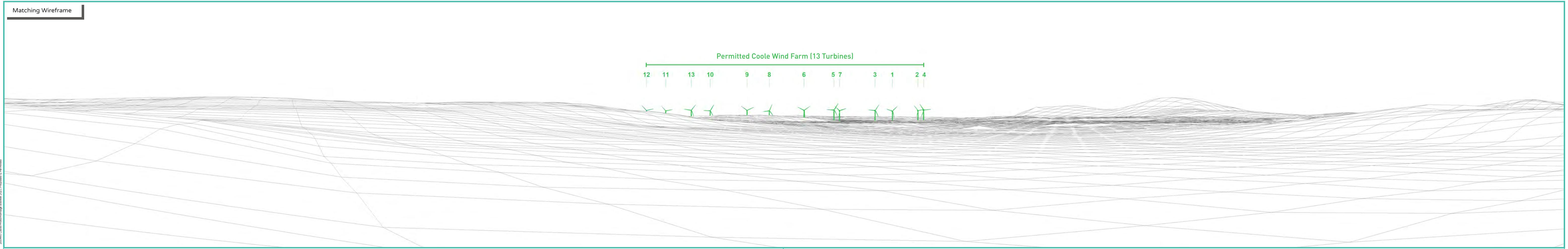


53.5° View Extent

Do-Nothing Scenario - Permitted Coole Wind Farm (13 Turbines) Photomontage at 90°



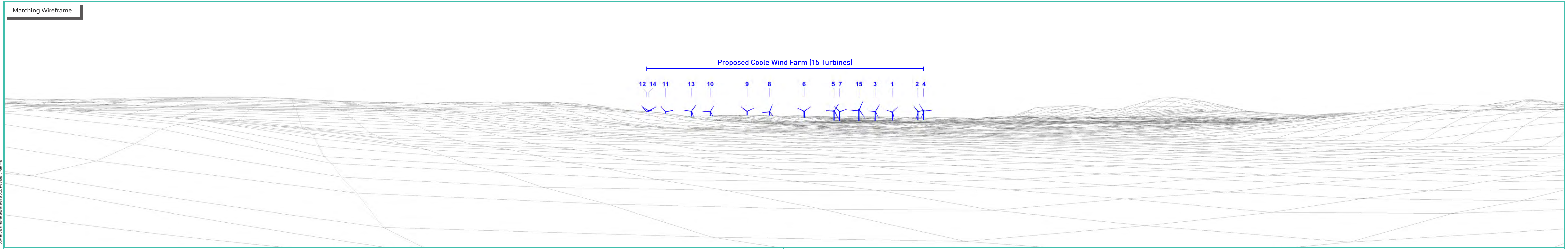
Matching Wireframe



Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 90°



Matching Wireframe

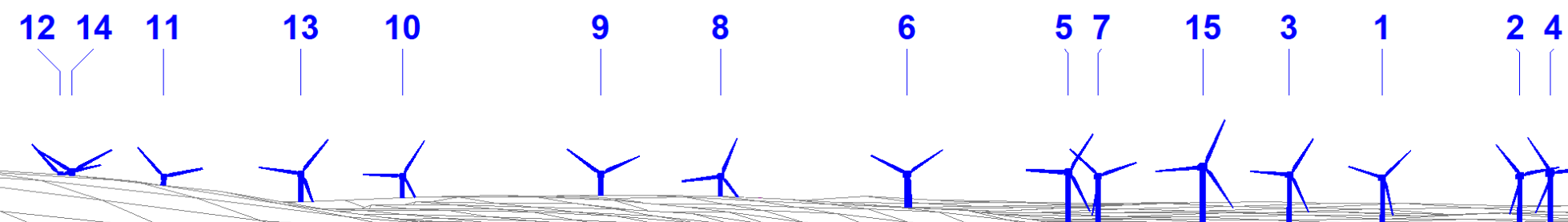


Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 53.5°



Matching Wireframe

Proposed Coole Wind Farm (15 Turbines)



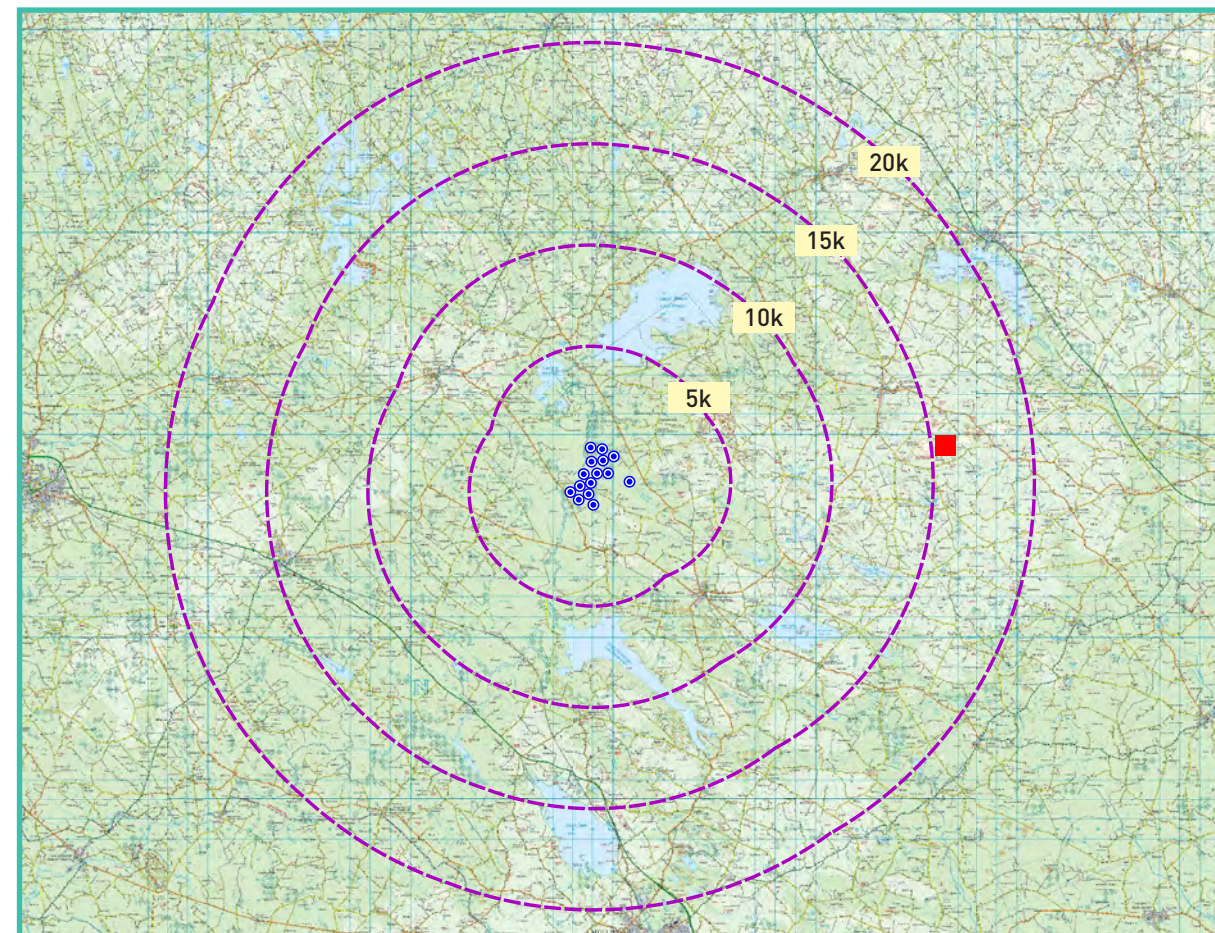
View Point 11

Corstown

Photomontage 11

View Point: View from Sliabh na Cailliagh (Lough Crew) a National Monument & protected view, in the townland of Corstown, approximately 15.9 km east of the nearest turbine.

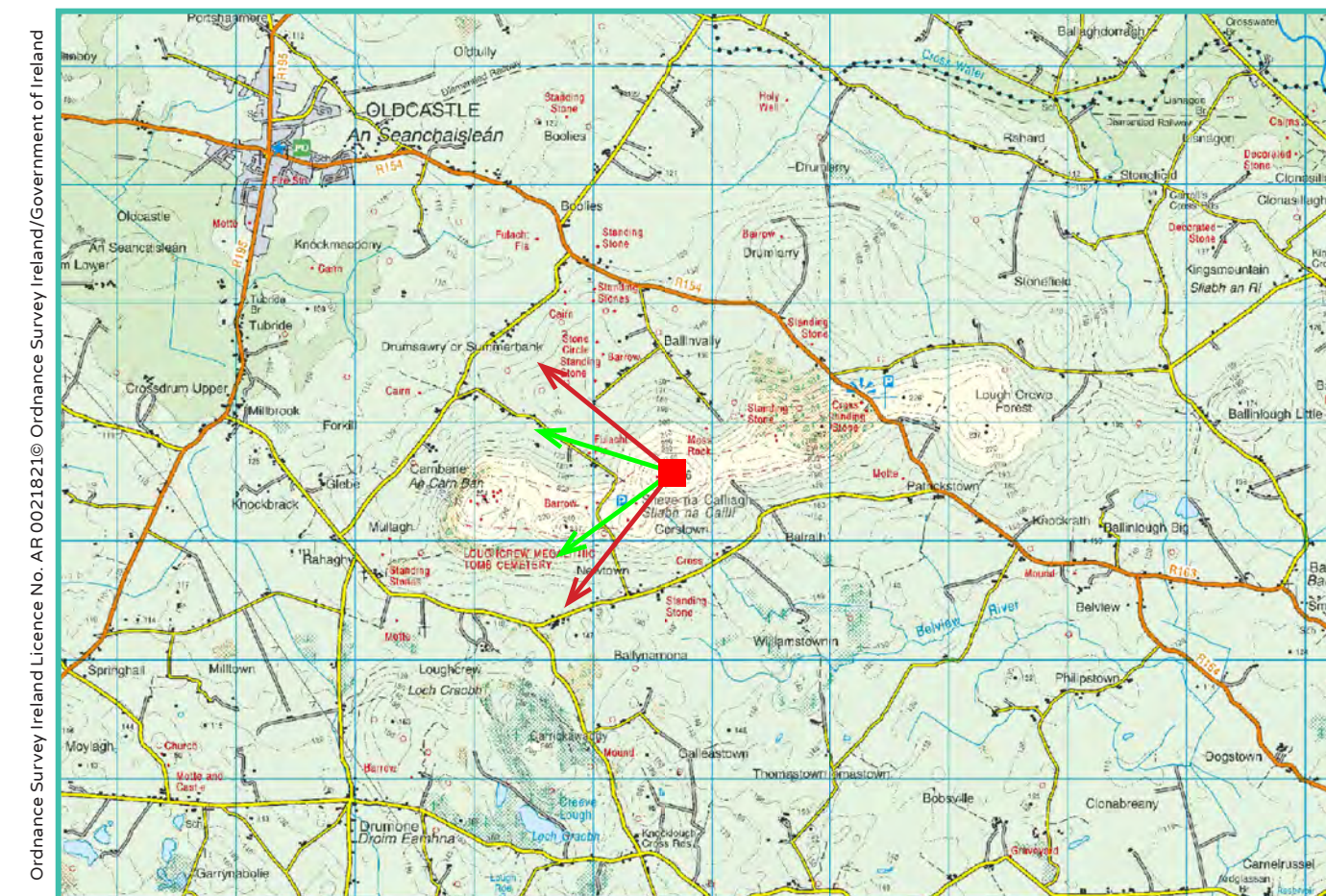
View point grid reference	258,614(E); 277,576(N)
Date of image taken	22.01.2021
Time of image taken	12:26pm
View point elevation	268m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	264°
Horizontal extent of proposed turbines	9°
Distance to nearest proposed turbine	15.9km (T15)
Number of proposed turbines visible	12/15
Turbine Hub Height	97.5m
Turbine Tip Height	175m
Turbine Rotor Diameter	155m
Camera	Canon EOS 600D with 1.5x sensor
Lens	35mm prime. Equivalent zoom range 52.5mm
Tripod	Manfrotto 190X extended to approx 1.65m.
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View point relative to 20km radius.



View point relative to wind farm site



Detail of view point location.

Map Legend

Area shown in 90° view

Area shown in 53.5° view

View Point

Wireframe Legend

Proposed Coole Wind Farm in Blue (15T)

Permitted Coole Wind Farm in Green (13T)

Existing Ballyjamesduff Wind Farm in Grey

Prepared by

MKO
Planning & Environmental Consultants
Tuam Road, Galway.

Tel: (091) 73 56 11
E-mail: info@mkofireland.ie
Website: www.mkofireland.ie



90° View Extent

Key Image at 120°

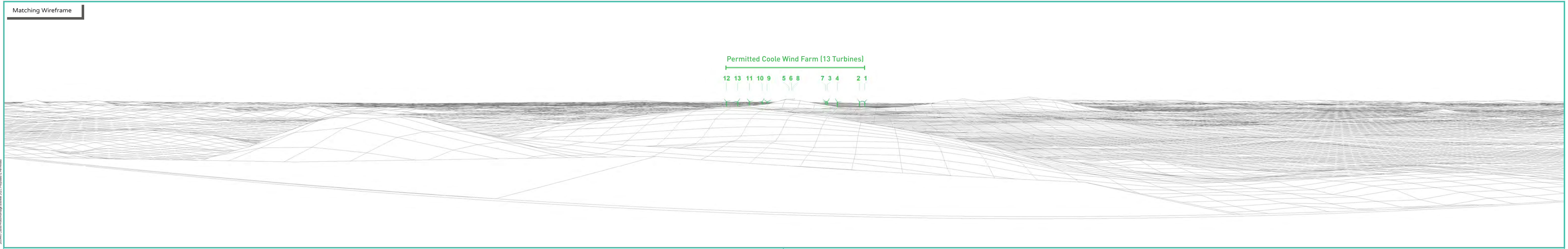


53.5° View Extent

Do-Nothing Scenario - Permitted Coole Wind Farm (13 Turbines) Photomontage at 90°



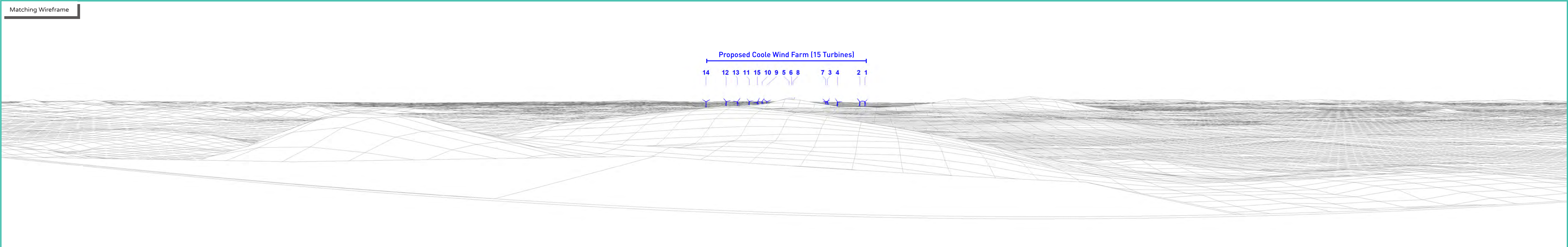
Matching Wireframe



Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 90°



Matching Wireframe



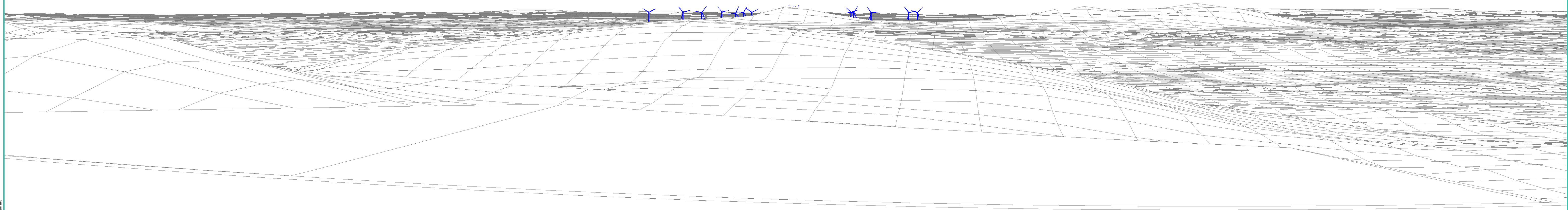
Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 53.5°



Matching Wireframe

Proposed Coole Wind Farm (15 Turbines)

14 12 13 11 15 10 9 5 6 8 7 3 4 2 1



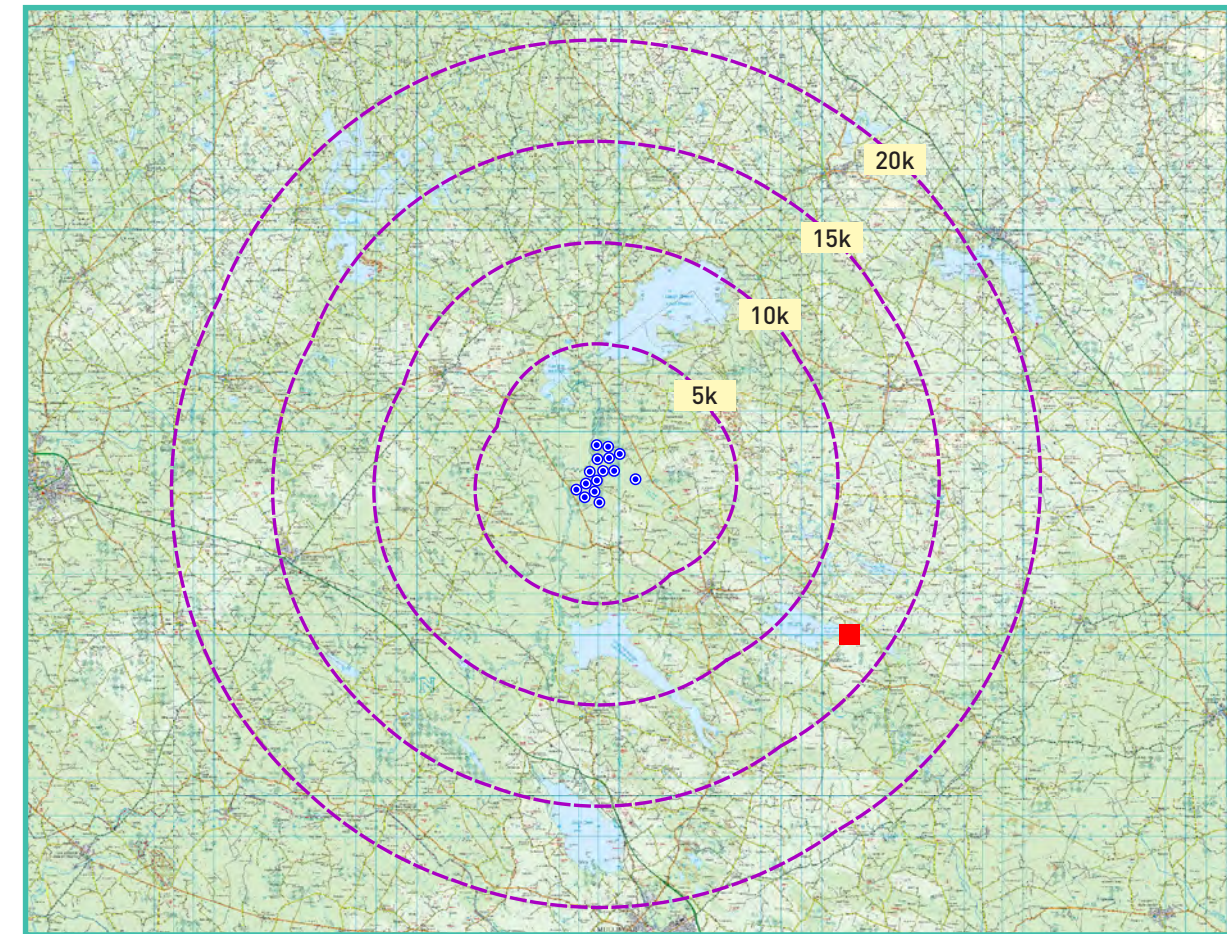
View Point 12

Colinstown

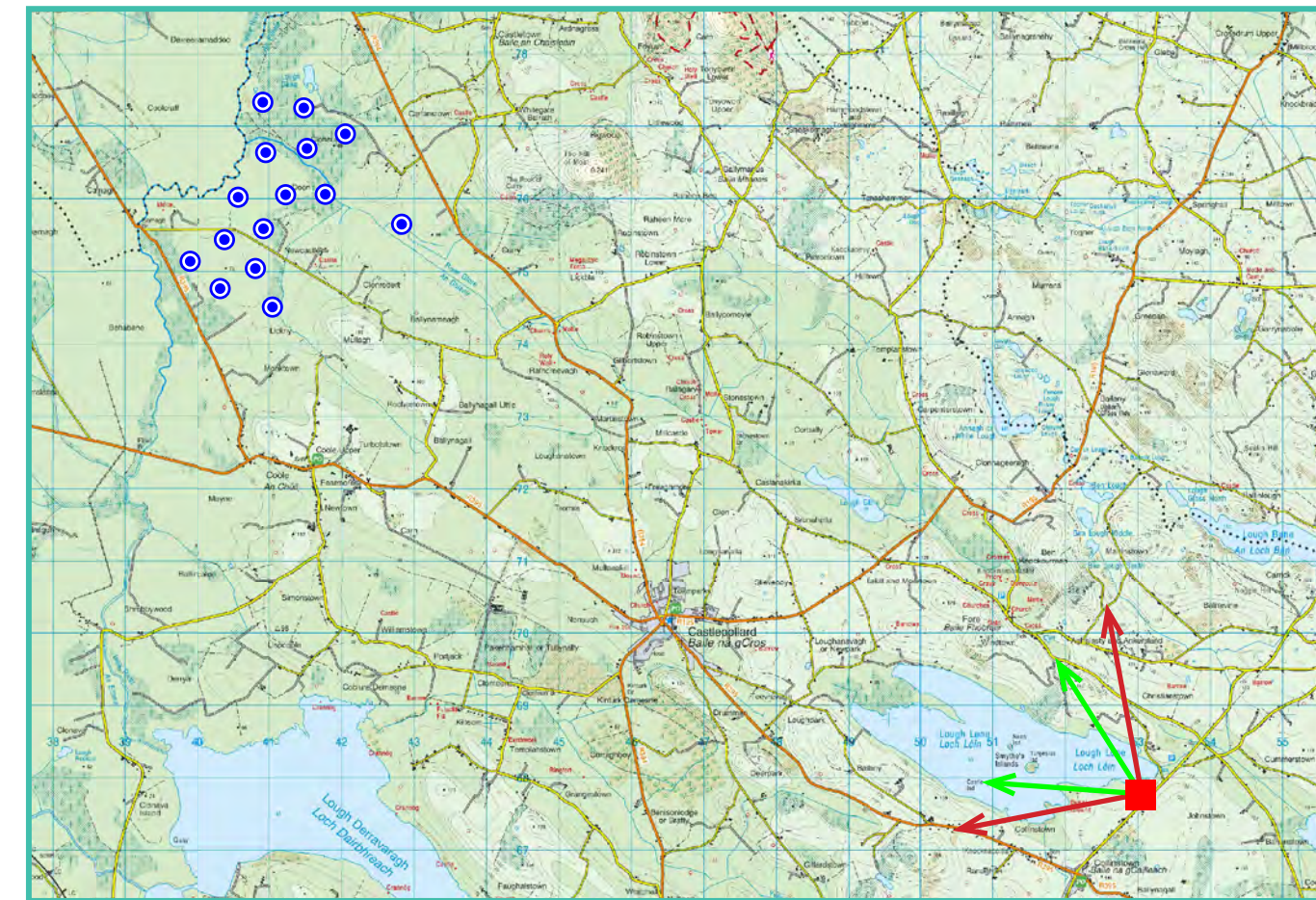
Photomontage 12

View Point: View from the local road and protected view north of Colinstown, approximately 12.9 km southeast of the nearest turbine.

