

**Environmental Impact Assessment Report**  
**Proposed Derrinlough Wind Farm, Co. Offaly**  
**Volume 2**

Photomontage Booklet







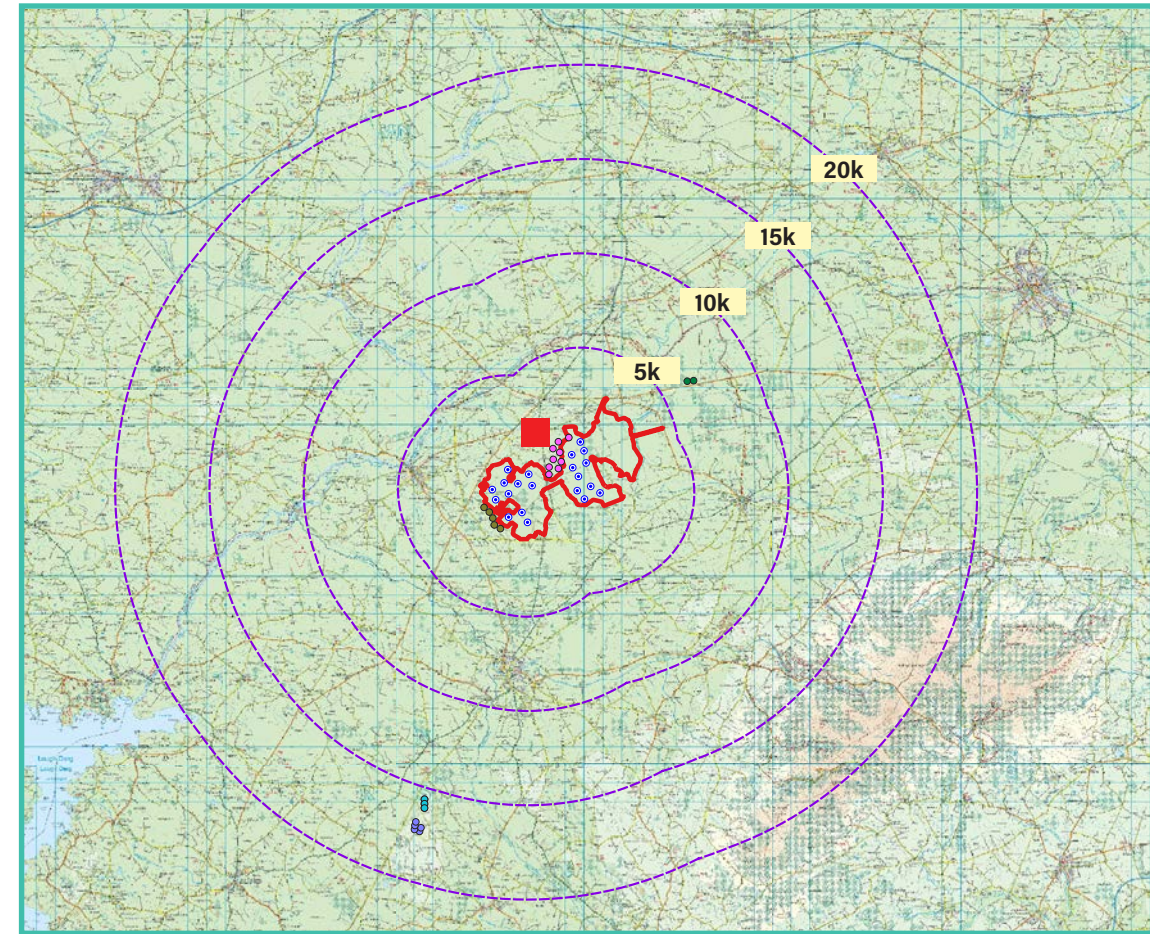
View Point  
1

Stonestown

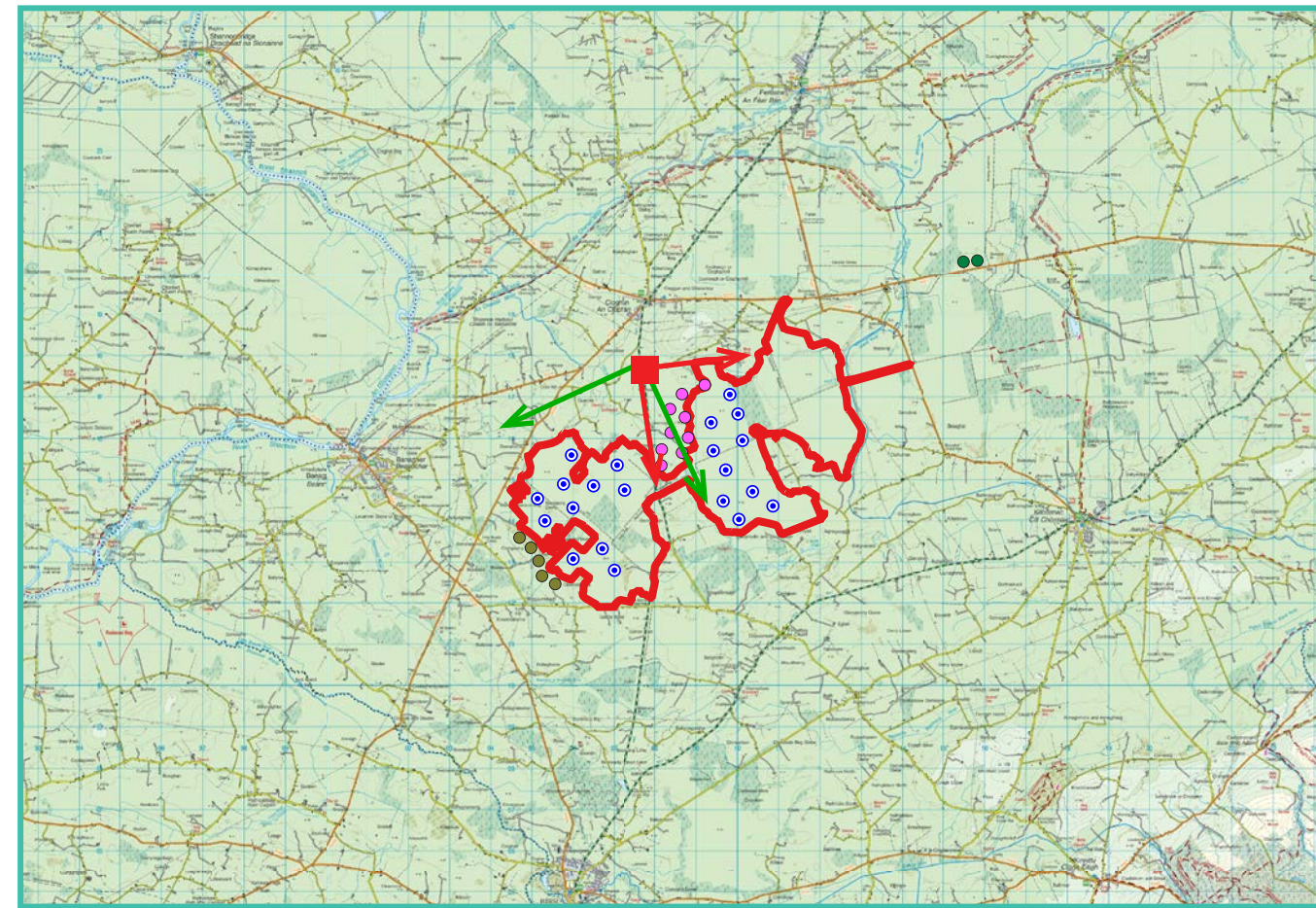
# Photomontage 1

**View Point:** View from the N62 national road in the townland of Stonestown, approximately 2.17 km north-west of the nearest turbine.

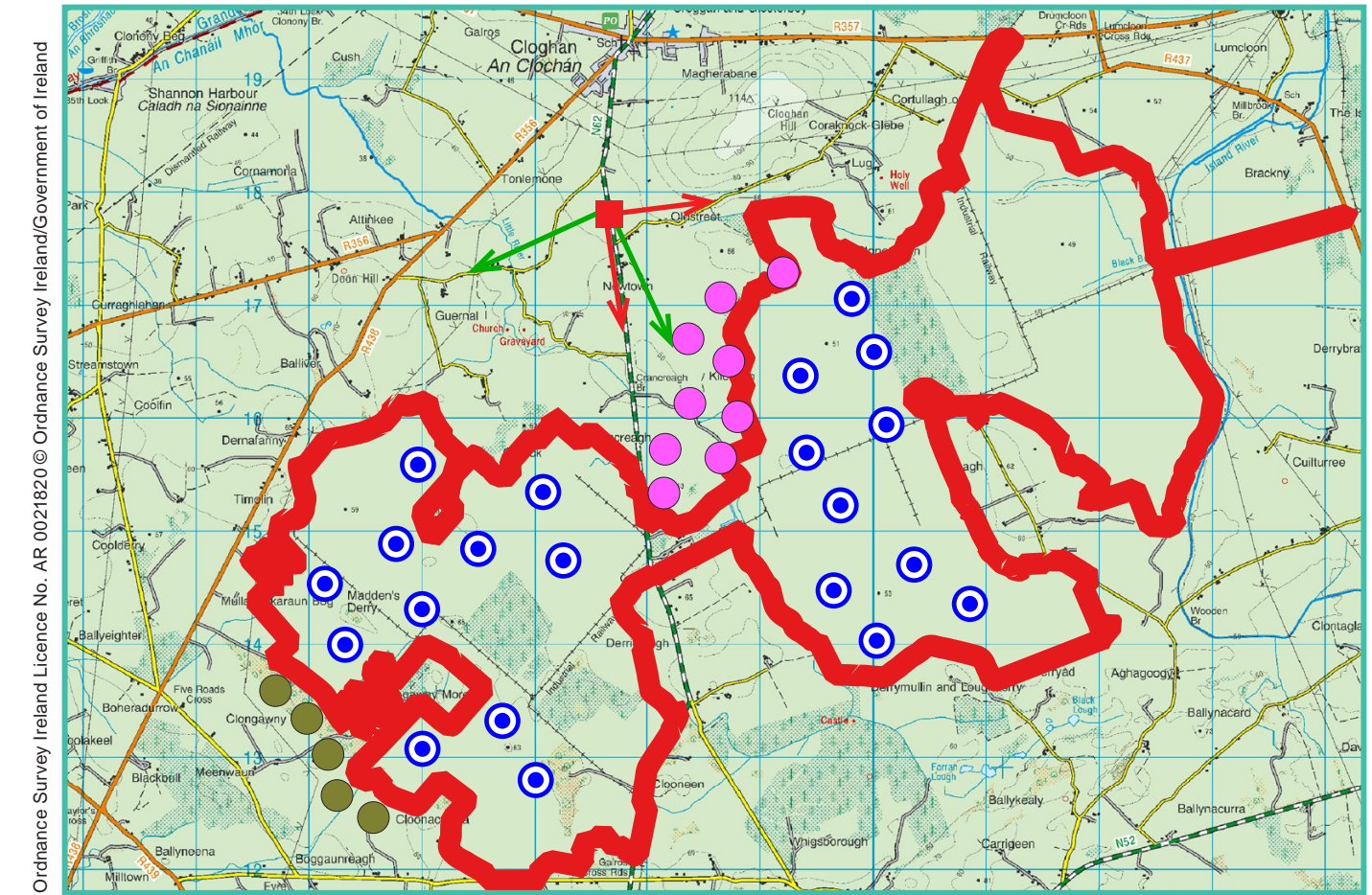
View point grid reference	207,683(E); 217,765(N)
Date of image taken	08.11.2018
Time of image taken	10:06am
View point elevation	53m
Angle of Views	90° / 53.4°
View Direction (Image Centre)	128° / 204°
Horizontal extent of proposed turbines	128°
Distance to nearest proposed turbine	2.17km (T21)
Number of proposed turbines visible	19/21
Turbine Hub Height	110m
Turbine Tip Height	185m
Turbine Rotor Diameter	150m
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 (core boundary outlined in red).



Detail of view point location.

## Map Legend

Area shown in 90-degree view

View point

EIAR Site Boundary

Proposed Derrinlough Wind Farm

Permitted Cloghan Wind Farm

Existing Meenawun Wind Farm

Existing Leabag Wind Farm

Existing Carrig Wind Farm

Existing Skehanagh Wind Farm

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Website: www.mkoireland.ie



90 - Degree View Extent South East

90 - Degree View Extent South West

Key image at 180 degrees



53.5 Degree View Extent South East View

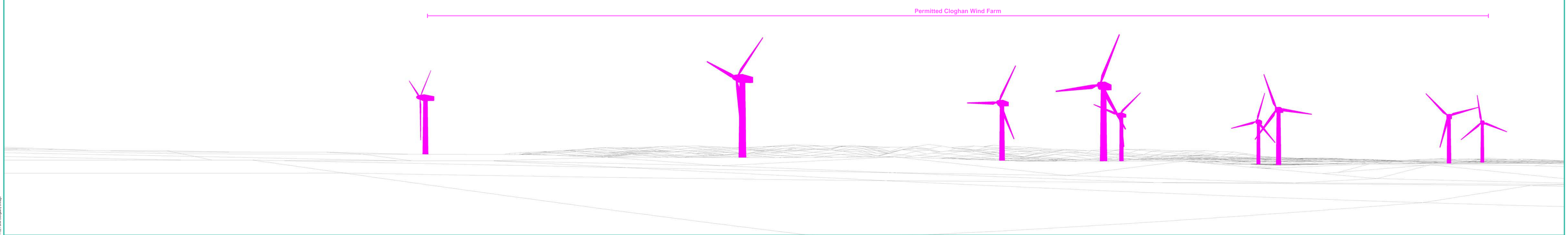
53.5-Degree View Extent South West



Do nothing scenario at 90 South East View



Matching wireframe



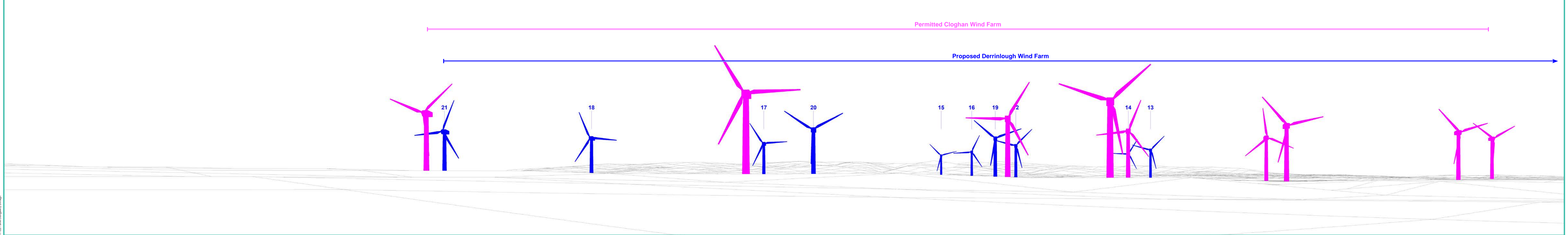
Permitted Cloghan Wind Farm



Proposed Photomontage at 90° with Cumulative South East View



Matching wireframe





Proposed Photomontage at 53.5° with Cumulative South East View





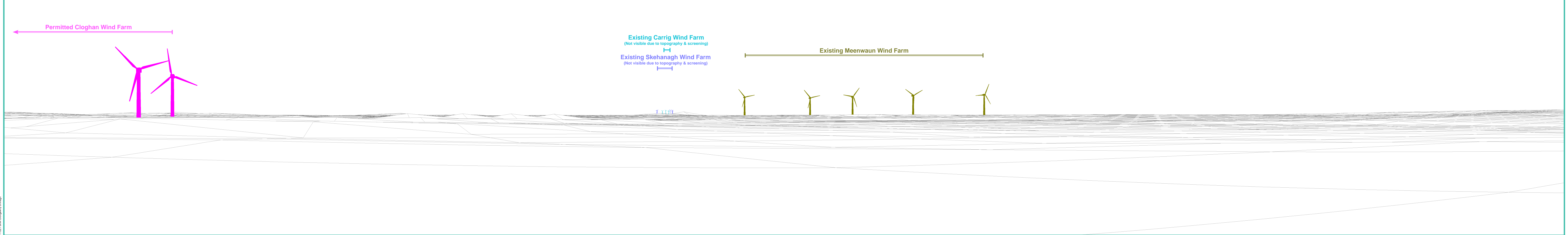




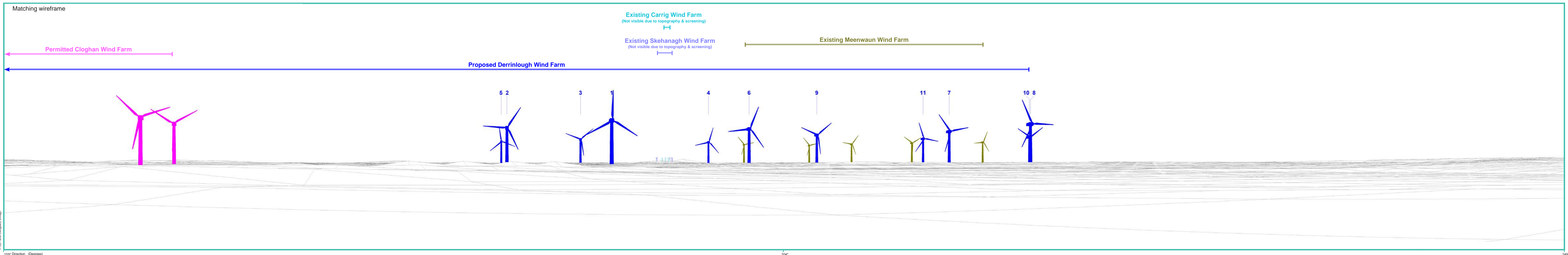
Do nothing scenario at 90° South West View



Matching wireframe









Proposed Photomontage at 53.5° with Cumulative South West View





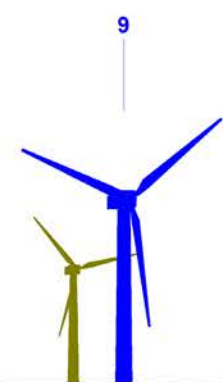
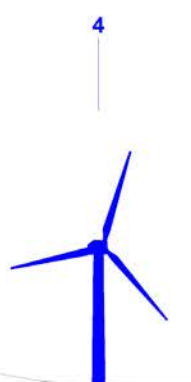
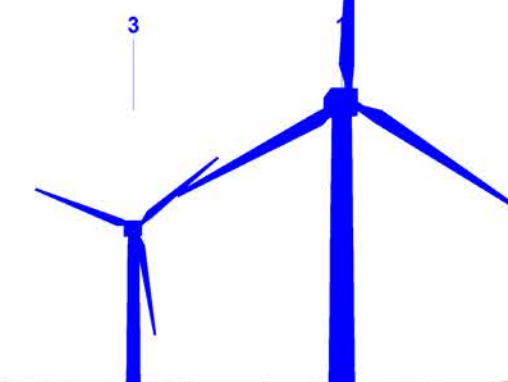
Matching wireframe

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

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

Existing Meenwaun Wind Farm

Proposed Derrinlough Wind Farm



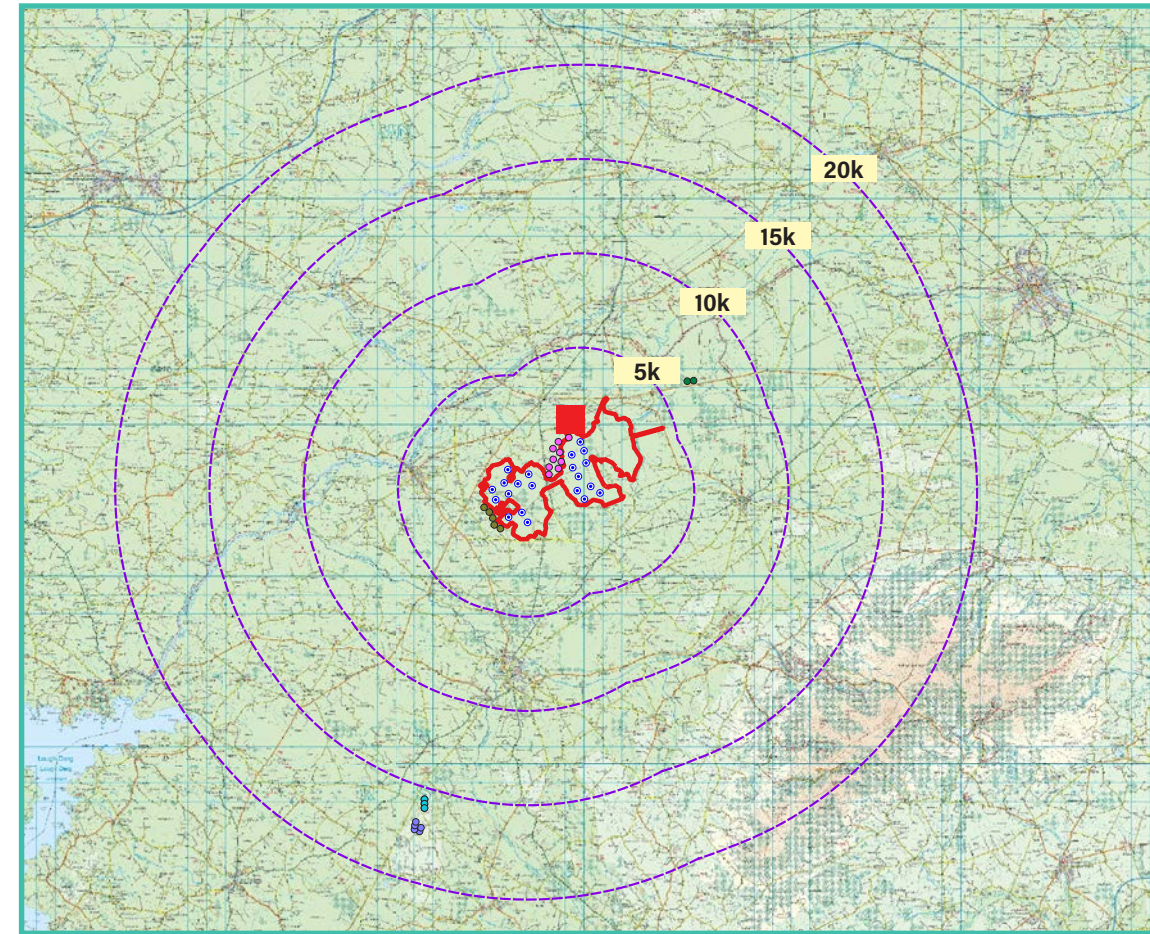




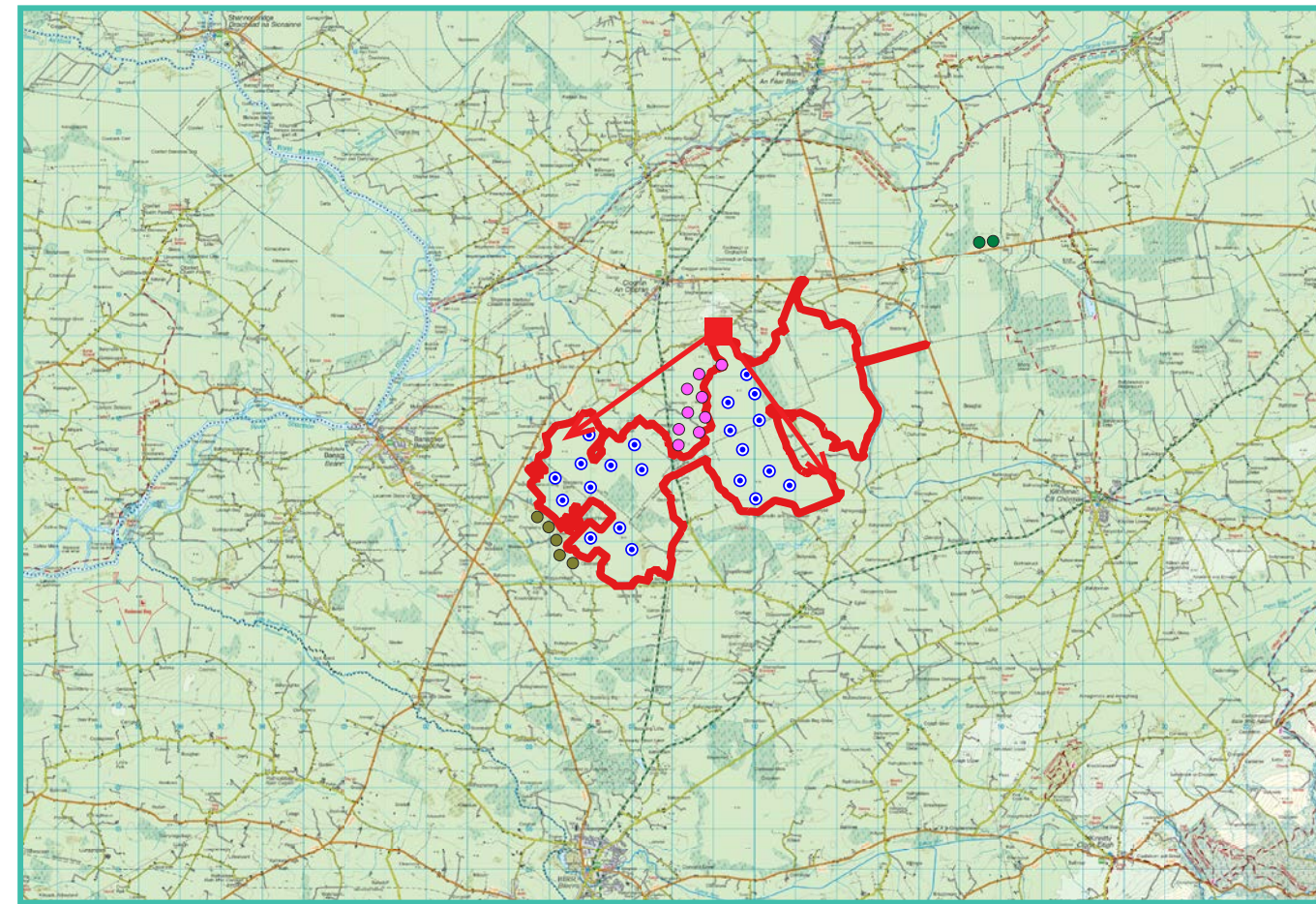
### Photomontage 2

**View Point:** View from the No. L-07009 local road in the townland of Stonestown, designated as County Offaly scenic view V12, approximately 1.27 km north-west of the nearest turbine.

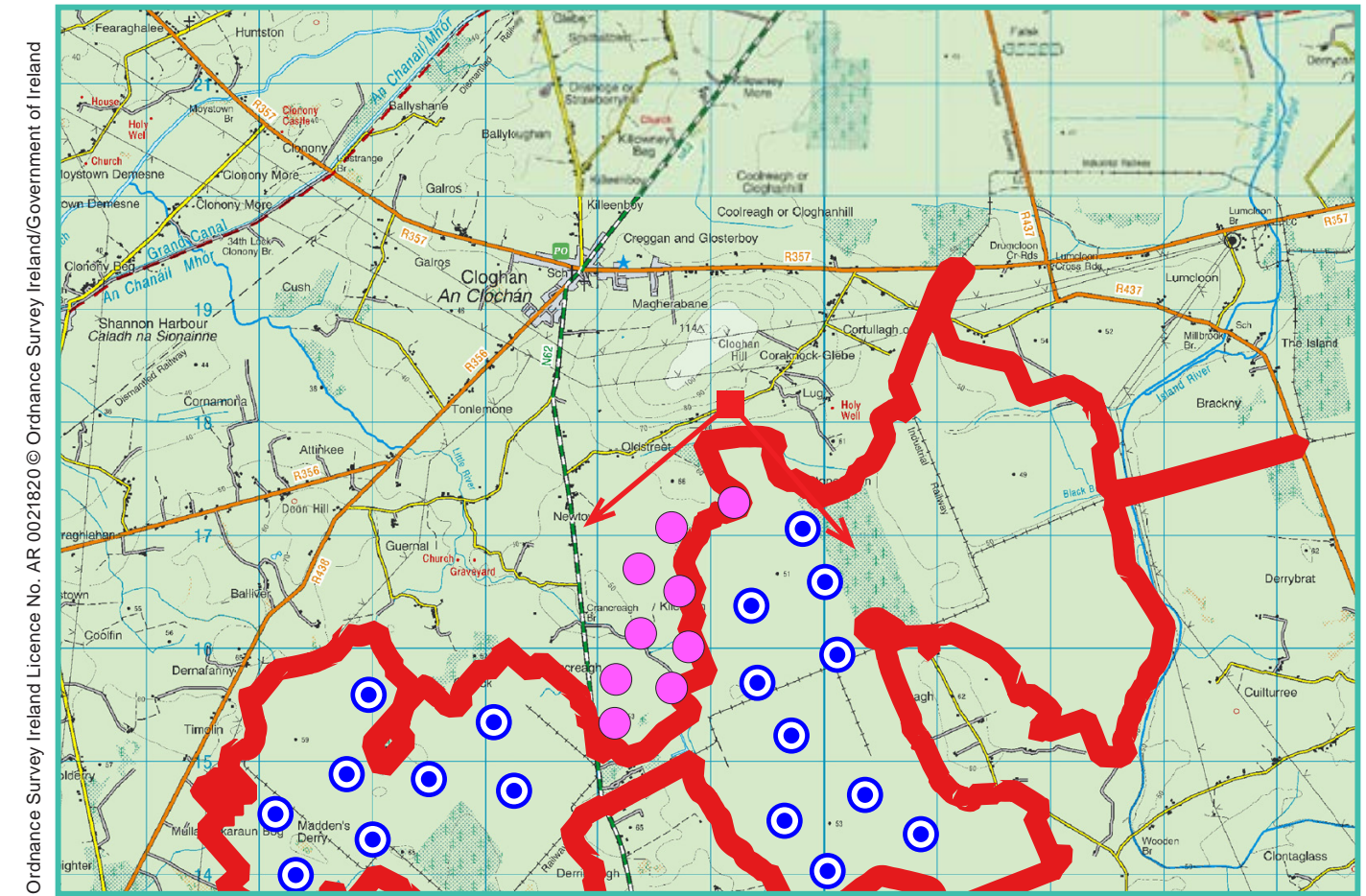
View point grid reference	209,529(E); 218,300(N)
Date of image taken	19.12.2019
Time of image taken	11:14am
View point elevation	74m
Angle of Views	90° / 53.4°
View Direction (Image Centre)	190°
Horizontal extent of proposed turbines	82°
Distance to nearest proposed turbine	1.27km (T10)
Number of proposed turbines visible	20/21
Turbine Hub Height	110m
Turbine Tip Height	185m
Turbine Rotor Diameter	150m
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 (core boundary outlined in red).



Detail of view point location.