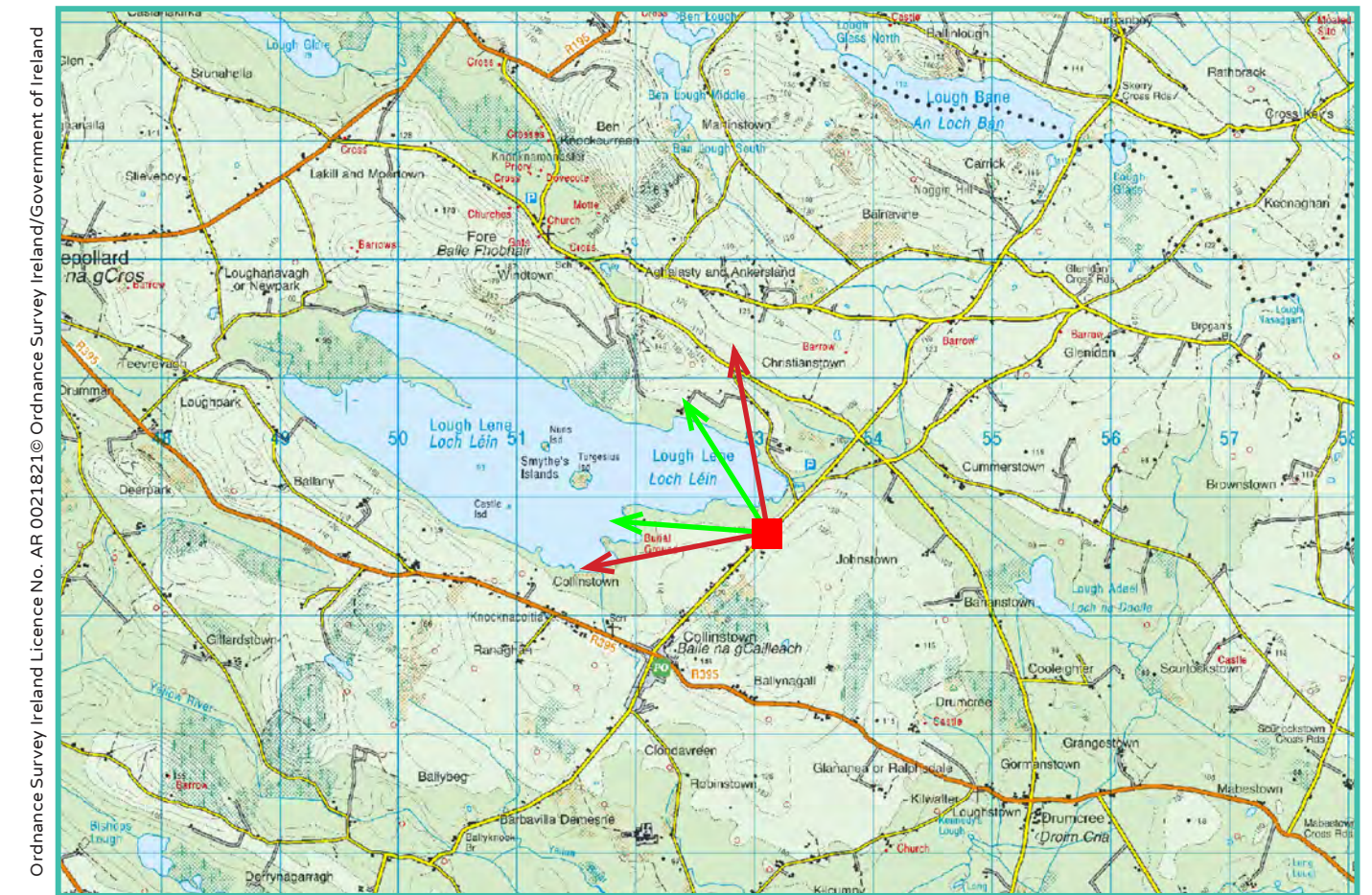
View point grid reference	253,110(E); 267,688(N)
Date of image taken	22.01.2021
Time of image taken	1:20pm
View point elevation	111m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	304°
Horizontal extent of proposed turbines	11°
Distance to nearest proposed turbine	12.9km (T15)
Number of proposed turbines visible	2/15
Turbine Hub Height	97.5m
Turbine Tip Height	175m
Turbine Rotor Diameter	155m
Camera	Canon EOS 600D with 1.5x sensor
Lens	35mm prime. Equivalent zoom range 52.5mm
Tripod	Manfrotto 190X extended to approx 1.65m.
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View point relative to 20km radius.



View point relative to wind farm site



Detail of view point location.

Map Legend

- Area shown in 90° view
- Area shown in 53.5° view
- View Point

Wireframe Legend

- Proposed Coole Wind Farm in Blue (15T)
- Permitted Coole Wind Farm in Green (13T)
- Existing Ballyjamesduff Wind Farm in Grey

Prepared by

MKO
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E-mail: info@mkoireland.ie
Website: www.mkoireland.ie



90° View Extent

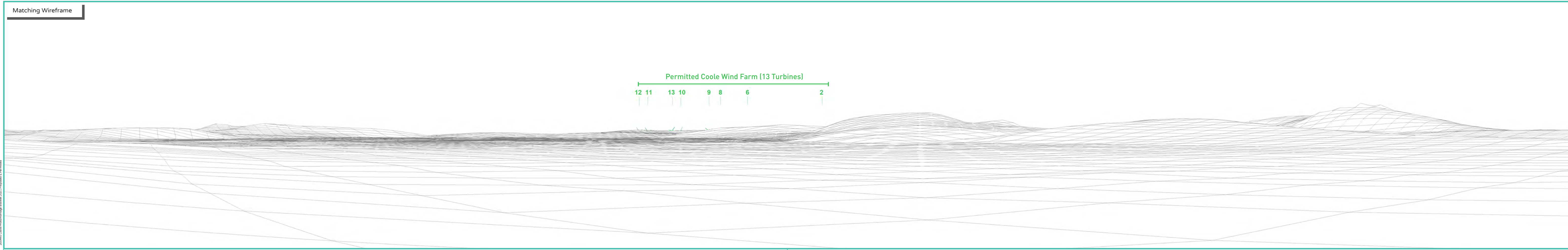


53.5° View Extent

Do-Nothing Scenario - Permitted Coole Wind Farm (13 Turbines) Photomontage at 90°



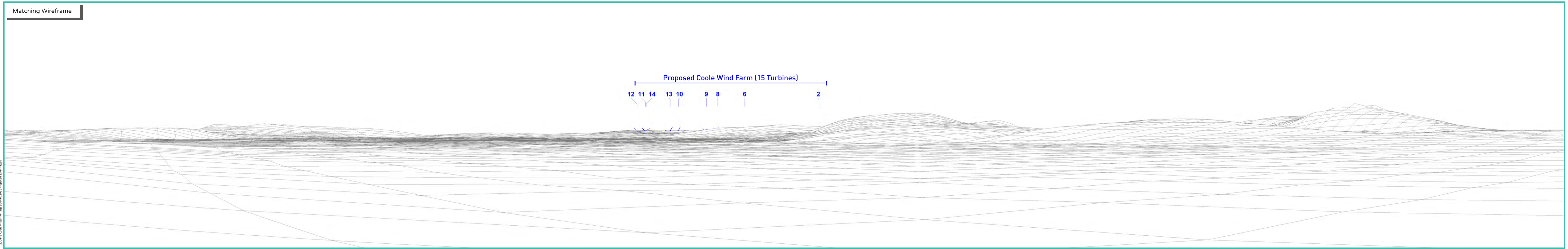
Matching Wireframe



Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 90°



Matching Wireframe



Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 53.5°



Matching Wireframe

Proposed Coole Wind Farm (15 Turbines)



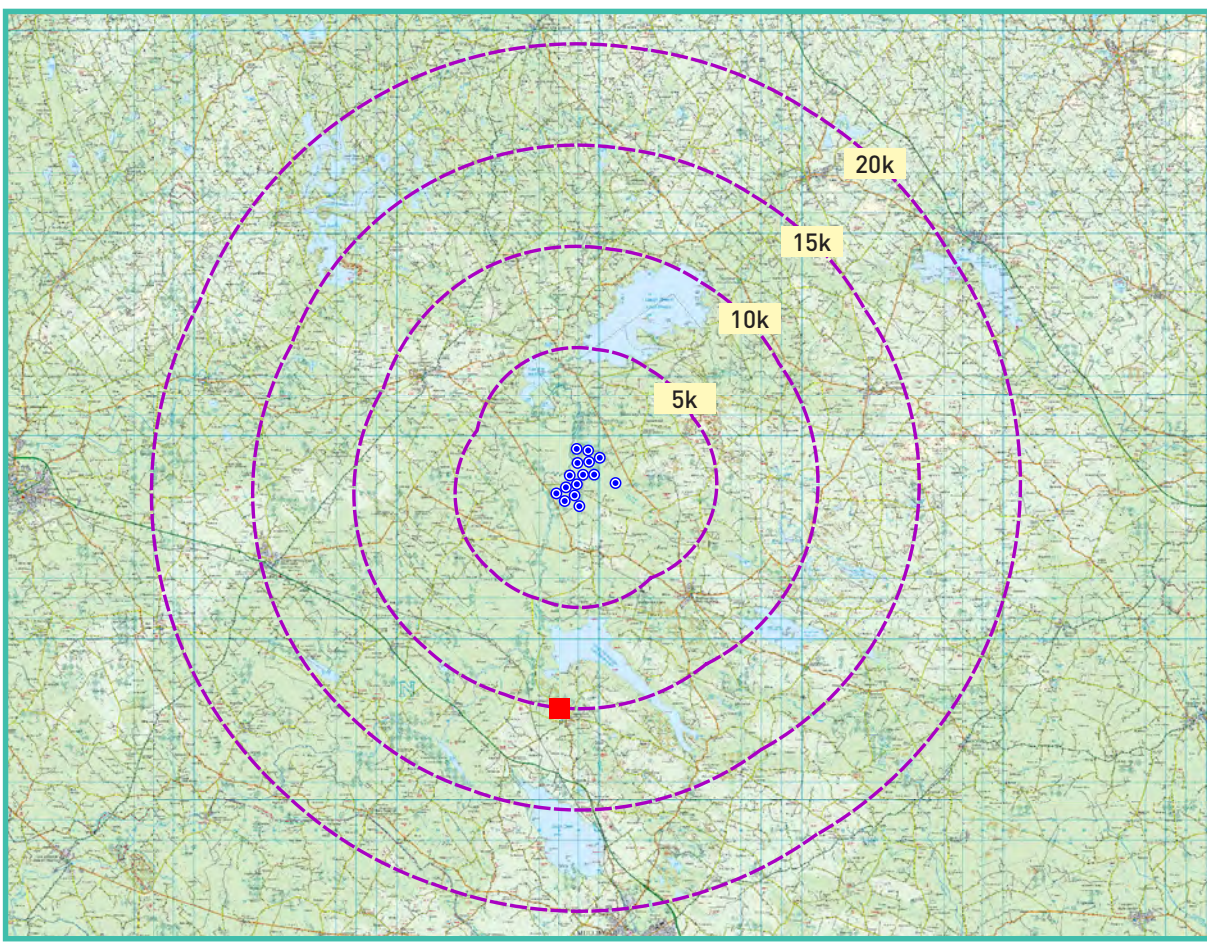
Abbeyland

View Point 13

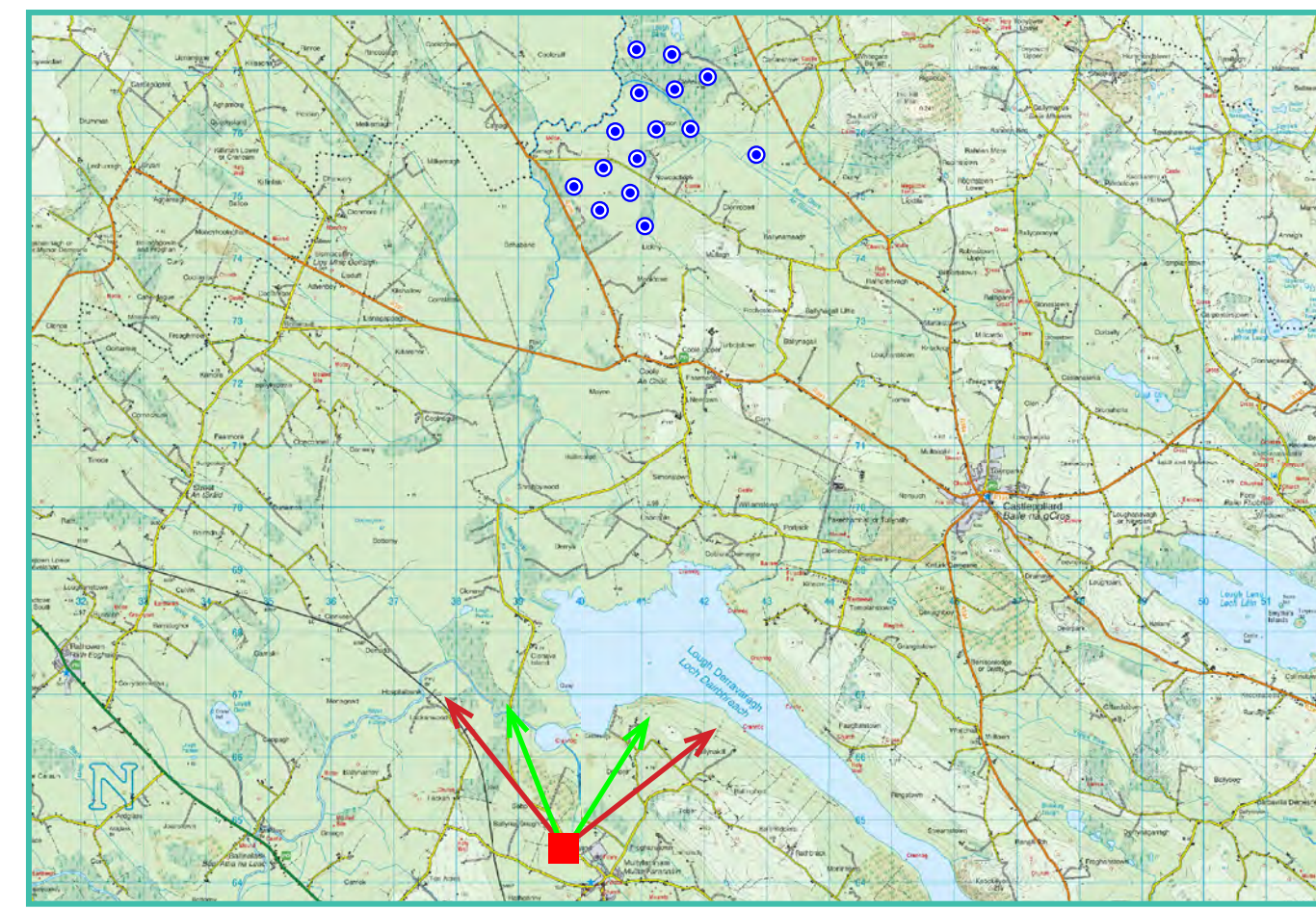
Photomontage 13

View Point: View from the local road in the townland of Abbeyland, approximately 10.1 kilometres south of the nearest turbine location.

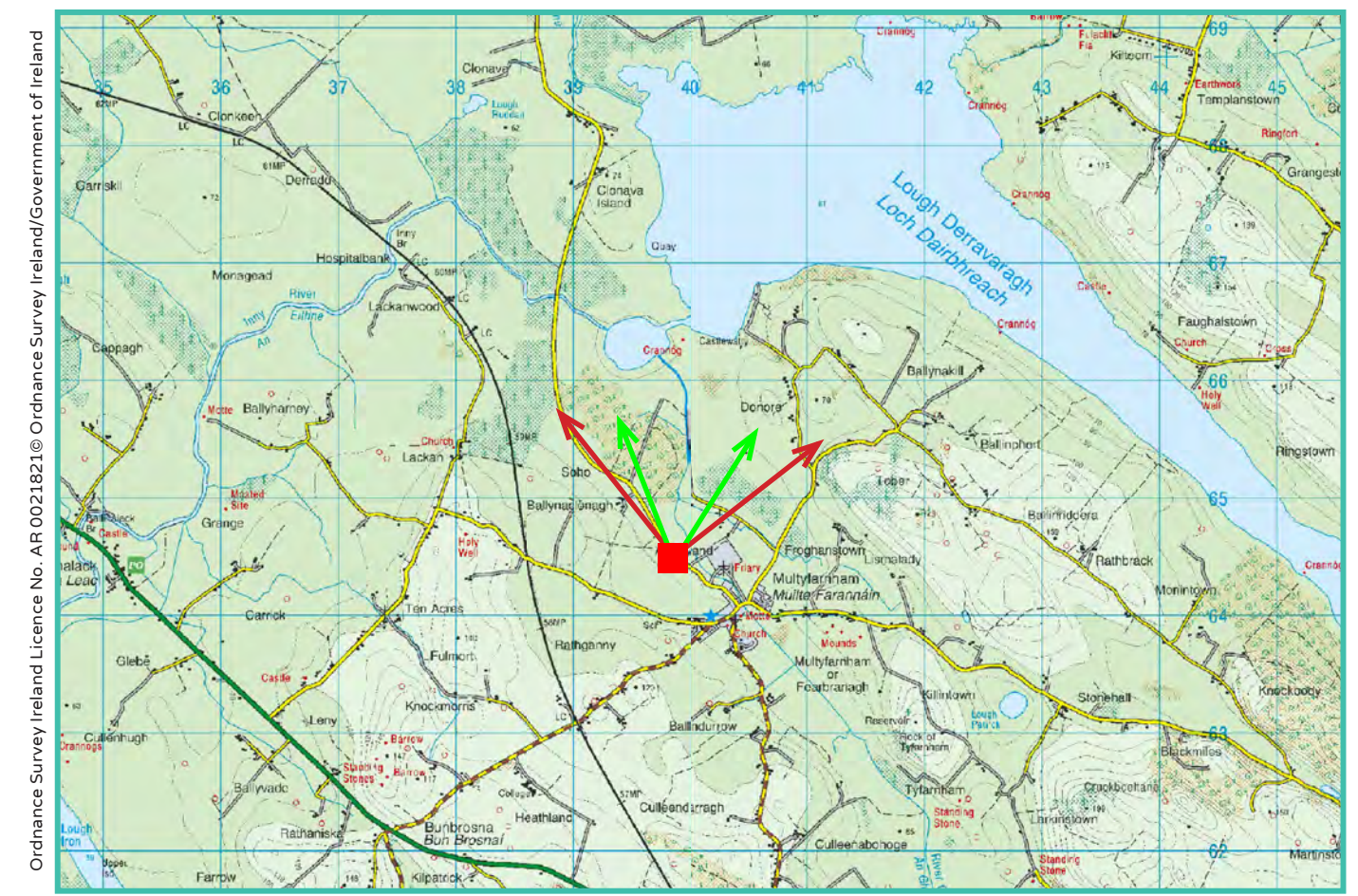
View point grid reference	239,941(E); 264,446(N)
Date of image taken	17.02.2016
Time of image taken	5.27pm
View point elevation	70m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	7°
Horizontal extent of proposed turbines	345°
Distance to nearest proposed turbine	10.1km (T14)
Number of proposed turbines visible	7/15
Turbine Hub Height	97.5m
Turbine Tip Height	175m
Turbine Rotor Diameter	155m
Camera	Canon EOS 600D with 1.5x sensor
Lens	35mm prime. Equivalent zoom range 52.5mm
Tripod	Manfrotto 190X extended to approx 1.65m.
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View point relative to 20km radius.



View point relative to wind farm site



Detail of view point location.

Map Legend

- Area shown in 90° view
- Area shown in 53.5° view
- View Point

Wireframe Legend

- Proposed Coole Wind Farm in Blue (15T)
- Permitted Coole Wind Farm in Green (13T)
- Existing Ballyjamesduff Wind Farm in Grey

Prepared by

MKO
 Planning & Environmental Consultants
 Tuam Road, Galway.
 Tel: (091) 73 56 11
 E-mail: info@mkoireland.ie
 Website: www.mkoireland.ie



90° View Extent

Key Image at 120°

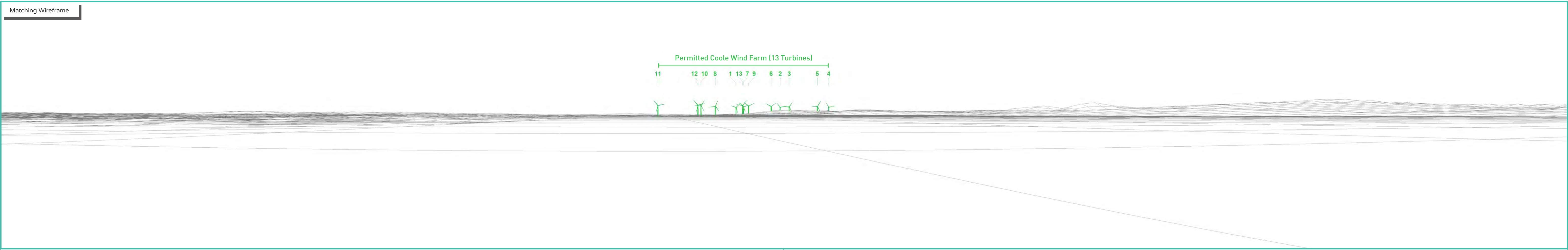


53.5° View Extent

Do-Nothing Scenario - Permitted Coole Wind Farm (13 Turbines) Photomontage at 90°



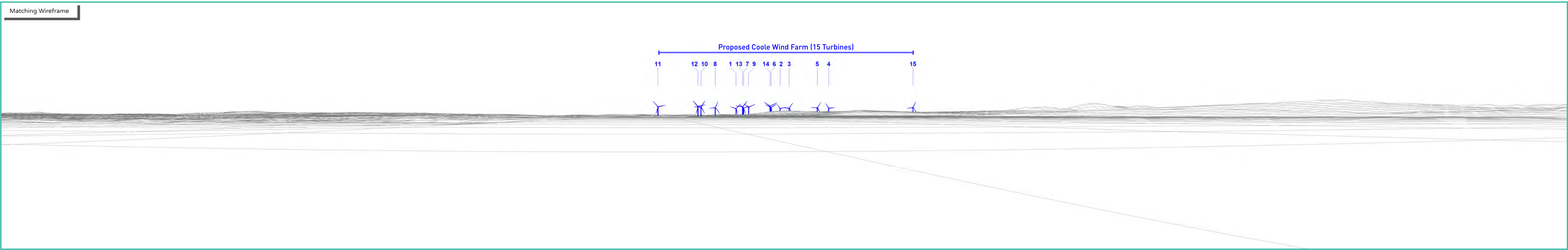
Matching Wireframe



Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 90°



Matching Wireframe

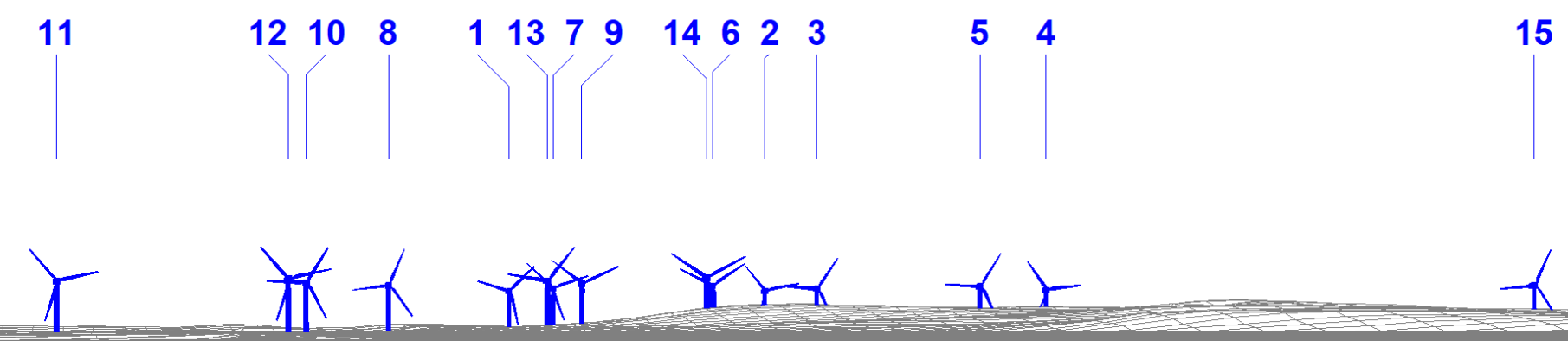


Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 53.5°



Matching Wireframe

Proposed Coole Wind Farm (15 Turbines)