#### Map Legend

- Area shown in 90-degree view
- View point
- EIAR Site Boundary
- Proposed Derrinlough Wind Farm
- Permitted Cloghan Wind Farm
- Existing Meenwau Wind Farm
- Existing Leabag Wind Farm
- Existing Carrig Wind Farm
- Existing Skehanagh Wind Farm

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#### 90 - Degree View Extent

Key image at 120 degrees



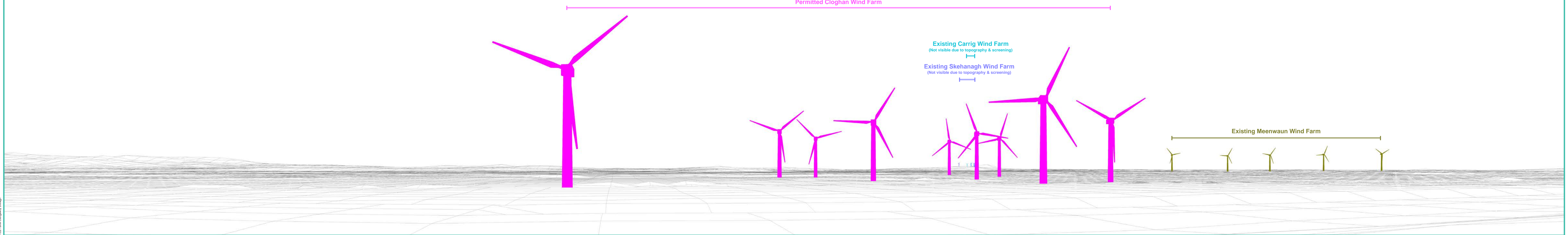
#### 53.5-Degree View Extent

#### 53.5 Degree View Extent





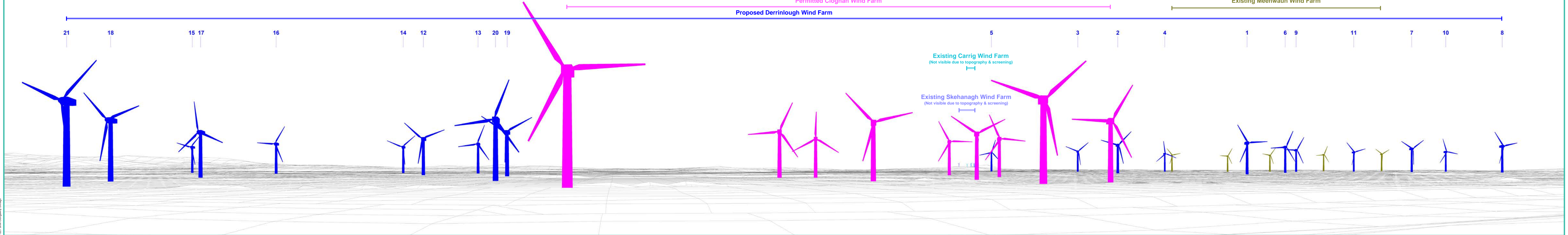
Matching wireframe







Matching wireframe



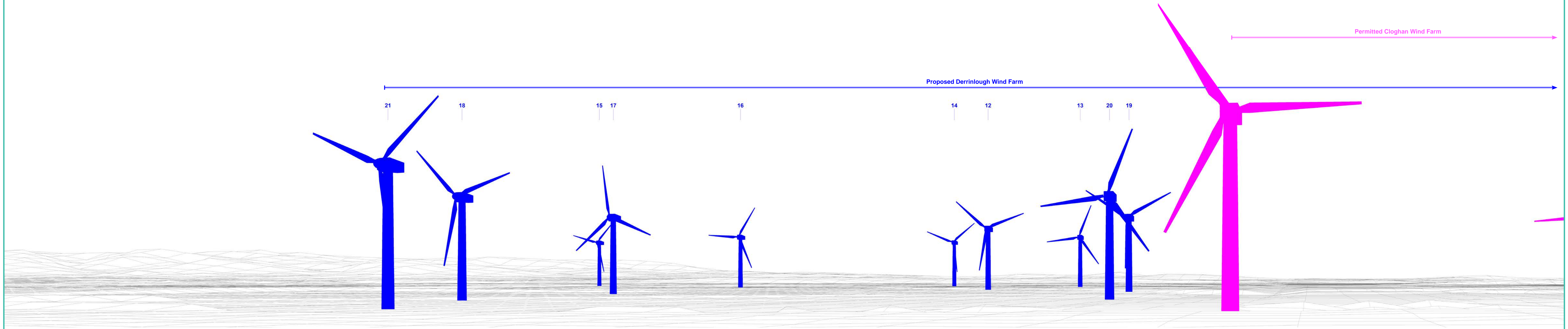


Proposed Photomontage at 53.5 degrees with Cumulative





Matching wireframe

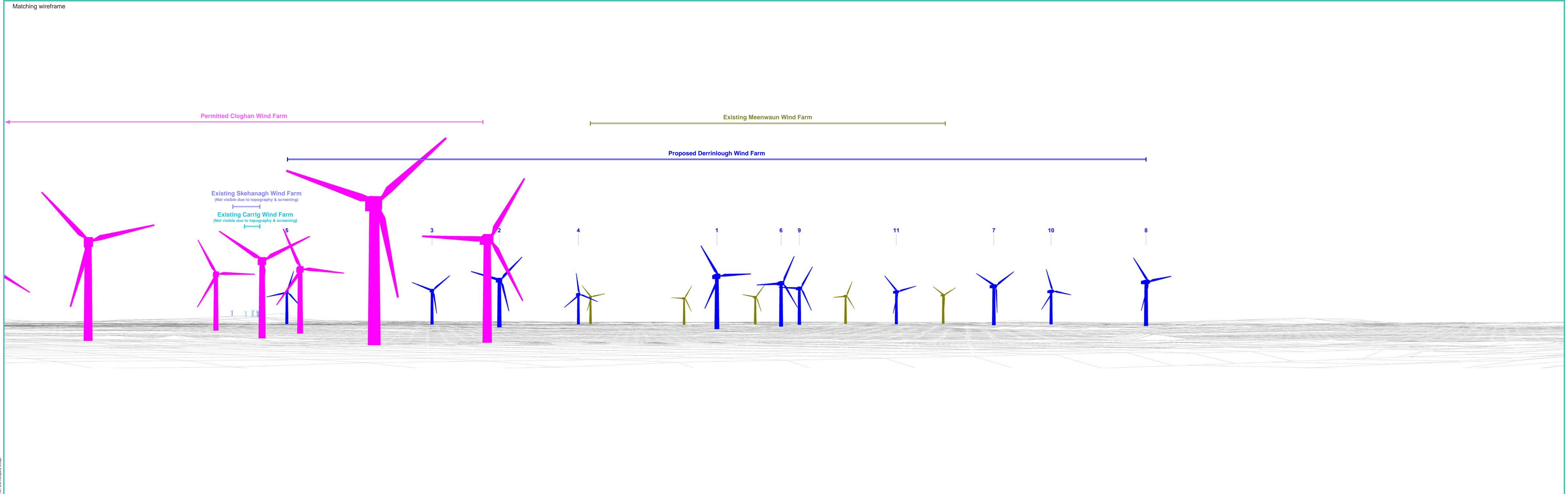




Proposed Photomontage at 53.5 degrees with Cumulative







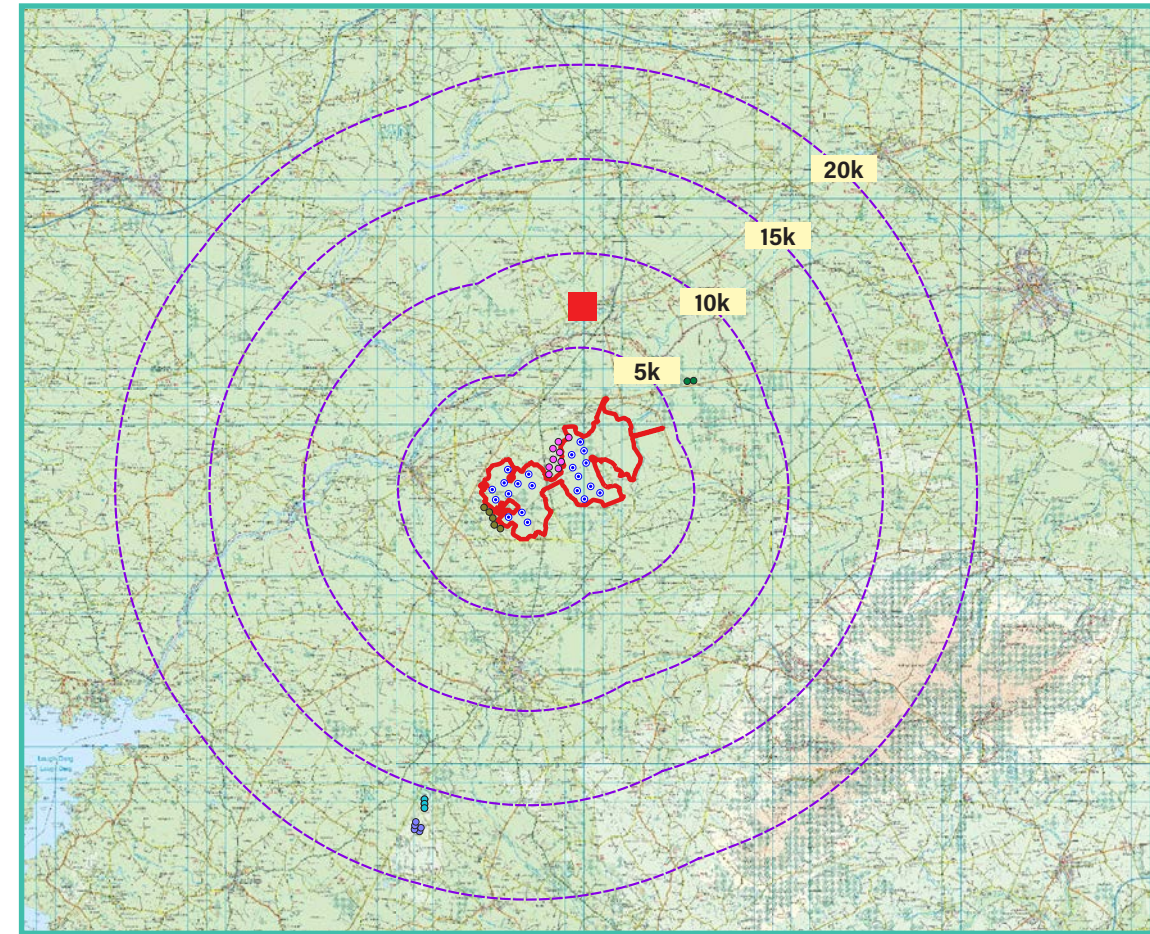




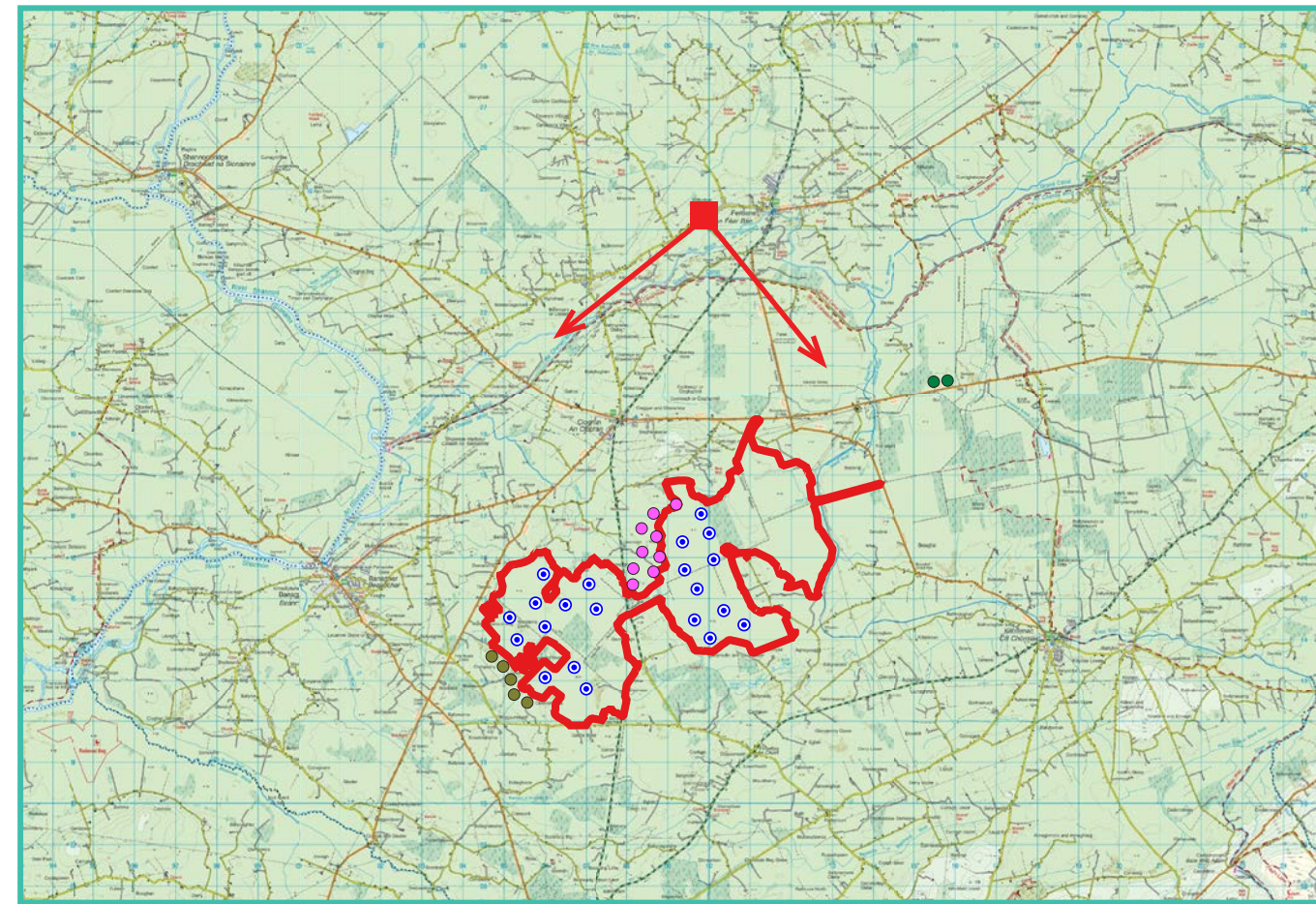
### Photomontage 3

**View Point:** View from Chapel Lane on the outskirts of Ferbane Town in the townland of Ballyclare, approximately 7.28 km north of the nearest turbine at Ballyclare. Designated as a scenic view V10.

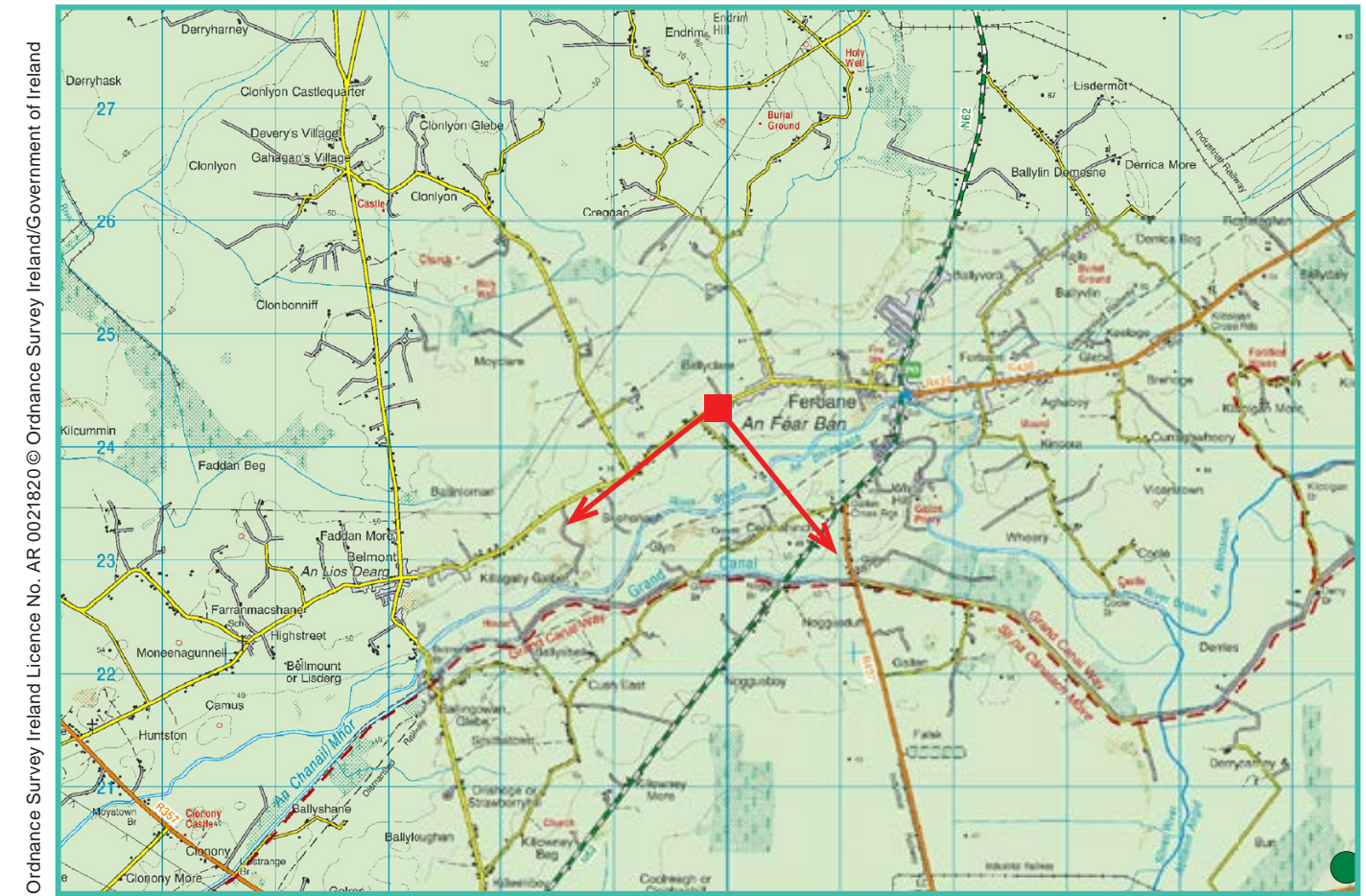
View point grid reference	209,889(E); 224,339(N)
Date of image taken	19.12.2019
Time of image taken	10:22am
View point elevation	67m
Angle of Views	90° / 53.4°
View Direction (Image Centre)	189°
Horizontal extent of proposed turbines	31°
Distance to nearest proposed turbine	7.28km (T21)
Number of proposed turbines visible	21/21
Turbine Hub Height	110m
Turbine Tip Height	185m
Turbine Rotor Diameter	150m
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 (core boundary outlined in red).



Detail of view point location.

#### Map Legend

Area shown in 90-degree view

View point

EIAR Site Boundary

- Proposed Derrinlough Wind Farm
- Permitted Cloghan Wind Farm
- Existing Meenwau Wind Farm
- Existing Leabag Wind Farm
- Existing Carrig Wind Farm
- Existing Skehanagh Wind Farm

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Tel: (091) 73 56 11  
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Website: www.mkoireland.ie



#### 90 - Degree View Extent

Key image at 120 degrees



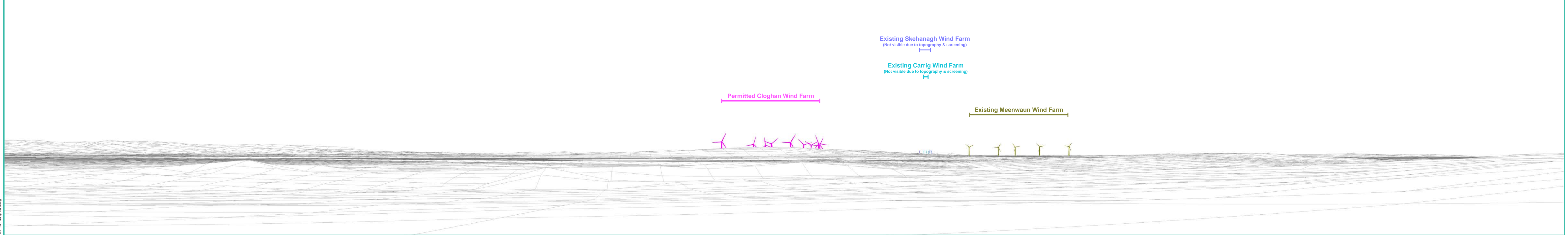
#### 53.5-Degree View Extent



Do nothing scenario at 90 degrees



Matching wireframe

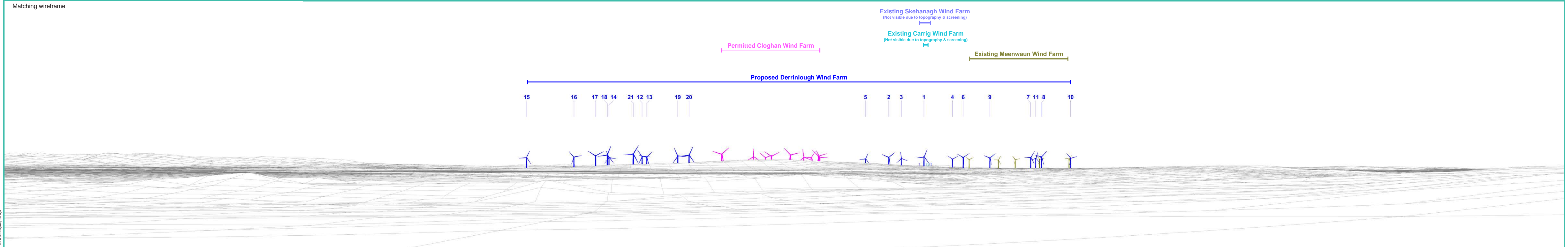




Proposed photomontage 90 Degrees



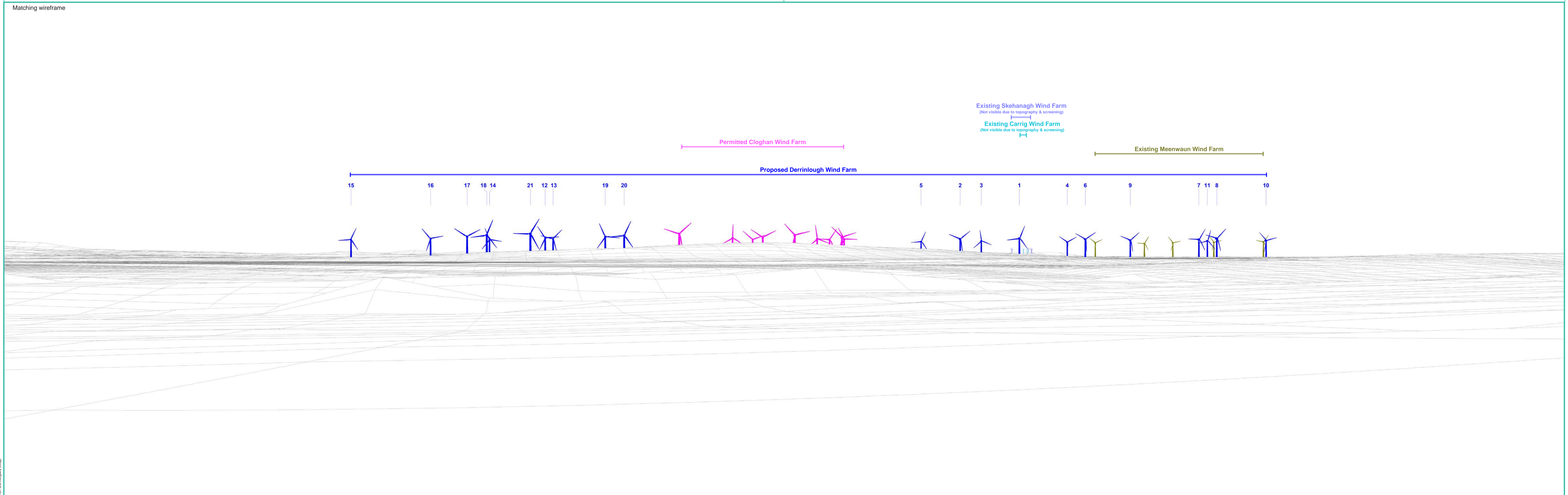
Matching wireframe











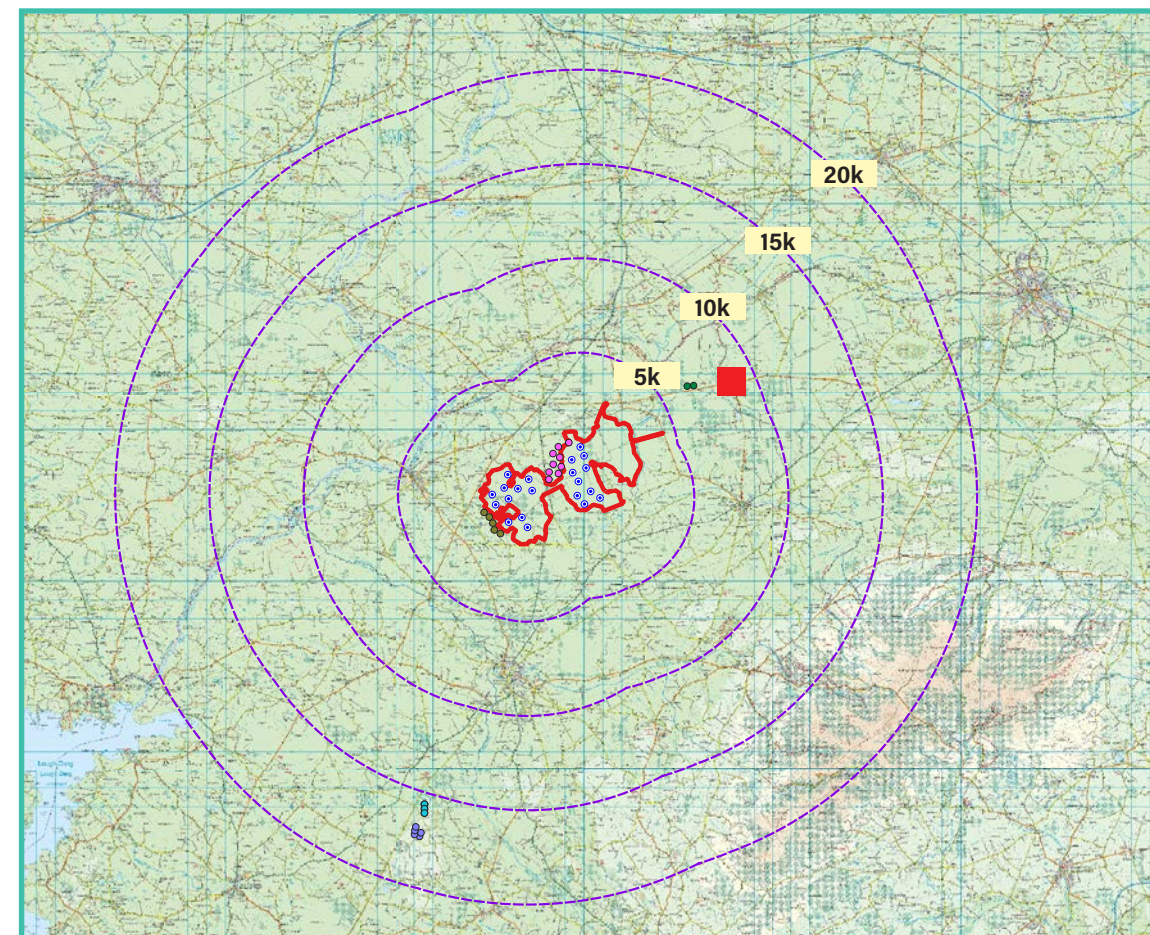




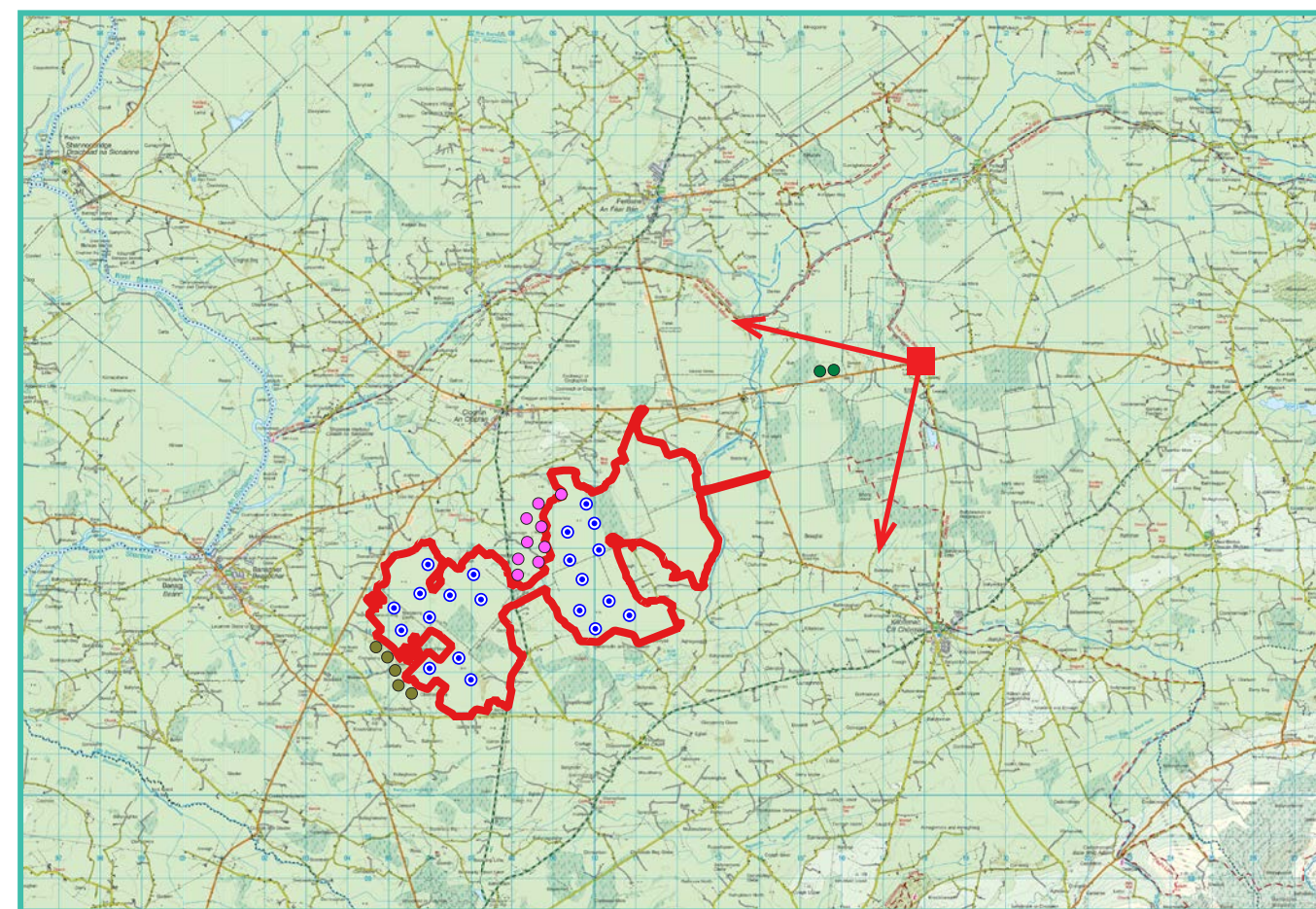
## Photomontage 4

**View Point:** View from the R357 regional road in the townland of Lea Beg, designated as County Offaly scenic view V16 and on Northern Scenic Amenity Route (R357 from Blueball to Shannonbridge), approximately 8.7 km north-east of the nearest turbine.

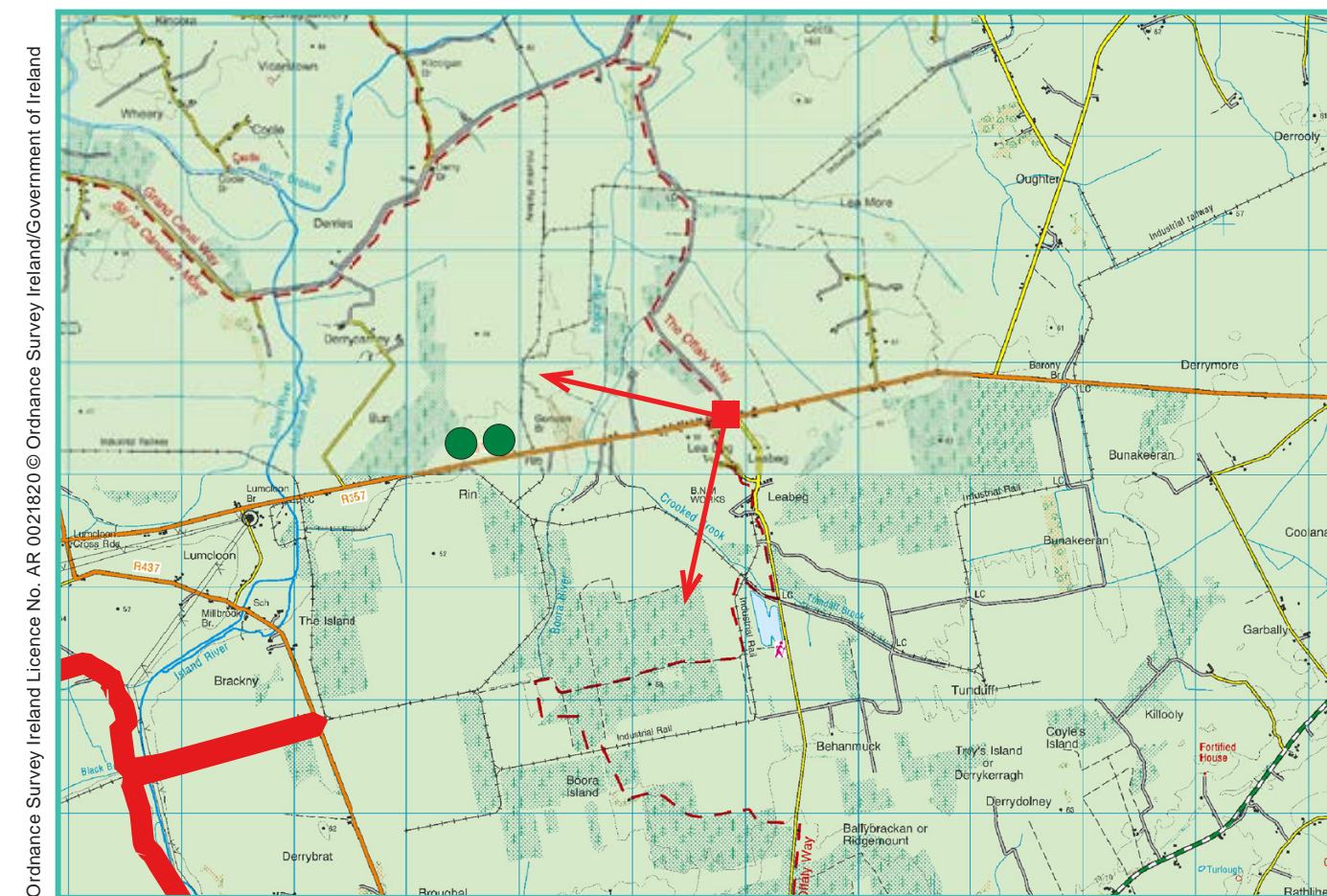
View point grid reference	217,829(E); 220,500(N)
Date of image taken	13.11.2018
Time of image taken	1:29pm
View point elevation	55m
Angle of Views	90° / 53.4°
View Direction (Image Centre)	236°
Horizontal extent of proposed turbines	18°
Distance to nearest proposed turbine	8.7km (T21)
Number of proposed turbines visible	0/21
Turbine Hub Height	110m
Turbine Tip Height	185m
Turbine Rotor Diameter	150m
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 (core boundary outlined in red).



Detail of view point location.

**Map Legend**

- Area shown in 90-degree view
- View point
- EIAR Site Boundary
- Proposed Derrinlough Wind Farm
- Permitted Cloghan Wind Farm
- Existing Meenwau Wind Farm
- Existing Leabag Wind Farm
- Existing Carrig Wind Farm
- Existing Skehanagh Wind Farm

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Website: www.mkoireland.ie



90 - Degree View Extent

Key image at 120 degrees

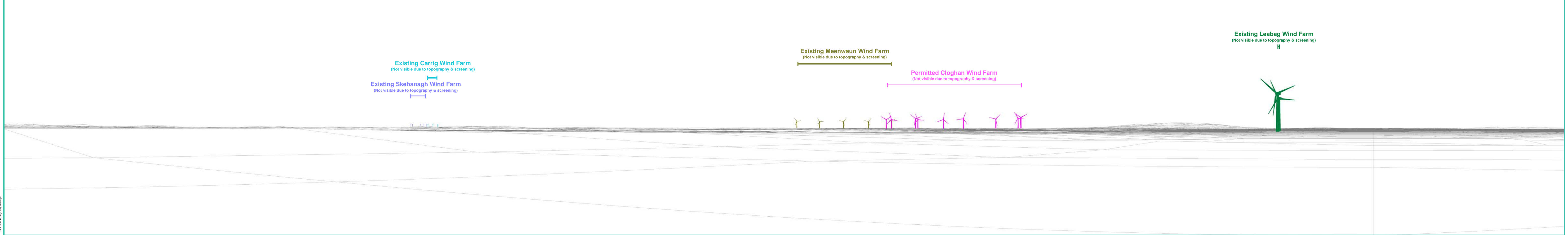


53.5-Degree View Extent





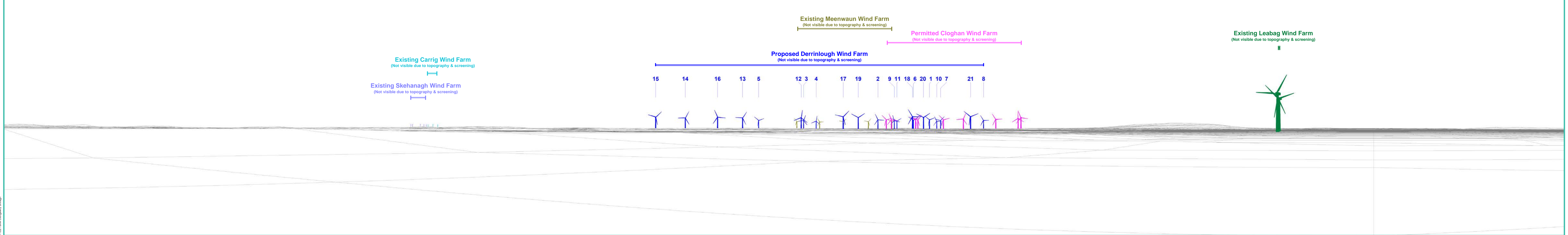
Matching wireframe







Matching wireframe

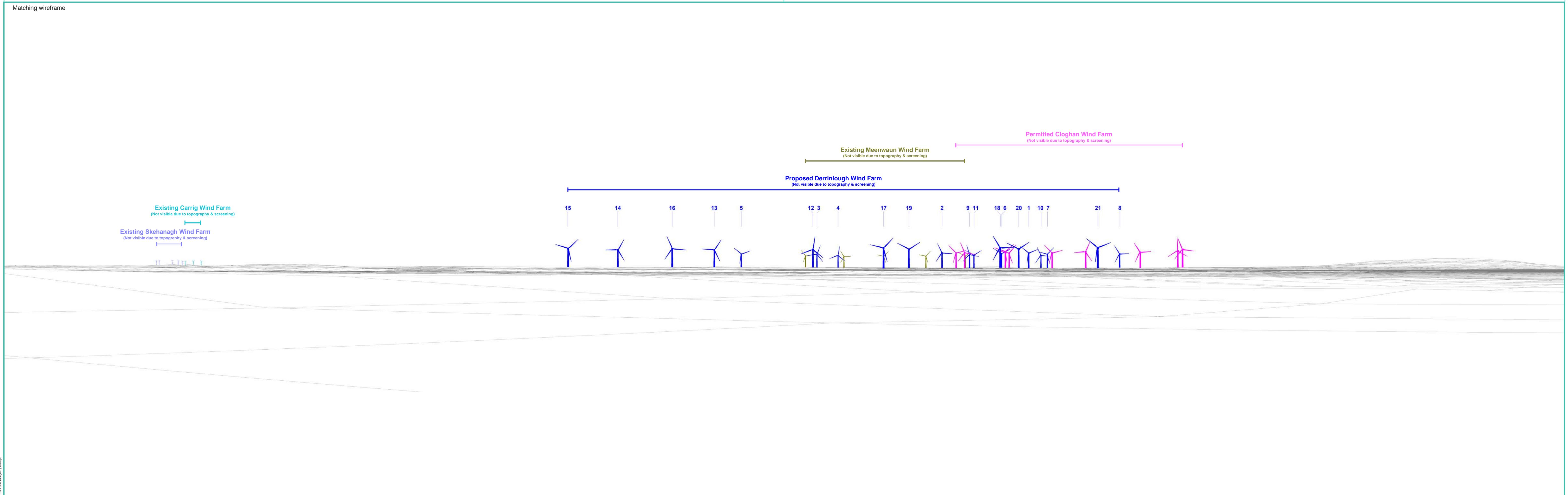




Proposed Photomontage at 53.5 degrees with Cumulative







Matching wireframe

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

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

Proposed Derrinlough Wind Farm  
 (Not visible due to topography & screening)

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

Permitted Cloghan Wind Farm  
 (Not visible due to topography & screening)

- 15
- 14
- 16
- 13
- 5
- 12
- 3
- 4
- 17
- 19
- 2
- 9
- 11
- 18
- 6
- 20
- 1
- 10
- 7
- 21
- 8

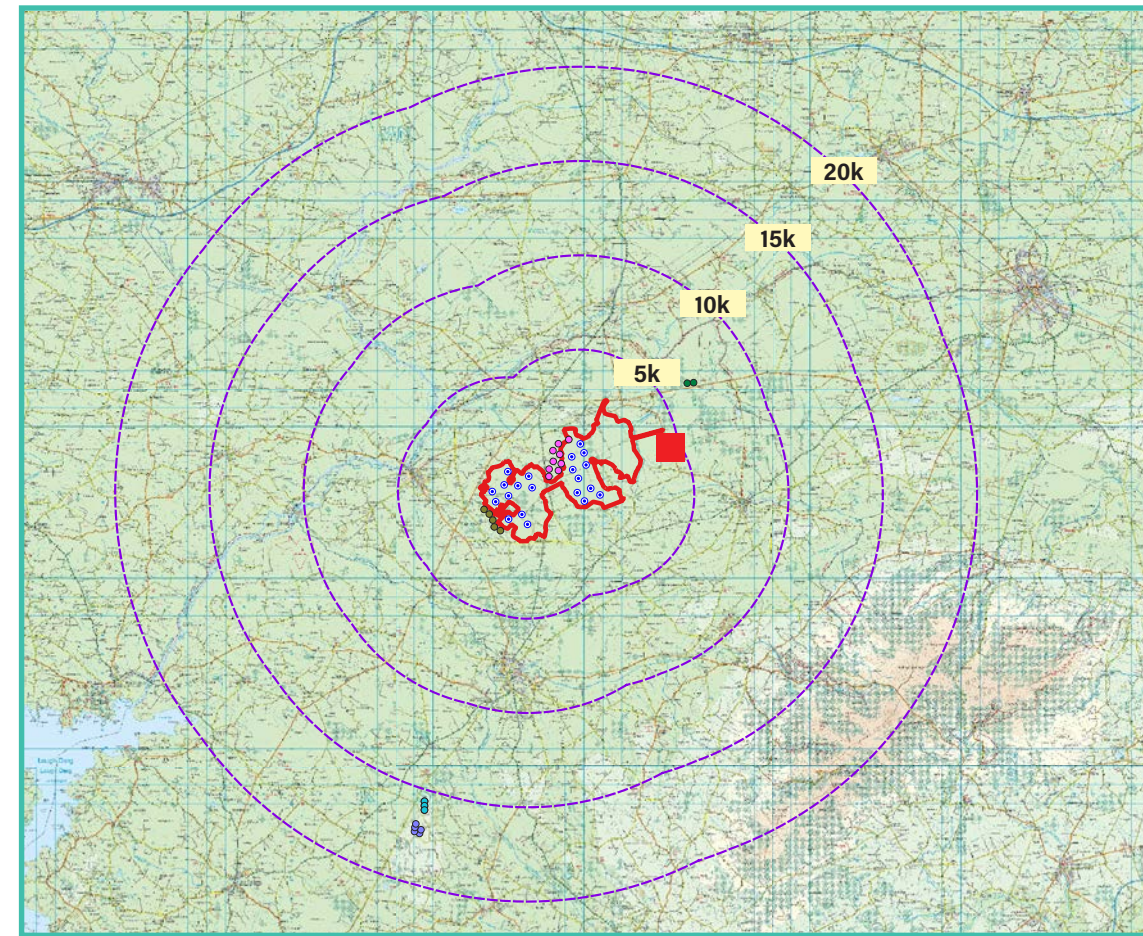




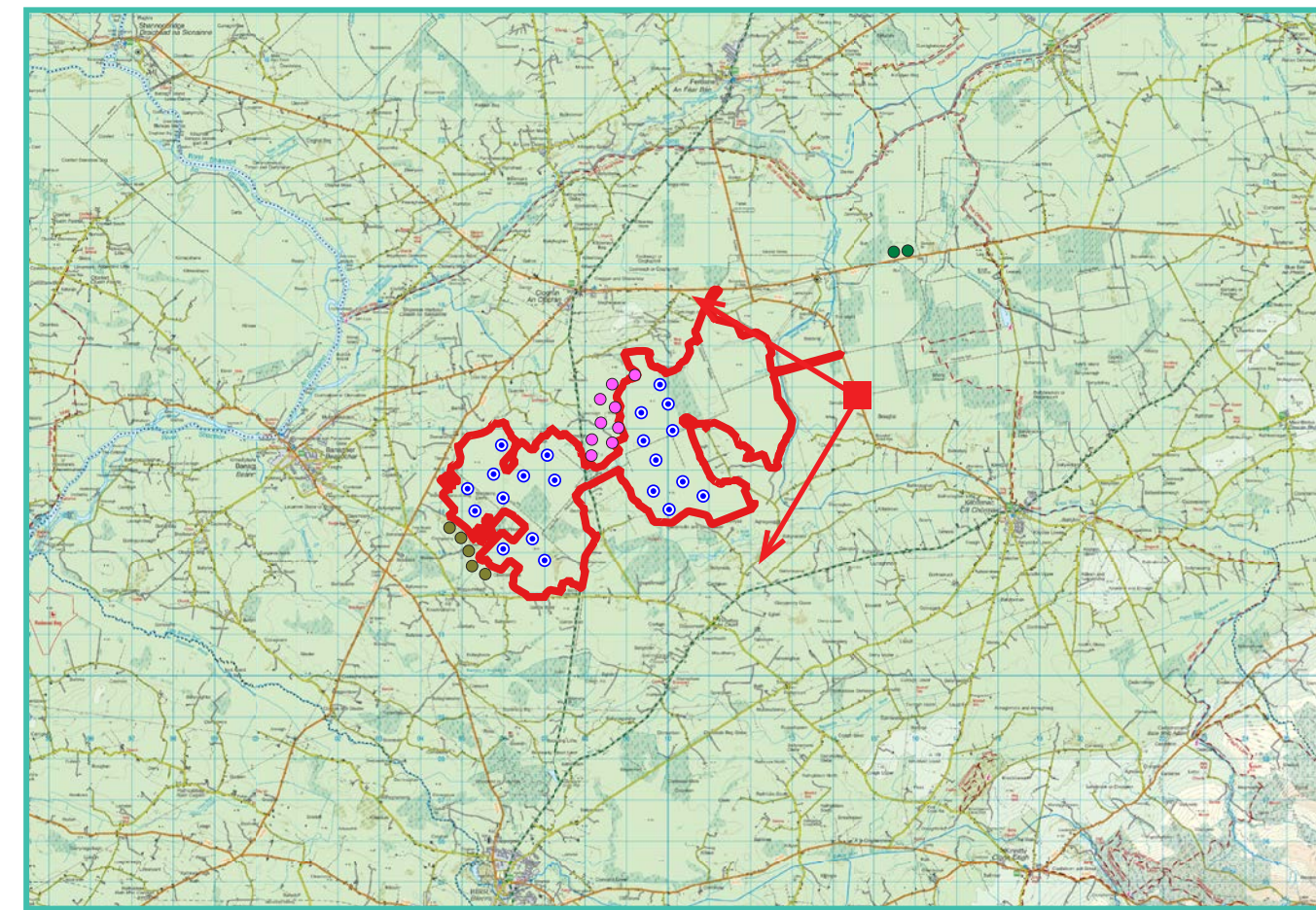
## Photomontage 5

**View Point:** View from the R437 in the townland of Broughal, on the western edge of Lough Boora Parklands, approximately 4.5 km east of the nearest turbine.

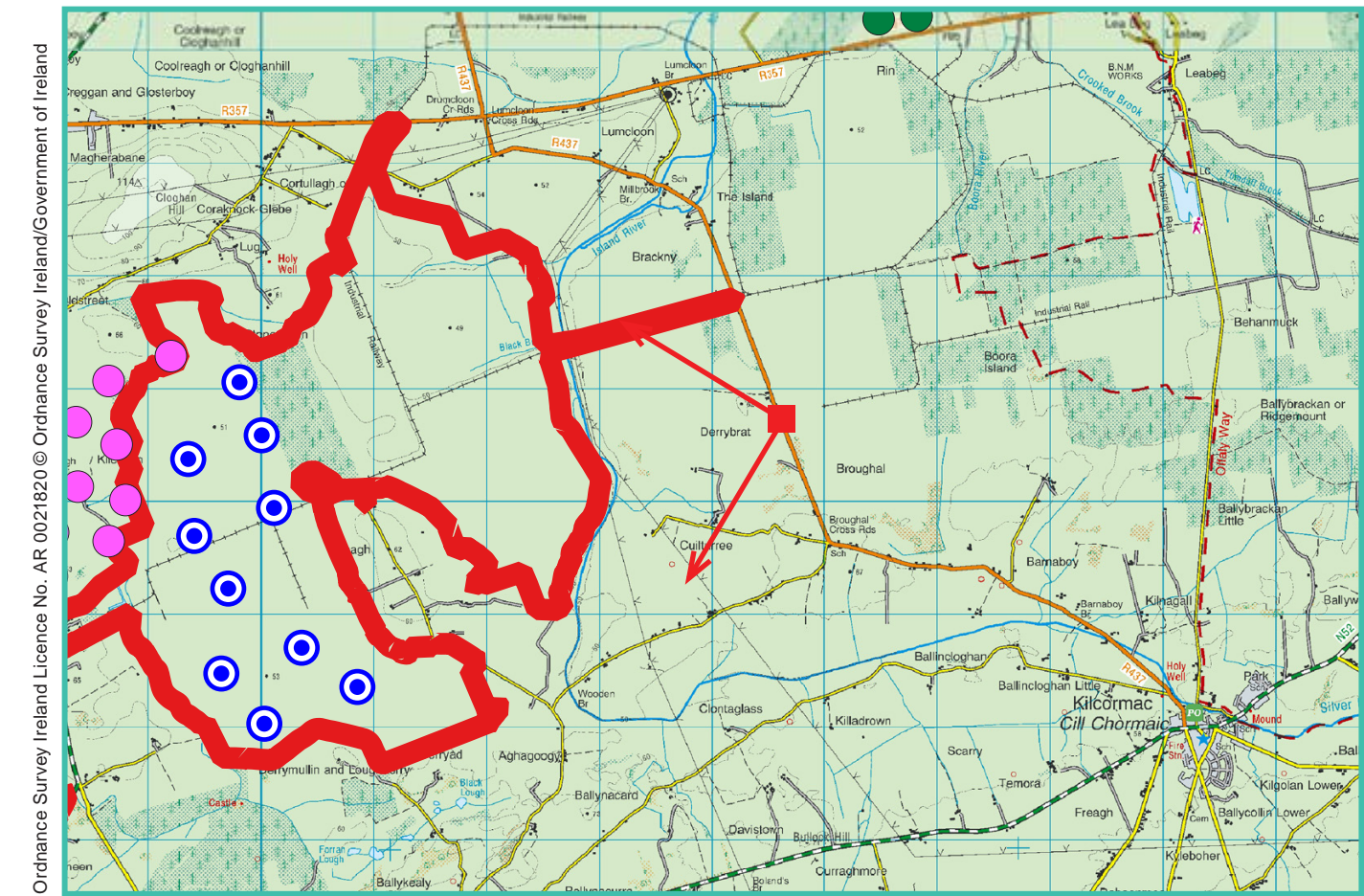
View point grid reference	214,590(E); 216,796(N)
Date of image taken	19.12.2019
Time of image taken	11:39am
View point elevation	57m
Angle of Views	90° / 53.4°
View Direction (Image Centre)	255°
Horizontal extent of proposed turbines	31°
Distance to nearest proposed turbine	4.5km (T17)
Number of proposed turbines visible	18/21
Turbine Hub Height	110m
Turbine Tip Height	185m
Turbine Rotor Diameter	150m
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 (core boundary outlined in red).



Detail of view point location.

## Map Legend

Area shown in 90-degree view

View point

EIAR Site Boundary

Proposed Derrinlough Wind Farm

Permitted Cloghan Wind Farm

Existing Meenwau Wind Farm

Existing Leabag Wind Farm

Existing Carrig Wind Farm

Existing Skehanagh Wind Farm

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Website: www.mkoireland.ie



90 - Degree View Extent

Key image at 120 degrees



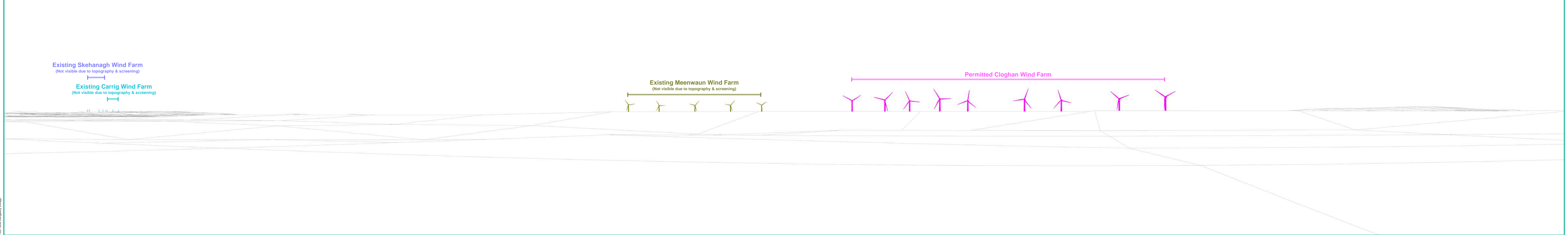
53.5-Degree View Extent



Do nothing scenario at 90 degrees



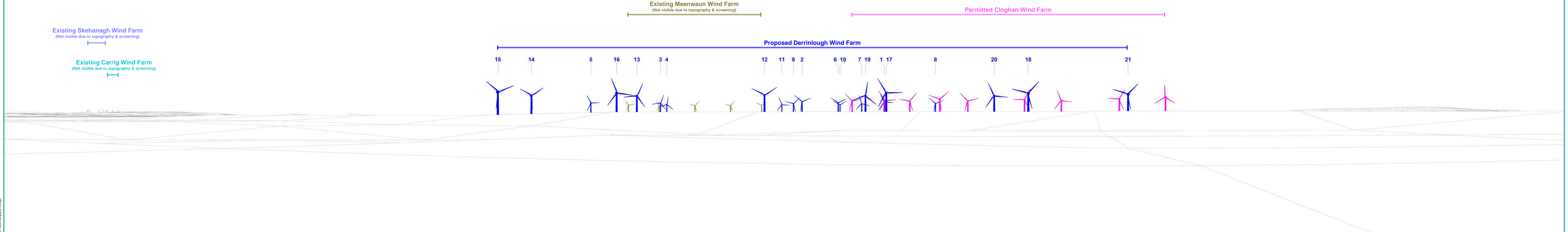
Matching wireframe







Matching wireframe





Proposed Photomontage at 53.5 degrees with Cumulative





Matching wireframe

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

Permitted Cloghan Wind Farm

Proposed Derrinlough Wind Farm

15

14

5

16

13

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12

11

9

2

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10

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19

1

17

8

20

18

21





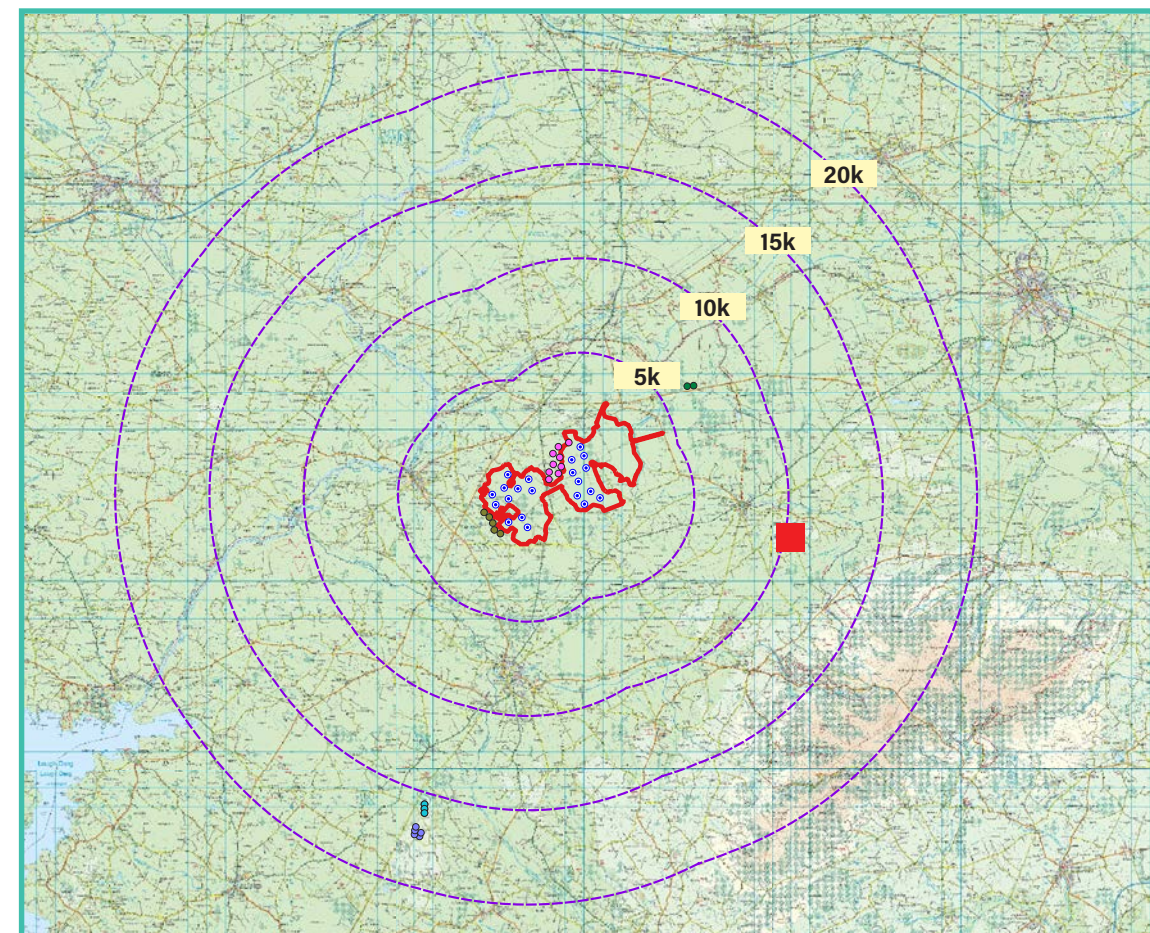




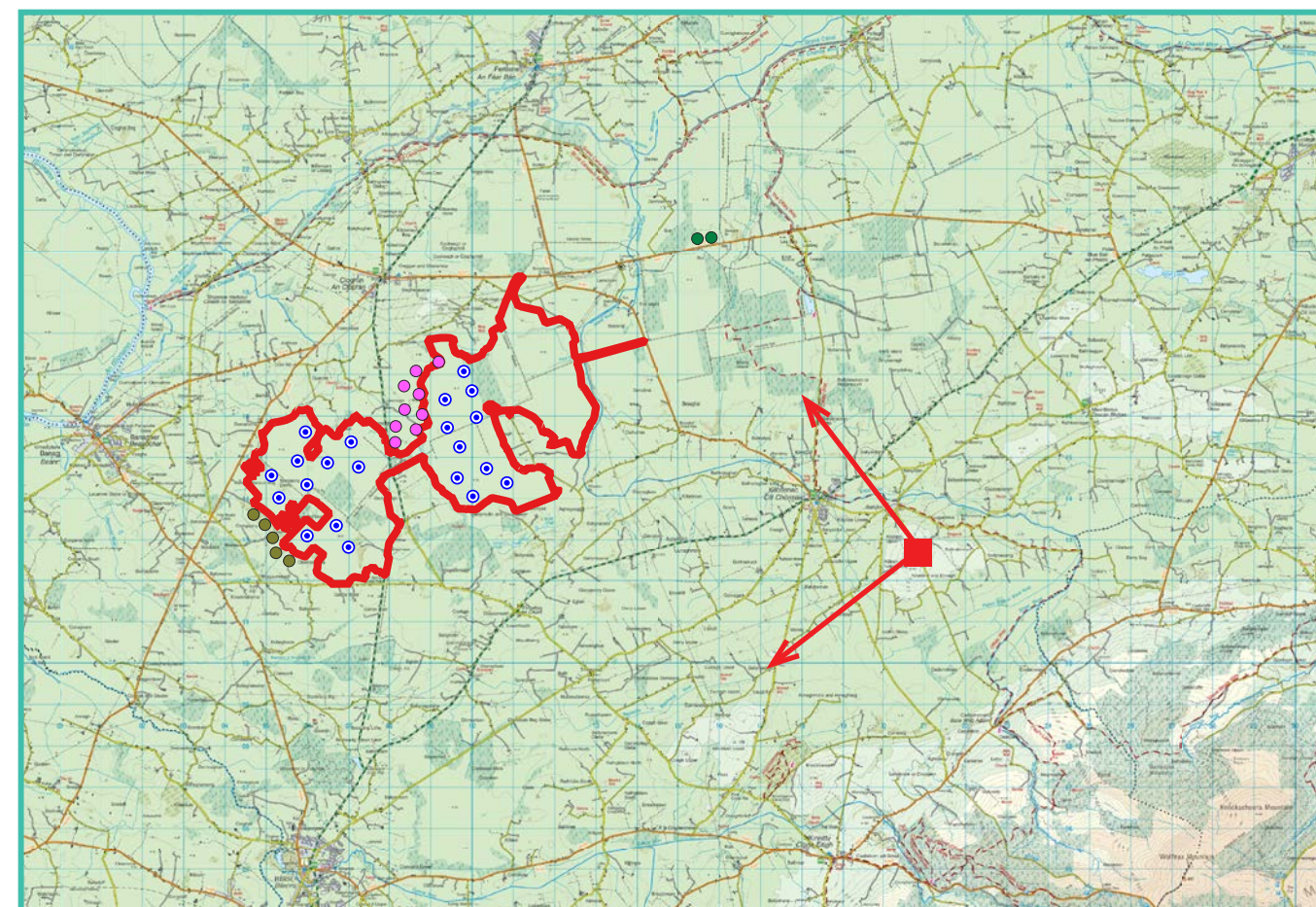
## Photomontage 6

**View Point:** View from the No. L-06034 local road in the townland of Kilgolan Upper, designated as County Offaly scenic view V17, approximately 10.0 km east of the nearest turbine.

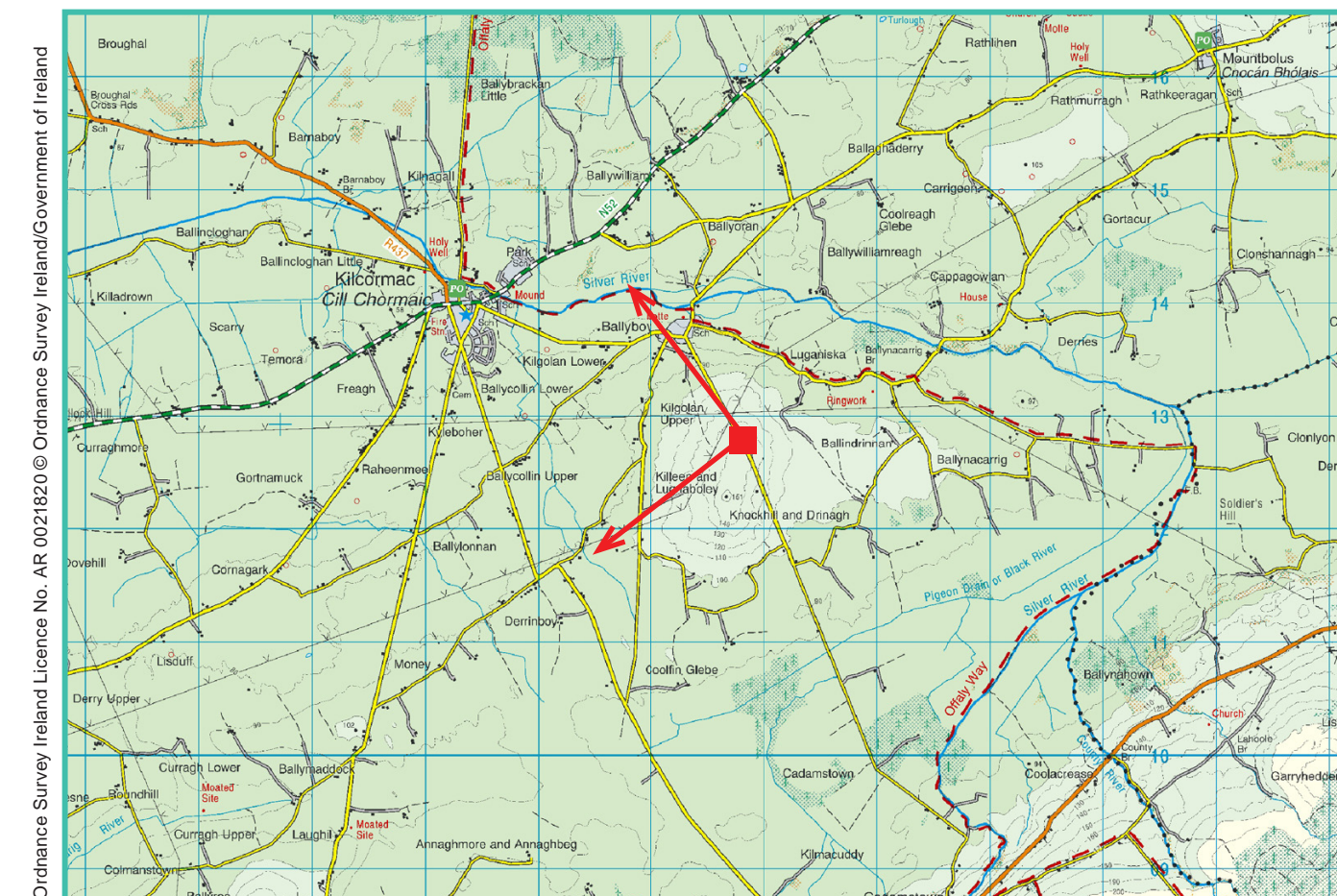
View point grid reference	220,753(E); 212,875(N)
Date of image taken	11.07.2019
Time of image taken	12:36pm
View point elevation	139m
Angle of Views	90° / 53.4°
View Direction (Image Centre)	278°
Horizontal extent of proposed turbines	20°
Distance to nearest proposed turbine	10km (T15)
Number of proposed turbines visible	21/21
Turbine Hub Height	110m
Turbine Tip Height	185m
Turbine Rotor Diameter	150m
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 (core boundary outlined in red).