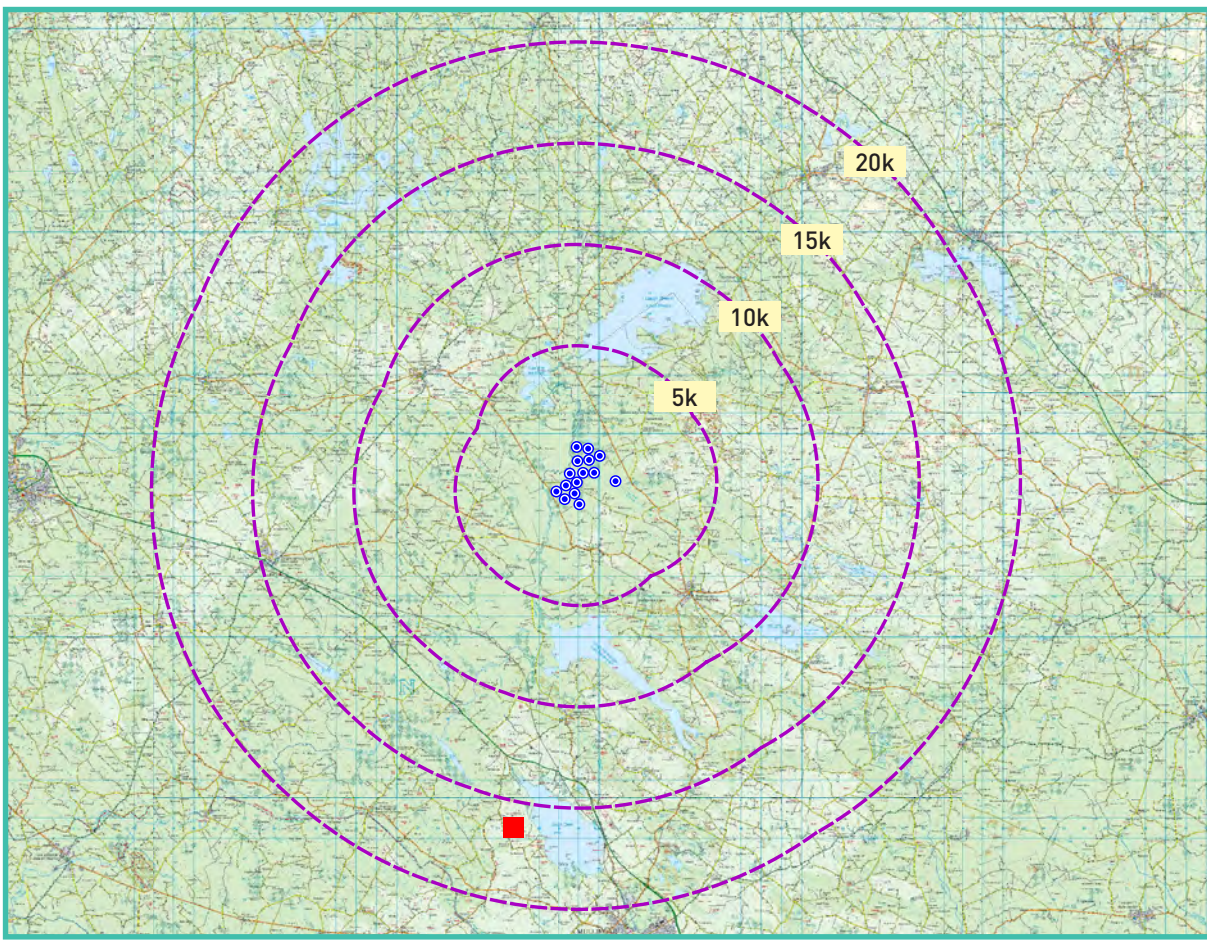
View Point 14

Wattstown

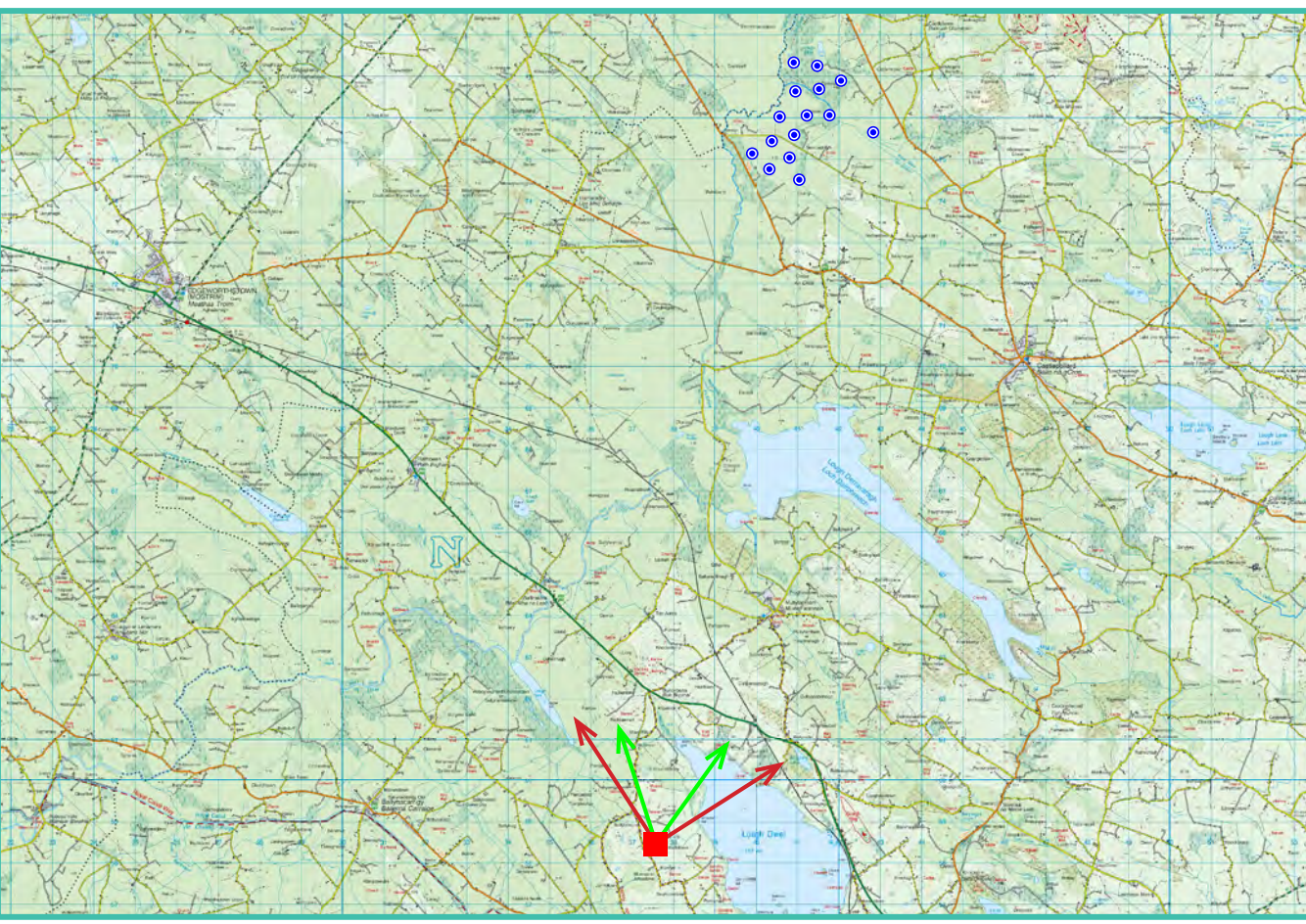
Photomontage 14

View Point: View from the top of Frewin Hill, a National Monument, in the townland of Wattstown, approximately 16.3 kilometres south of the nearest turbine.

View point grid reference	237,734(E); 258,518(N)
Date of image taken	28.5.2015
Time of image taken	12.28pm
View point elevation	161m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	12°
Horizontal extent of proposed turbines	9°
Distance to nearest proposed turbine	16.3km (T14)
Number of proposed turbines visible	15/15
Turbine Hub Height	97.5m
Turbine Tip Height	175m
Turbine Rotor Diameter	155m
Camera	Canon EOS 600D with 1.5x sensor
Lens	35mm prime. Equivalent zoom range 52.5mm
Tripod	Manfrotto 190X extended to approx 1.65m.
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View point relative to 20km radius.



View point relative to wind farm site



Detail of view point location.

Map Legend

- Area shown in 90° view
- Area shown in 53.5° view
- View Point

Wireframe Legend

- Proposed Coole Wind Farm in Blue (15T)
- Permitted Coole Wind Farm in Green (13T)
- Existing Ballyjamesduff Wind Farm in Grey

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 Tuam Road, Galway.
 Tel: (091) 73 56 11
 E-mail: info@mkofireland.ie
 Website: www.mkofireland.ie



90° View Extent

Key Image at 120°



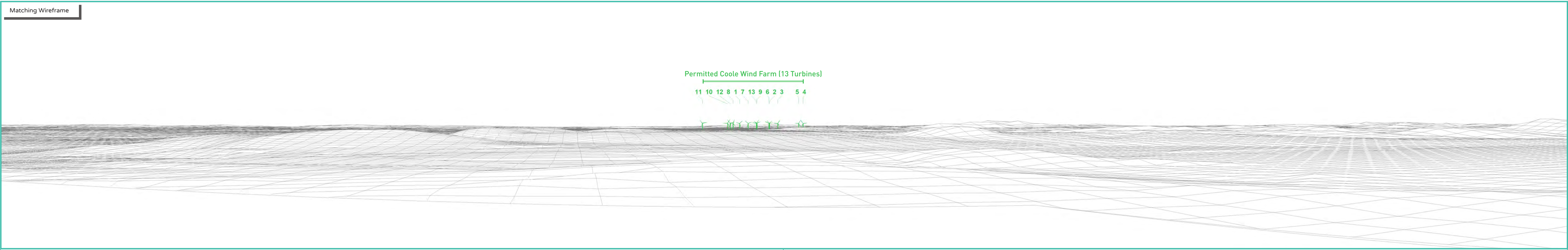
53.5° View Extent

201415 Coole Photomontage Booklet 2021 Proposed 5 Permitted

Do-Nothing Scenario - Permitted Coole Wind Farm (13 Turbines) Photomontage at 90°



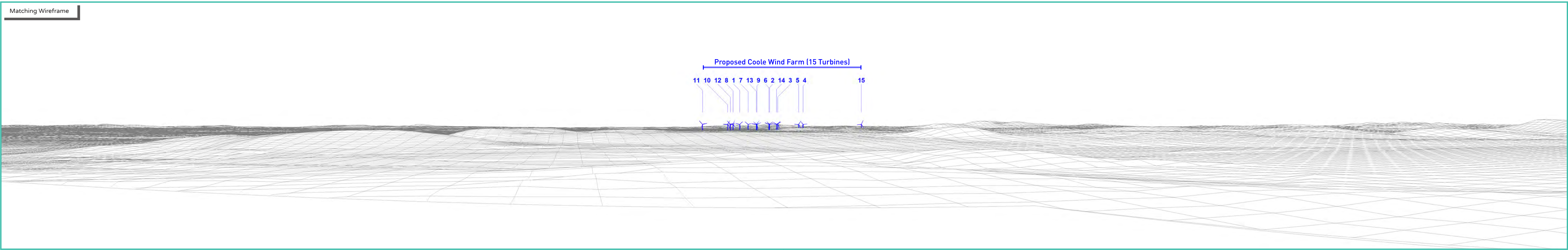
Matching Wireframe



Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 90°



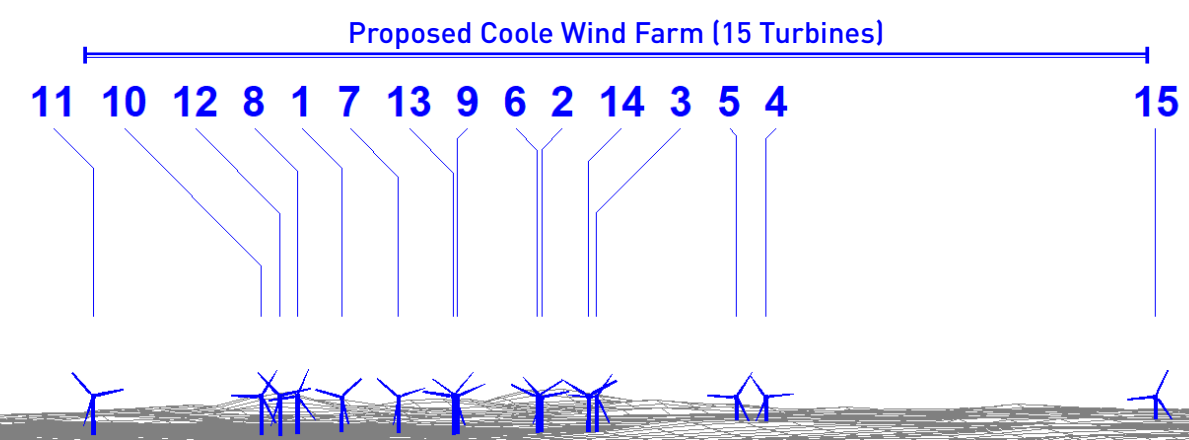
Matching Wireframe



Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 53.5°



Matching Wireframe



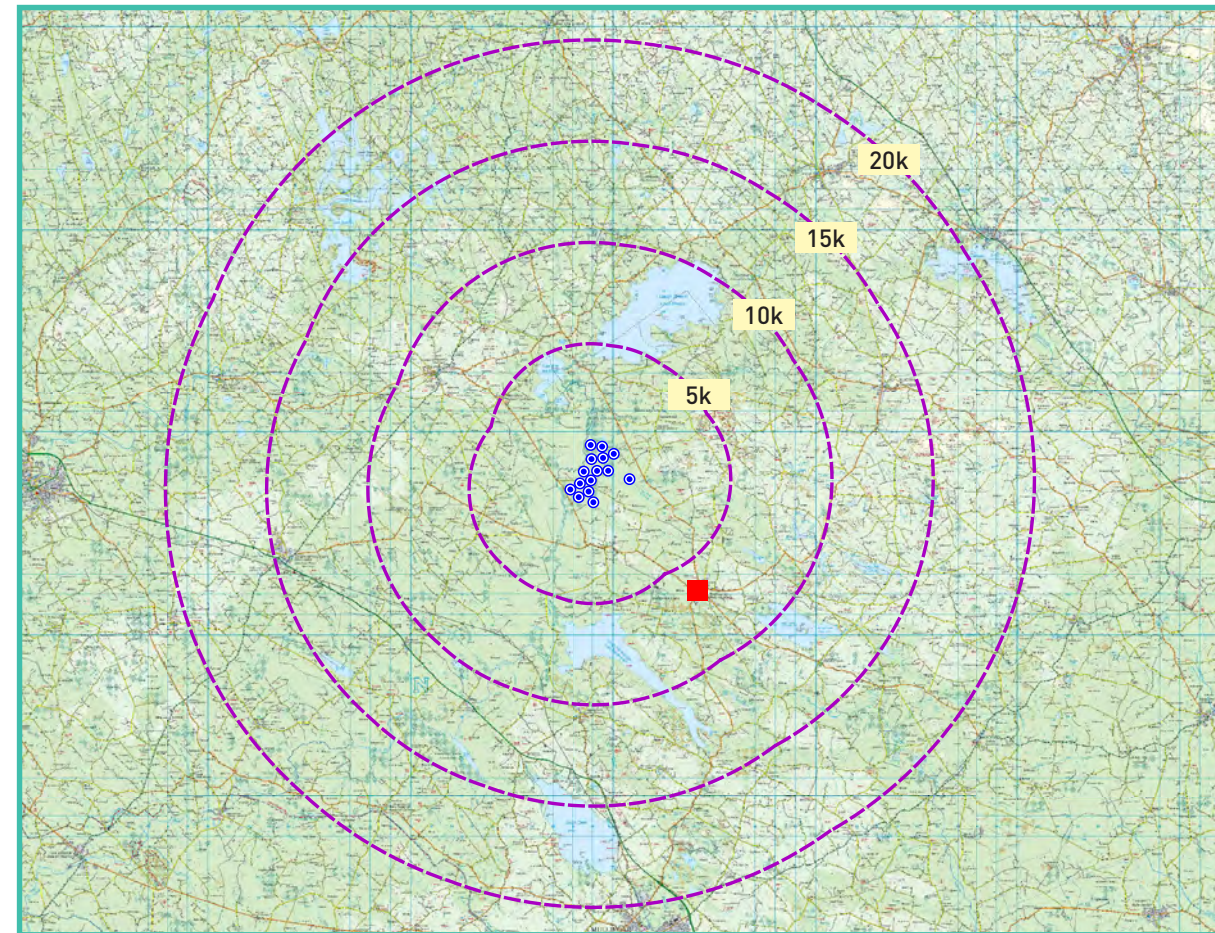
View Point 15

Castlepollard

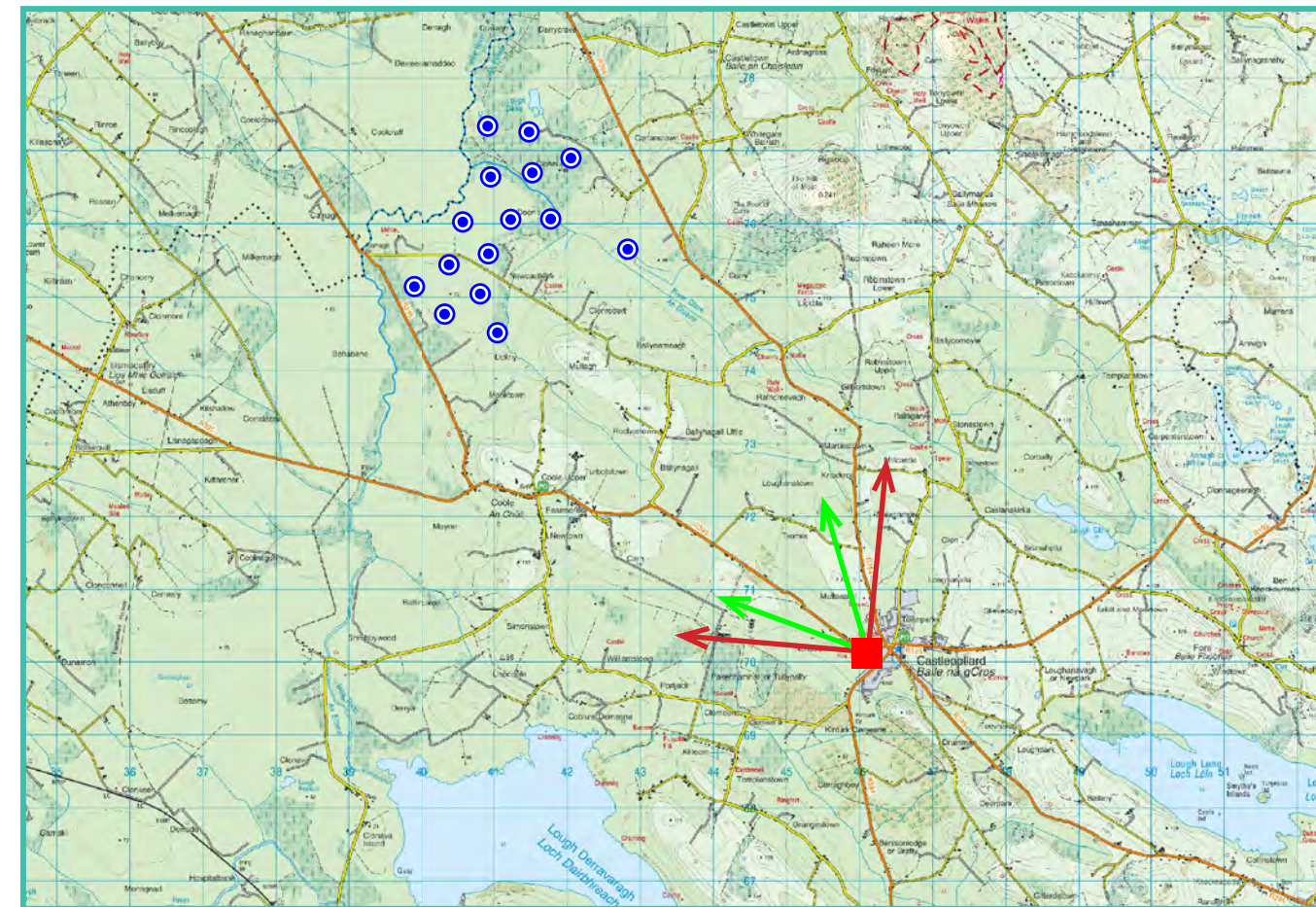
Photomontage 15

View Point: View from the outskirts of Castlepollard, in the townland of Townparks, approximately 6.3 kilometres southeast of the nearest turbine.

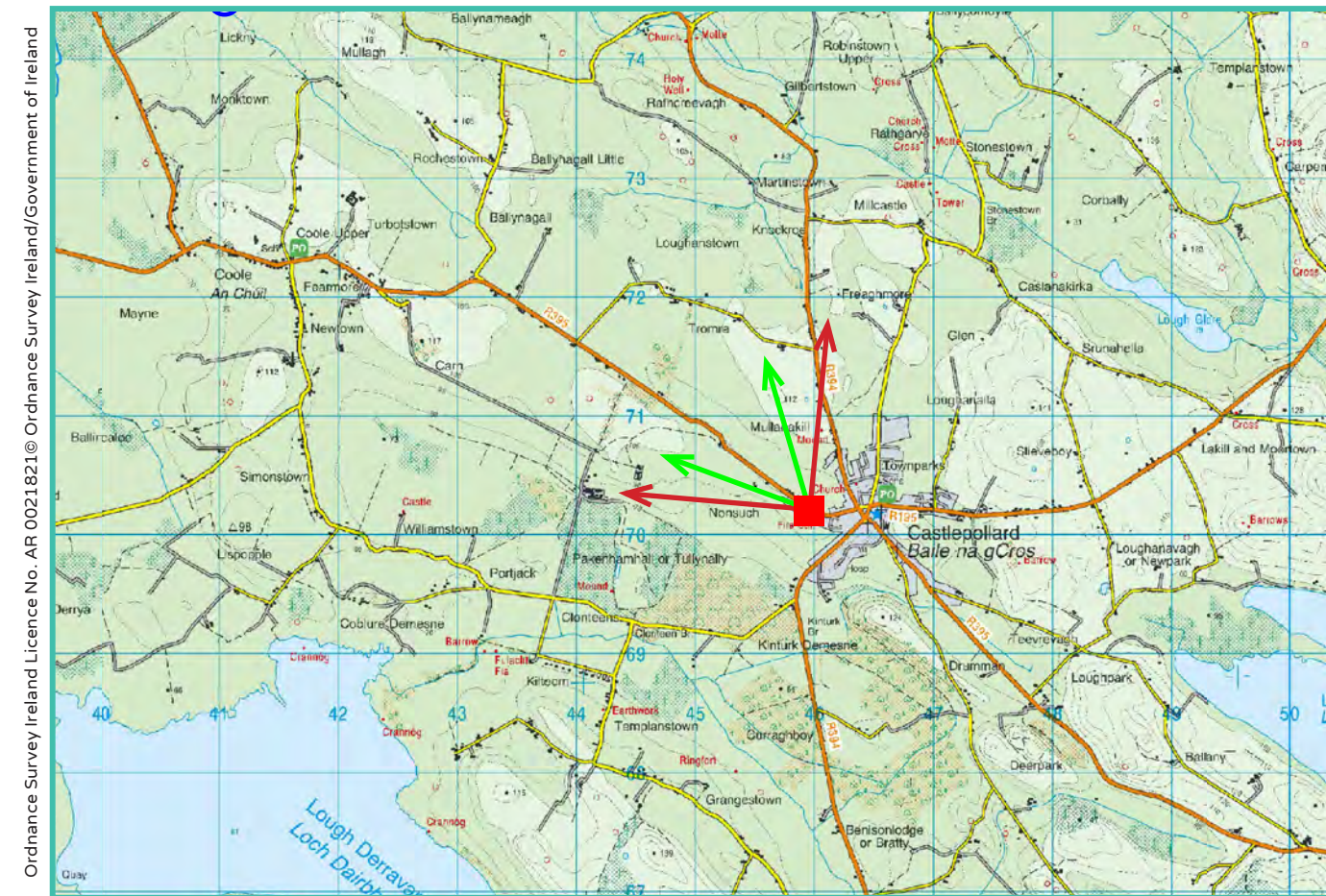
View point grid reference	246,098(E); 270,155(N)
Date of image taken	06.10.2016
Time of image taken	12.47pm
View point elevation	91m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	320°
Horizontal extent of proposed turbines	21°
Distance to nearest proposed turbine	6.3km (T15)
Number of proposed turbines visible	5/15
Turbine Hub Height	97.5m
Turbine Tip Height	175m
Turbine Rotor Diameter	155m
Camera	Canon EOS 600D with 1.5x sensor
Lens	35mm prime. Equivalent zoom range 52.5mm
Tripod	Manfrotto 190X extended to approx 1.65m.
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View point relative to 20km radius.