Detail of view point location.

### Map Legend

- Area shown in 90-degree view
- View point
- EIAR Site Boundary
- Proposed Derrinlough Wind Farm
- Permitted Cloghan Wind Farm
- Existing Meenwau Wind Farm
- Existing Leabag Wind Farm
- Existing Carrig Wind Farm
- Existing Skehanagh Wind Farm

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### 90 - Degree View Extent

Key image at 120 degrees

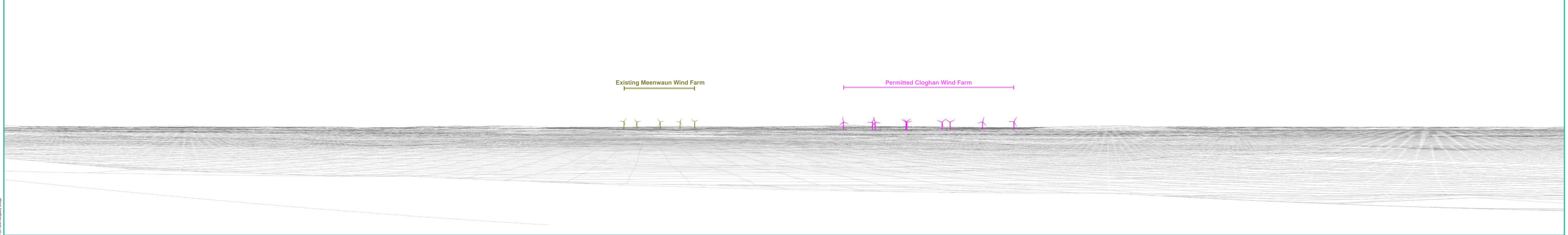


### 53.5-Degree View Extent





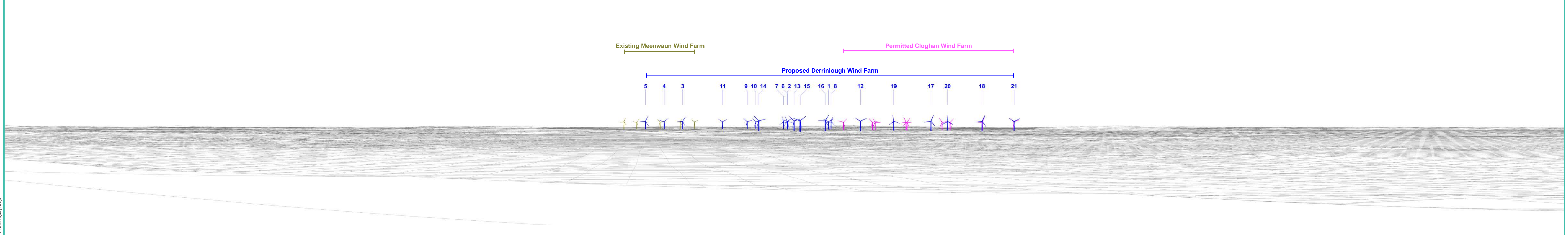
Do nothing scenario at 90 degrees







Matching wireframe



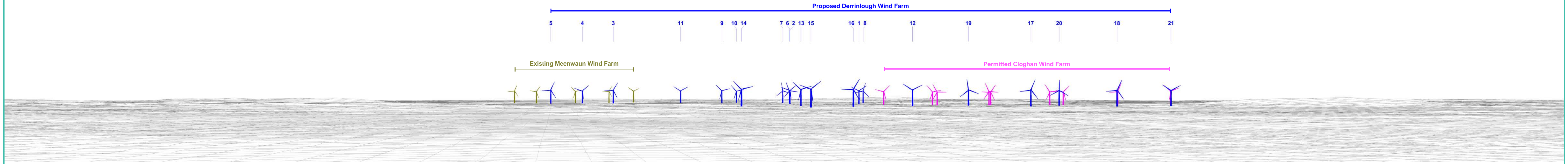




Proposed Photomontage at 53.5 degrees with Cumulative



Matching wireframe





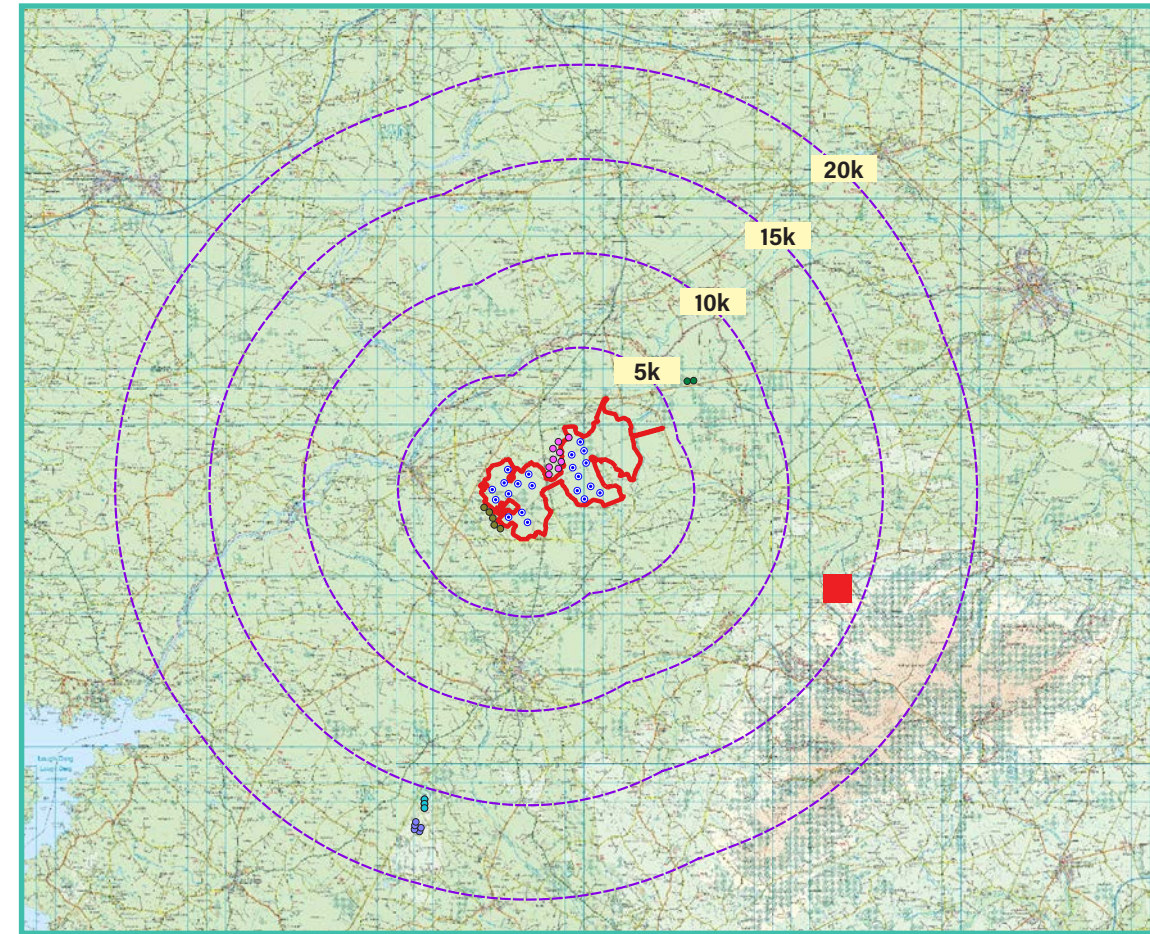




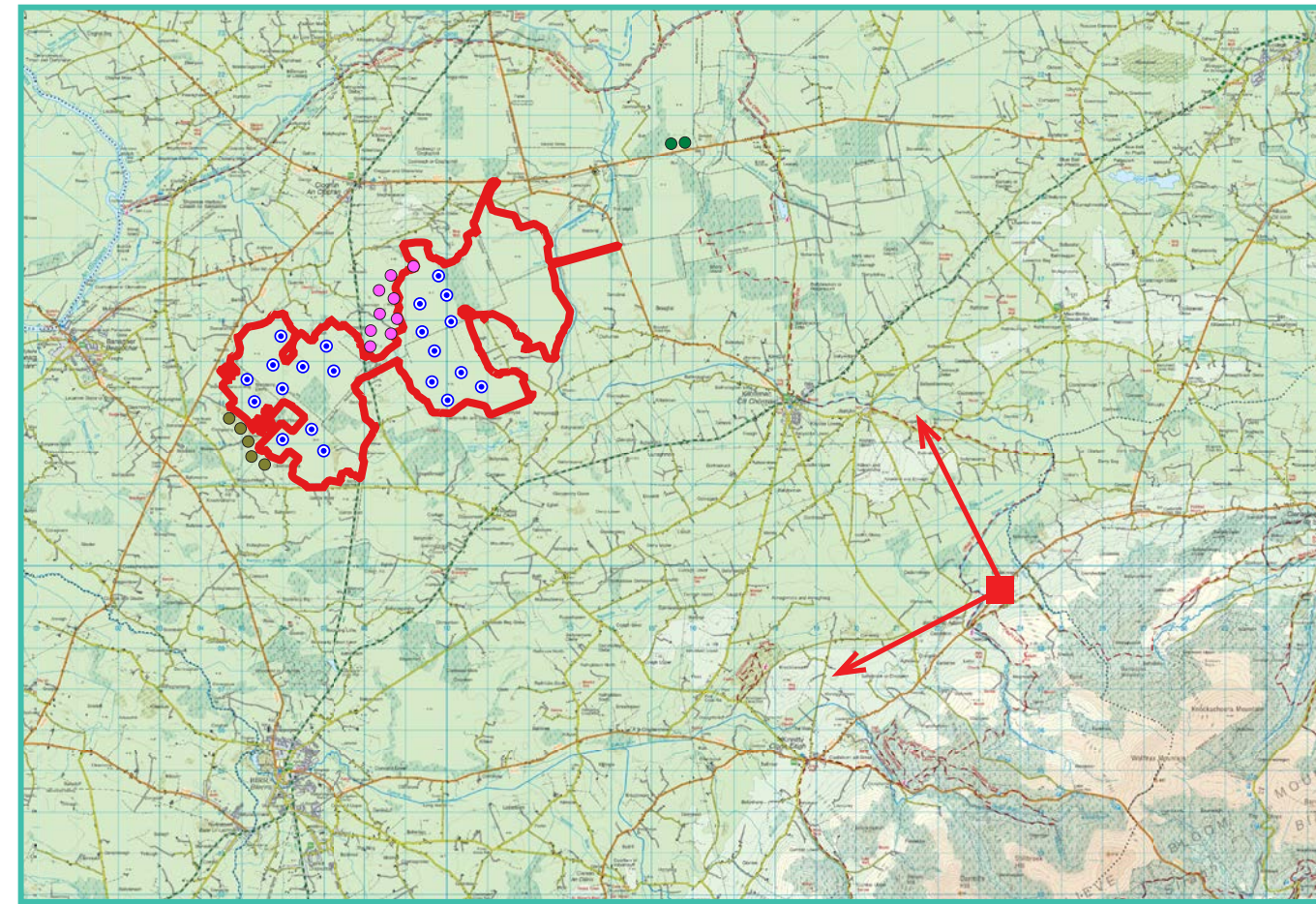
### Photomontage 7

**View Point:** View from the R421 regional road in the townland of Coolacrease, on County Offaly Southern Scenic Amenity Route (R440 and R421 Birr to Kinitty and Ballard to Kinitty), approximately 13.57 km south--east of the nearest turbine.

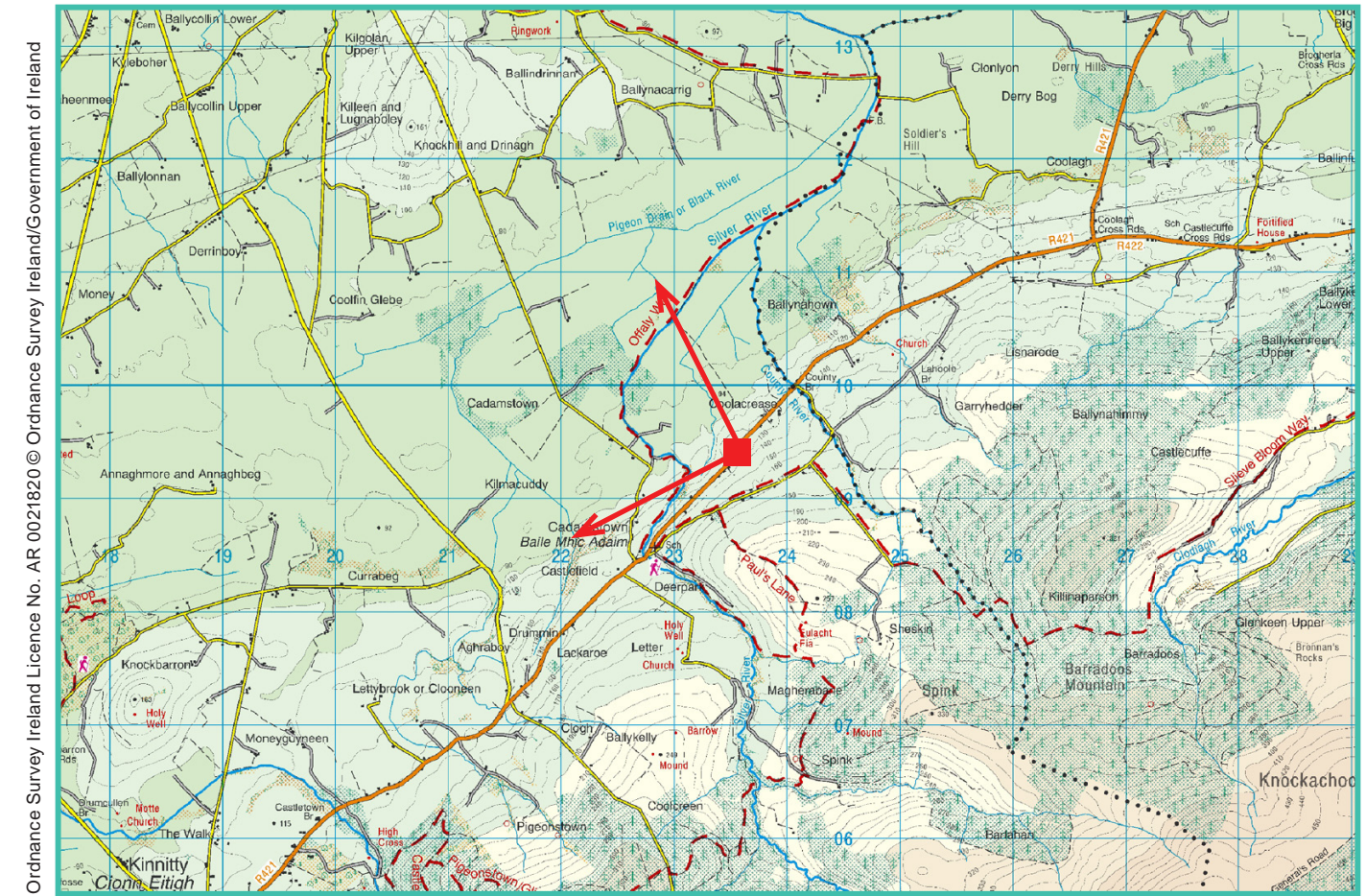
View point grid reference	223,504(E); 209,335(N)
Date of image taken	29.11.2019
Time of image taken	10:24am
View point elevation	132m
Angle of Views	90° / 53.4°
View Direction (Image Centre)	289°
Horizontal extent of proposed turbines	17°
Distance to nearest proposed turbine	13.57km (T15)
Number of proposed turbines visible	21/21
Turbine Hub Height	110m
Turbine Tip Height	185m
Turbine Rotor Diameter	150m
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 (core boundary outlined in red).



Detail of view point location.

#### Map Legend

Area shown in 90-degree view

View point

EIAR Site Boundary

- Proposed Derrinlough Wind Farm
- Permitted Cloghan Wind Farm
- Existing Meenwau Wind Farm
- Existing Leabag Wind Farm
- Existing Carrig Wind Farm
- Existing Skehanagh Wind Farm

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



#### 90 - Degree View Extent



Key image at 120 degrees

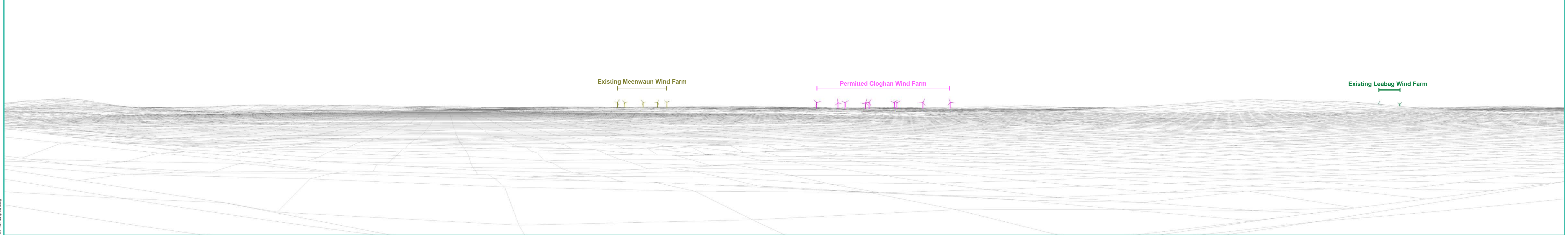
#### 53.5-Degree View Extent



Do nothing scenario at 90 degrees



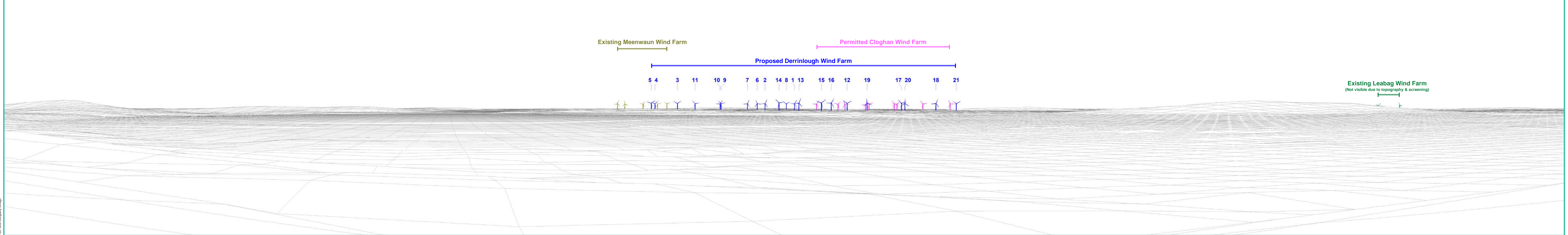
Matching wireframe







Matching wireframe





Proposed Photomontage at 53.5 degrees with Cumulative





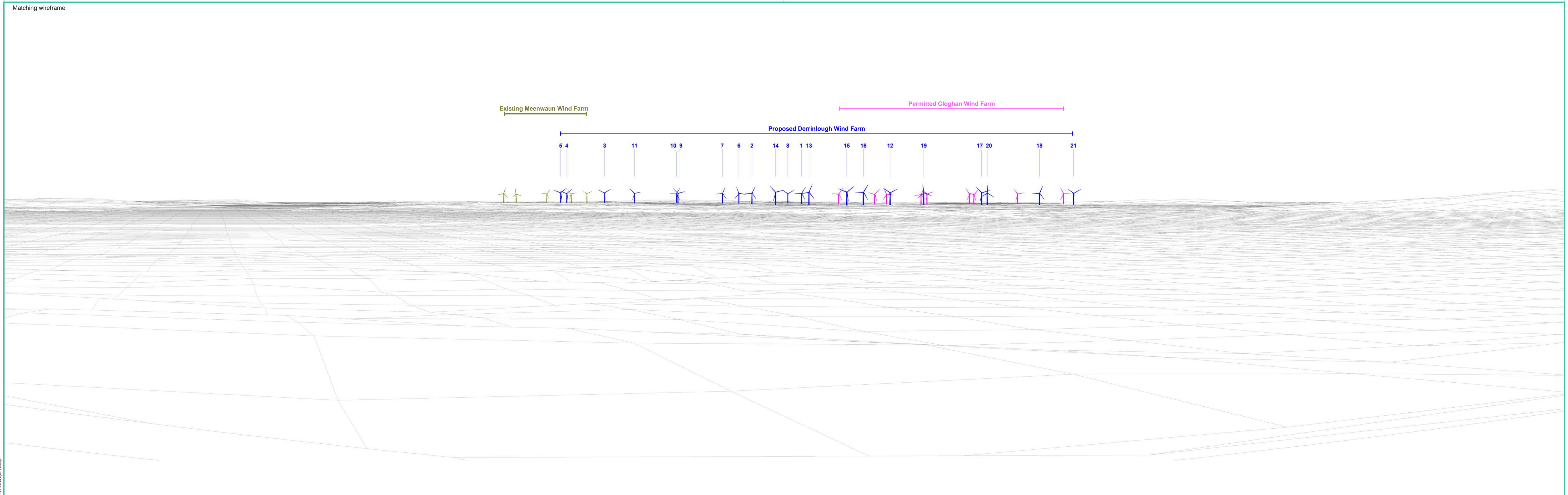
Matching wireframe

Existing Meenwaun Wind Farm

Permitted Cloghan Wind Farm

Proposed Derrinlough Wind Farm

5 4 3 11 10 9 7 6 2 14 8 1 13 15 16 12 19 17 20 18 21





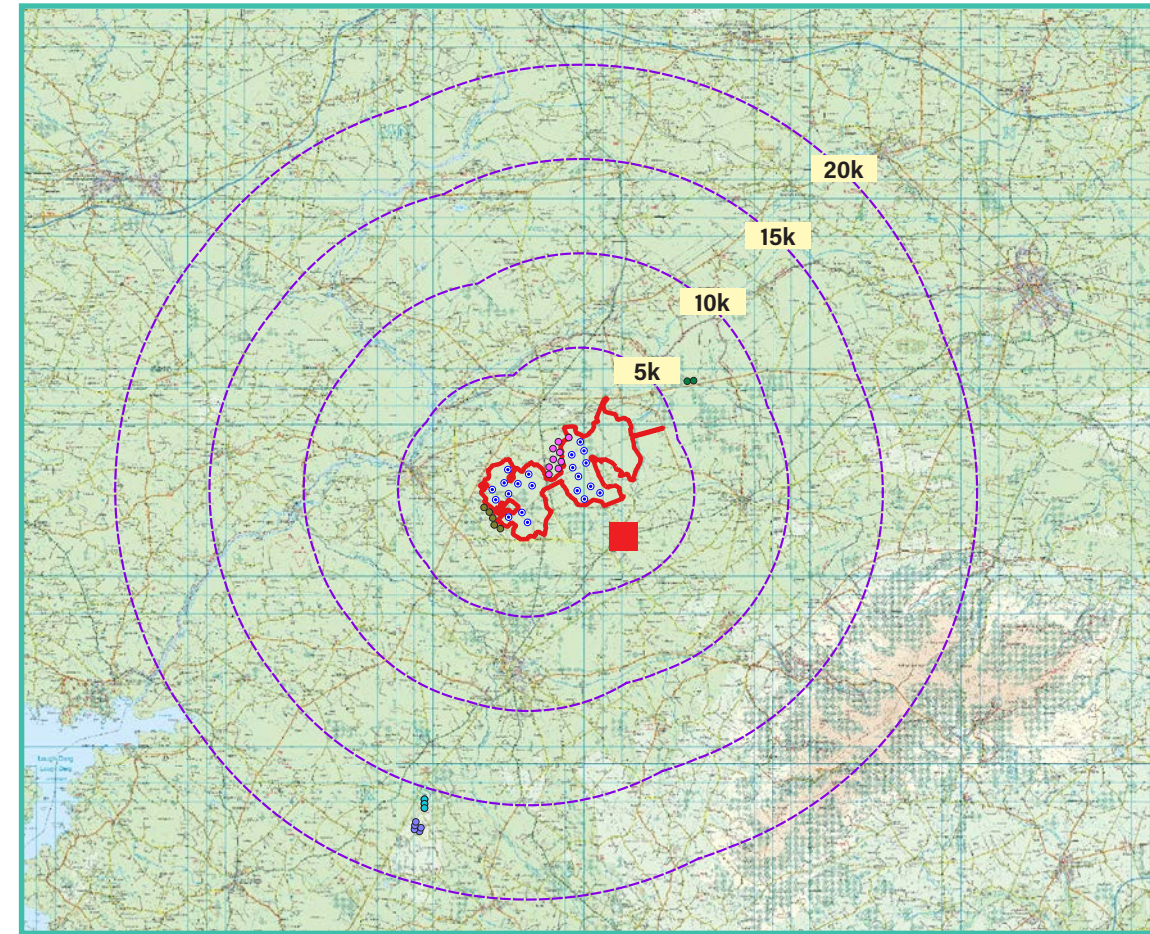




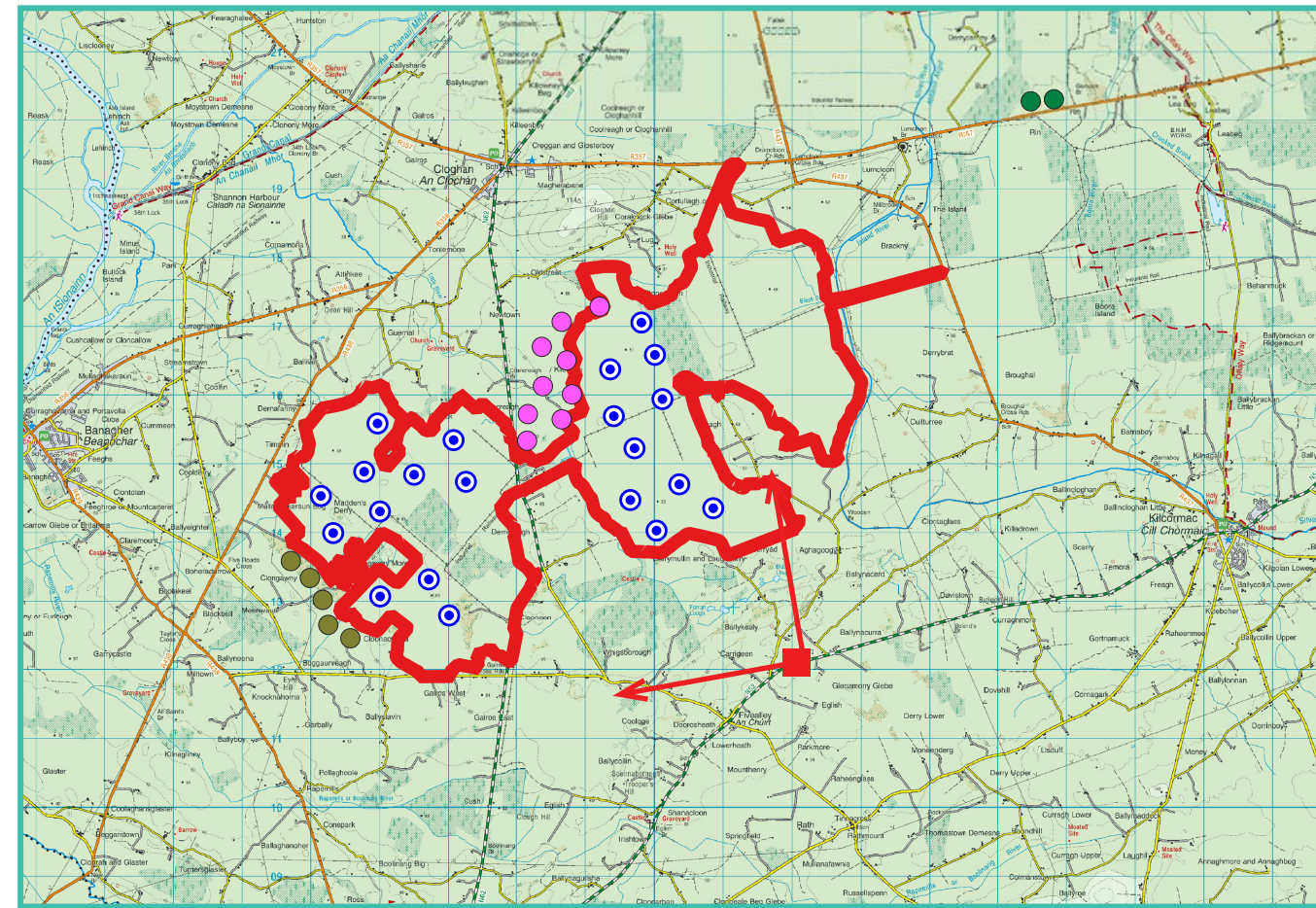
## Photomontage 8

**View Point:** View from the N52 national road in the townland of Glenamony Glebe, approximately 2.6 km south-east of the nearest turbine.

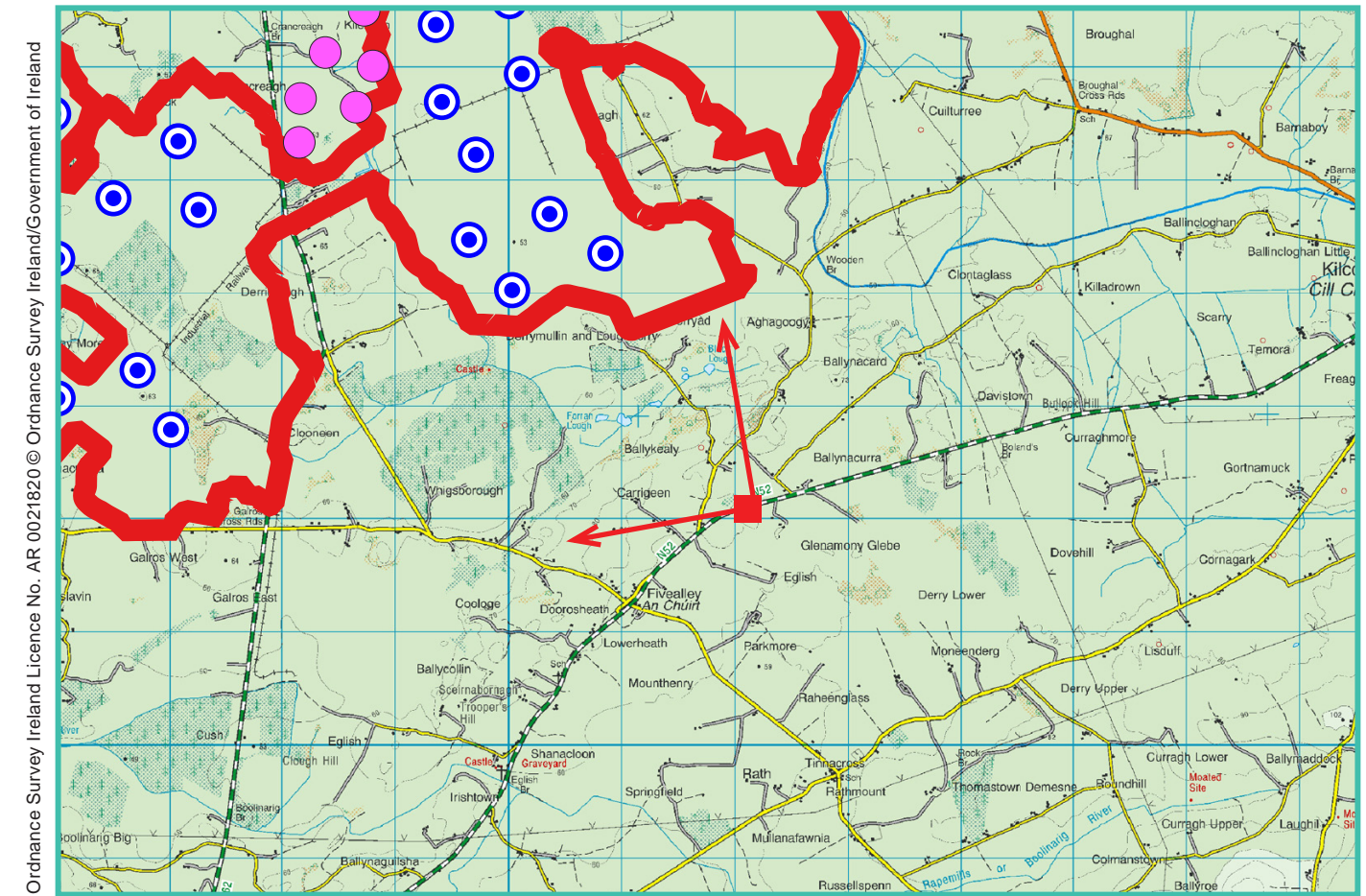
View point grid reference	212,198(E); 212,123(N)
Date of image taken	23.08.2018
Time of image taken	2:29pm
View point elevation	46m
Angle of Views	90° / 53.4°
View Direction (Image Centre)	134°
Horizontal extent of proposed turbines	56°
Distance to nearest proposed turbine	2.6km (T14)
Number of proposed turbines visible	13/21
Turbine Hub Height	110m
Turbine Tip Height	185m
Turbine Rotor Diameter	175m
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 (core boundary outlined in red).



Detail of view point location.

### Map Legend

Area shown in 90-degree view

View point

EIAR Site Boundary

- Proposed Derrinlough Wind Farm
- Permitted Cloghan Wind Farm
- Existing Meenwau Wind Farm
- Existing Leabag Wind Farm
- Existing Carrig Wind Farm
- Existing Skehanagh Wind Farm

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Website: www.mkoireland.ie



### 90 - Degree View Extent

Key image at 120 degrees



53.5-Degree View Extent North West

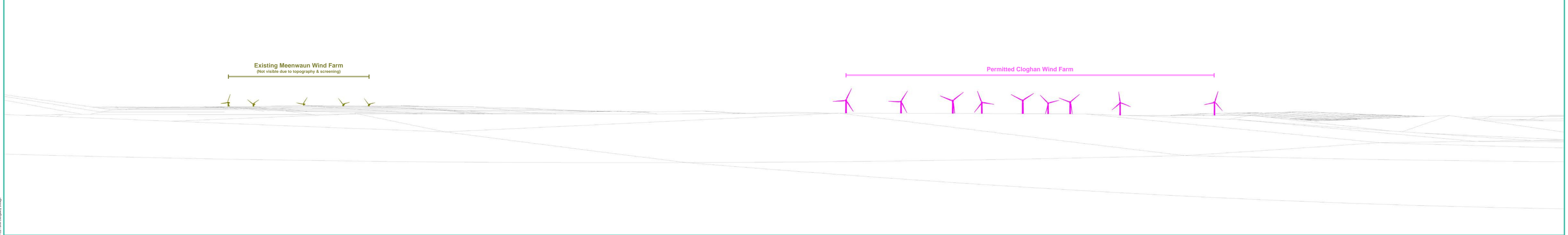
53.5 Degree View Extent North East View



Do nothing scenario at 90°



Matching wireframe

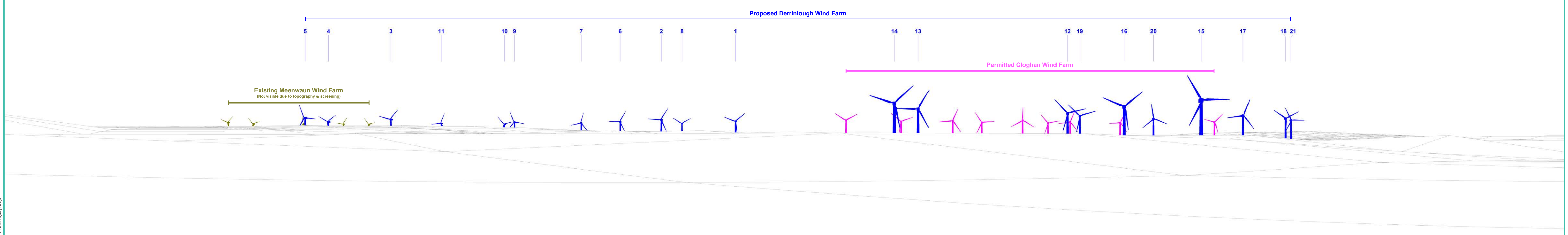




Proposed Photomontage at 90° with Cumulative



Matching wireframe

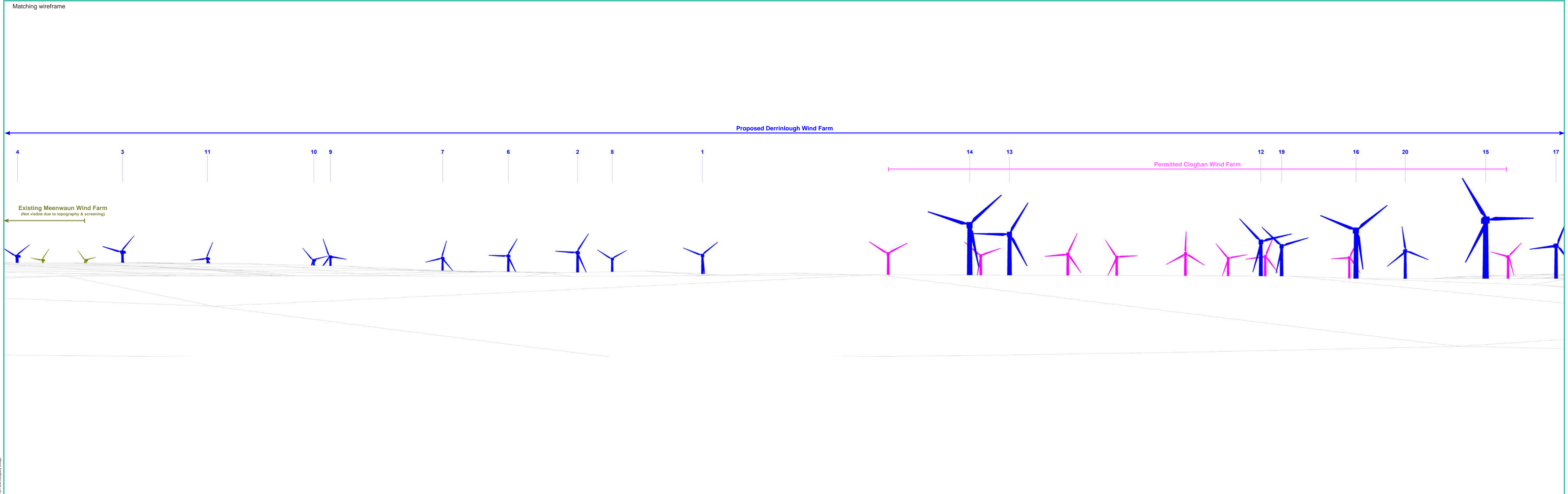




Proposed Photomontage at 53° with Cumulative









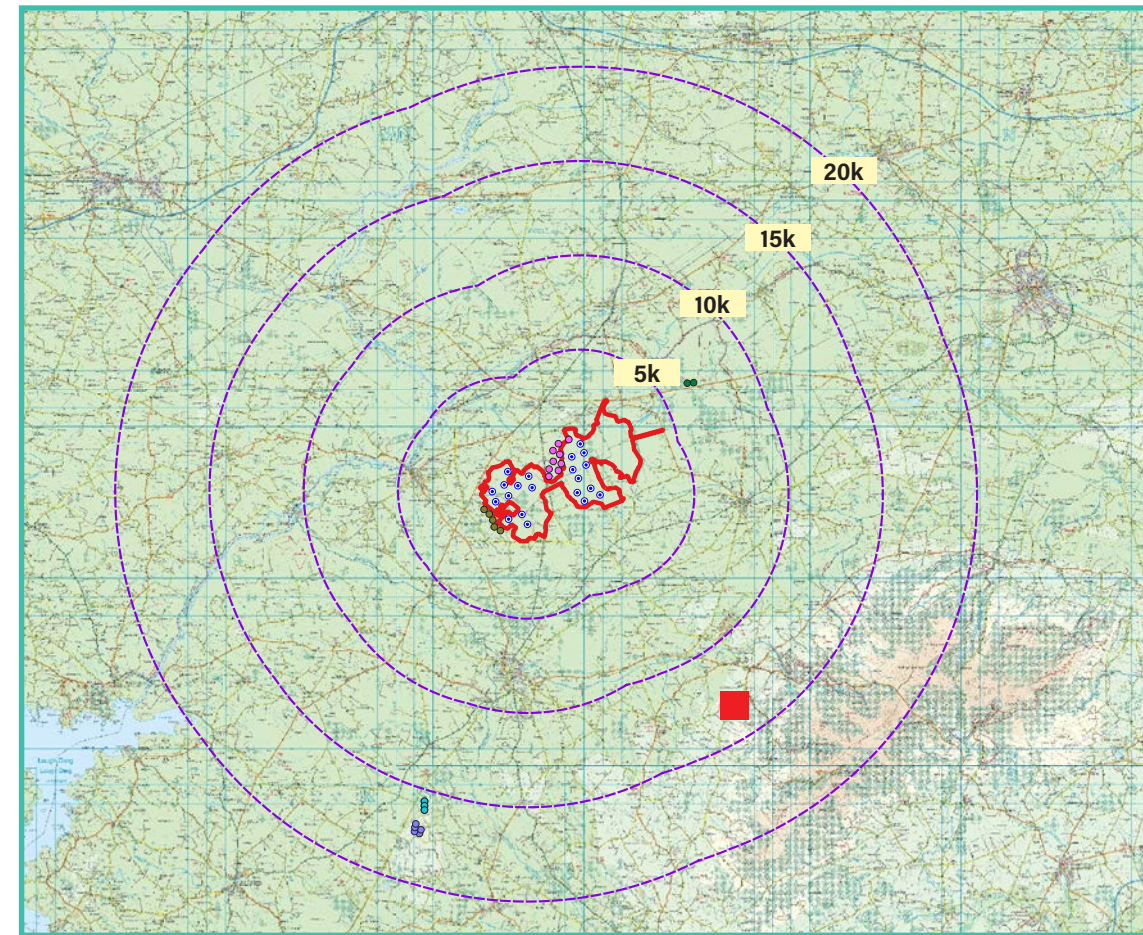




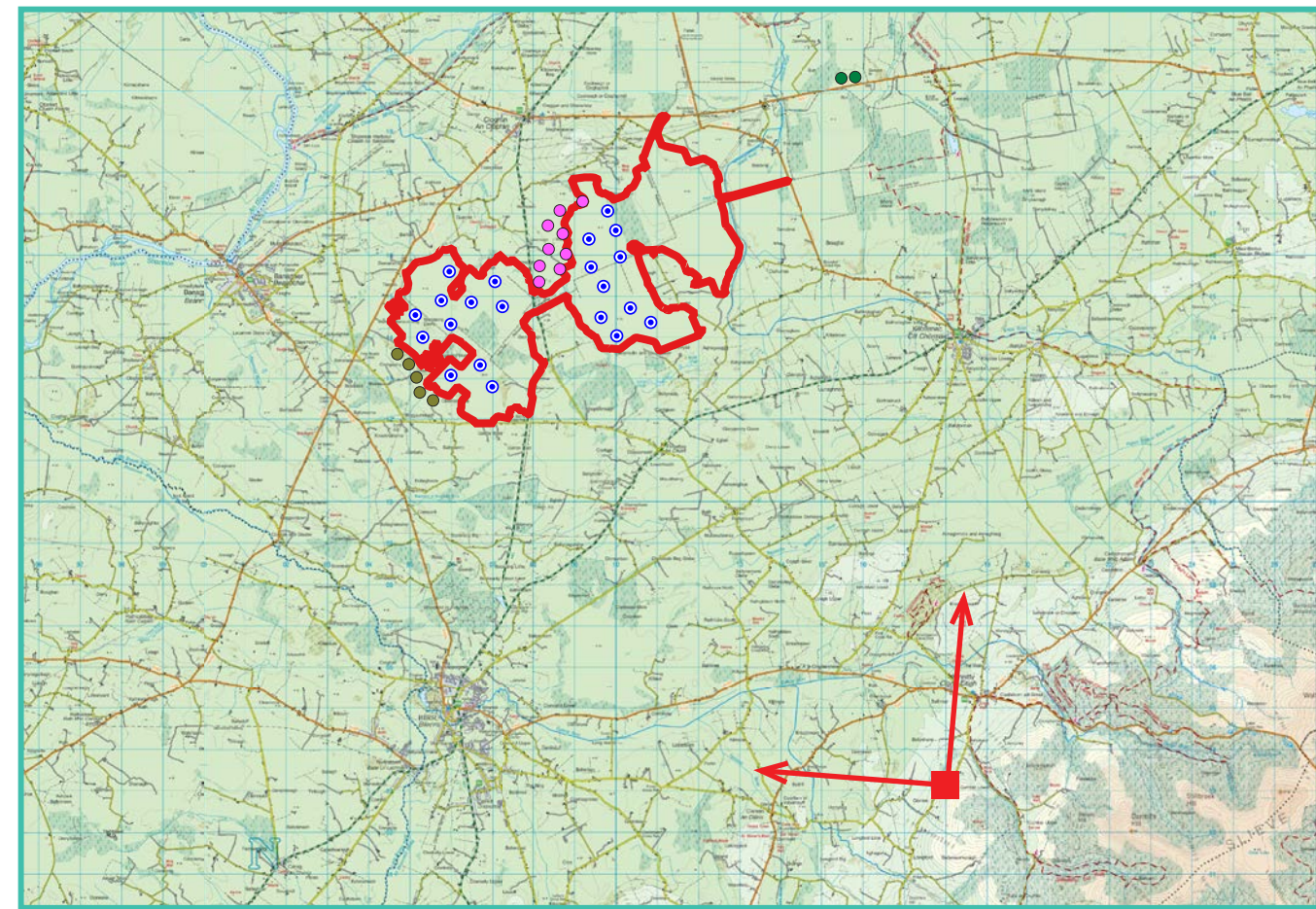
## Photomontage 9

**View Point:** View from the L-04025 local road in the townland of Cumber Lower, designated as County Offaly scenic view V16, approximately 14.53 km south-east of the nearest turbine.

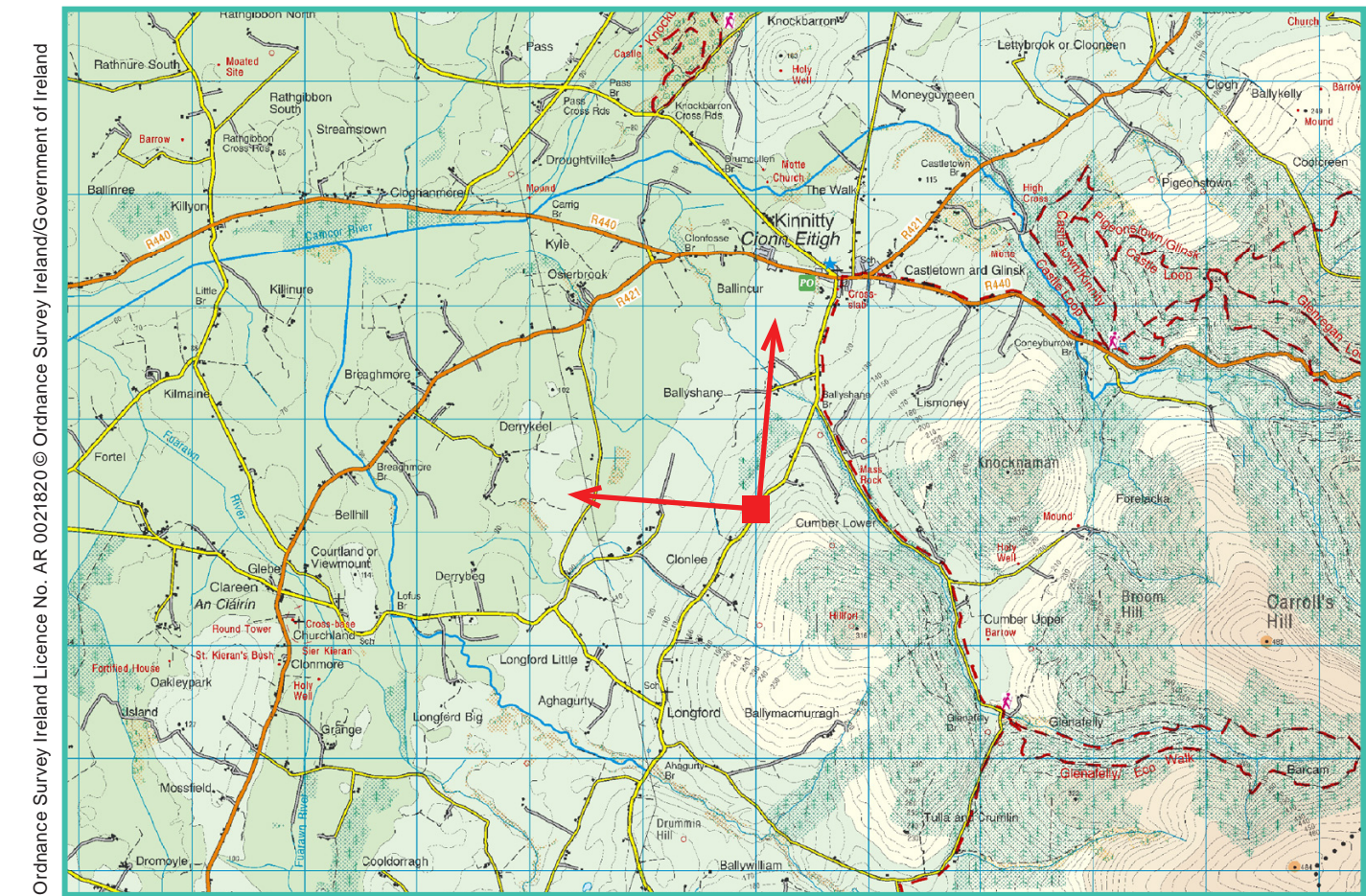
View point grid reference	218,120(E); 203,371(N)
Date of image taken	11.07.2019
Time of image taken	1:47pm
View point elevation	152m
Angle of Views	90° / 53.4°
View Direction (Image Centre)	320°
Horizontal extent of proposed turbines	20°
Distance to nearest proposed turbine	14.53 km (T5)
Number of proposed turbines visible	21/21
Turbine Hub Height	110m
Turbine Tip Height	185m
Turbine Rotor Diameter	150m
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 (core boundary outlined in red).



Detail of view point location.

## Map Legend

Area shown in 90-degree view

View point

EIAR Site Boundary

Proposed Derrinlough Wind Farm

Permitted Cloghan Wind Farm

Existing Meenawun Wind Farm

Existing Leabag Wind Farm

Existing Carrig Wind Farm

Existing Skehanagh Wind Farm

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Tel: (091) 73 56 11  
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Website: www.mkoireland.ie



90 - Degree View Extent

Key image at 120 degrees



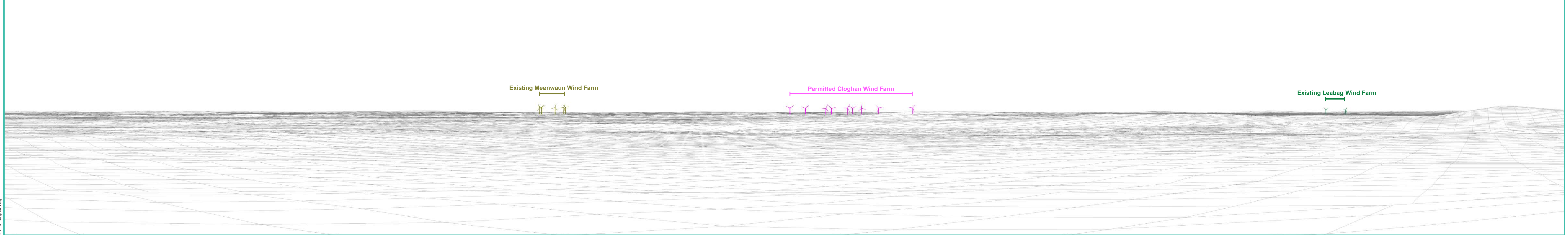
53.5-Degree View Extent



Do nothing scenario at 90 degrees



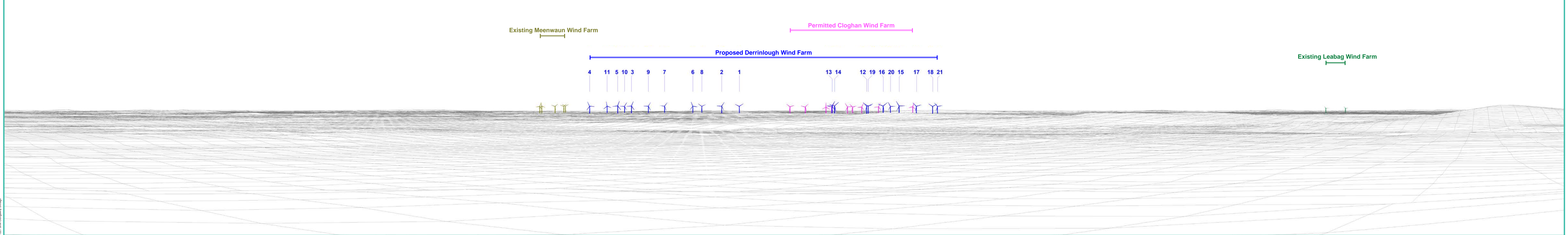
Matching wireframe







Matching wireframe





Proposed Photomontage at 53.5 degrees with Cumulative





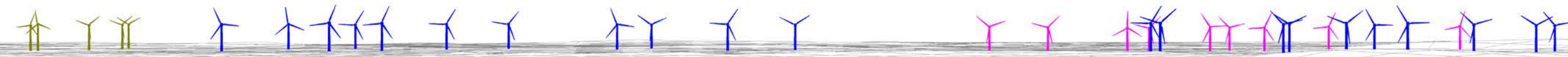
Matching wireframe

Existing Meenwaun Wind Farm

Permitted Cloghan Wind Farm

Proposed Derrinlough Wind Farm

- 4
- 11
- 5
- 10
- 3
- 9
- 7
- 6
- 8
- 2
- 1
- 13 14
- 12 19
- 16 20
- 15
- 17
- 18 21





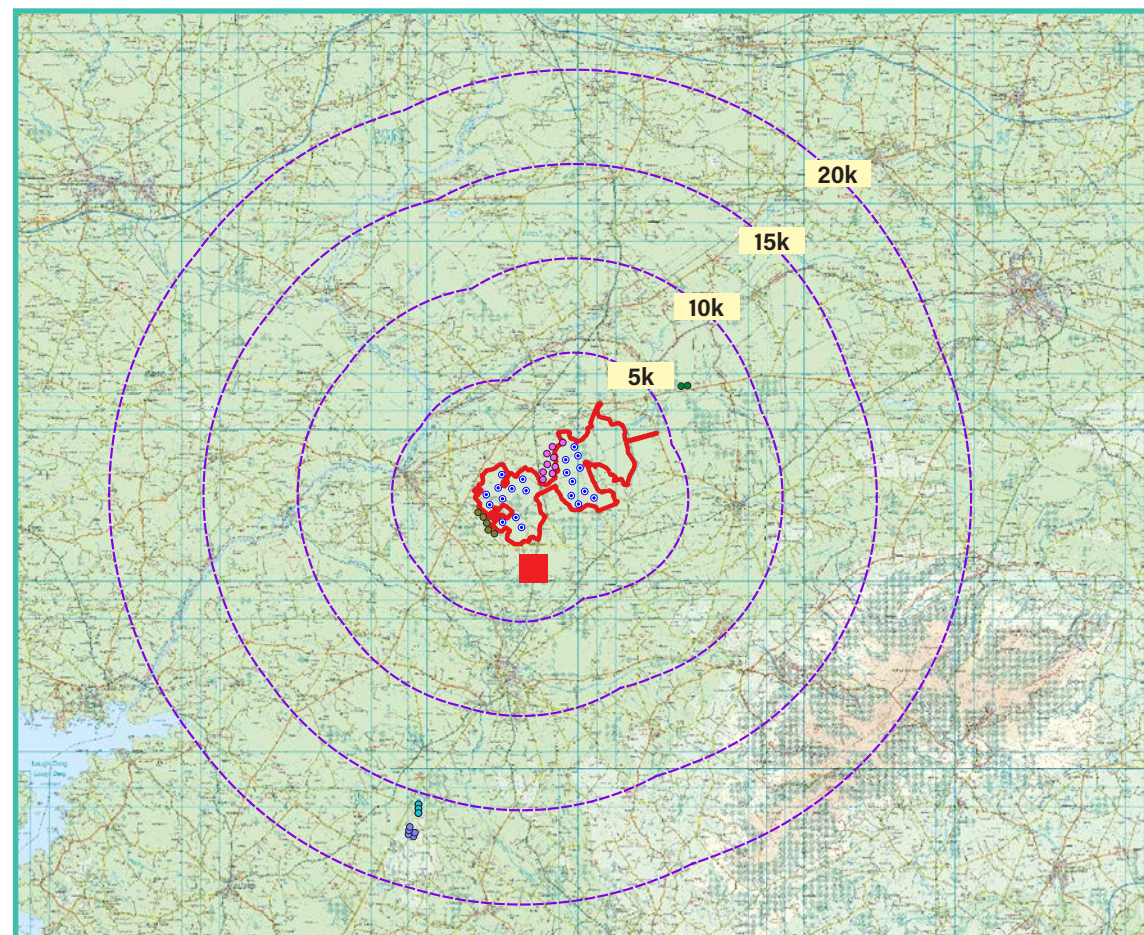




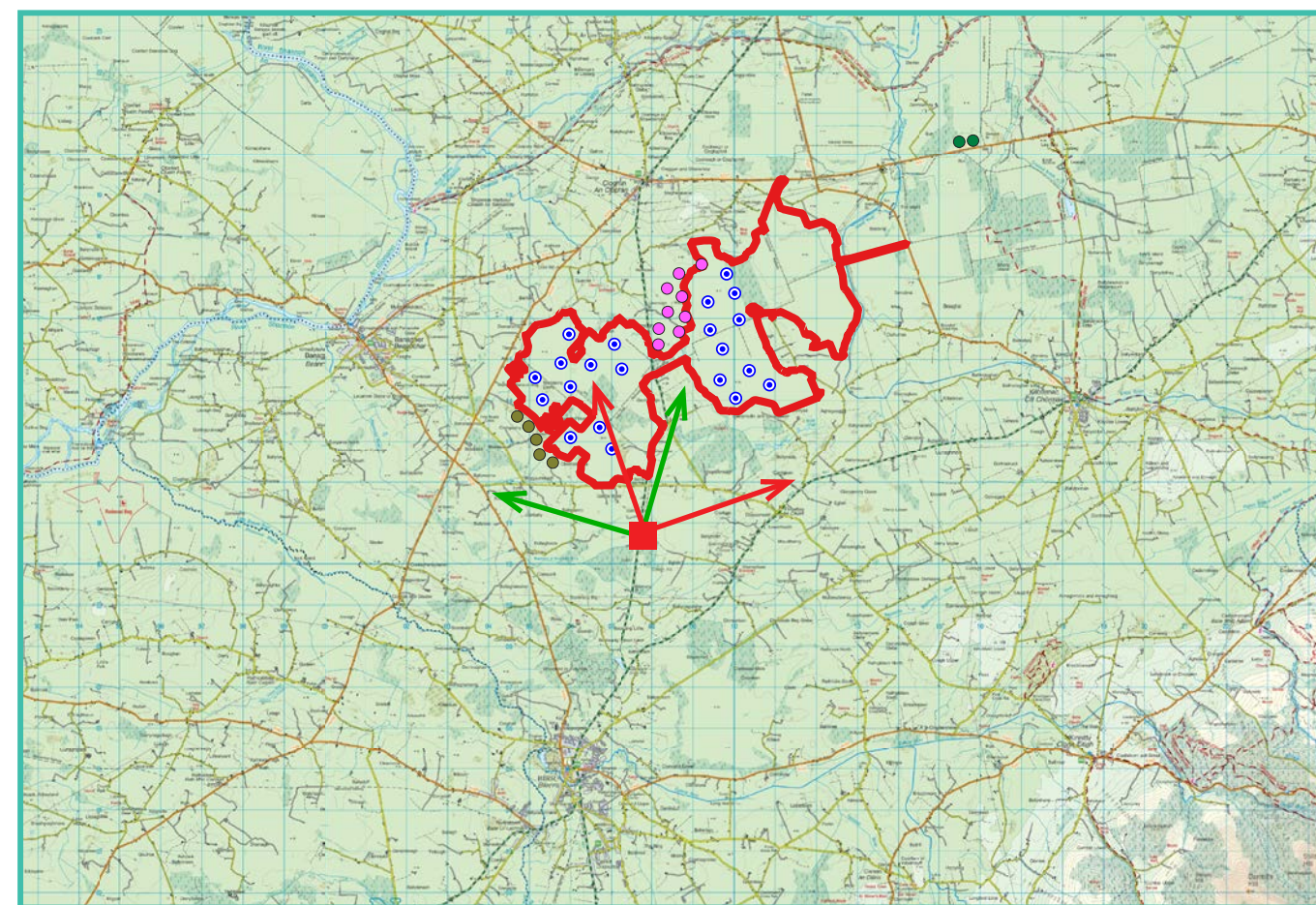
### Photomontage 10

**View Point:** View from the N62 national road in the townland of Galros East, approximately 2.35 km south of the nearest turbine.