View point relative to wind farm site



Detail of view point location.

Map Legend

Area shown in 90° view

Area shown in 53.5° view

View Point

Wireframe Legend

Proposed Coole Wind Farm in Blue (15T)

Permitted Coole Wind Farm in Green (13T)

Existing Ballyjamesduff Wind Farm in Grey

Prepared by

MKO
Planning & Environmental Consultants
Tuam Road, Galway.

Tel: (091) 73 56 11
E-mail: info@mkofireland.ie
Website: www.mkofireland.ie



90° View Extent

Key Image at 120°

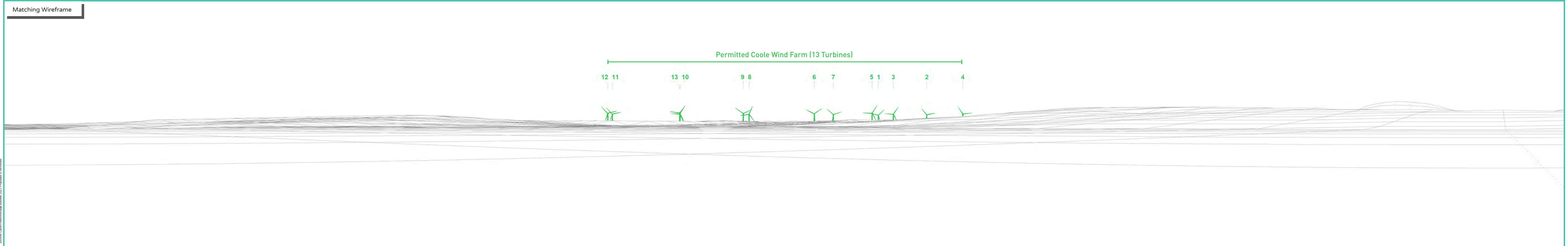


53.5° View Extent

Do-Nothing Scenario - Permitted Coole Wind Farm (13 Turbines) Photomontage at 90°

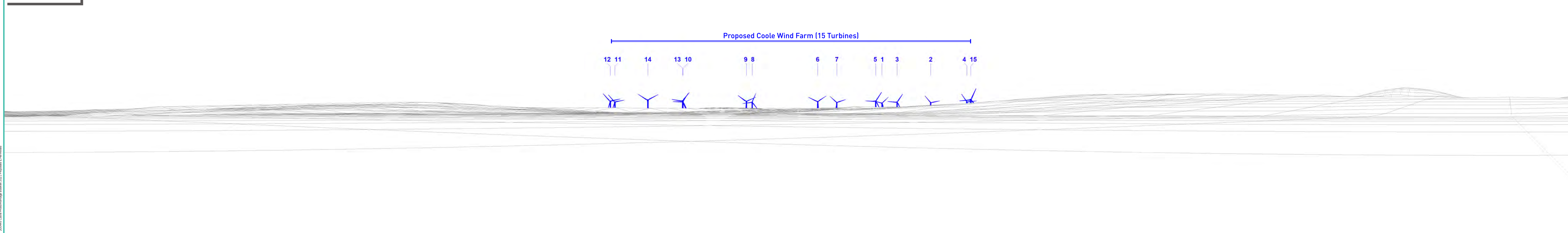


Matching Wireframe





Matching Wireframe



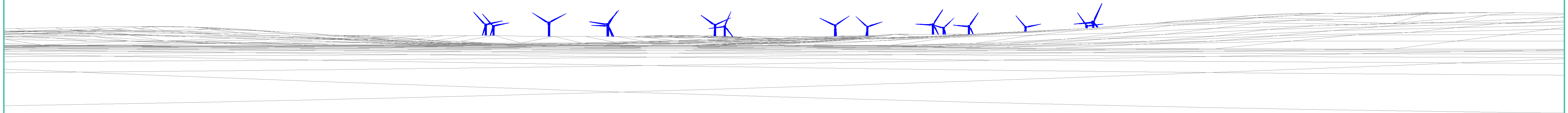


Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 53.5°

Matching Wireframe

Proposed Coole Wind Farm (15 Turbines)

12 11 14 13 10 9 8 6 7 5 1 3 2 4 15



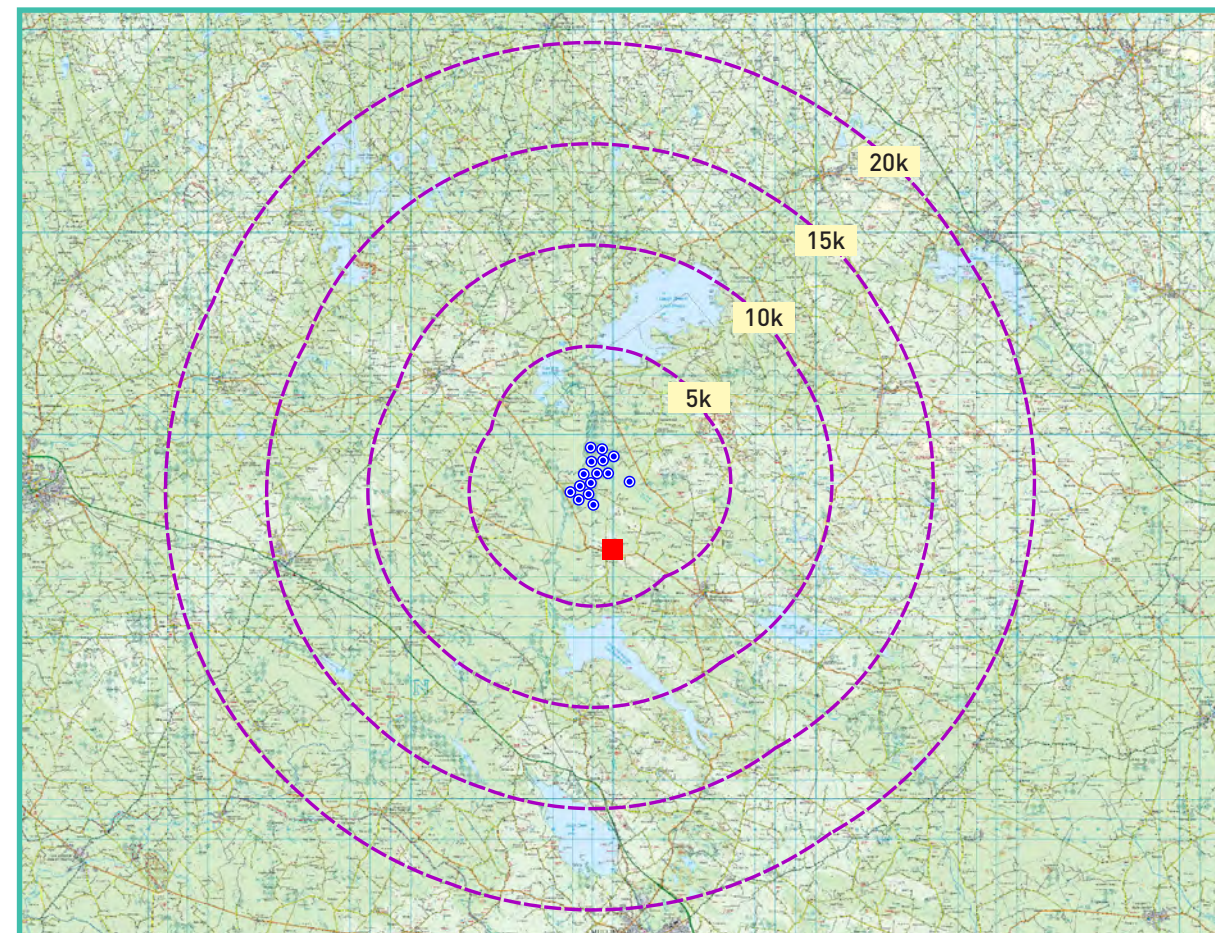
View Point 16

Cooile

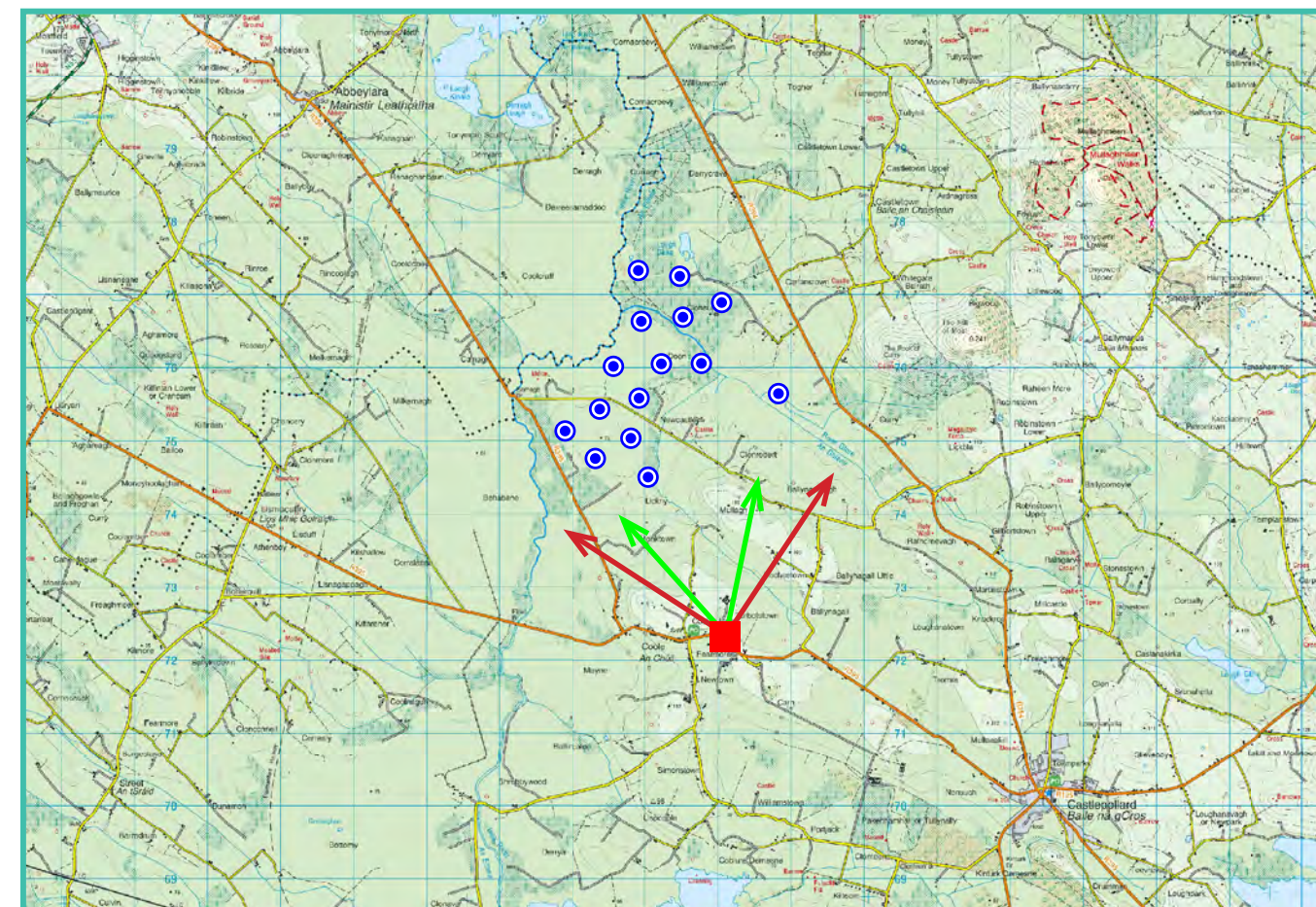
Photomontage 16

View Point: View from the R395 Regional Road at Fearmore, Cooile village, approximately 2.4 kilometres southeast of the nearest turbine.

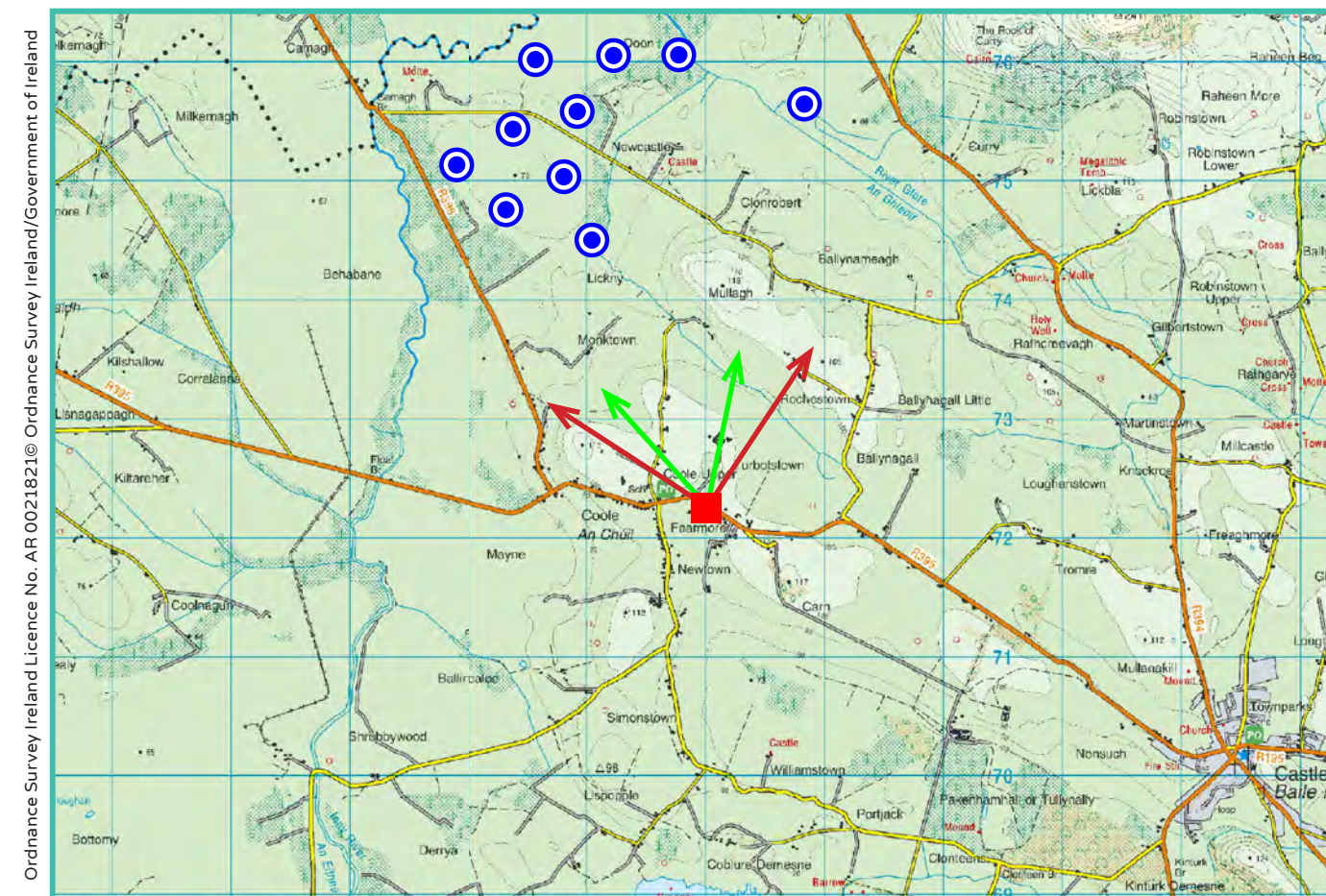
View point grid reference	242,026(E); 272,261(N)
Date of image taken	05.02.2017
Time of image taken	1:01pm
View point elevation	99m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	347°
Horizontal extent of proposed turbines	309°
Distance to nearest proposed turbine	2.4km (T14)
Number of proposed turbines visible	9/15
Turbine Hub Height	97.5m
Turbine Tip Height	175m
Turbine Rotor Diameter	155m
Camera	Canon EOS 600D with 1.5x sensor
Lens	35mm prime. Equivalent zoom range 52.5mm
Tripod	Manfrotto 190X extended to approx 1.65m.
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View point relative to 20km radius.



View point relative to wind farm site



Detail of view point location.

Map Legend

- Area shown in 90° view
- Area shown in 53.5° view
- View Point

Wireframe Legend

- Proposed Cooile Wind Farm in Blue (15T)
- Permitted Cooile Wind Farm in Green (13T)
- Existing Ballyjamesduff Wind Farm in Grey

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Website: www.mkofireland.ie



90° View Extent

Key Image at 120°

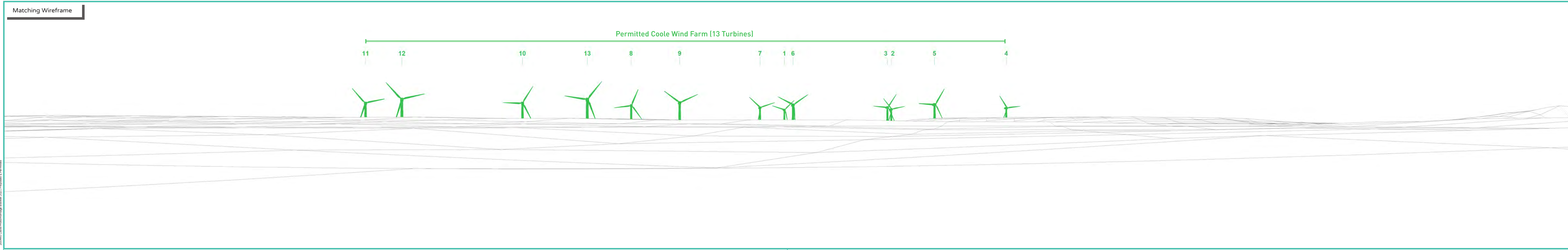


53.5° View Extent

Do-Nothing Scenario - Permitted Coole Wind Farm (13 Turbines) Photomontage at 90°

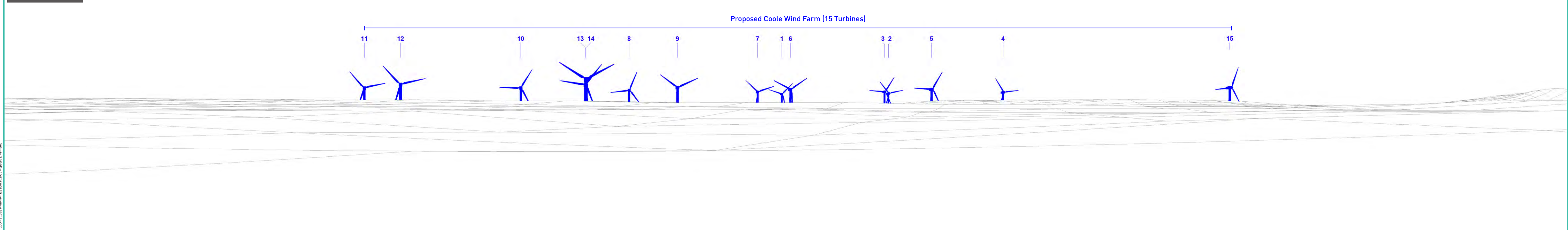


Matching Wireframe





Matching Wireframe

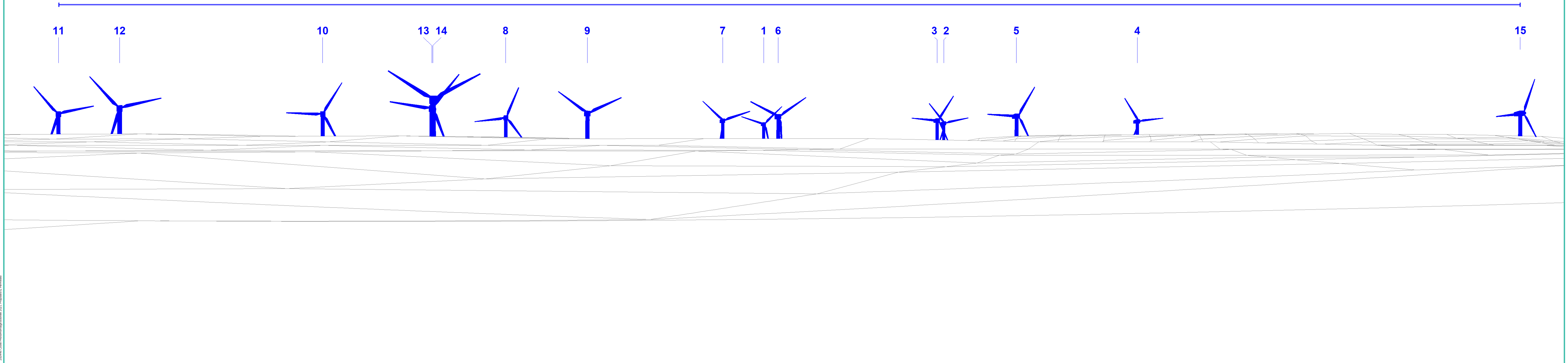




Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 53.5°

Matching Wireframe

Proposed Coole Wind Farm (15 Turbines)



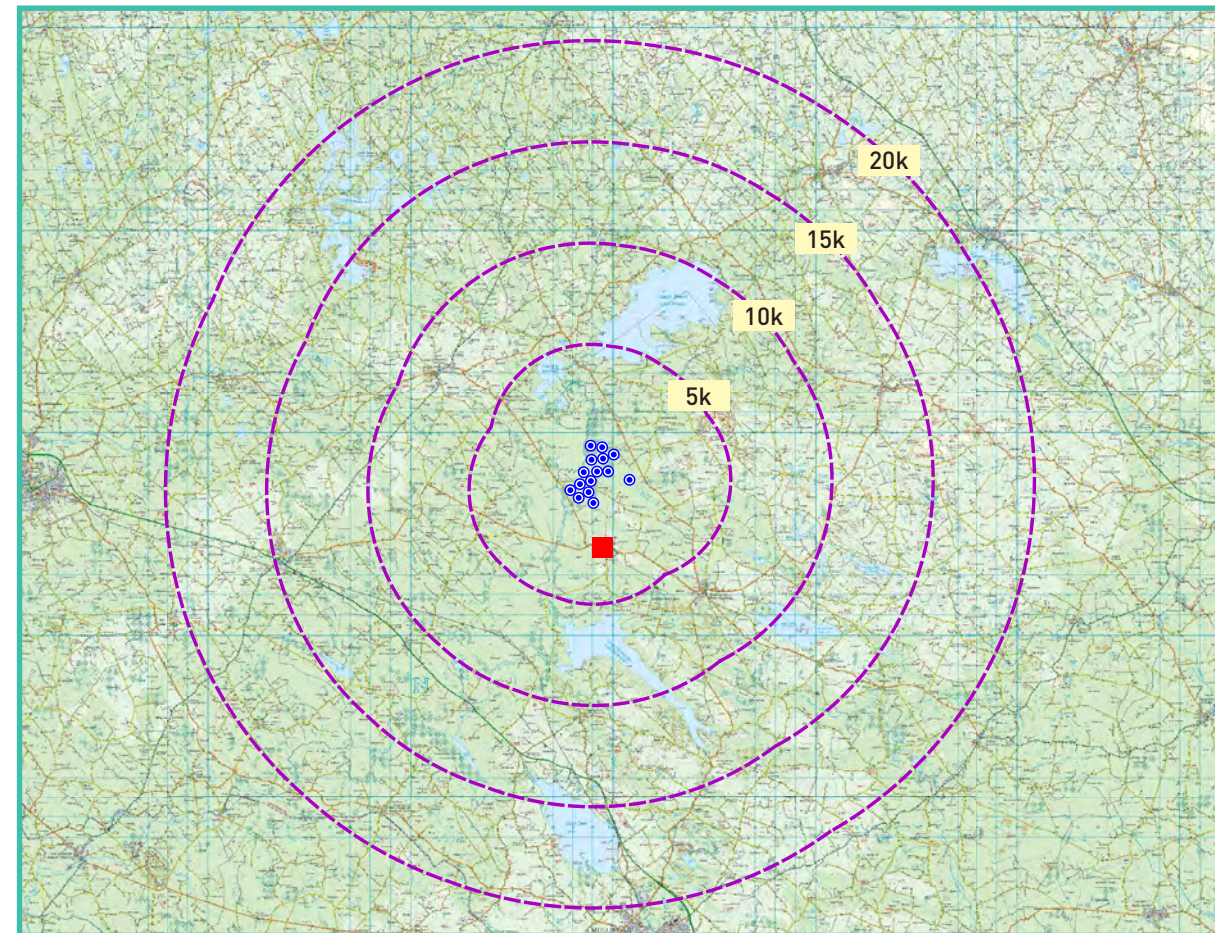
View Point 17

Cooles

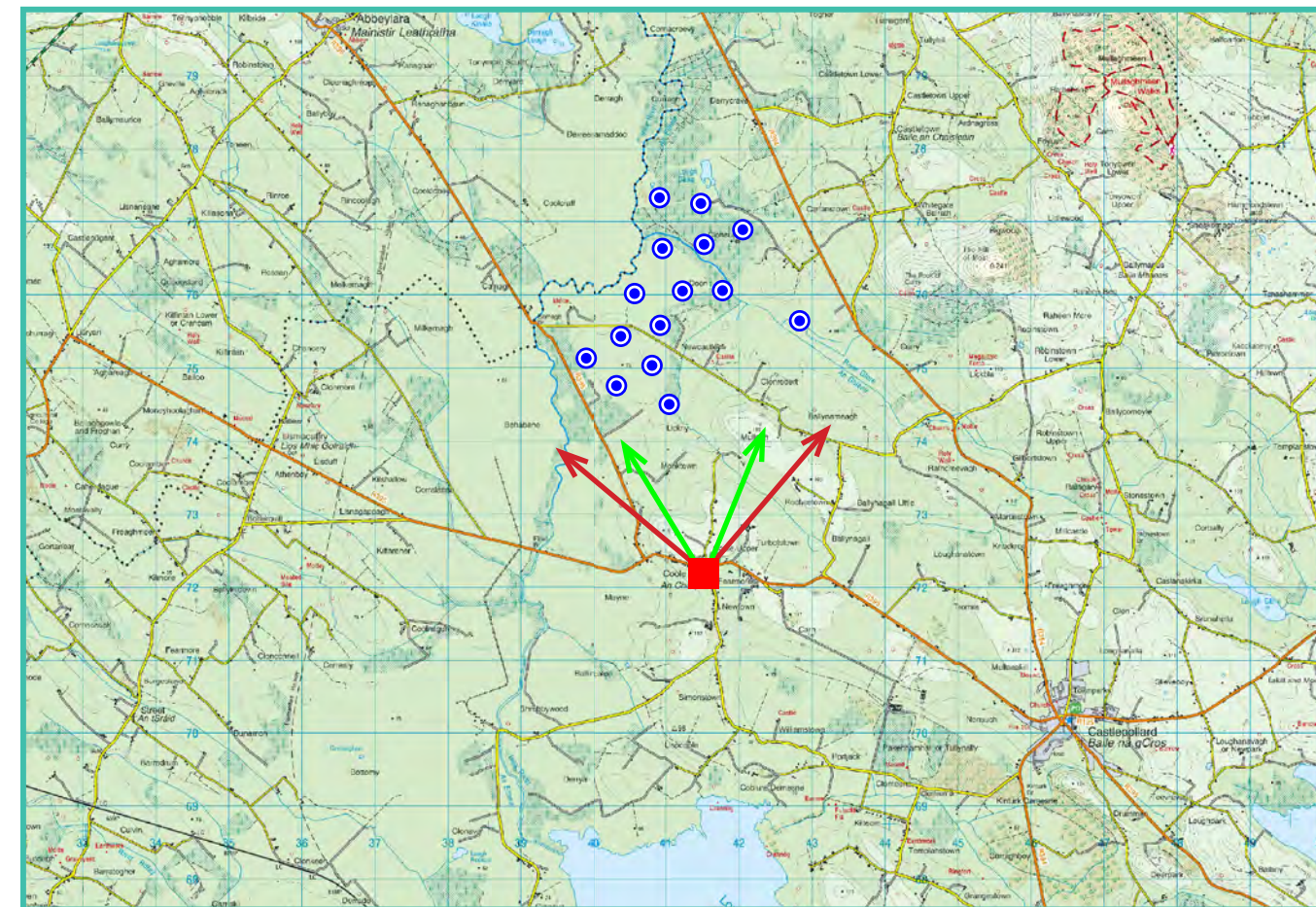
Photomontage 17

View Point: View from the R395 Regional Road at Coole Village, in the townland of Coole, approximately 2.3 kilometres southeast of the nearest turbine.

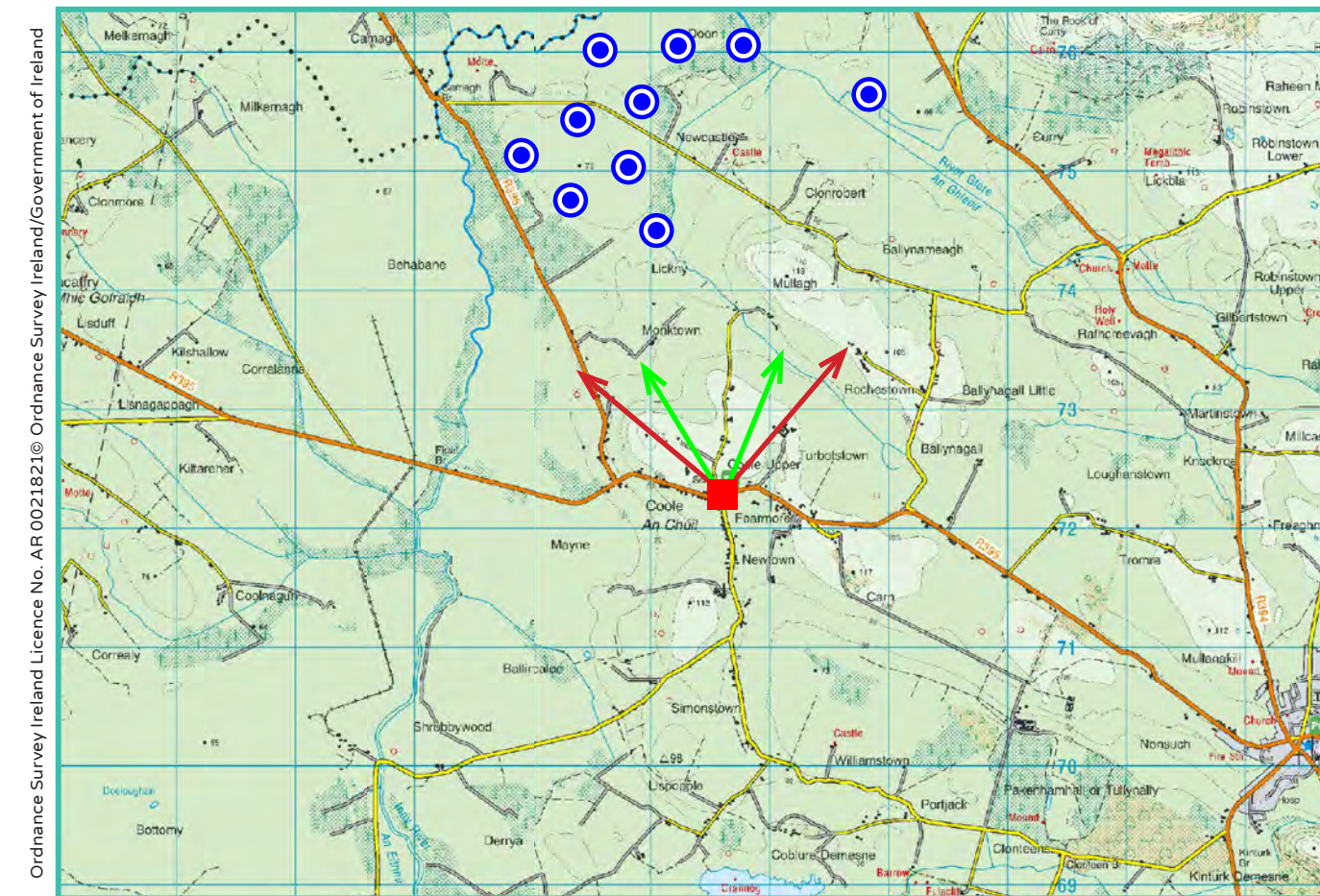
View point grid reference	241,556(E); 272,257(N)
Date of image taken	22.01.2021
Time of image taken	1:40pm
View point elevation	95m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	355°
Horizontal extent of proposed turbines	309°
Distance to nearest proposed turbine	2.3km (T14)
Number of proposed turbines visible	0/15
Turbine Hub Height	97.5m
Turbine Tip Height	175m
Turbine Rotor Diameter	155m
Camera	Canon EOS 600D with 1.5x sensor
Lens	35mm prime. Equivalent zoom range 52.5mm
Tripod	Manfrotto 190X extended to approx 1.65m.
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View point relative to 20km radius.



View point relative to wind farm site



Detail of view point location.

Map Legend

Area shown in 90° view

Area shown in 53.5° view

View Point

Wireframe Legend

Proposed Coole Wind Farm in Blue (15T)

Permitted Coole Wind Farm in Green (13T)

Existing Ballyjamesduff Wind Farm in Grey

Prepared by

MKO
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Website: www.mkofireland.ie



90° View Extent

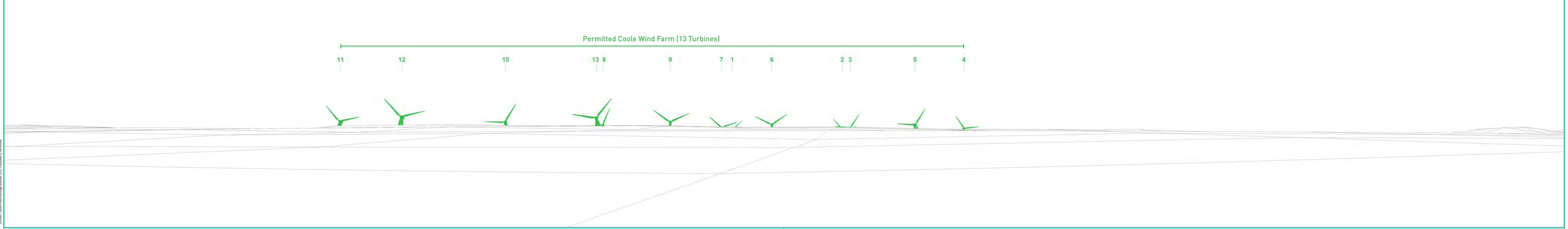
Key Image at 120°



53.5° View Extent



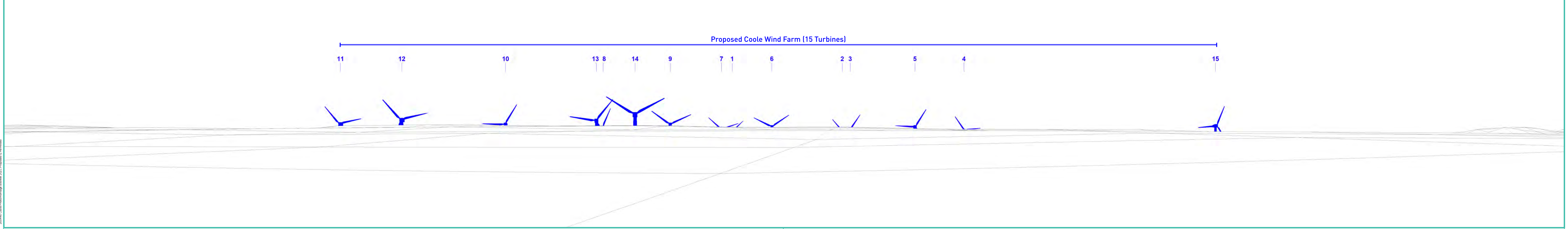
Matching Wireframe



Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 90°



Matching Wireframe



Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 53.5°



Matching Wireframe

Proposed Coole Wind Farm (15 Turbines)

11

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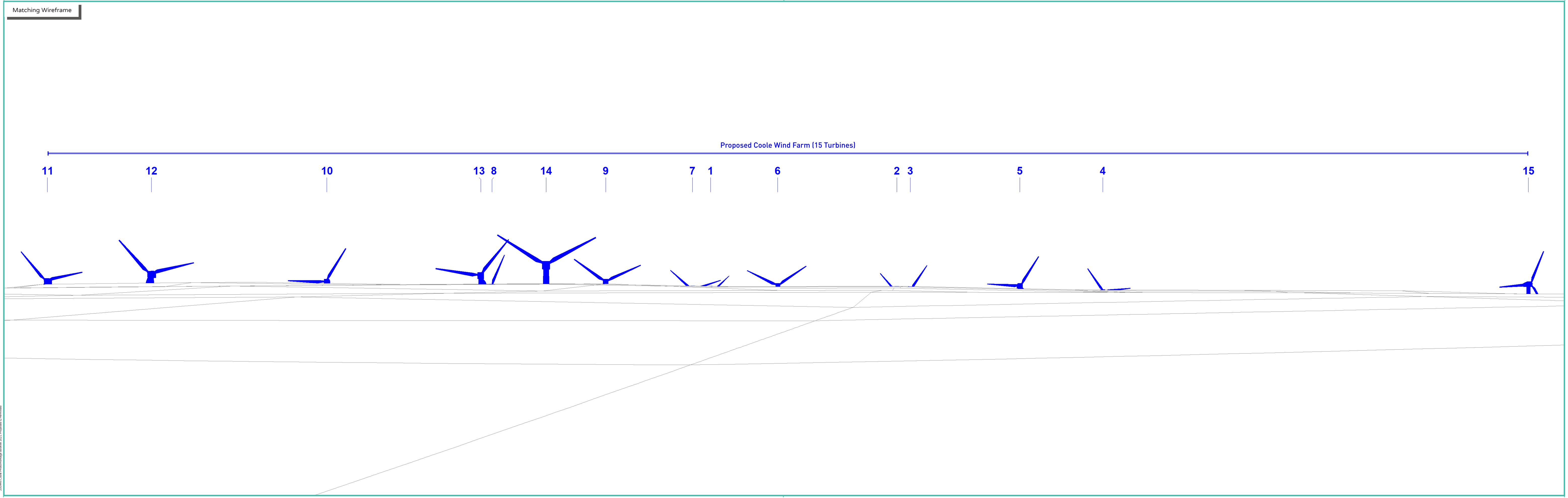
2

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15



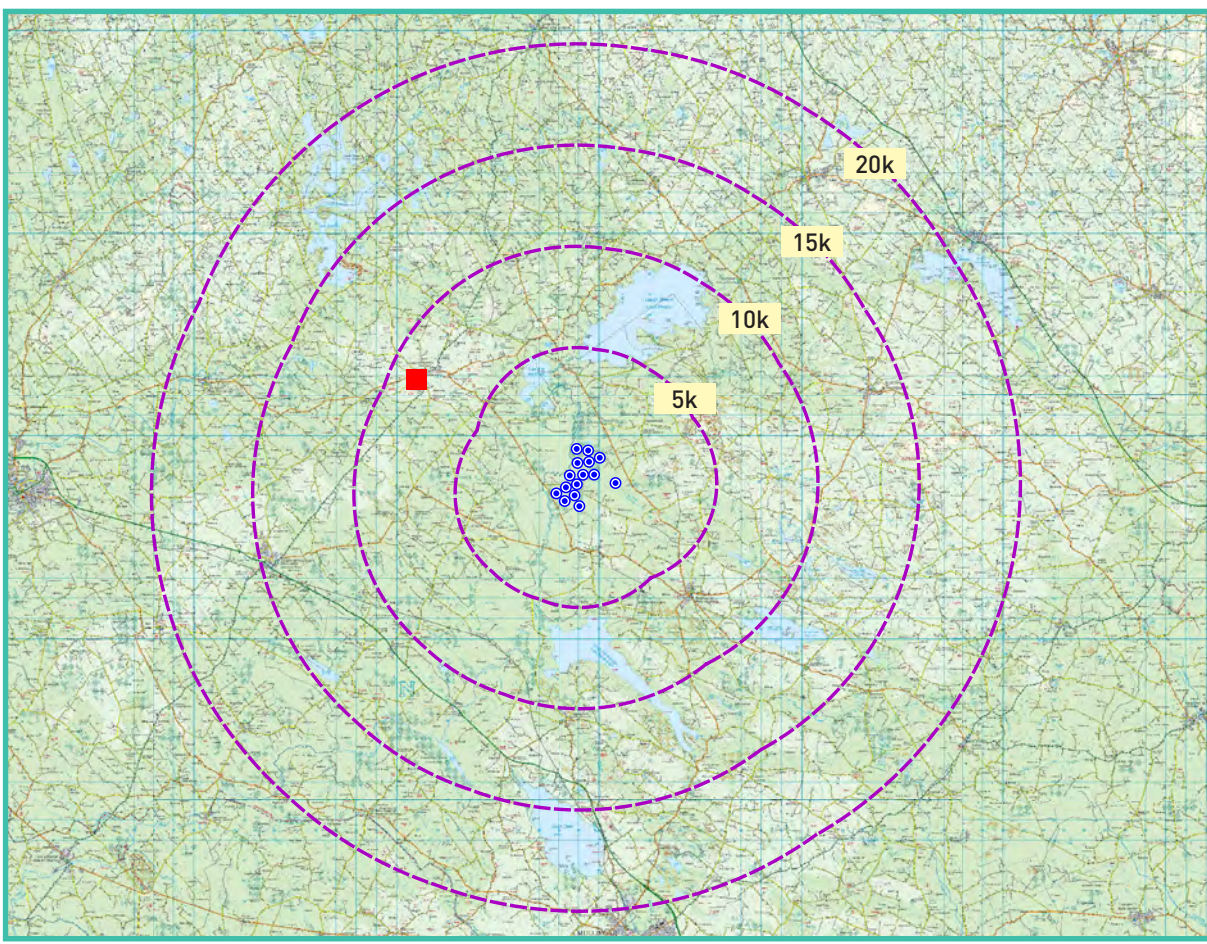
View Point 18

Moatfield

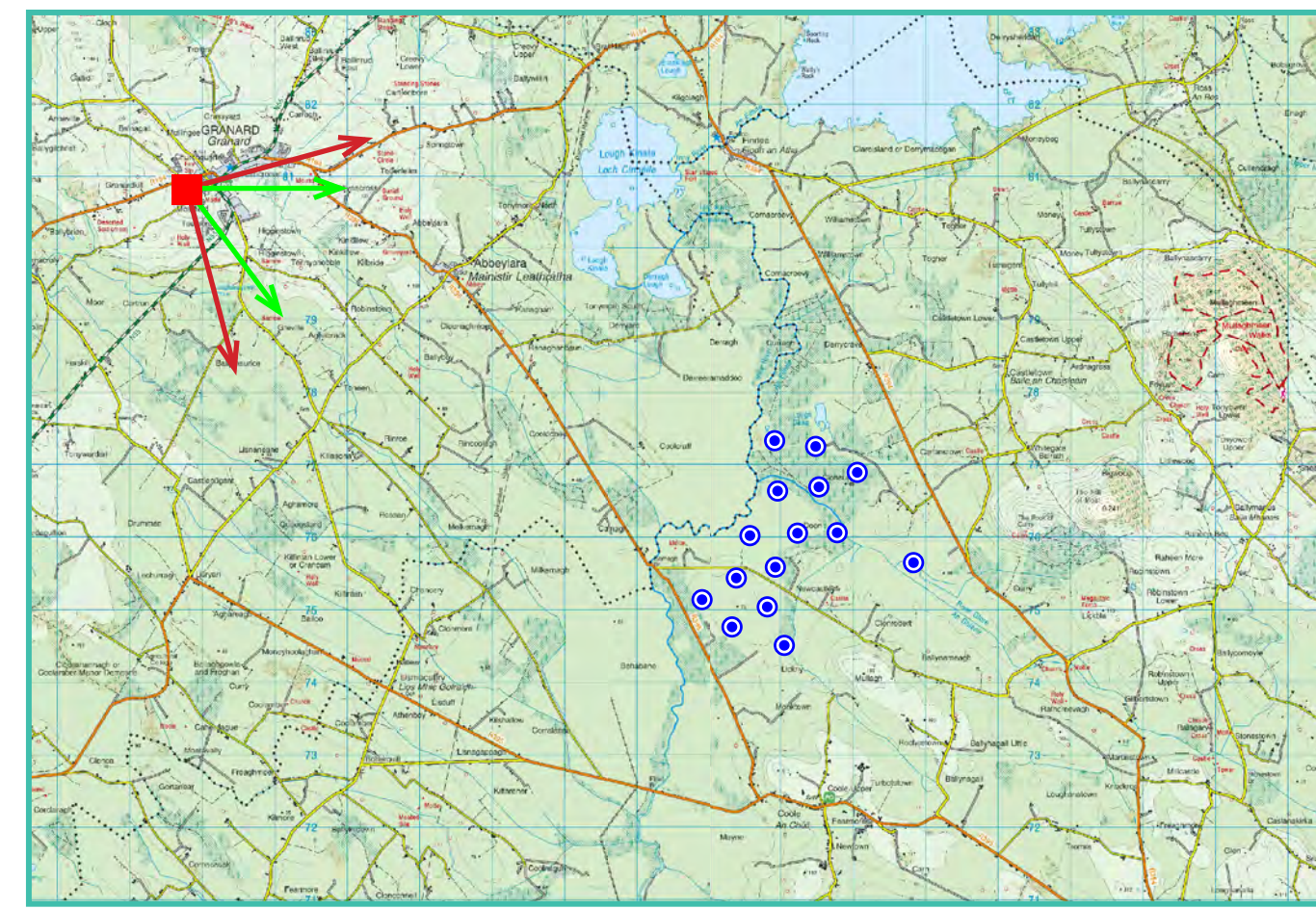
Photomontage 18

View Point: View from Granard Motte in the townland of Moatfield, approximately 8.6 kilometres from the nearest turbine.