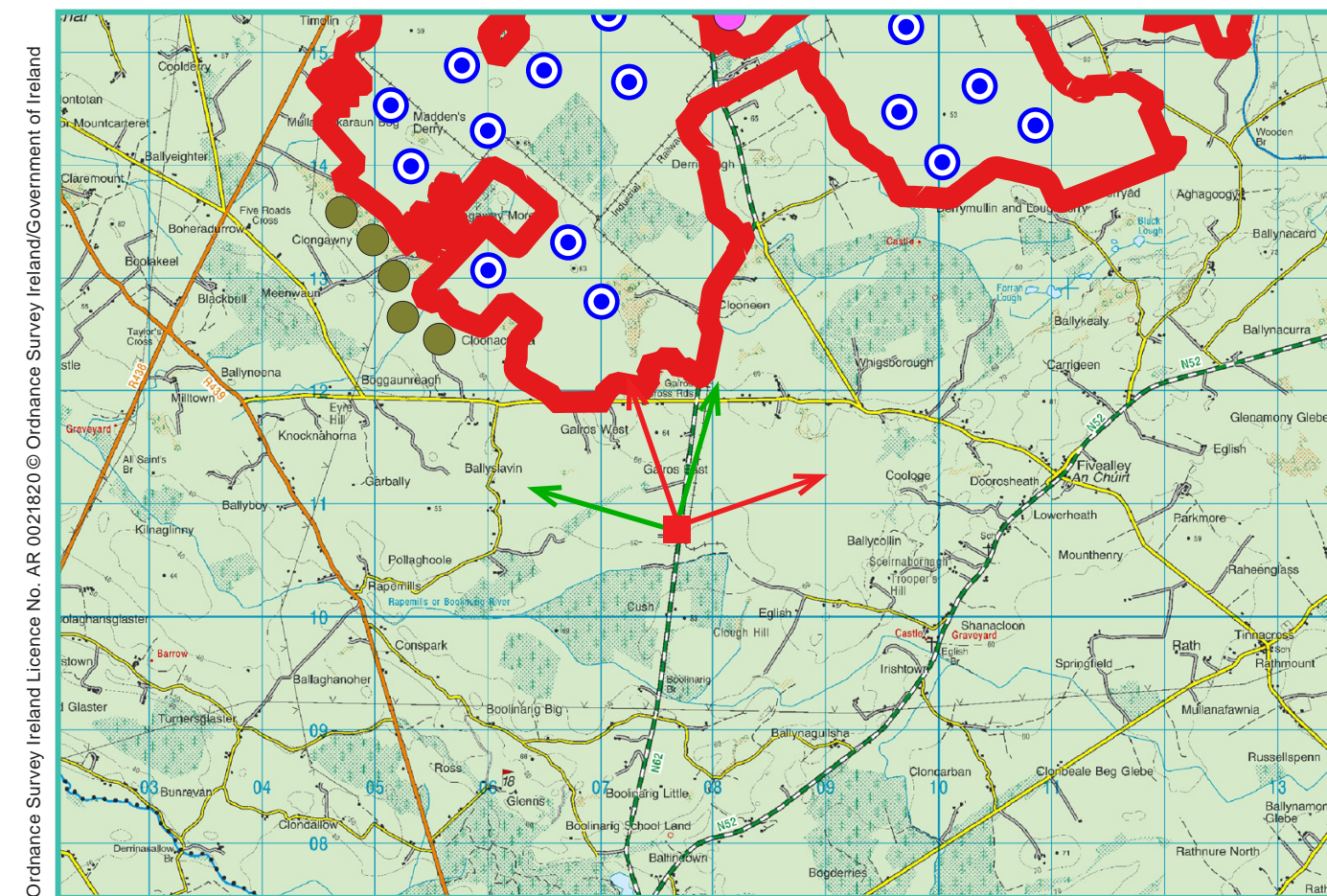
View point grid reference	207,688(E); 210,542(N)
Date of image taken	08.11.2018
Time of image taken	11:33am
View point elevation	50m
Angle of Views	90° / 53.4°
View Direction (Image Centre)	25°333°
Horizontal extent of proposed turbines	98°
Distance to nearest proposed turbine	2.35km (T5)
Number of proposed turbines visible	20/21
Turbine Hub Height	110m
Turbine Tip Height	185m
Turbine Rotor Diameter	150m
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 (core boundary outlined in red).



Detail of view point location.

**Map Legend**

- Area shown in 90-degree view
- View point
- EIAR Site Boundary
- Proposed Derrinlough Wind Farm
- Permitted Cloghan Wind Farm
- Existing Meenawun Wind Farm
- Existing Leabag Wind Farm
- Existing Carrig Wind Farm
- Existing Skehanagh Wind Farm

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 Website: www.mkoireland.ie



90 - Degree View Extent North West

90 - Degree View Extent North East

Key image at 180 degrees



53.5-Degree View Extent North West

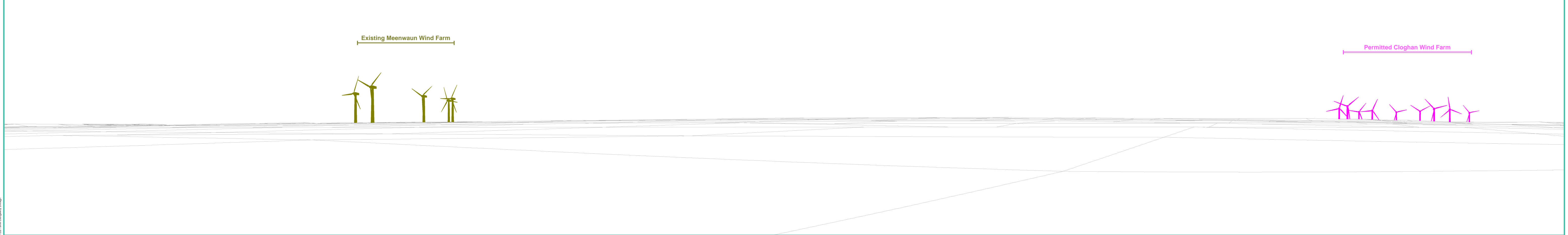
53.5 Degree View Extent North East View



Do nothing scenario at 90 North West View



Matching wireframe

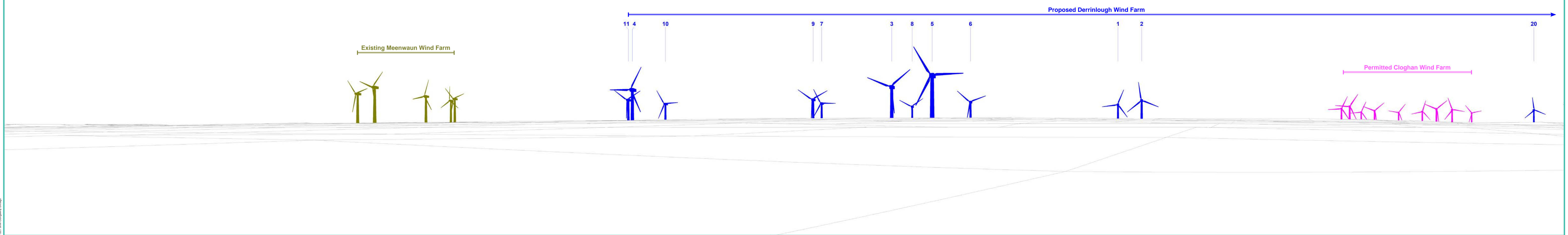




Proposed Photomontage at 90° with Cumulative North West View



Matching wireframe

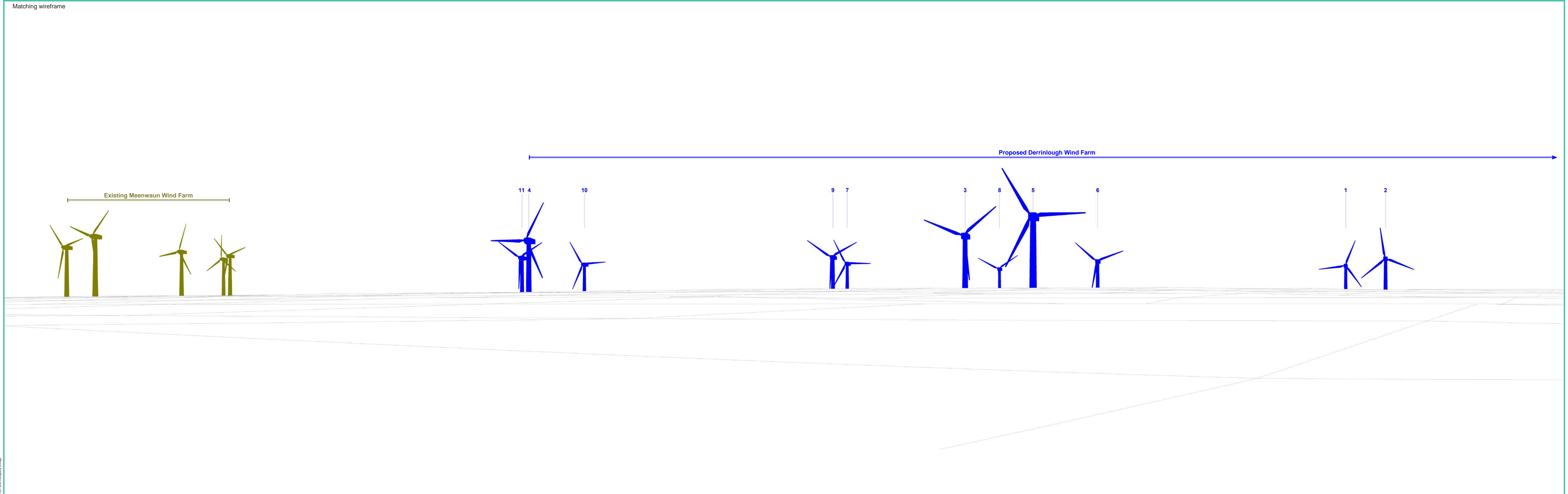




Proposed Photomontage at 53.5° with Cumulative North West View









Do nothing scenario at 90 degrees



Matching wireframe

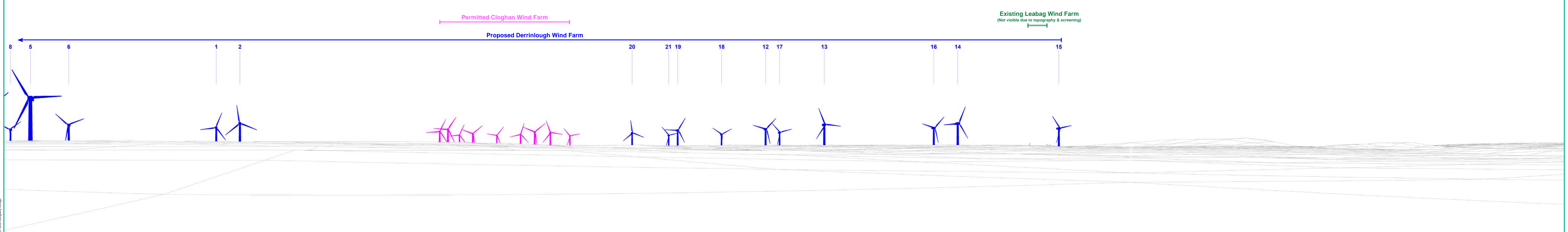




Proposed Photomontage at 90° with Cumulative North East View



Matching wireframe

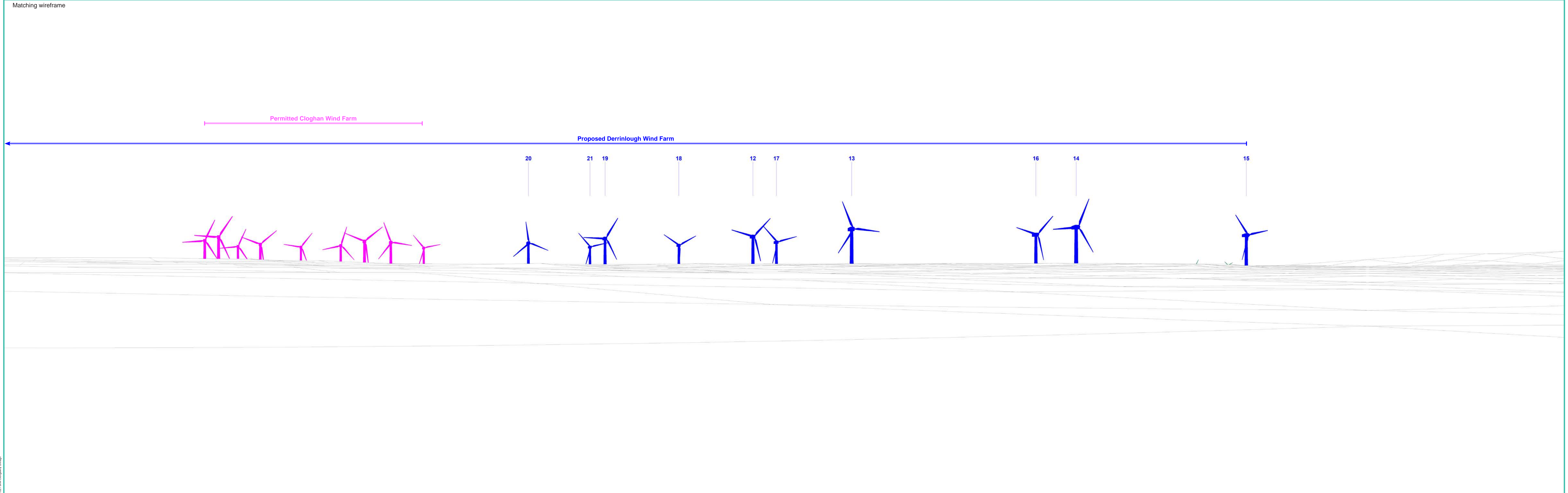




Proposed Photomontage at 53.5° with Cumulative North East View









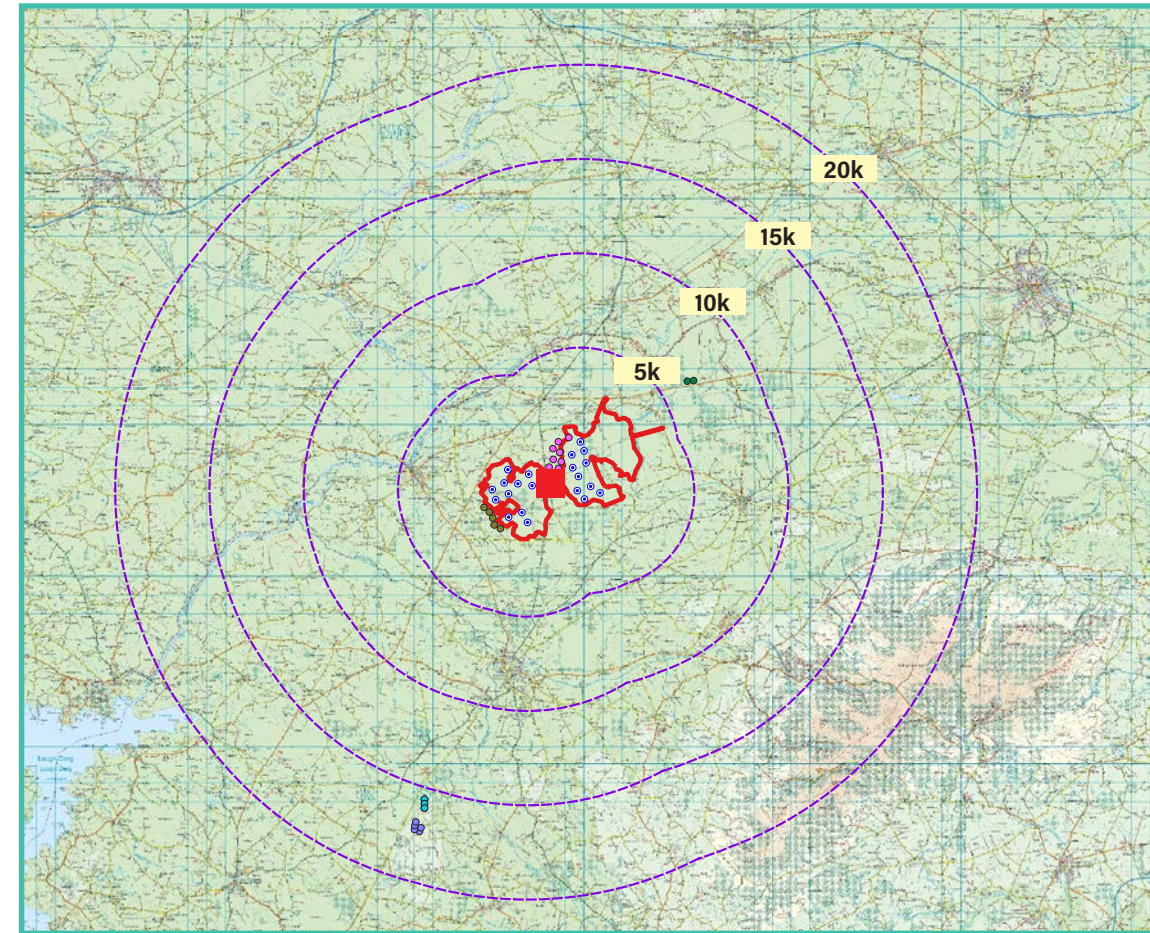




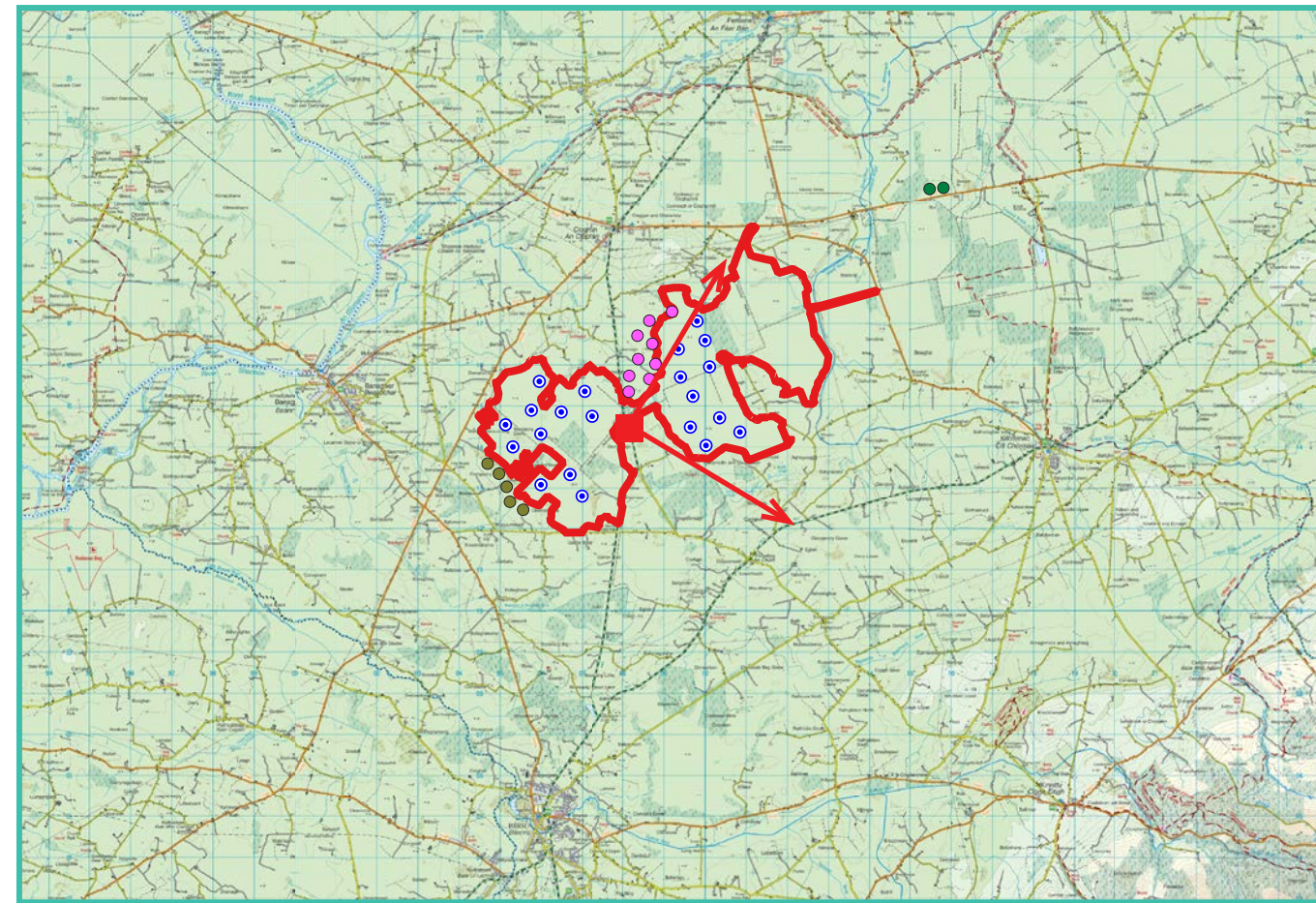
### Photomontage 11 (East)

**View Point:** View from the N62 national road in the townland of Derrinlough, approximately 1.5 km west of the nearest turbine to the east.

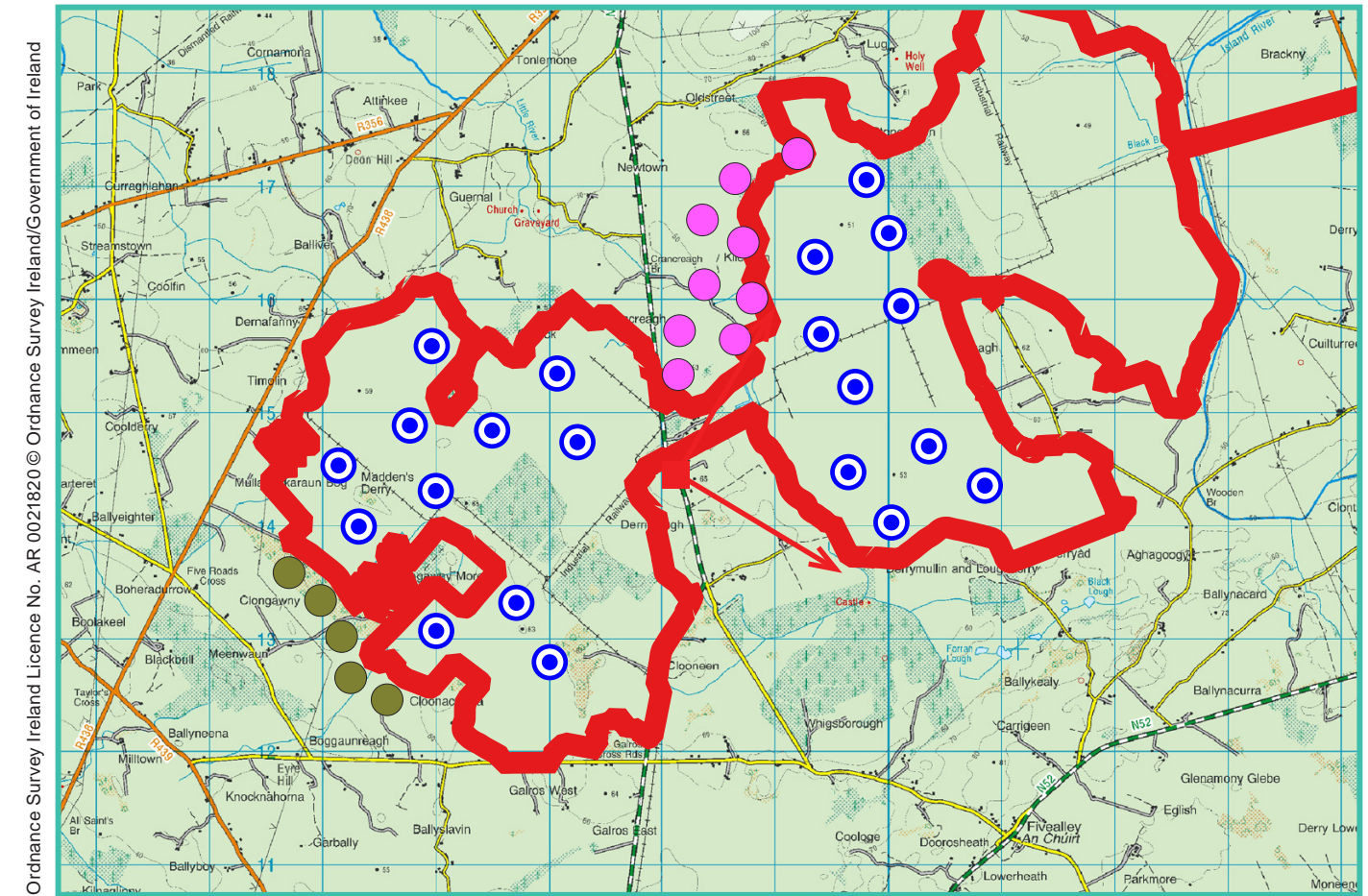
View point grid reference	208,152(E); 214,386(N)
Date of image taken	19.12.2019
Time of image taken	12:01pm
View point elevation	61m
Angle of Views	90° / 53.4°
View Direction (Image Centre)	71°
Horizontal extent of proposed turbines	70°
Distance to nearest proposed turbine	1.5km (T10)
Number of proposed turbines visible	10/10
Turbine Hub Height	110m
Turbine Tip Height	185m
Turbine Rotor Diameter	150m
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 (core boundary outlined in red).



Detail of view point location.

#### Map Legend

- Area shown in 90-degree view
- View point
- EIAR Site Boundary
- Proposed Derrinlough Wind Farm
- Permitted Cloghan Wind Farm
- Existing Meenawun Wind Farm
- Existing Leabag Wind Farm
- Existing Carrig Wind Farm
- Existing Skehanagh Wind Farm

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#### 90 - Degree View Extent

Key image at 120 degrees



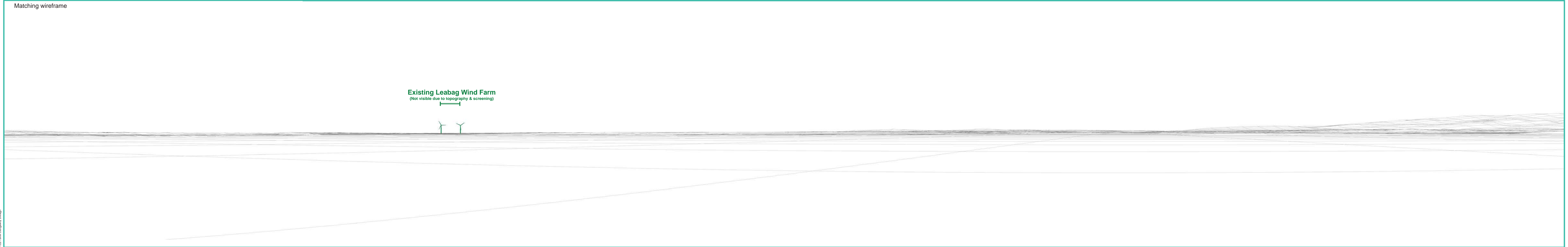
#### 53.5-Degree View Extent



Do nothing scenario at 90 degrees



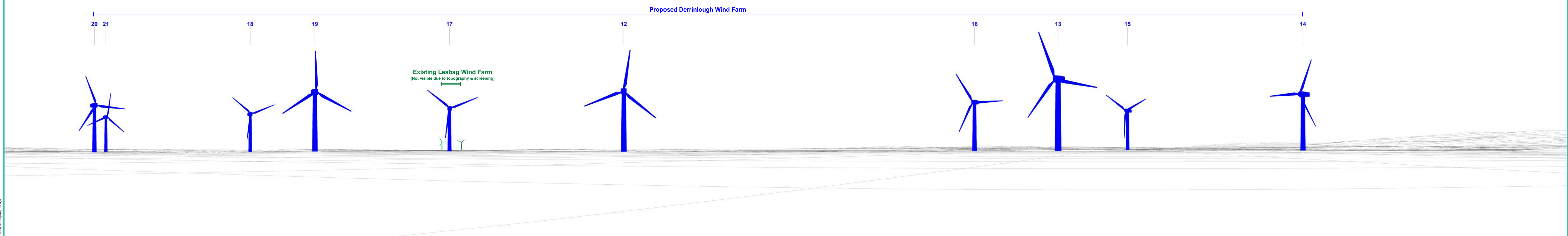
Matching wireframe







Matching wireframe

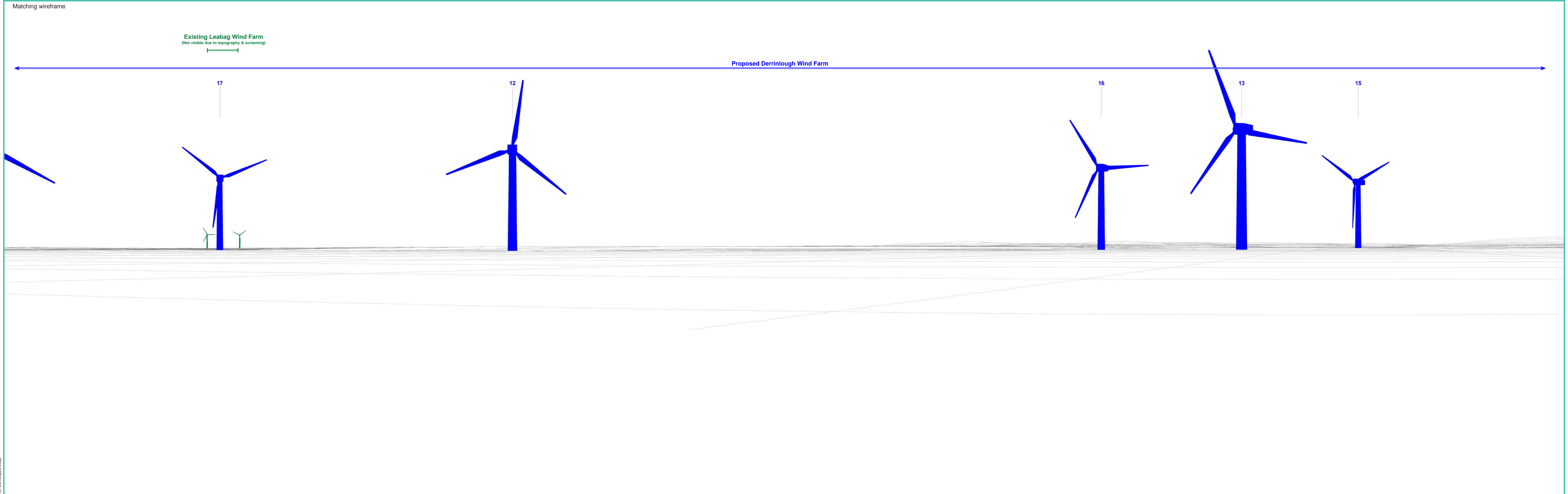




Proposed Photomontage at 53.5 degrees with Cumulative







Matching wireframe

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

Proposed Derrinlough Wind Farm

17

12

16

13

15



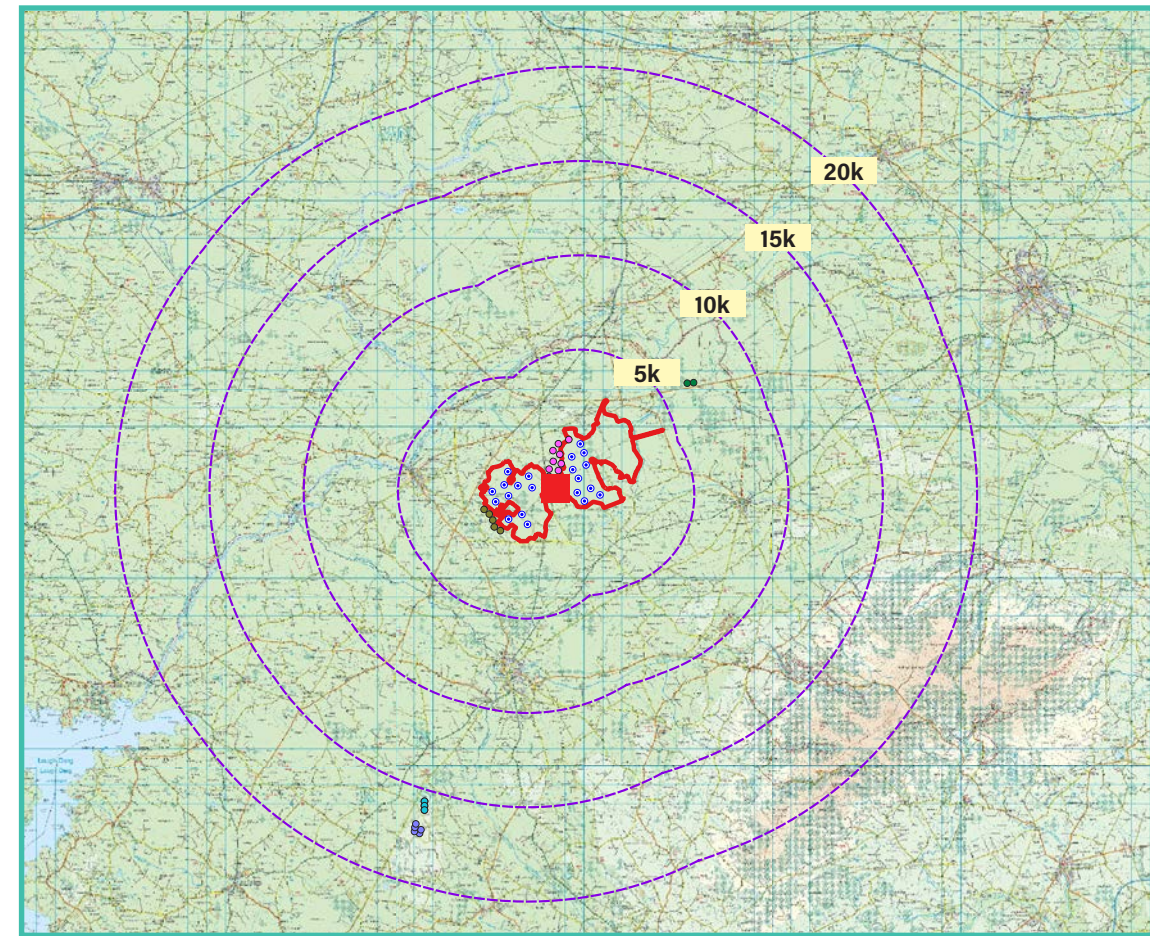




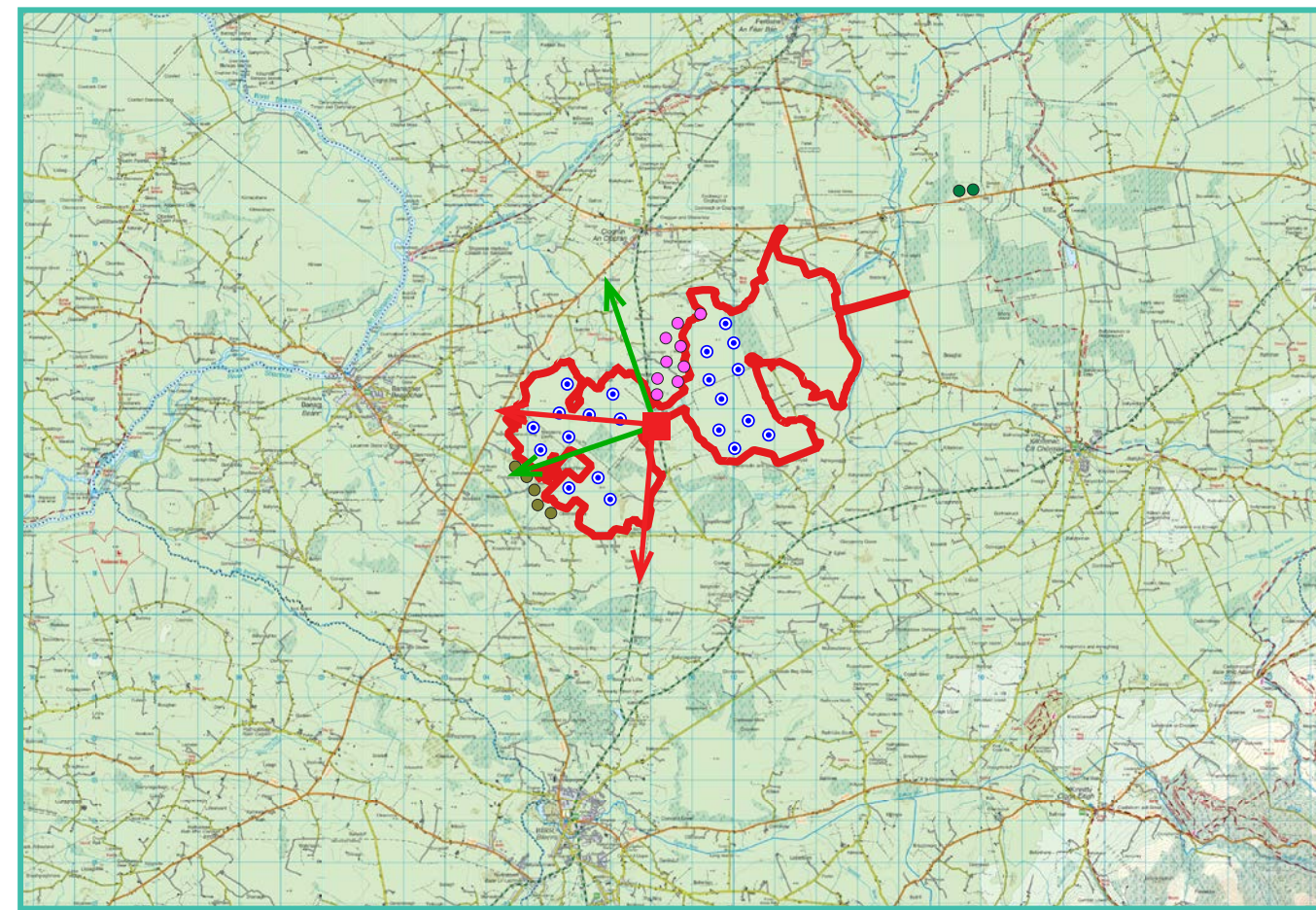
### Photomontage 11 (West)

**View Point:** View from the N62 national road in the townland of Derrinlough, approximately 0.96 km south-east of the nearest turbine to the north-west.