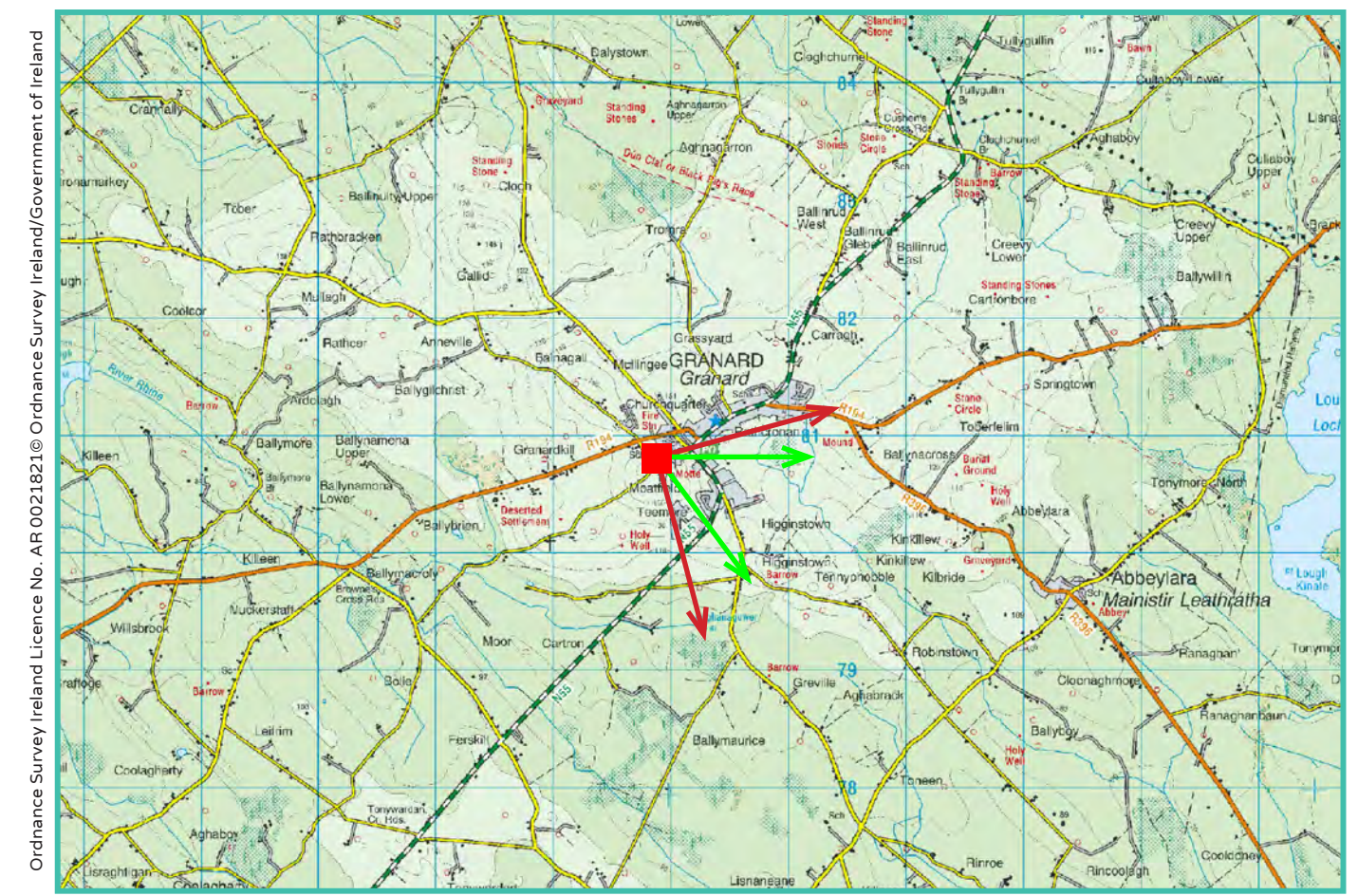
View point grid reference	232,979(E); 280,749(N)
Date of image taken	22.01.2021
Time of image taken	2:17pm
View point elevation	167m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	120°
Horizontal extent of proposed turbines	17°
Distance to nearest proposed turbine	8.6km (T1)
Number of proposed turbines visible	15/15
Turbine Hub Height	97.5m
Turbine Tip Height	175m
Turbine Rotor Diameter	155m
Camera	Canon EOS 600D with 1.5x sensor
Lens	35mm prime. Equivalent zoom range 52.5mm
Tripod	Manfrotto 190X extended to approx 1.65m.
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View point relative to 20km radius.



View point relative to wind farm site



Detail of view point location.

Map Legend

- Area shown in 90° view
- Area shown in 53.5° view
- View Point

Wireframe Legend

- Proposed Coole Wind Farm in Blue (15T)
- Permitted Coole Wind Farm in Green (13T)
- Existing Ballyjamesduff Wind Farm in Grey

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 E-mail: info@mkoireland.ie
 Website: www.mkoireland.ie



90° View Extent

Key Image at 120°

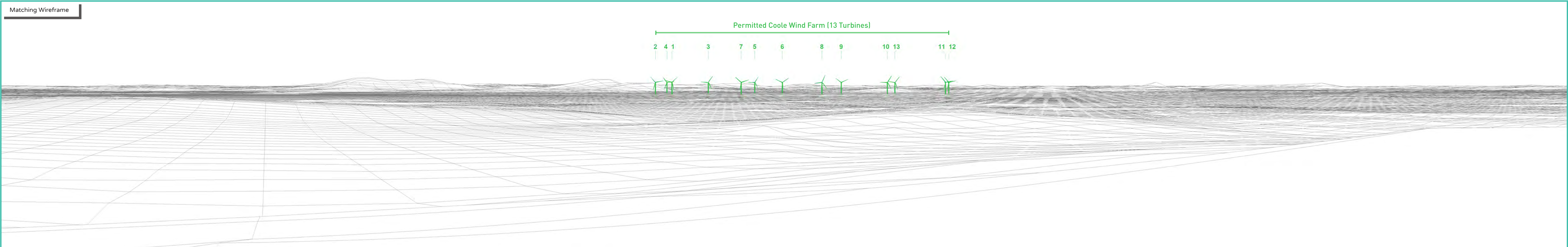


53.5° View Extent

Do-Nothing Scenario - Permitted Coole Wind Farm (13 Turbines) Photomontage at 90°



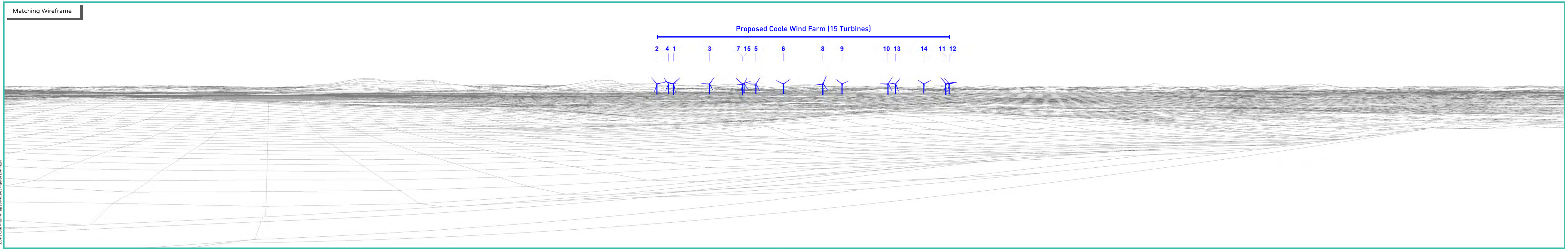
Matching Wireframe



Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 90°



Matching Wireframe



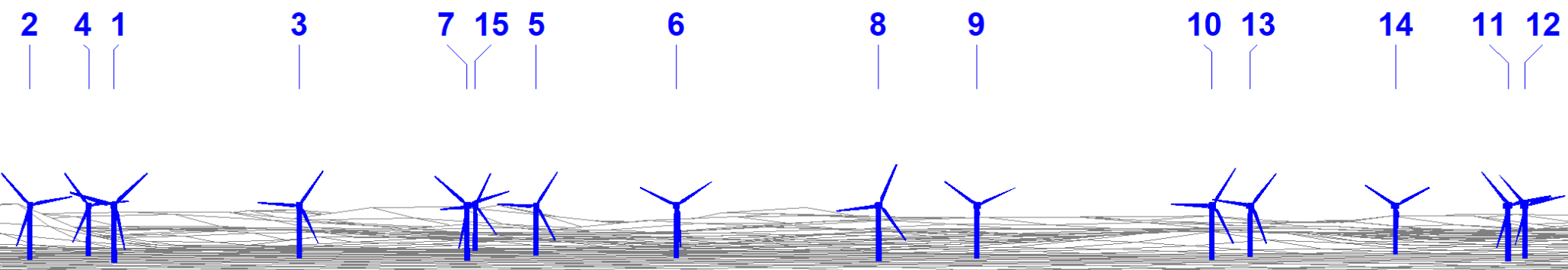
Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 53.5°



2024/45 Coole Photomontage Booklet 2021 Proposed & Permitted

Matching Wireframe

Proposed Coole Wind Farm (15 Turbines)



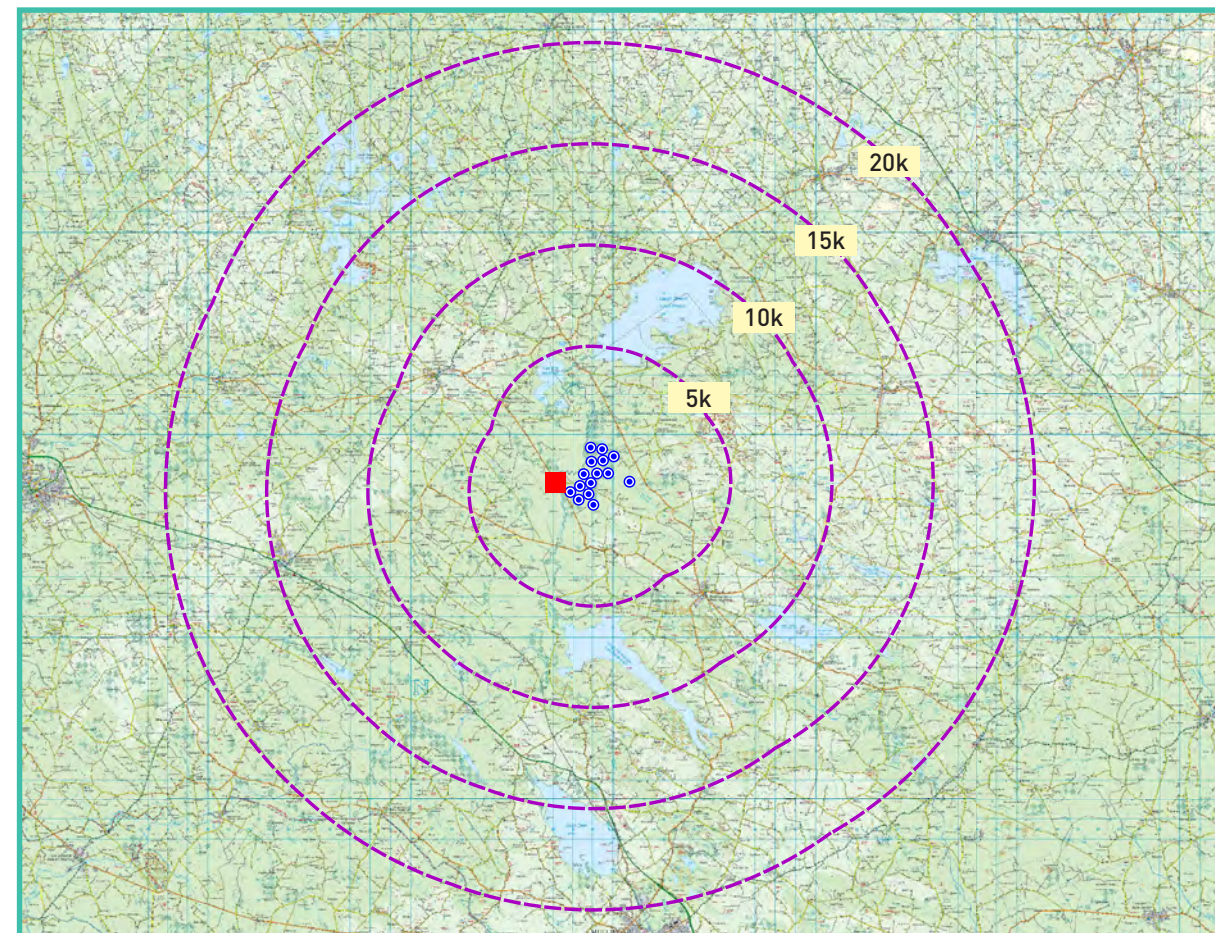
View Point 19

Camagh

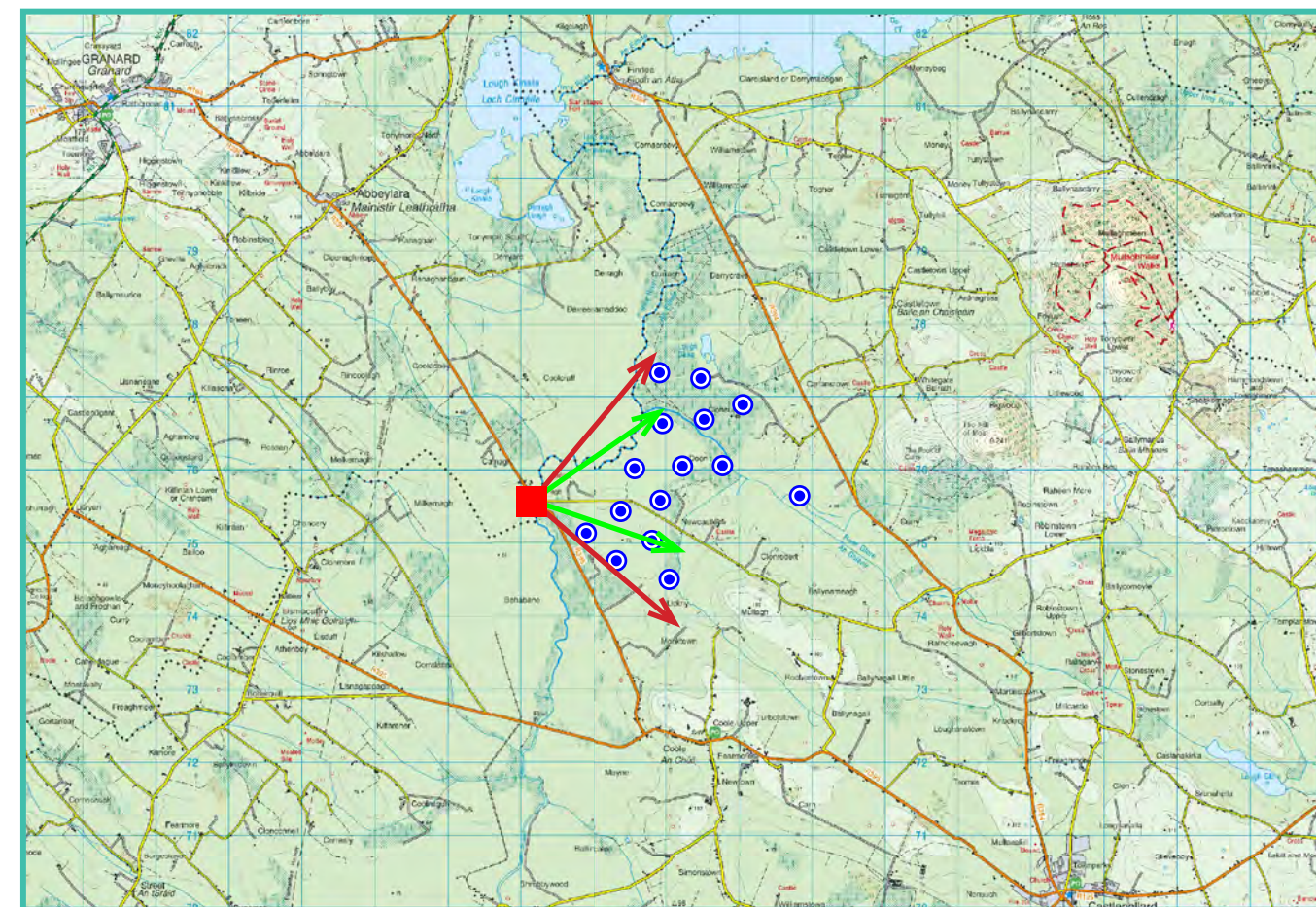
Photomontage 19

View Point: View from Regional Road R396 in the townland of Camagh, Co.Longford, approximately 0.9 kilometres from the nearest turbine.

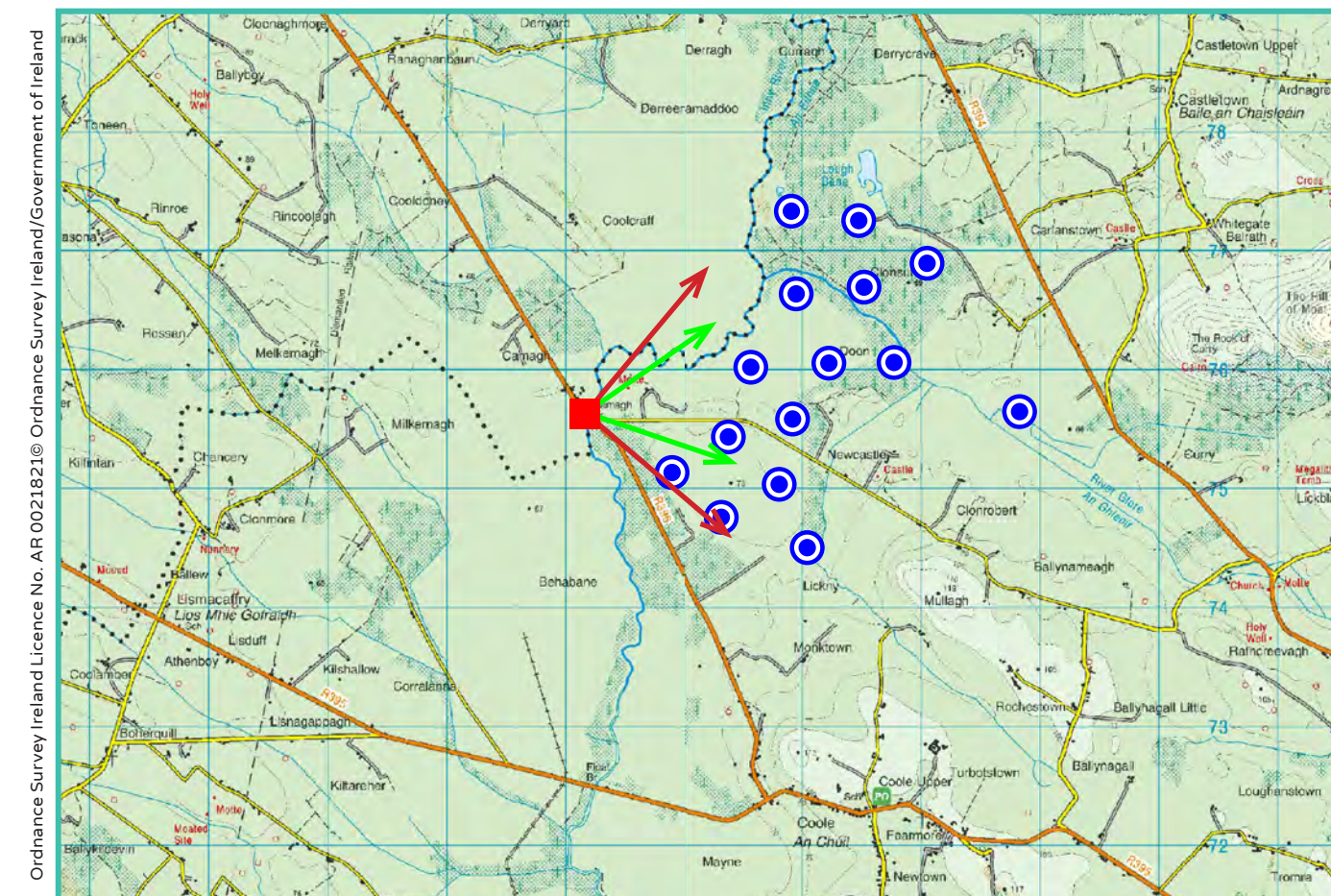
View point grid reference	239,148(E); 275,622(N)
Date of image taken	05.09.2017
Time of image taken	11:27am
View point elevation	70m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	85°
Horizontal extent of proposed turbines	83°
Distance to nearest proposed turbine	0.9km (T11)
Number of proposed turbines visible	3/15
Turbine Hub Height	97.5m
Turbine Tip Height	175m
Turbine Rotor Diameter	155m
Camera	Canon EOS 600D with 1.5x sensor
Lens	35mm prime. Equivalent zoom range 52.5mm
Tripod	Manfrotto 190X extended to approx 1.65m.
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View point relative to 20km radius.



View point relative to wind farm site



Detail of view point location.

Map Legend

Area shown in 90° view

Area shown in 53.5° view

View Point

Wireframe Legend

Proposed Coole Wind Farm in Blue (15T)

Permitted Coole Wind Farm in Green (13T)

Existing Ballyjamesduff Wind Farm in Grey

Prepared by

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Website: www.mkofireland.ie



90° View Extent

Key Image at 120°



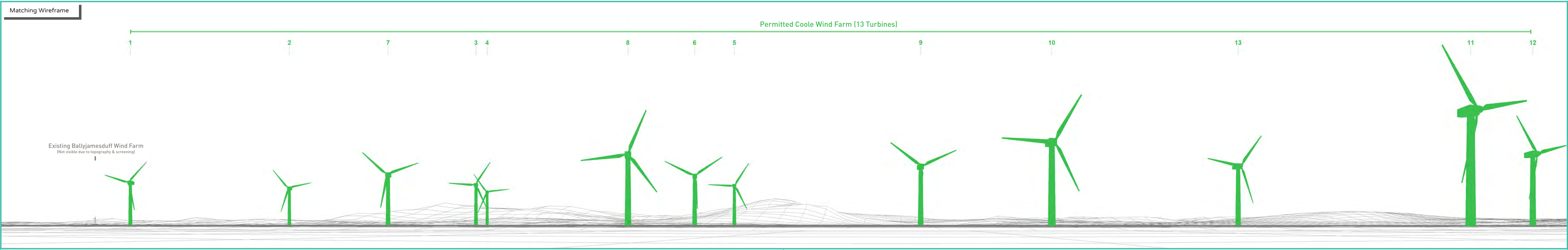
53.5° View Extent

Do-Nothing Scenario - Permitted Coole Wind Farm (13 Turbines) Photomontage at 90°



Matching Wireframe

Permitted Coole Wind Farm (13 Turbines)



Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 90°

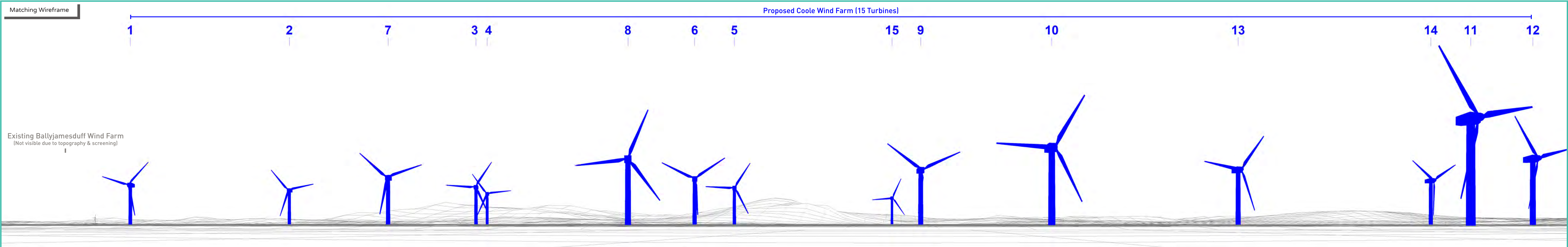


Matching Wireframe

Proposed Coole Wind Farm (15 Turbines)



Existing Ballyjamesduff Wind Farm
(Not visible due to topography & screening)



Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 53.5°



Matching Wireframe

Proposed Coole Wind Farm (15 Turbines)