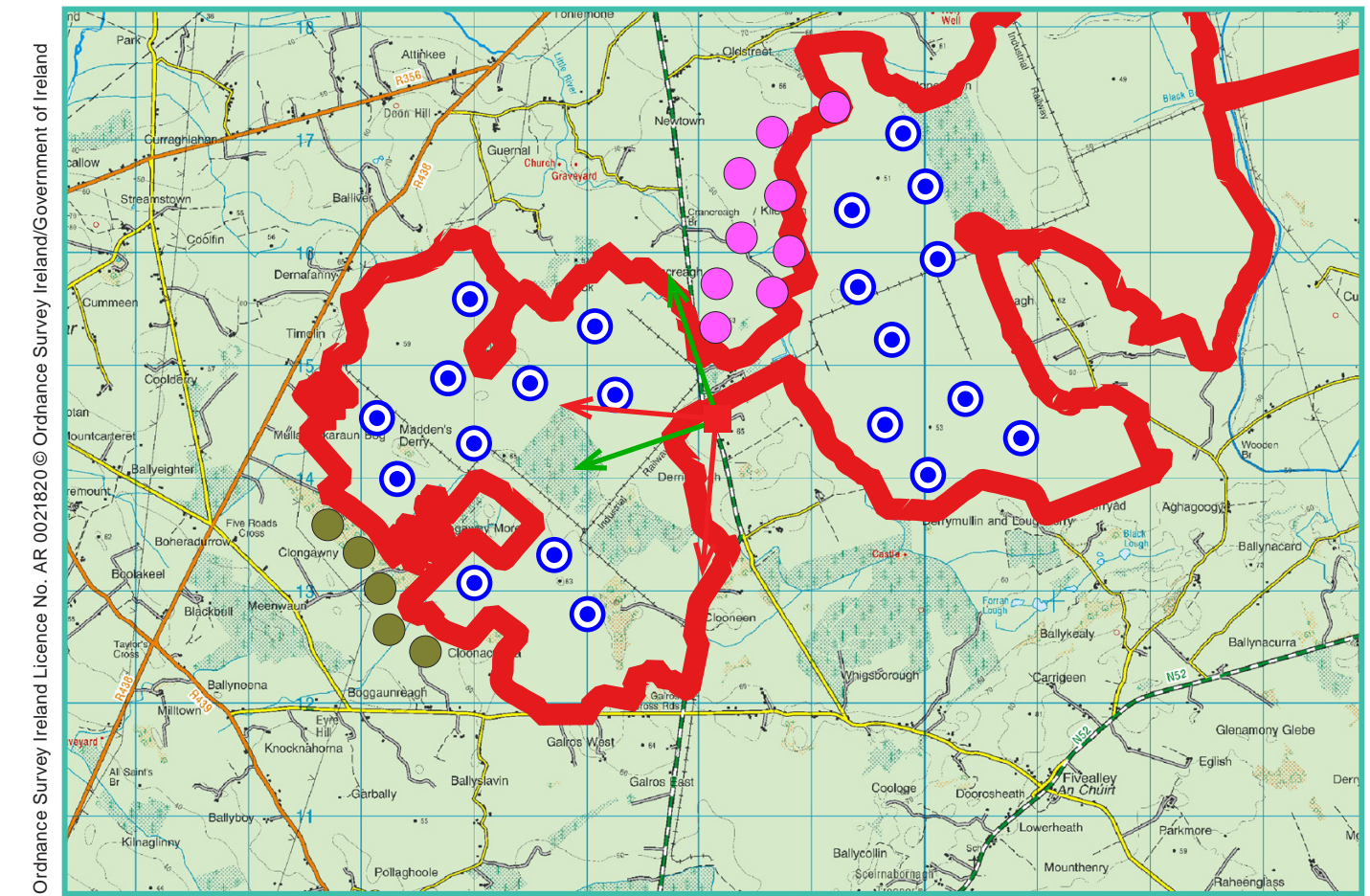
View point grid reference	208,152(E); 214,386(N)
Date of image taken	19.12.2019
Time of image taken	12:01pm
View point elevation	61m
Angle of Views	230° / 300°
View Direction (Image Centre)	264°
Horizontal extent of proposed turbines	97°
Distance to nearest proposed turbine	0.96km (T10)
Number of proposed turbines visible	11/11
Turbine Hub Height	110m
Turbine Tip Height	185m
Turbine Rotor Diameter	150m
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 (core boundary outlined in red).



Detail of view point location.

#### Map Legend

- Area shown in 90-degree view
- View point
- EIA Site Boundary
- Proposed Derrinlough Wind Farm
- Permitted Cloghan Wind Farm
- Existing Meenawun Wind Farm
- Existing Leabag Wind Farm
- Existing Carrig Wind Farm
- Existing Skehanagh Wind Farm

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90 - Degree View Extent South West View

90 - Degree View Extent North West View

Key image at 120 degrees



53.5 Degree View Extent South East View

53.5-Degree View Extent South West



Do nothing scenario at 90° North West View



Matching wireframe at 90°

Existing Meenwaun Wind Farm

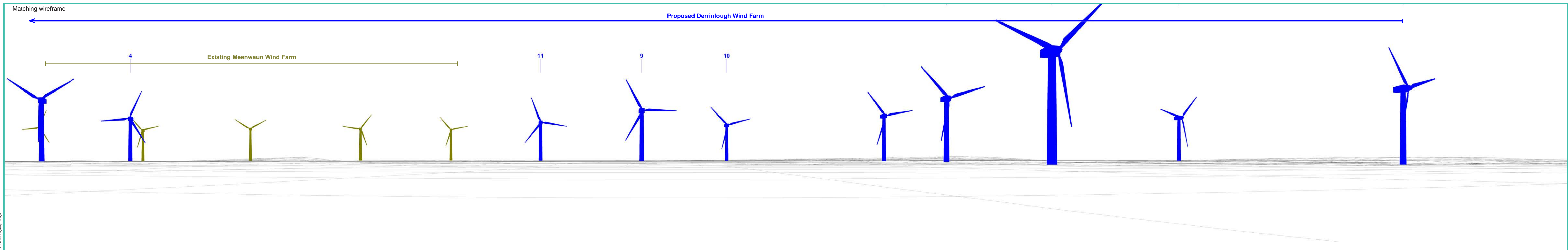




0° Included Angle (Degrees)  
Proposed photomontage at 90° with Cumulative North West View



Matching wireframe



255° Direction (Degrees)

300°

345°



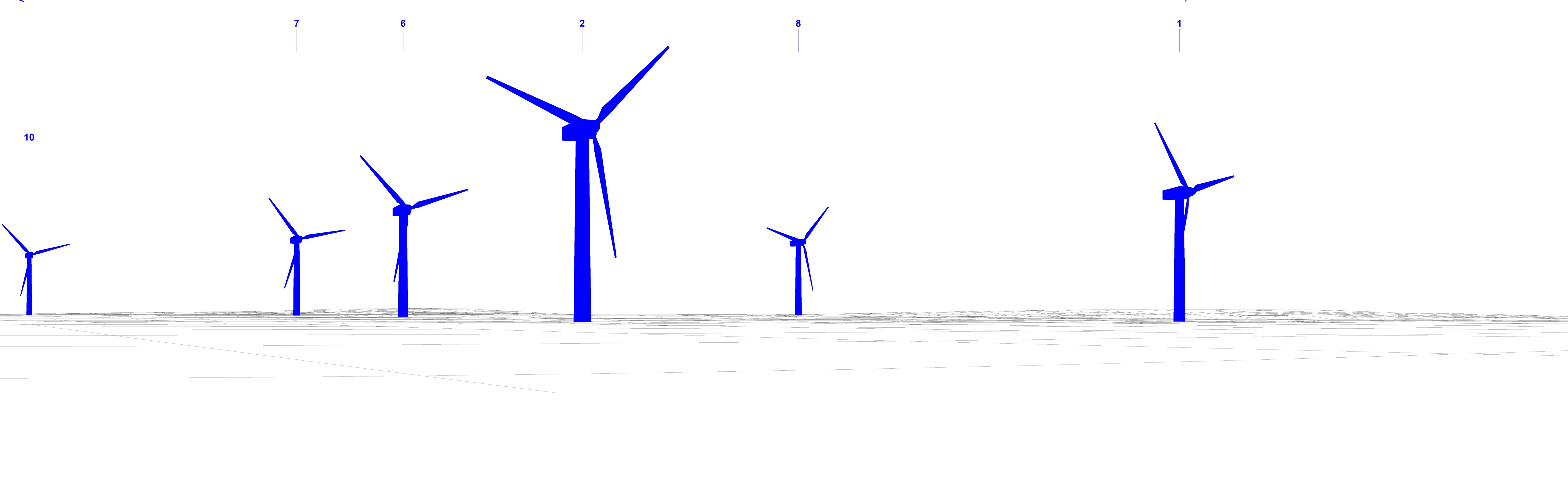
Proposed Photomontage at 53.5° with Cumulative North West View





Matching wireframe

Proposed Derrinlough Wind Farm





Do nothing scenario at 90° South West View



Matching wireframe at 90°

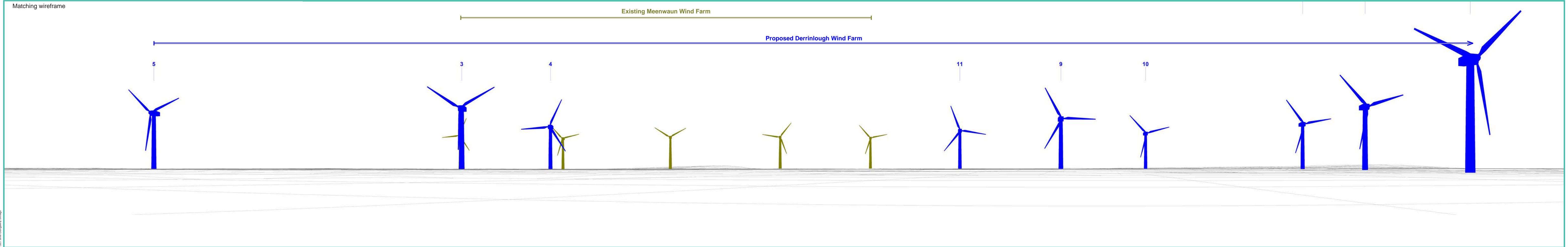




Proposed photomontage at 90° with Cumulative South West View



Matching wireframe





Proposed Photomontage at 53.5° with Cumulative South West View





Matching wireframe

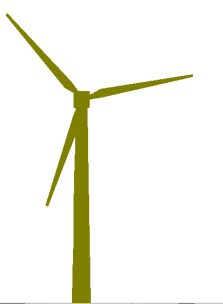
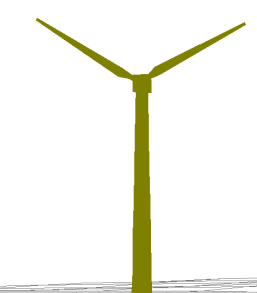
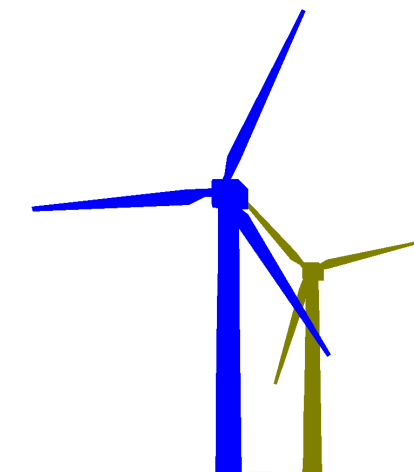
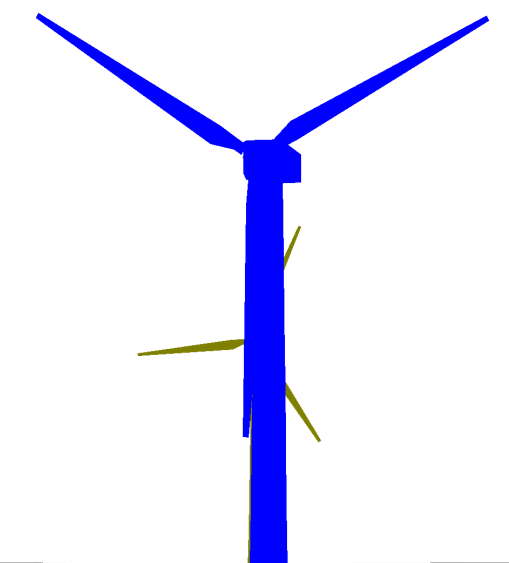
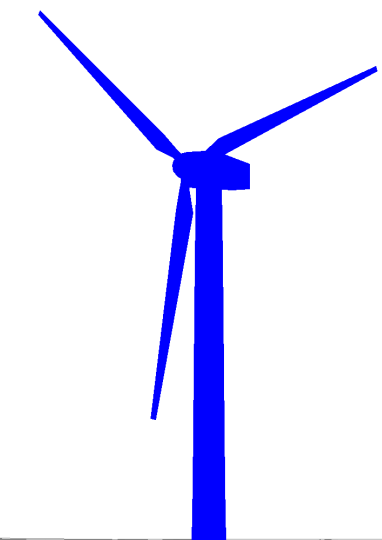
Existing Meenwaun Wind Farm

Proposed Derrinlough Wind Farm

5

3

4





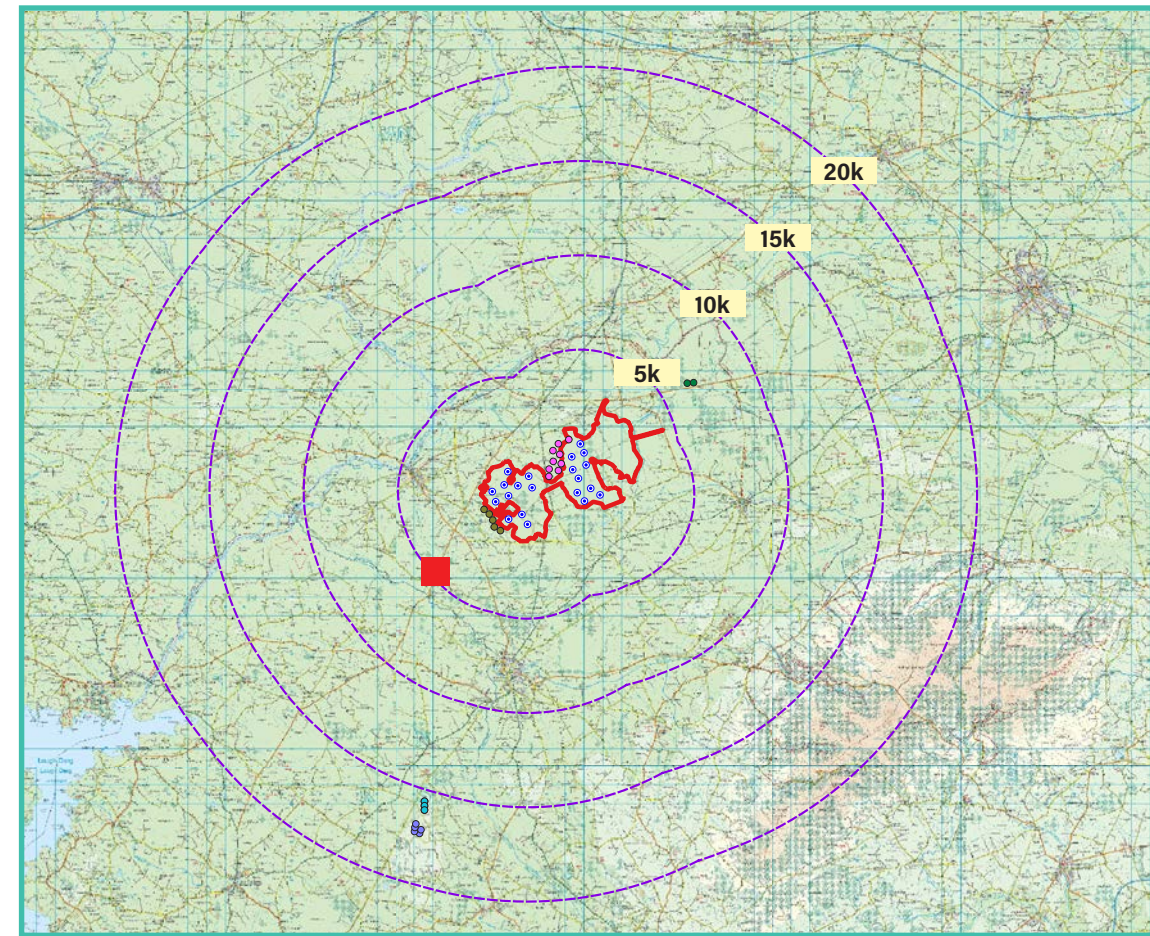




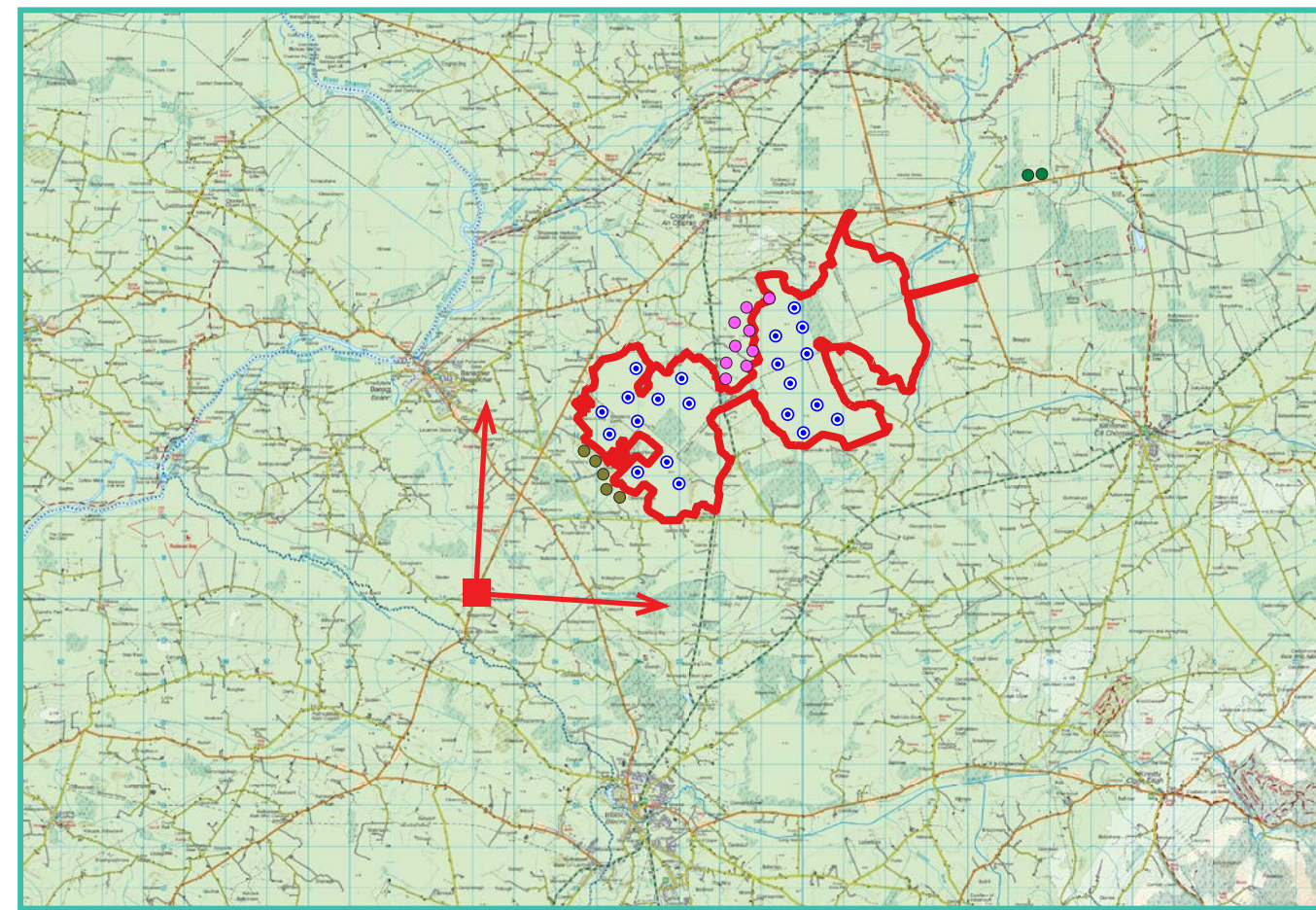
## Photomontage 12

**View Point:** View from the R438 regional road in the townland of Glaster, approximately 5.03 km south-west of the nearest turbine.

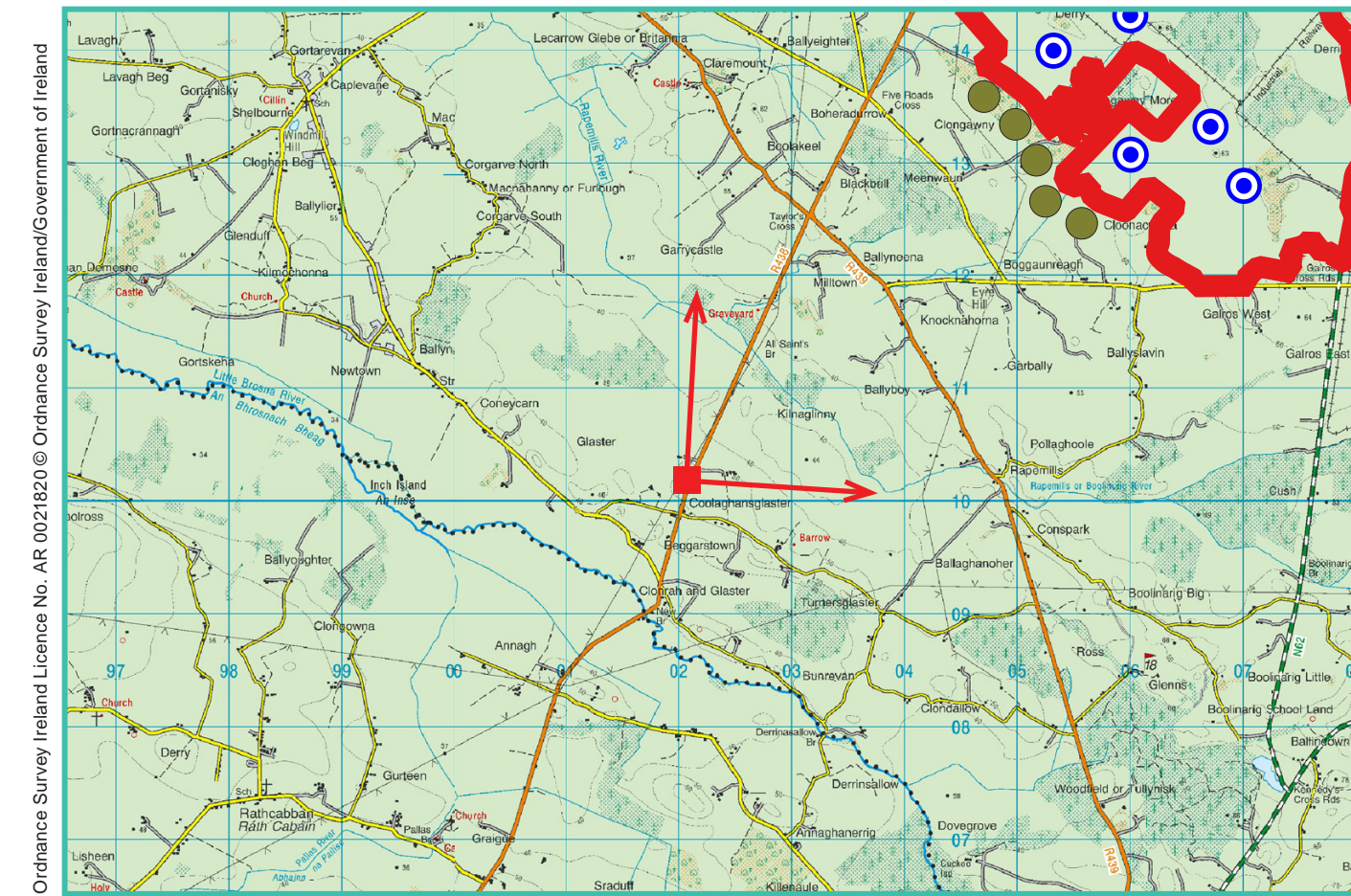
View point grid reference	202,080(E); 210,133(N)
Date of image taken	13.11.2018
Time of image taken	4:19pm
View point elevation	51m
Angle of Views	90° / 53.4°
View Direction (Image Centre)	48°
Horizontal extent of proposed turbines	29°
Distance to nearest proposed turbine	5.03km (T4)
Number of proposed turbines visible	21/21
Turbine Hub Height	110m
Turbine Tip Height	185m
Turbine Rotor Diameter	150m
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 (core boundary outlined in red).



Detail of view point location.