7

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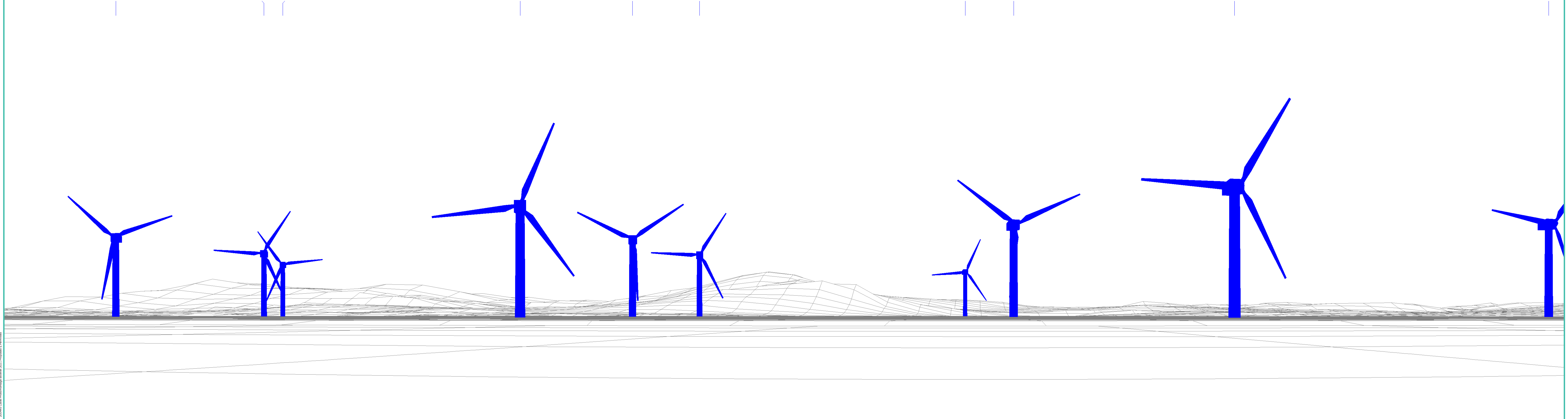
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13



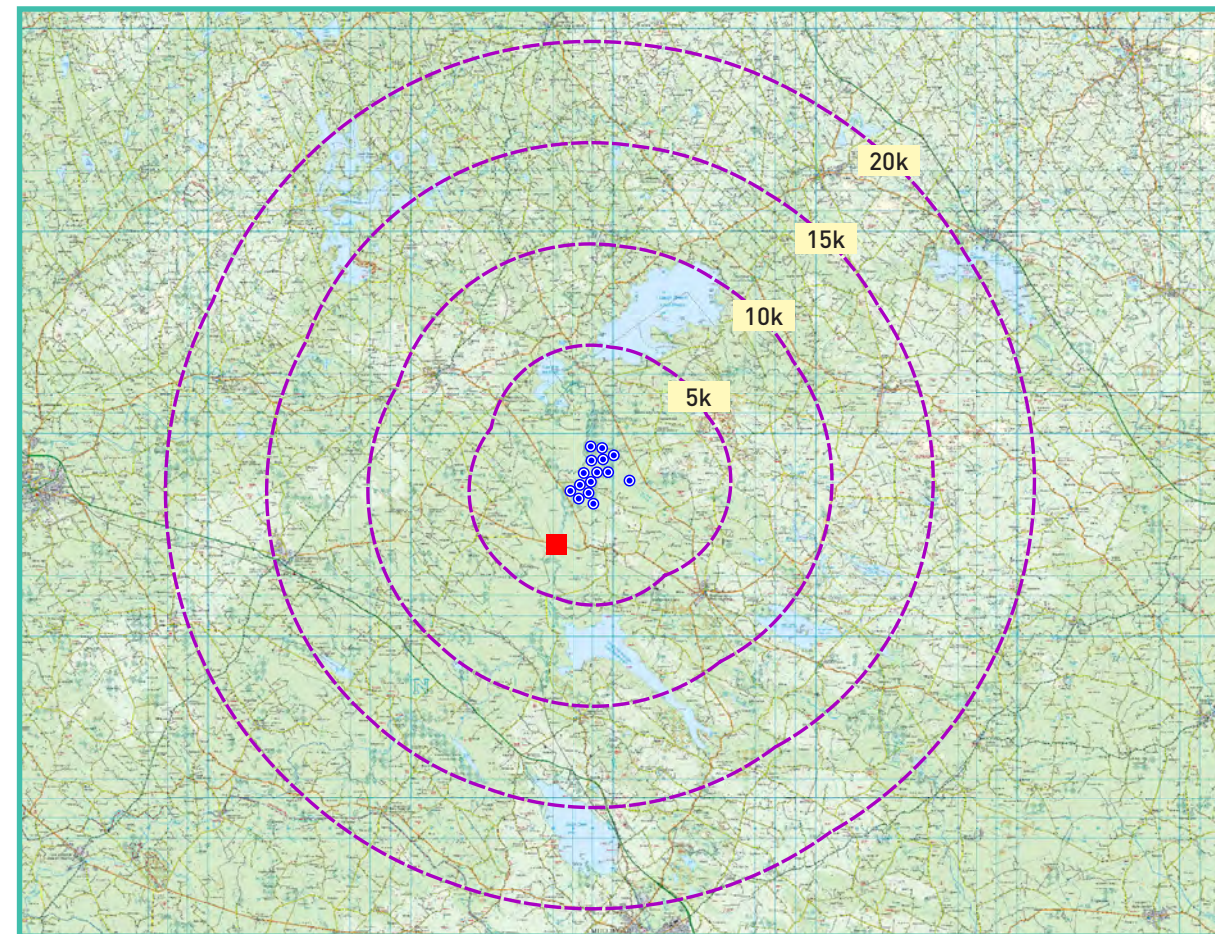
View Point 20

Mayne

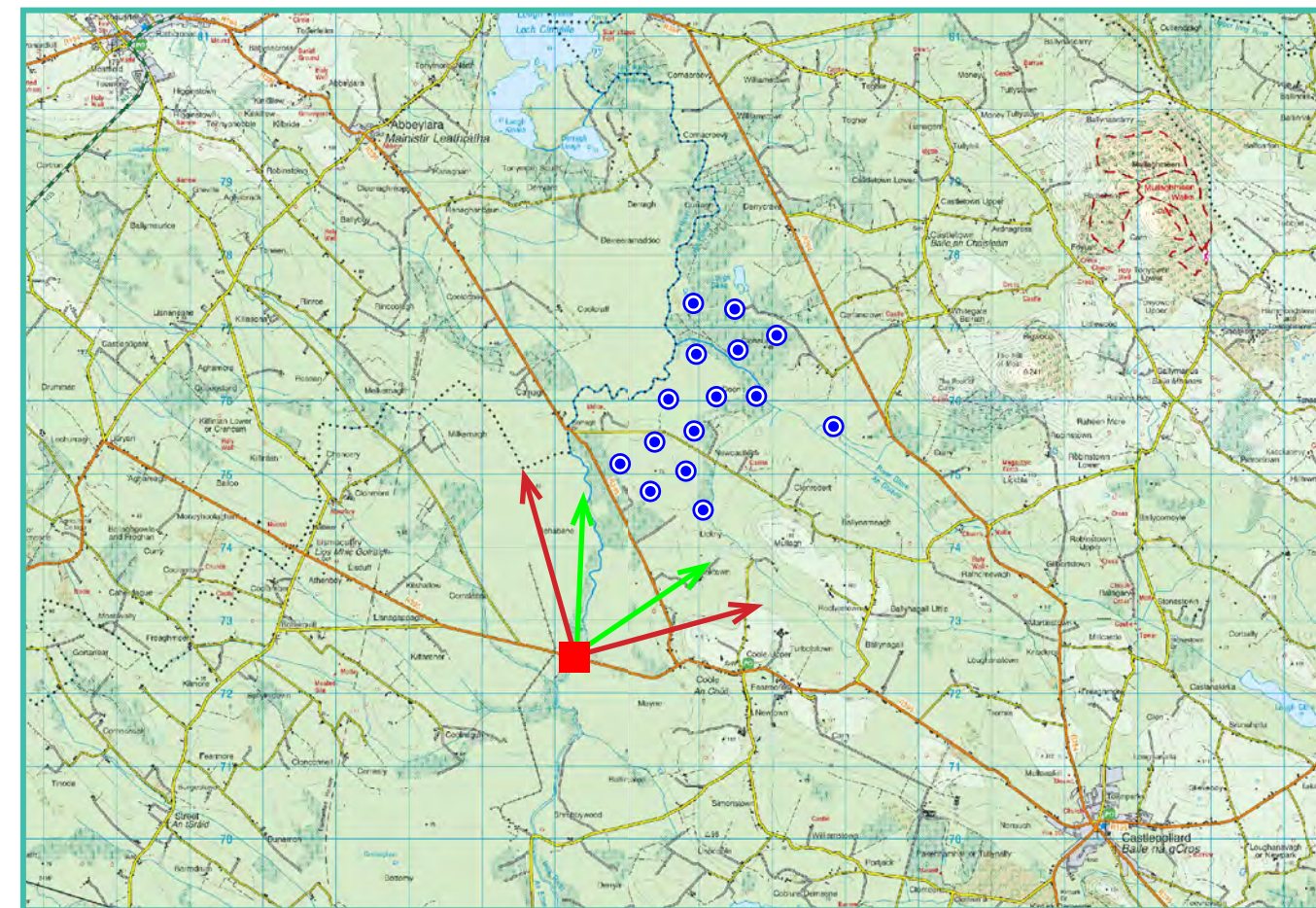
Photomontage 20

View Point: View from Regional Road R395 in the townland of Mayne, approximately 2.5 kilometres from the nearest turbine.

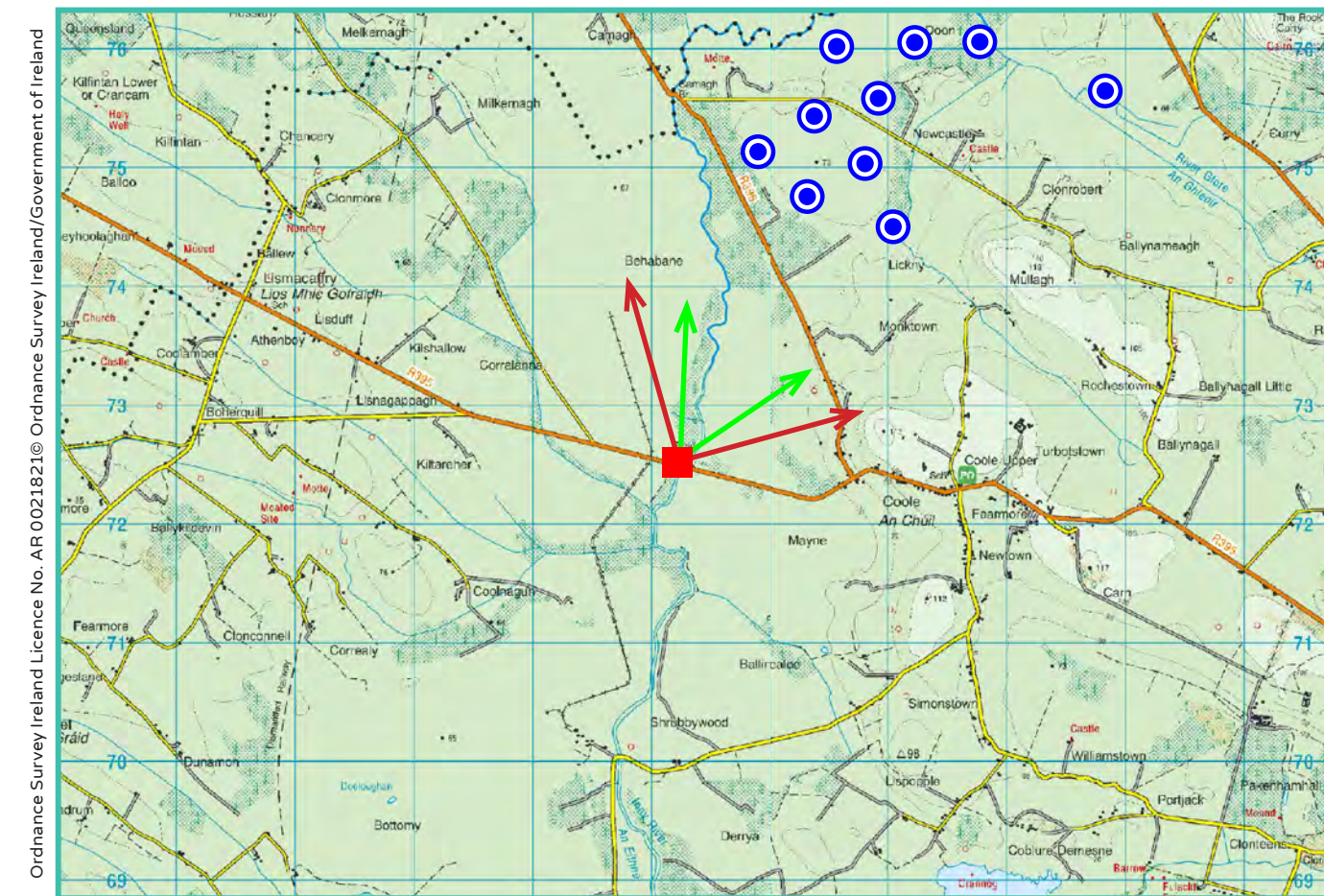
View point grid reference	239,242(E); 272,484(N)
Date of image taken	05.09.2017
Time of image taken	11:46am
View point elevation	70m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	30°
Horizontal extent of proposed turbines	34°
Distance to nearest proposed turbine	2.5km (T12)
Number of proposed turbines visible	2/15
Turbine Hub Height	97.5m
Turbine Tip Height	175m
Turbine Rotor Diameter	155m
Camera	Canon EOS 600D with 1.5x sensor
Lens	35mm prime. Equivalent zoom range 52.5mm
Tripod	Manfrotto 190X extended to approx 1.65m.
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View point relative to 20km radius.



View point relative to wind farm site



Detail of view point location.

Map Legend

Area shown in 90° view

Area shown in 53.5° view

View Point

Wireframe Legend

Proposed Coole Wind Farm in Blue (15T)

Permitted Coole Wind Farm in Green (13T)

Existing Ballyjamesduff Wind Farm in Grey

Prepared by

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90° View Extent

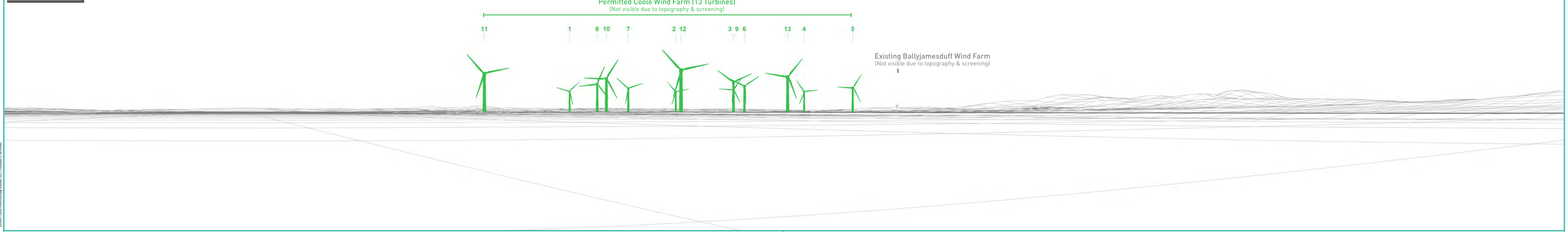
Key Image at 120°



53.5° View Extent



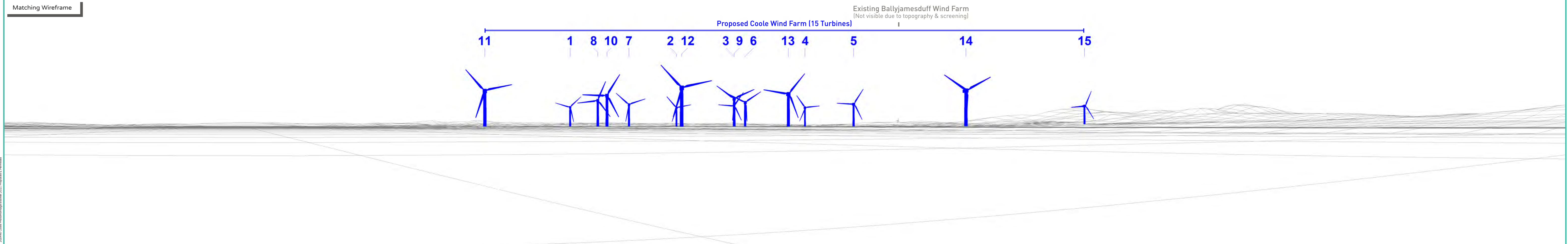
Matching Wireframe



Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 90°



Matching Wireframe



Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 53.5°



Matching Wireframe

Proposed Coole Wind Farm (15 Turbines)

11

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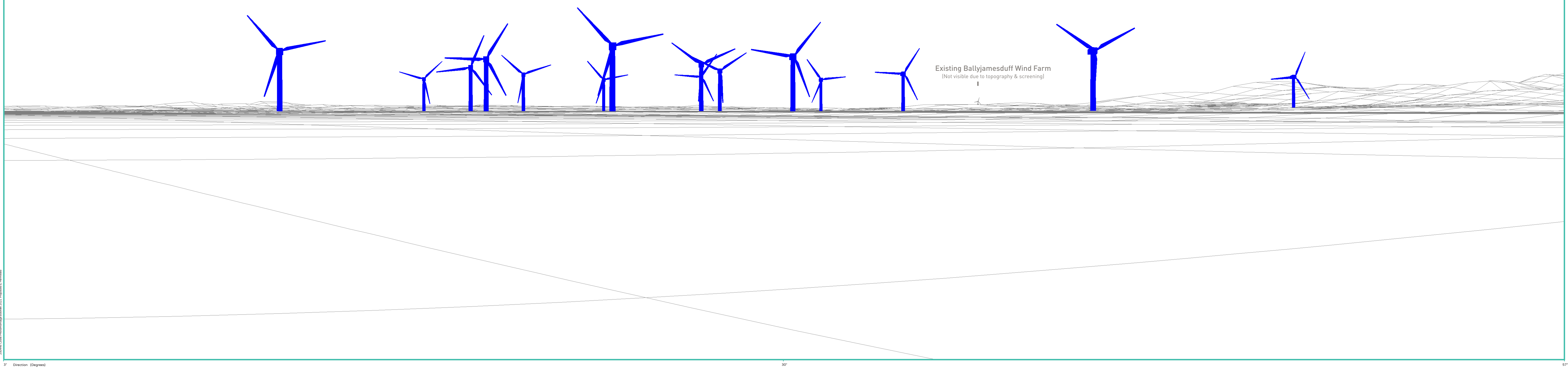
13

4

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14

15



Existing Ballyjamesduff Wind Farm
(Not visible due to topography & screening)

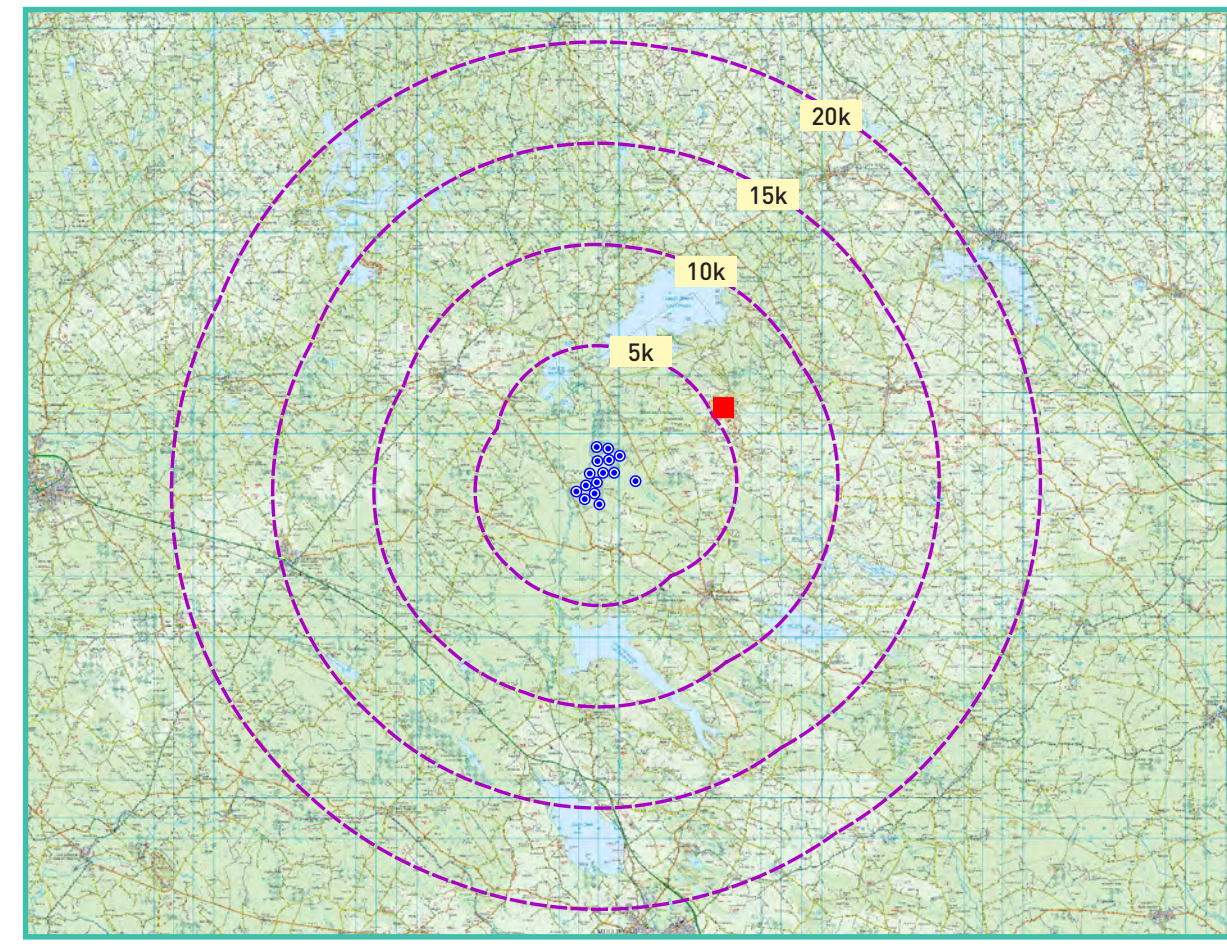
Mullaghmeen

View Point 21

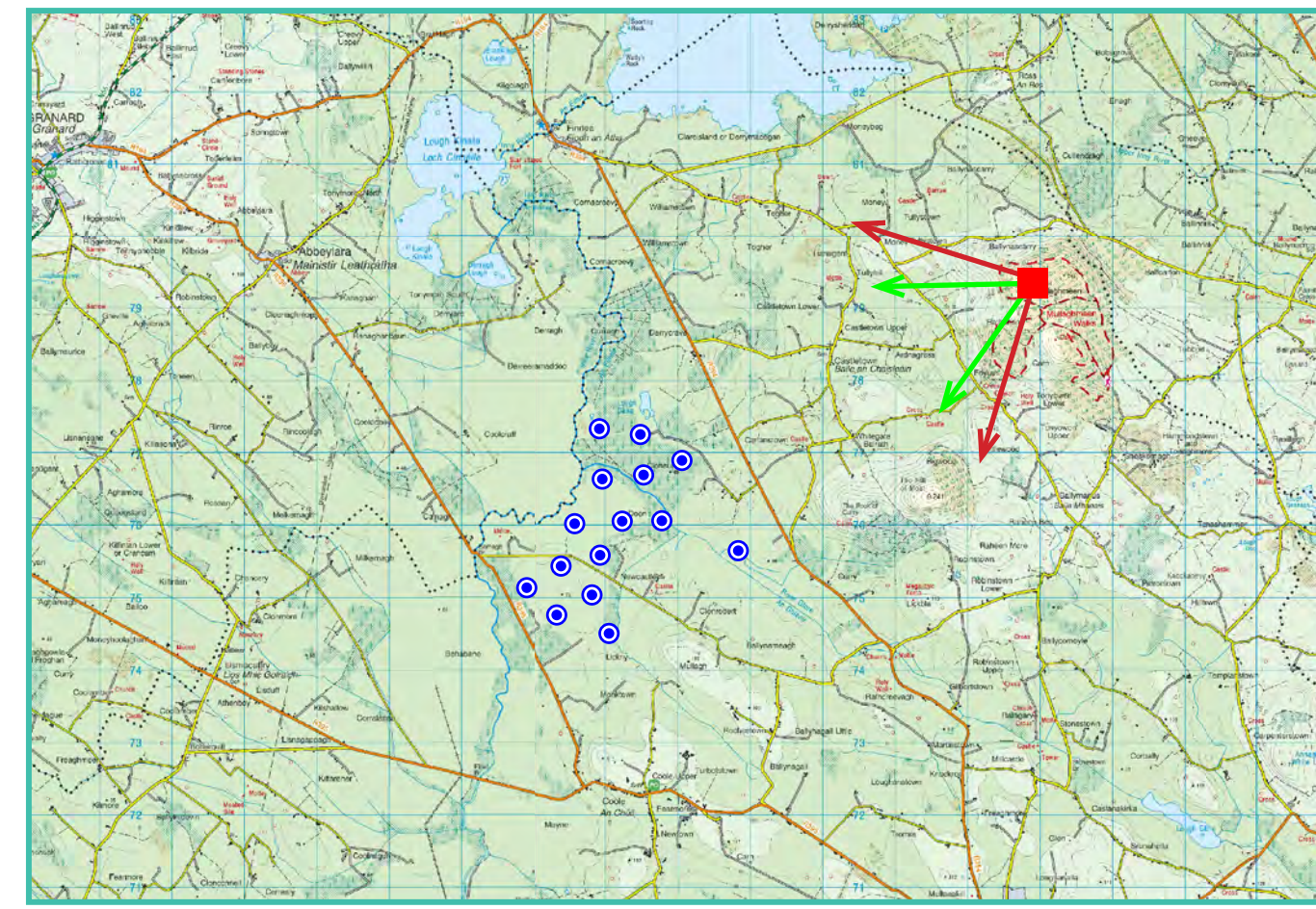
Photomontage 21

View Point: View from the cairn at Mullaghmeen, approximately 5.3 kilometres from the nearest turbine.

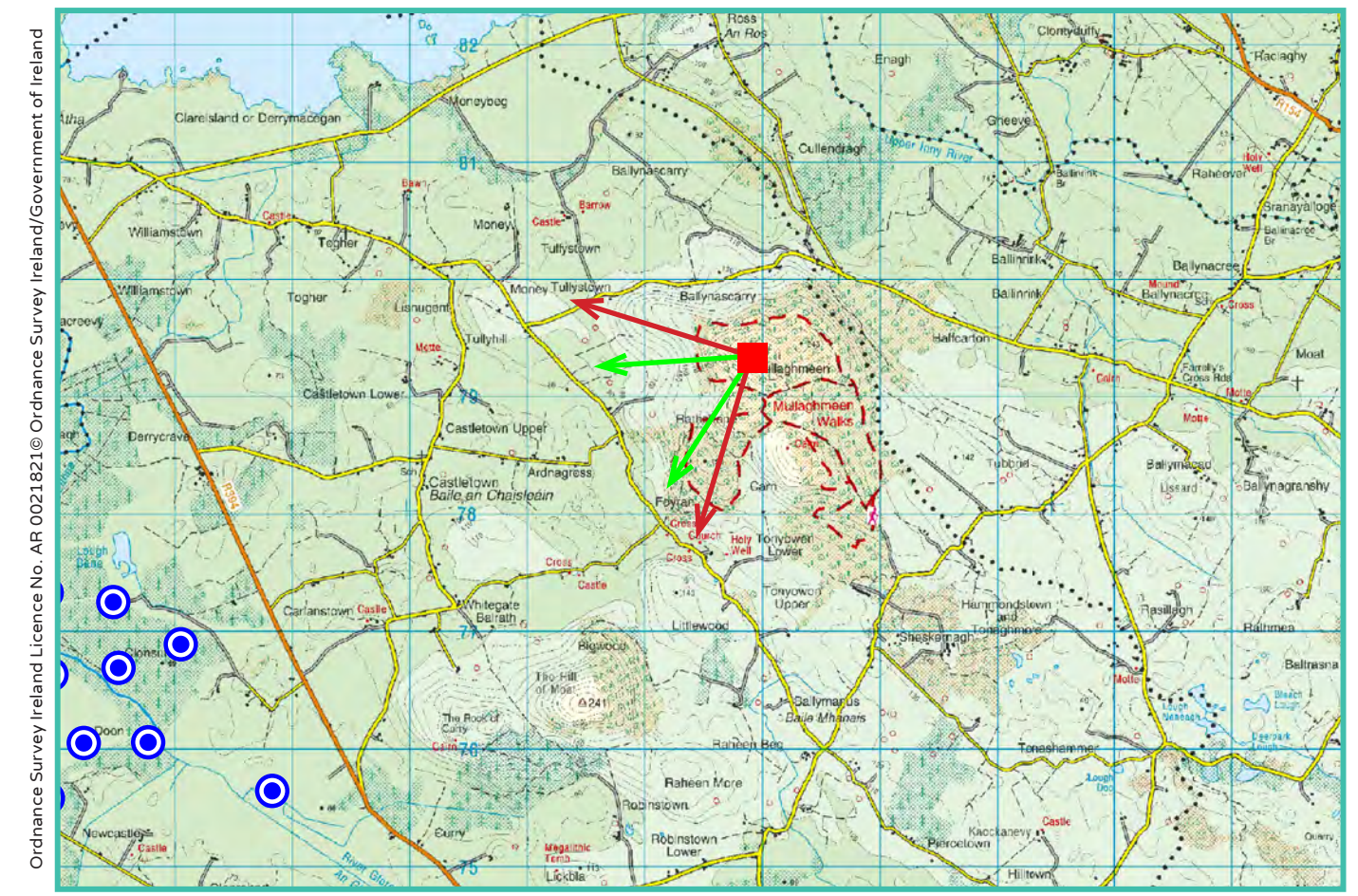
View point grid reference	246,779(E); 279,354(N)
Date of image taken	05.09.2017
Time of image taken	1:44pm
View point elevation	247m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	239°
Horizontal extent of proposed turbines	25°
Distance to nearest proposed turbine	5.3 km (T4)
Number of proposed turbines visible	15/15
Turbine Hub Height	97.5m
Turbine Tip Height	175m
Turbine Rotor Diameter	155m
Camera	Canon EOS 600D with 1.5x sensor
Lens	35mm prime. Equivalent zoom range 52.5mm
Tripod	Manfrotto 190X extended to approx 1.65m.
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View point relative to 20km radius.



View point relative to wind farm site



Detail of view point location.

Map Legend

- Area shown in 90° view ↗
- Area shown in 53.5° view ↗
- View Point ■

Wireframe Legend

- Proposed Coole Wind Farm in Blue (15T)
- Permitted Coole Wind Farm in Green (13T)
- Existing Ballyjamesduff Wind Farm in Grey

Prepared by

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 Planning & Environmental Consultants
 Tuam Road, Galway.
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 Website: www.mkofireland.ie



90° View Extent

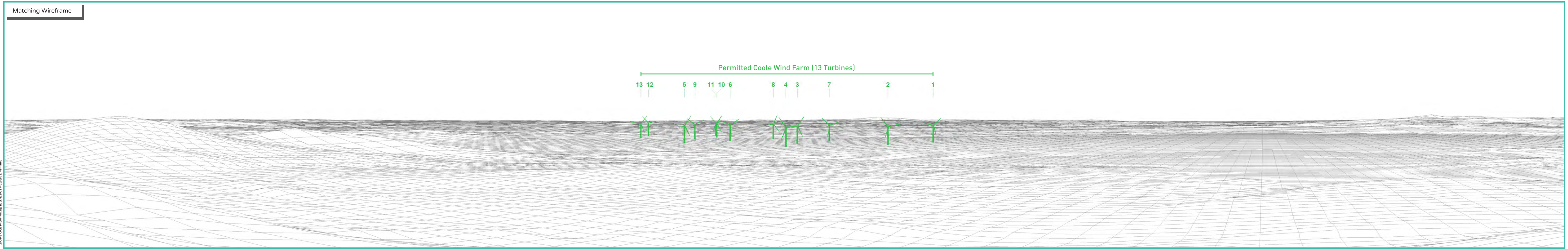


53.5° View Extent

Do-Nothing Scenario - Permitted Coole Wind Farm (13 Turbines) Photomontage at 90°

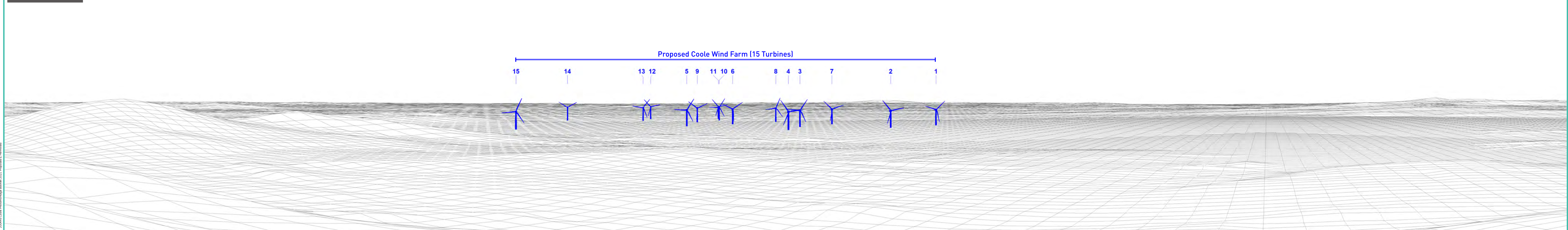


Matching Wireframe





Matching Wireframe

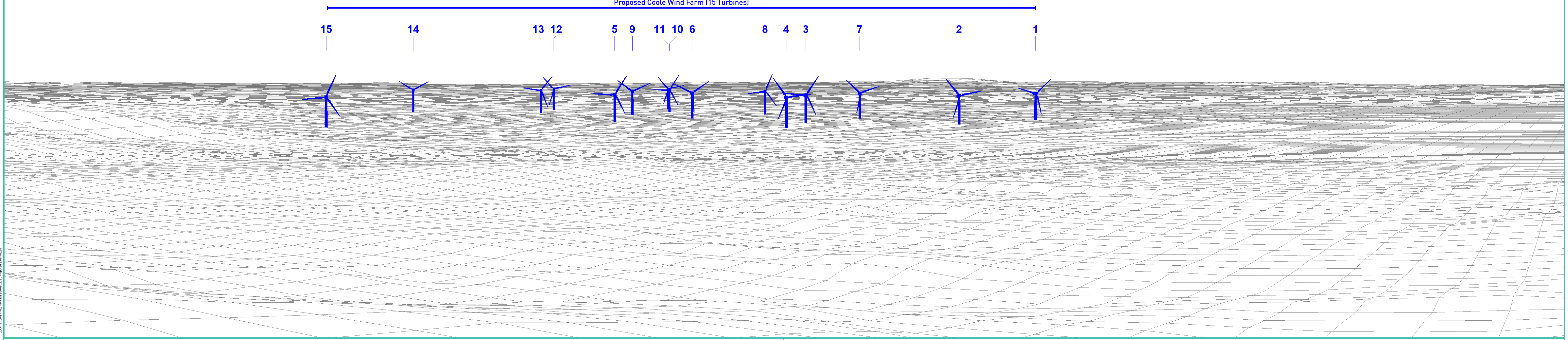


Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 53.5°

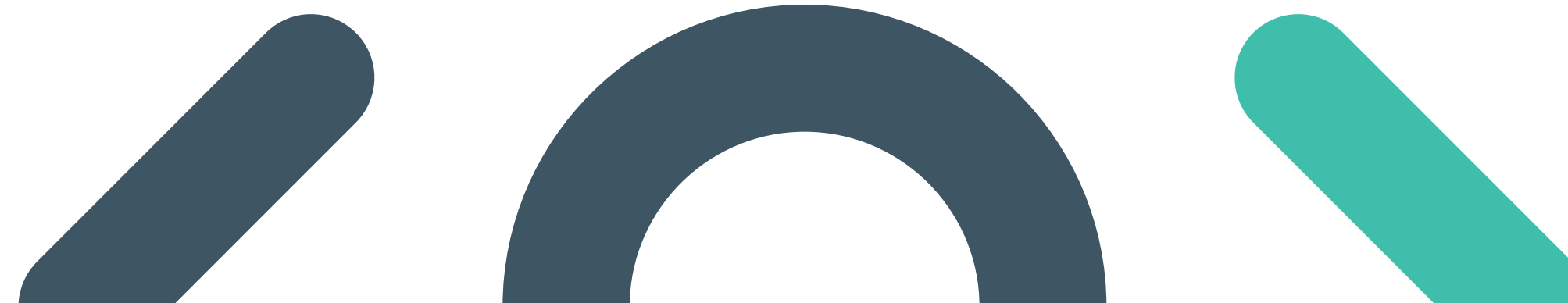


Matching Wireframe

Proposed Coole Wind Farm (15 Turbines)



Additional Photomontage for
Archaeological Assessment



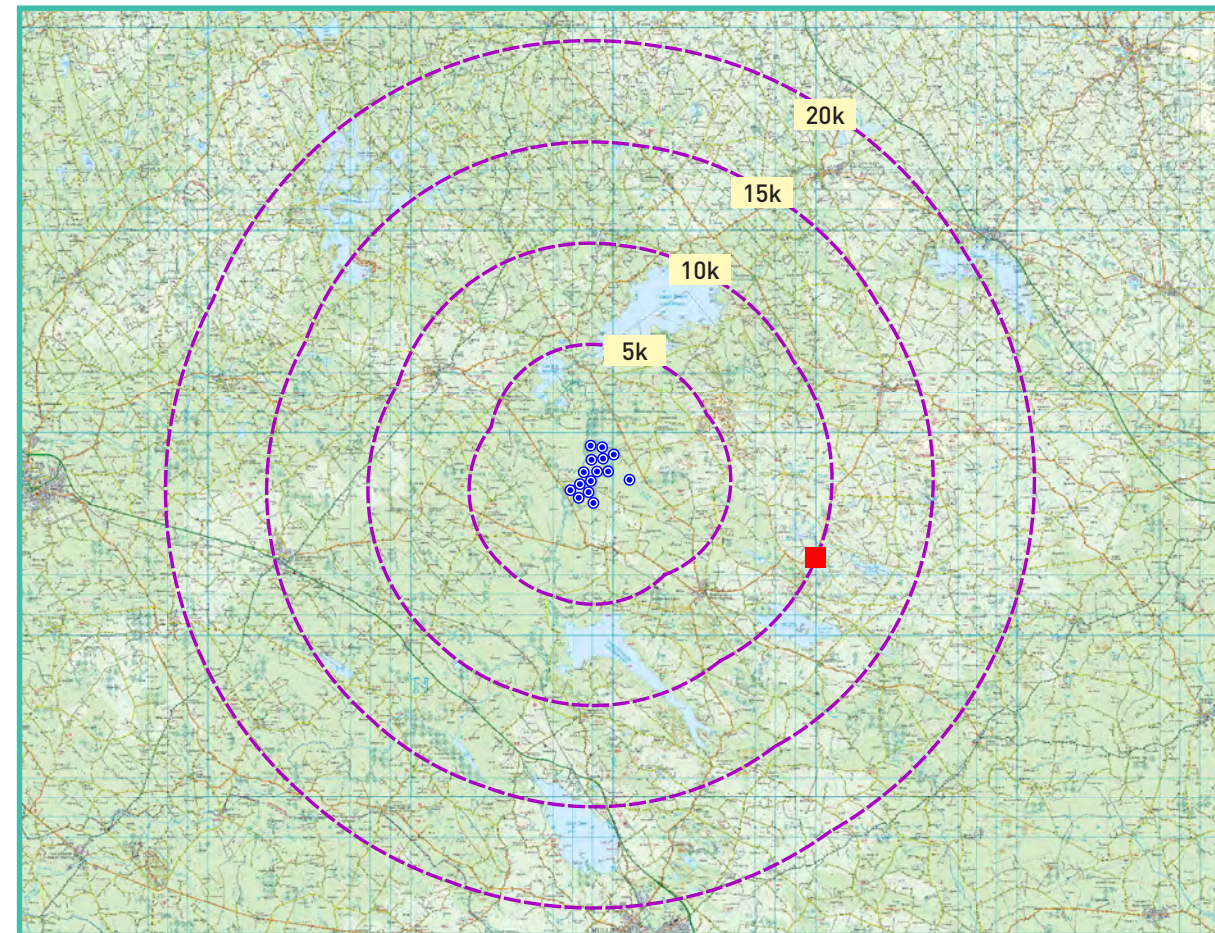
View Point 22

Fore Abbey

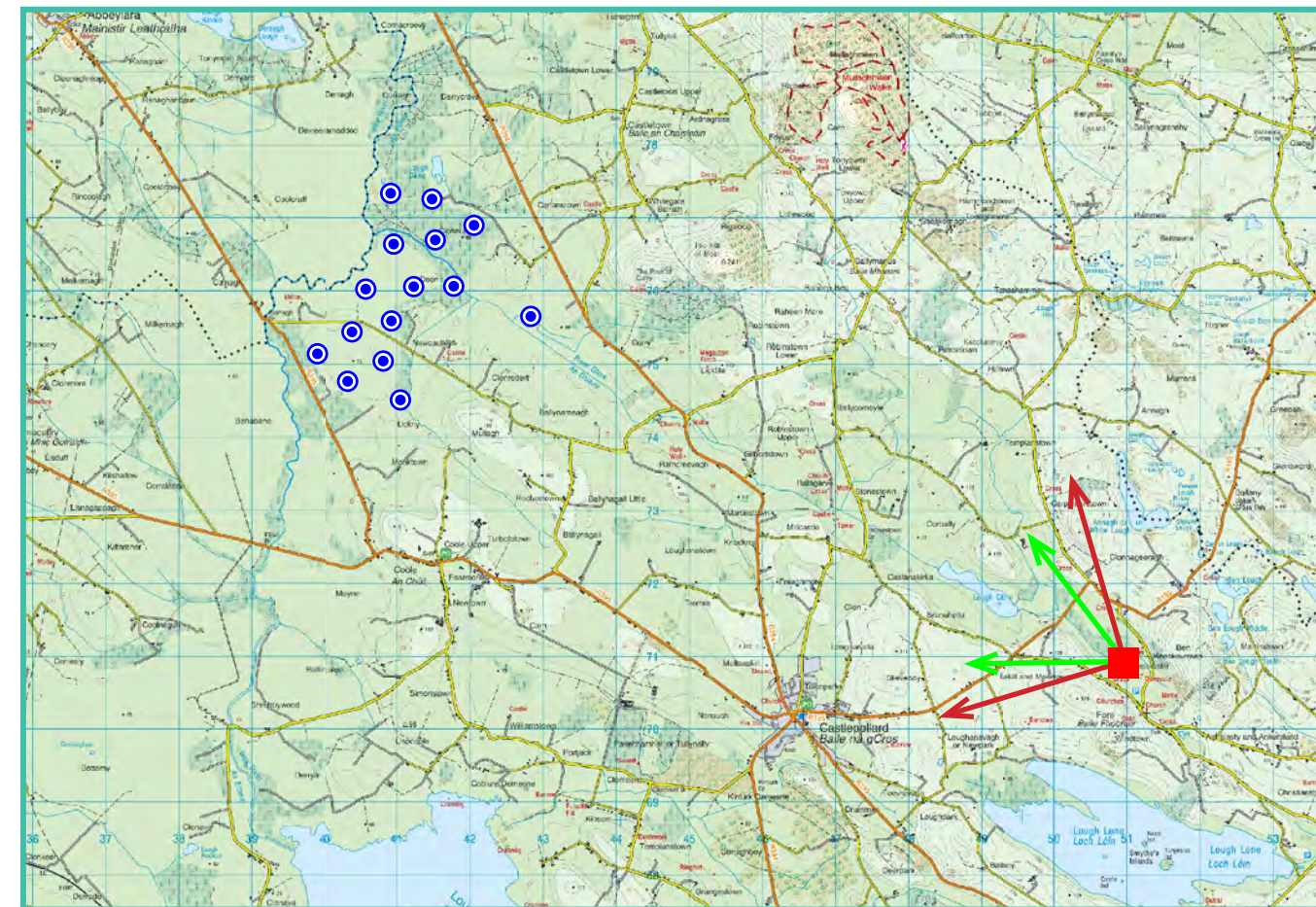
Photomontage 22

View Point: View from Fore Abbey in the townland of Fore, approximately 9.6 kilometres south east of the nearest proposed turbine location.

View point grid reference	251,090(E); 270,744(N)
Date of image taken	11.01.2017
Time of image taken	10.20am
View point elevation	85m
Angle of Views	90° / 53.5°
View Direction (Image Centre)	297°
Horizontal extent of proposed turbines	14°
Distance to nearest proposed turbine	9.6 km (T15)
Number of proposed turbines visible	3/15
Turbine Hub Height	97.5m
Turbine Tip Height	175m
Turbine Rotor Diameter	155m
Camera	Canon EOS 600D with 1.5x sensor
Lens	35mm prime. Equivalent zoom range 52.5mm
Tripod	Manfrotto 190X extended to approx 1.65m.
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View point relative to 20km radius.



View point relative to wind farm site



Detail of view point location.

Map Legend

Area shown in 90° view



Area shown in 53.5° view



View Point



Wireframe Legend

Proposed Coole Wind Farm in Blue (15T)

Permitted Coole Wind Farm in Green (13T)

Existing Ballyjamesduff Wind Farm in Grey

Prepared by

MKO
Planning & Environmental Consultants
Tuam Road, Galway.

Tel: (091) 73 56 11
E-mail: info@mkofireland.ie
Website: www.mkofireland.ie



90° View Extent

Key Image at 120°

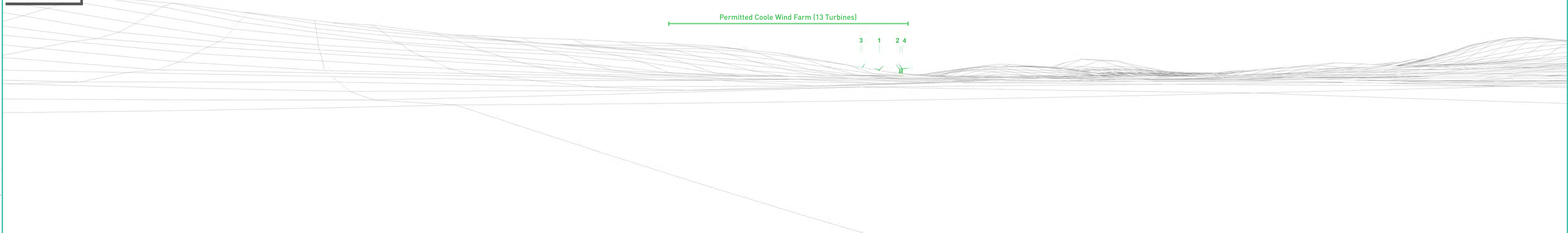


53.5° View Extent

Do-Nothing Scenario - Permitted Coole Wind Farm (13 Turbines) Photomontage at 90°



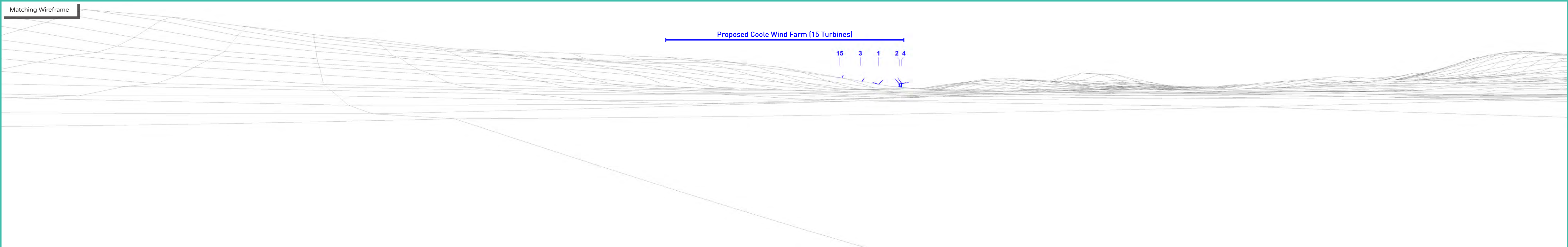
Matching Wireframe



Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 90°



Matching Wireframe



Proposed Coole Wind Farm (15 Turbines)

15 3 1 2 4

Proposed Coole Wind Farm (15 Turbines) Photomontage with Cumulative at 53.5°



Matching Wireframe

Proposed Coole Wind Farm (15 Turbines)

15 3 1 2 4