### Map Legend

- Area shown in 90-degree view
- View point
- EIAR Site Boundary
- Proposed Derrinlough Wind Farm
- Permitted Cloghan Wind Farm
- Existing Meenwaun Wind Farm
- Existing Leabag Wind Farm
- Existing Carrig Wind Farm
- Existing Skehanagh Wind Farm

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



90 - Degree View Extent

Key image at 120 degrees



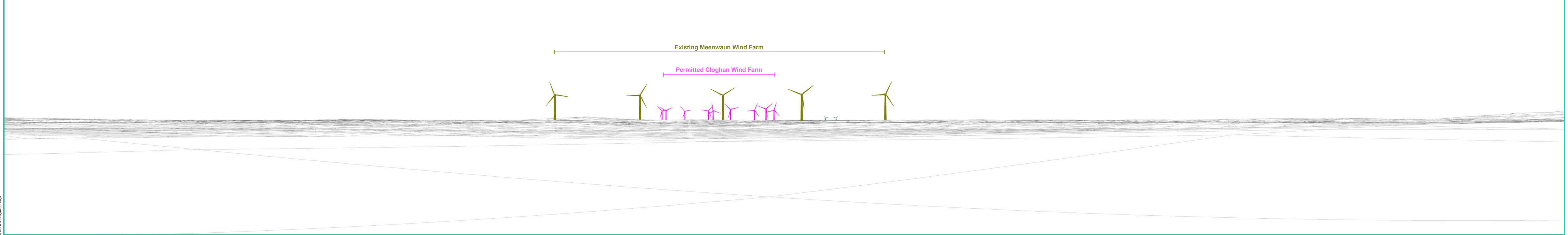
53.5-Degree View Extent



Do nothing scenario at 90 degrees



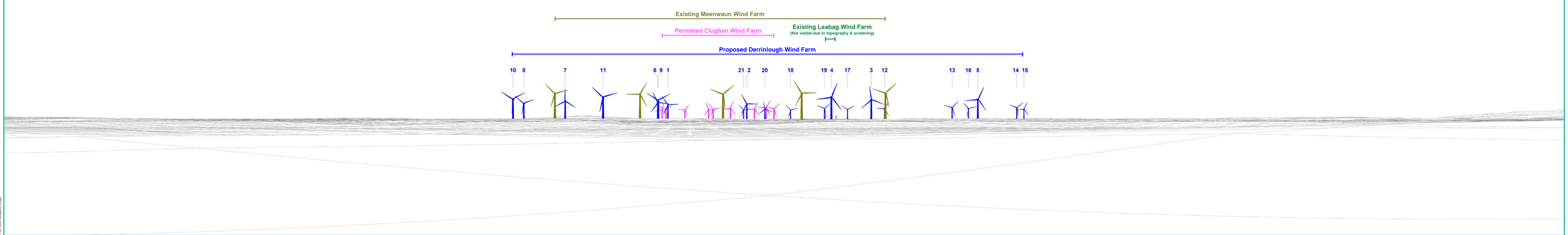
Matching wireframe







Matching wireframe



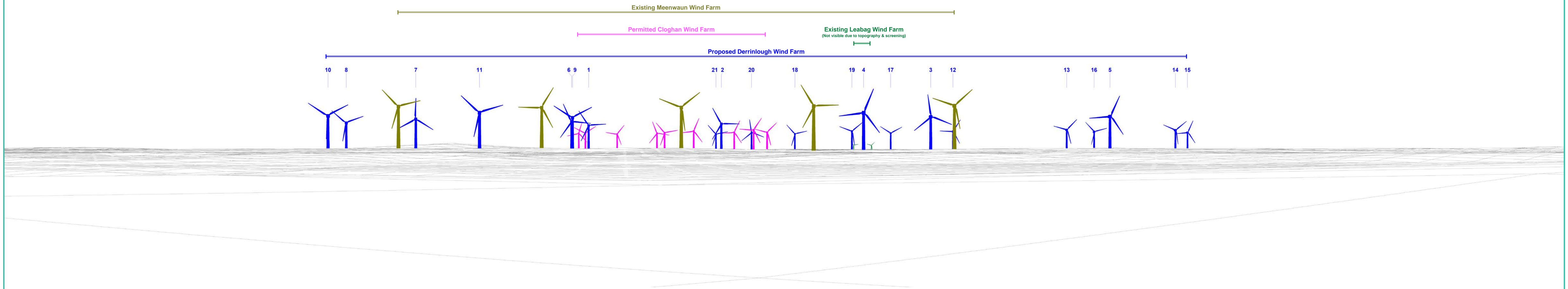


Proposed Photomontage at 53.5 degrees with Cumulative





Matching wireframe





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# TURBINE ENVELOPE MIX

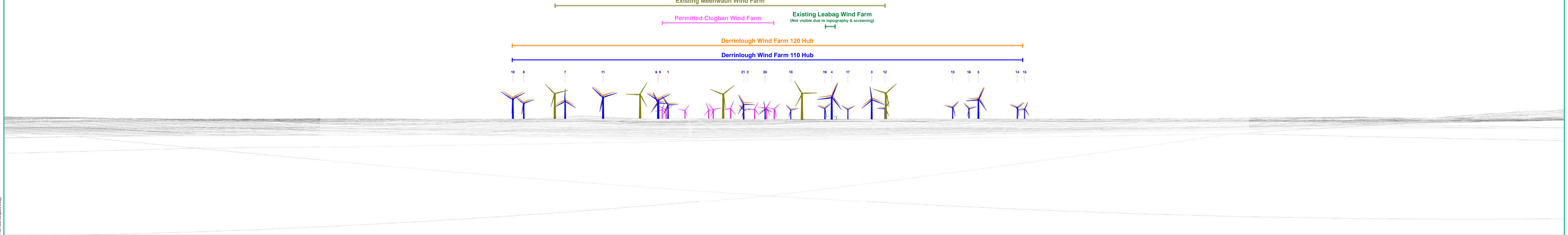
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Photomontage 90 Degrees Turbine Envelope Mix



Matching wireframe



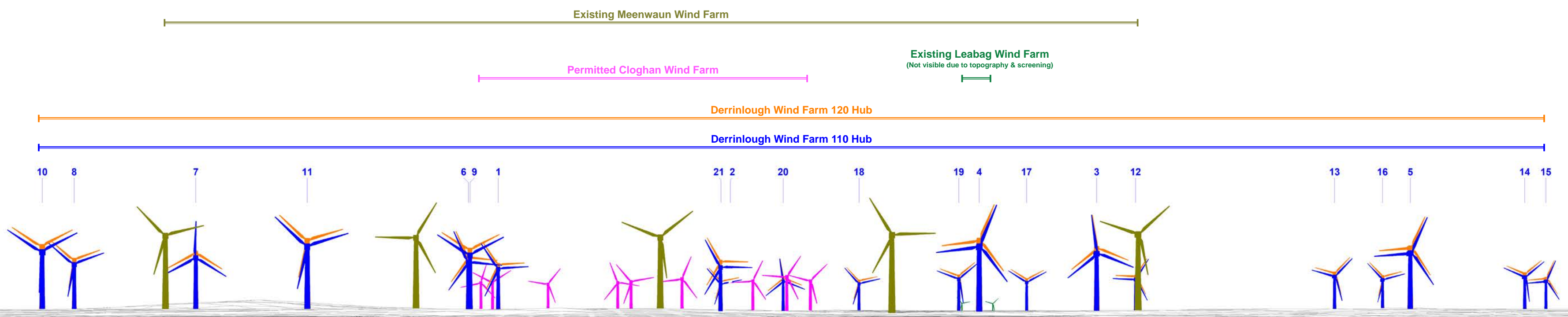


Photomontage at 53.5 degrees with Cumulative Turbine Envelope Mix





Matching wireframe







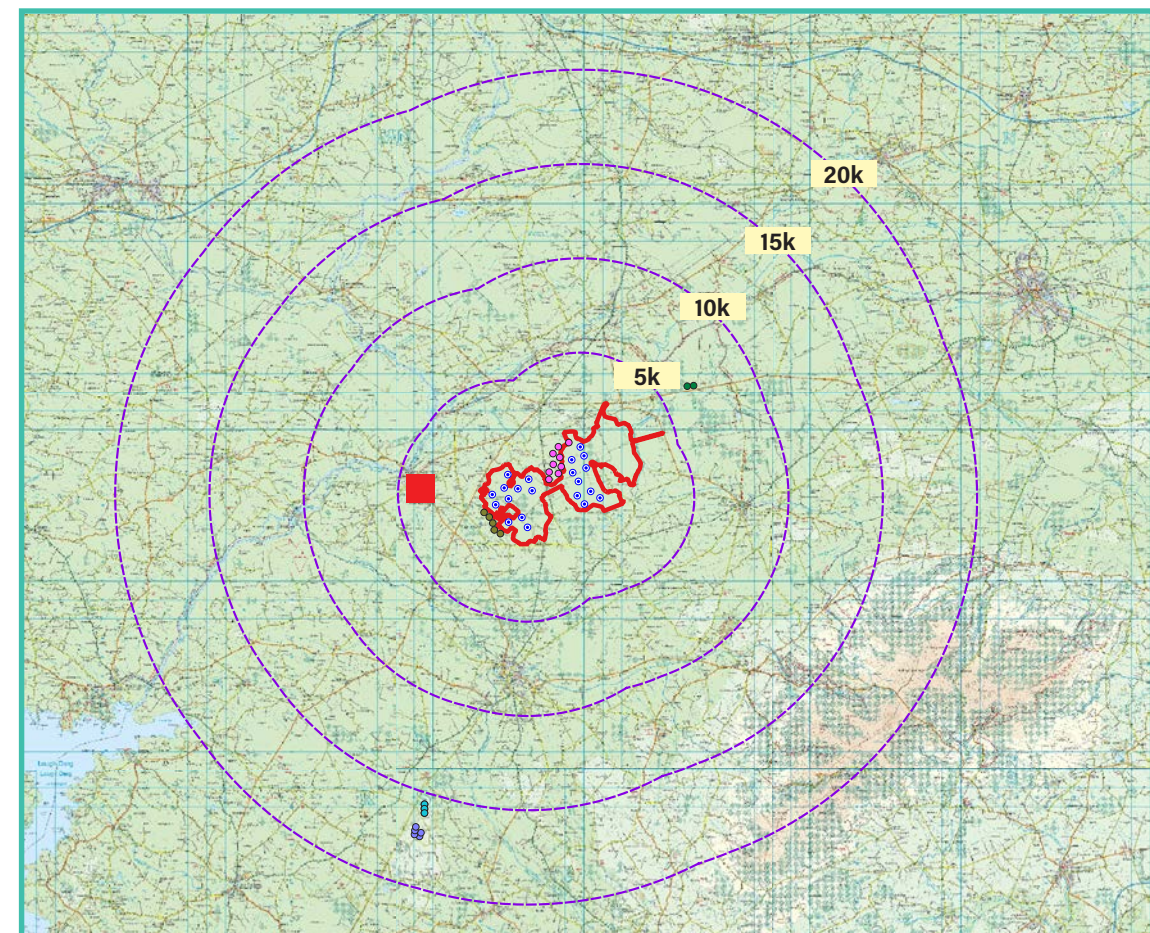


**View Point 13**  
**Banagher Town (Feeghs)**

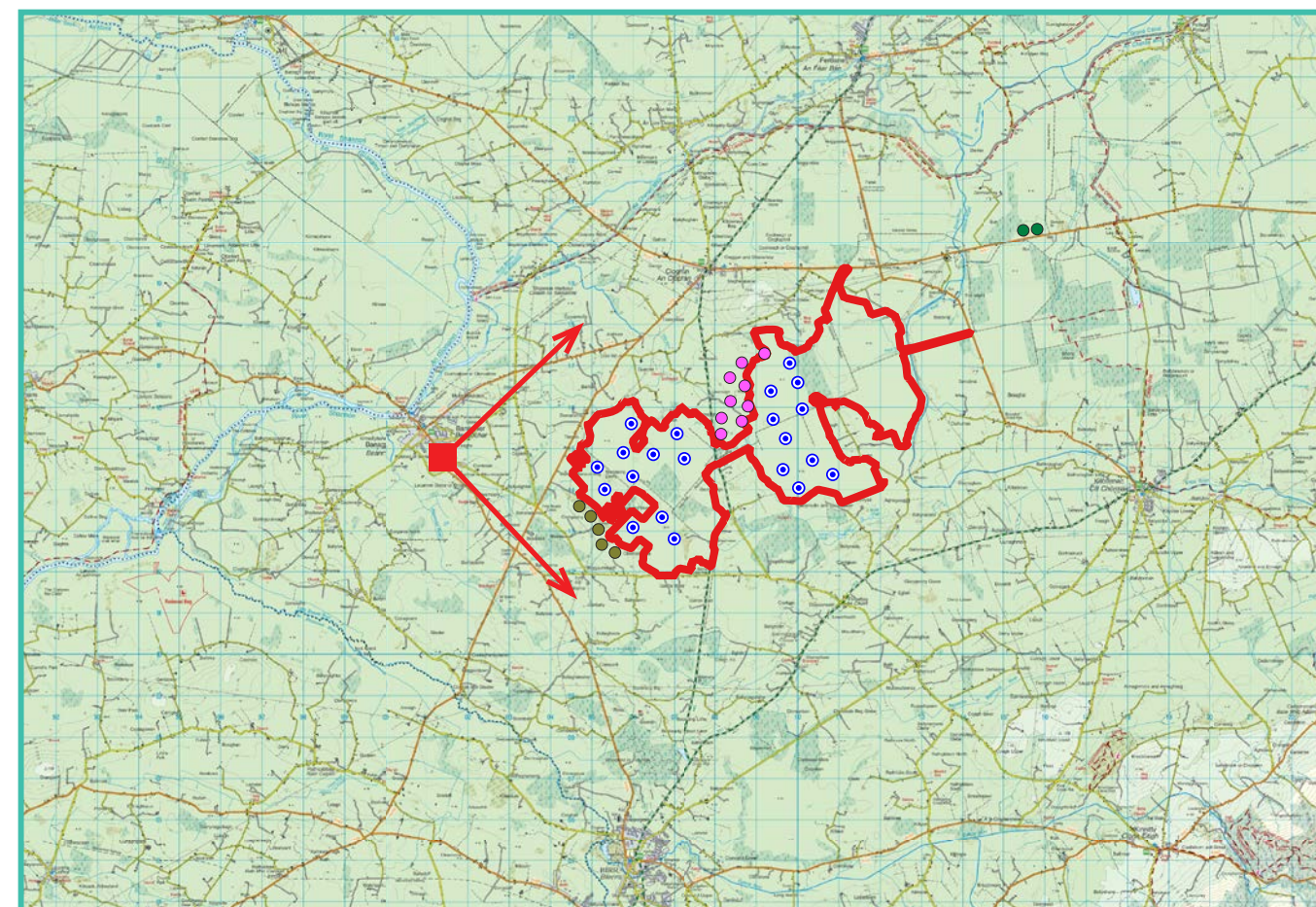
**Photomontage 13**

**View Point:** View from the junction of Birr Road, Cluain Rynagh and the L7016 local road adjacent to the Banagher church of Ireland in the townland of Feeghs in Banagher Town, approximately 3.75 km west of the nearest turbine.

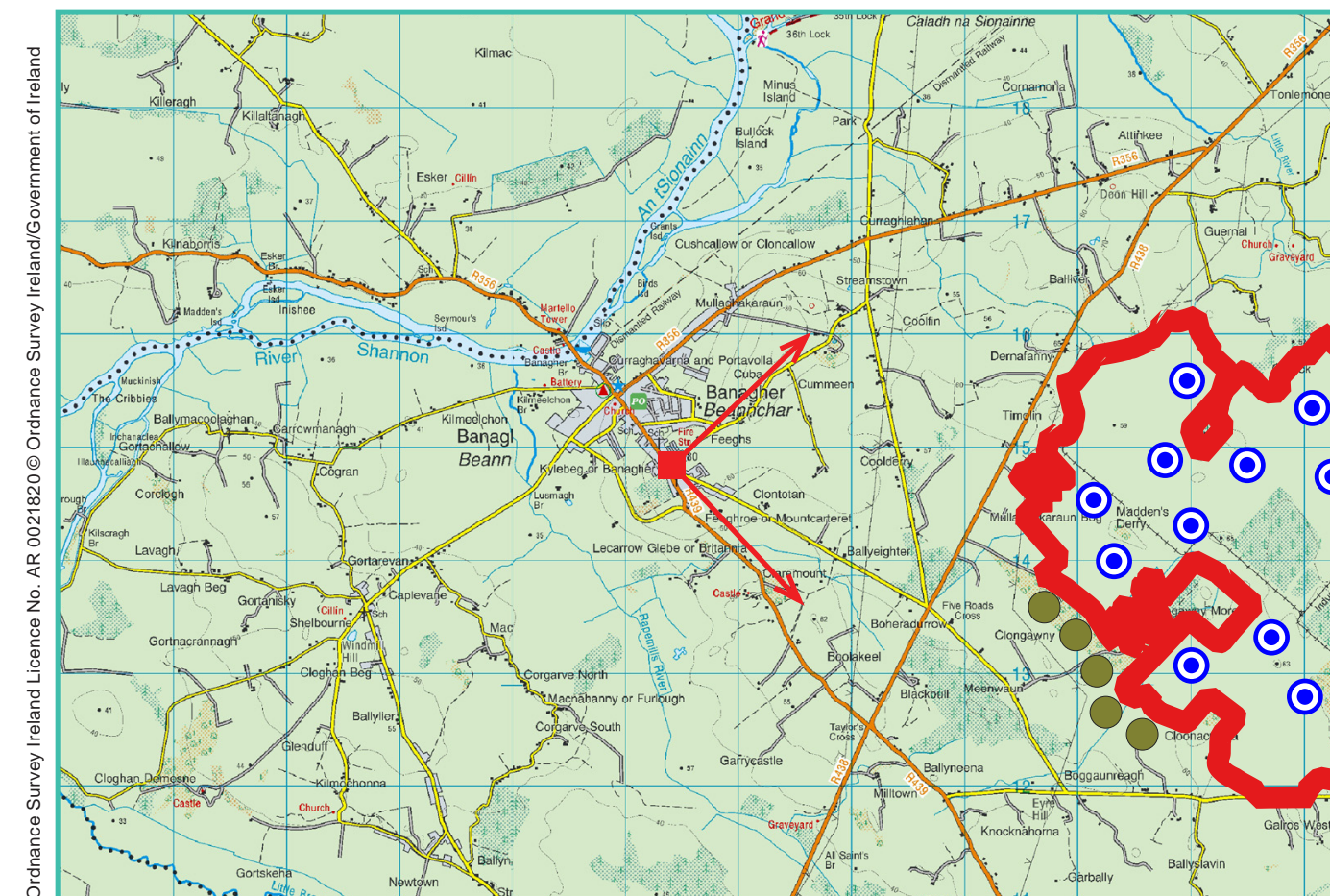
View point grid reference	201,396(E); 214,812(N)
Date of image taken	11.07.2019
Time of image taken	3:16pm
View point elevation	62m
Angle of Views	90° / 53.4°
View Direction (Image Centre)	92°
Horizontal extent of proposed turbines	36°
Distance to nearest proposed turbine	3.75km (T10)
Number of proposed turbines visible	3/21
Turbine Hub Height	110m
Turbine Tip Height	185m
Turbine Rotor Diameter	150m
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 (core boundary outlined in red).



Detail of view point location.

**Map Legend**

- Area shown in 90-degree view
- View point
- EIAR Site Boundary
- Proposed Derrinlough Wind Farm
- Permitted Cloghan Wind Farm
- Existing Meenwau Wind Farm
- Existing Leabag Wind Farm
- Existing Carrig Wind Farm
- Existing Skehanagh Wind Farm

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Website: www.mkoireland.ie



**90 - Degree View Extent**

Key image at 120 degrees



**53.5-Degree View Extent**





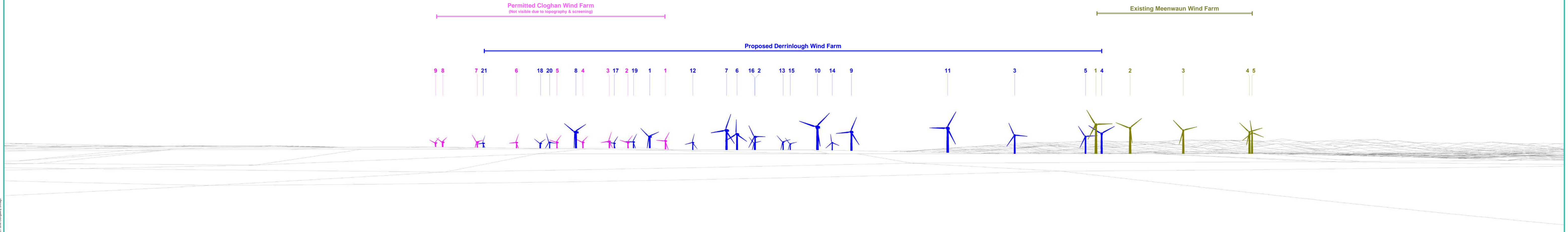
Matching wireframe







Matching wireframe





Proposed Photomontage at 53.5 degrees with Cumulative



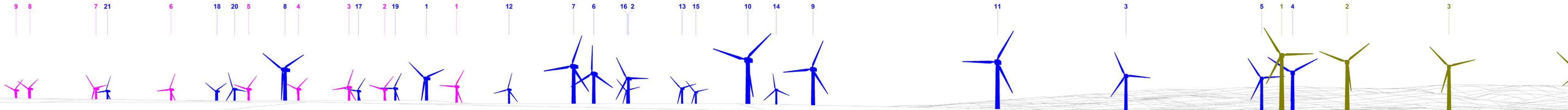


Matching wireframe

Permitted Cloghan Wind Farm  
(Not visible due to topography & screening)

Proposed Derrinlough Wind Farm

Existing Meenwaun Wind Farm





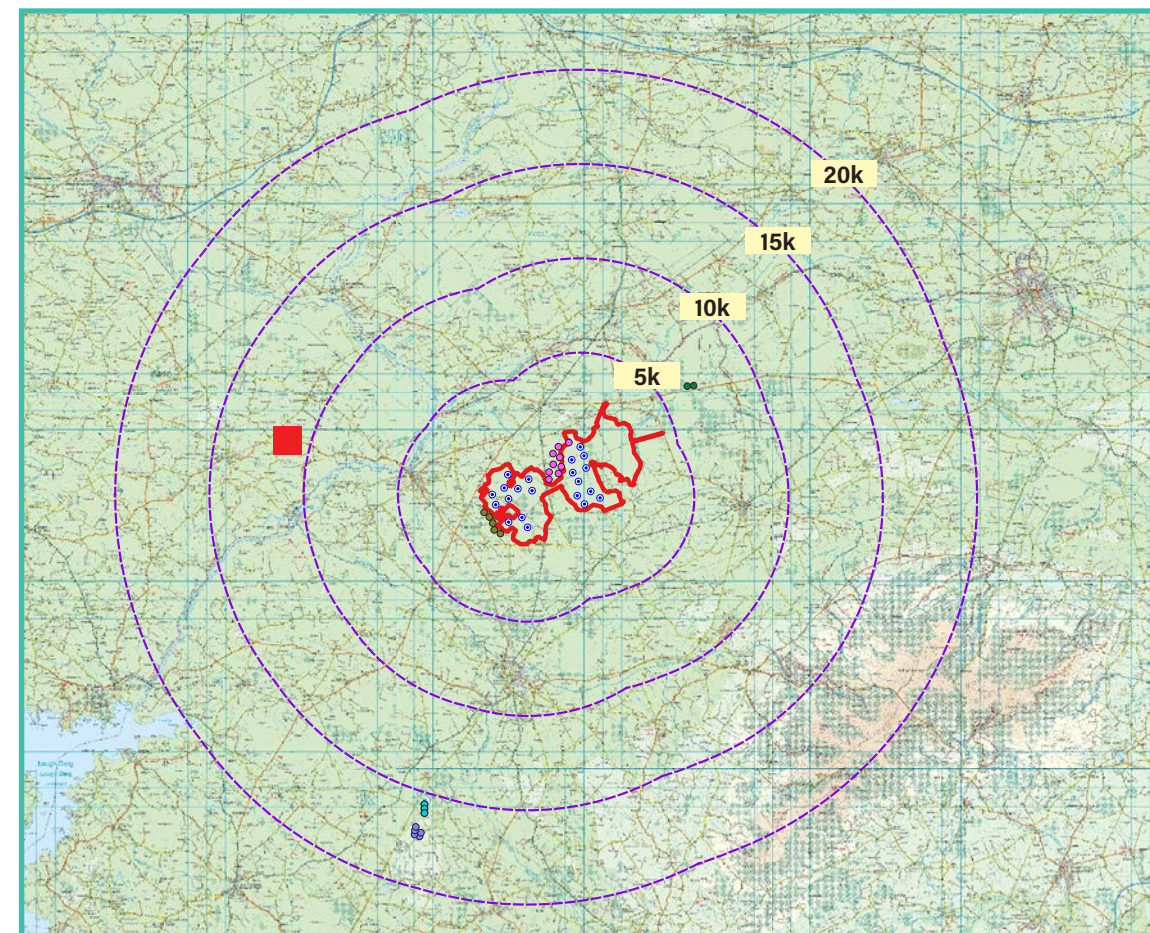




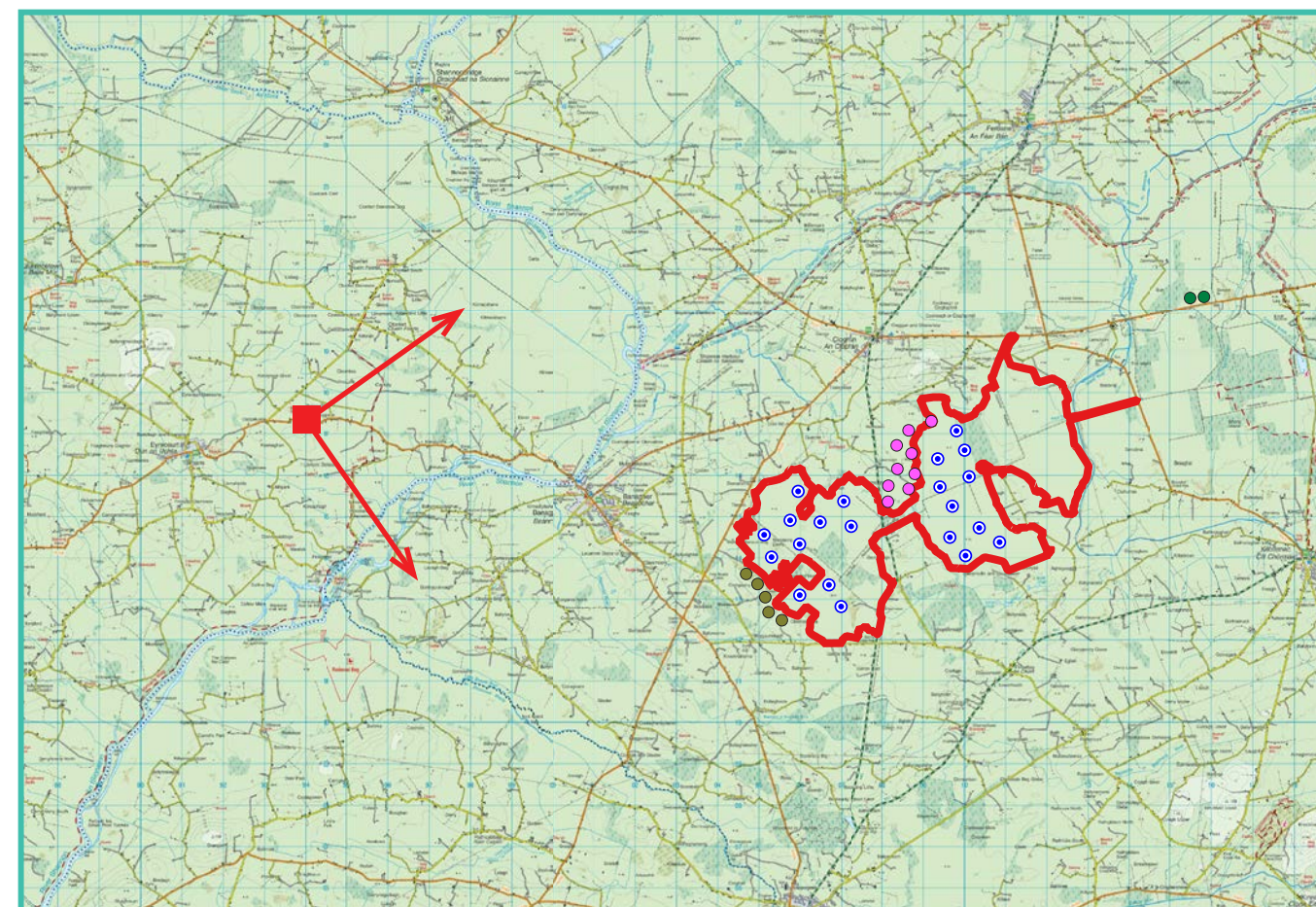
## Photomontage 14

**View Point:** View from the R356 regional road in the townland of Gortaloughane, approximately 11.4 km west of the nearest turbine.

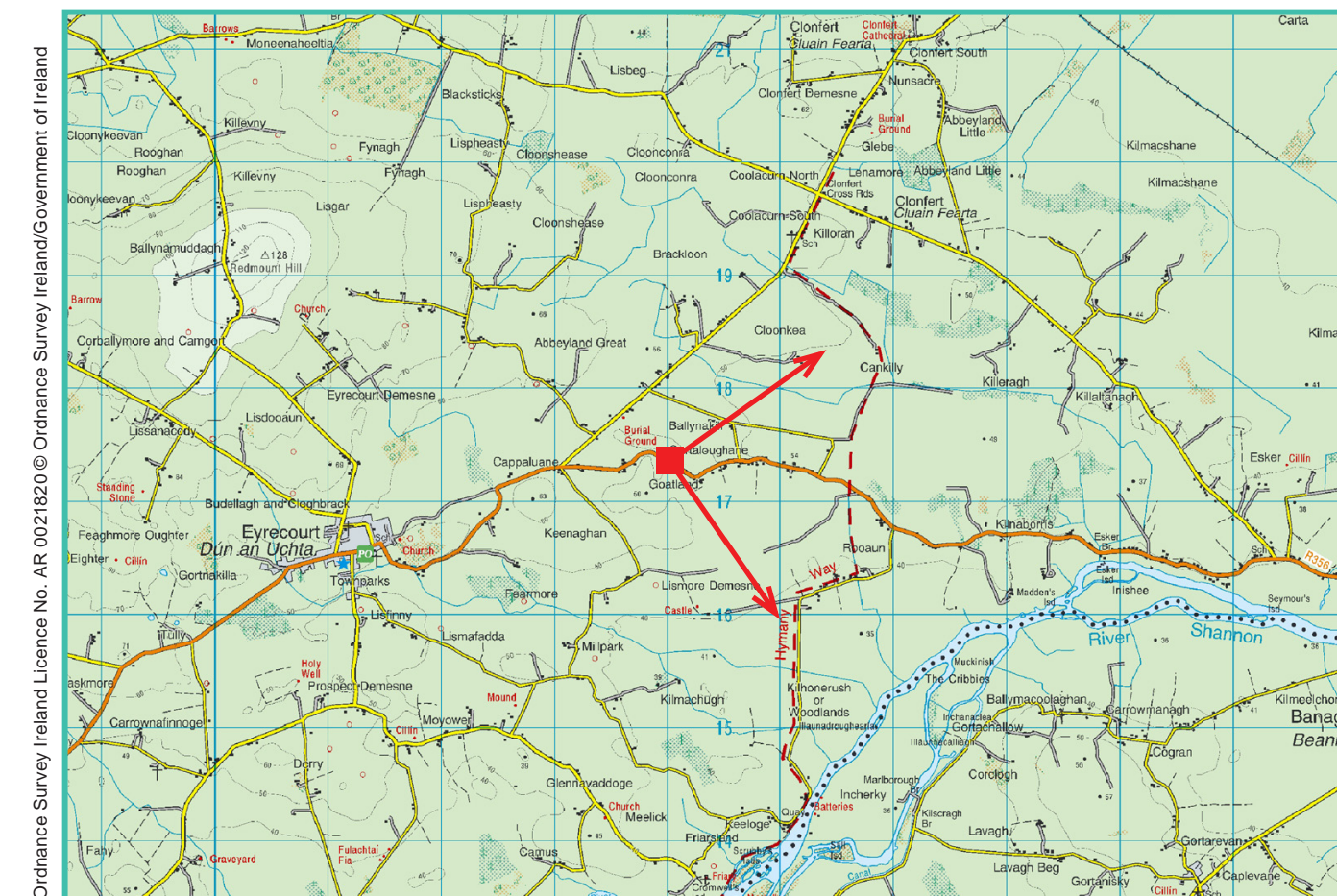
View point grid reference	194,058(E); 217,315(N)
Date of image taken	11.07.2019
Time of image taken	3:59pm
View point elevation	50m
Angle of Views	90° / 53.4°
View Direction (Image Centre)	100°
Horizontal extent of proposed turbines	19°
Distance to nearest proposed turbine	11.4km (T10)
Number of proposed turbines visible	19/21
Turbine Hub Height	110m
Turbine Tip Height	185m
Turbine Rotor Diameter	150m
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 (core boundary outlined in red).



Detail of view point location.

### Map Legend

Area shown in 90-degree view

View point

EIAR Site Boundary

- Proposed Derrinlough Wind Farm
- Permitted Cloghan Wind Farm
- Existing Meenwaun Wind Farm
- Existing Leabag Wind Farm
- Existing Carrig Wind Farm
- Existing Skehanagh Wind Farm

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### 90 - Degree View Extent

Key image at 120 degrees



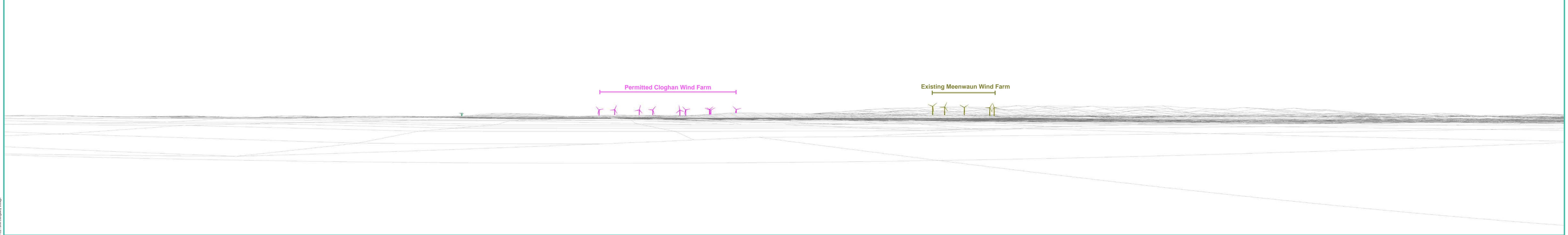
### 53.5-Degree View Extent



Do nothing scenario at 90 degrees



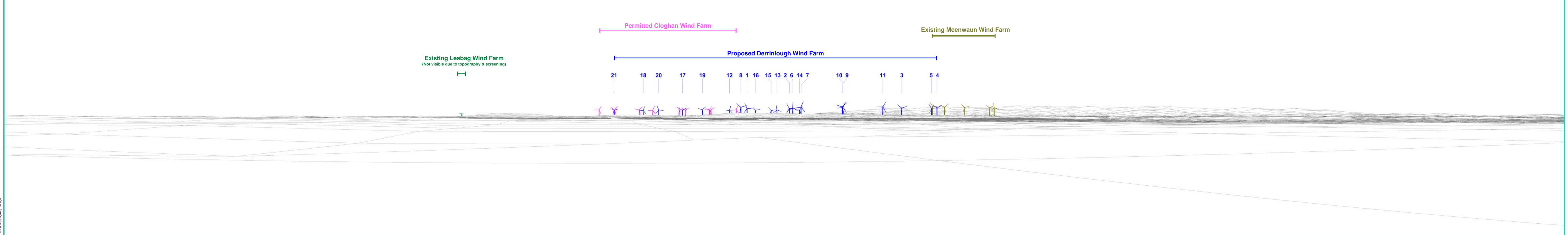
Matching wireframe







Matching wireframe



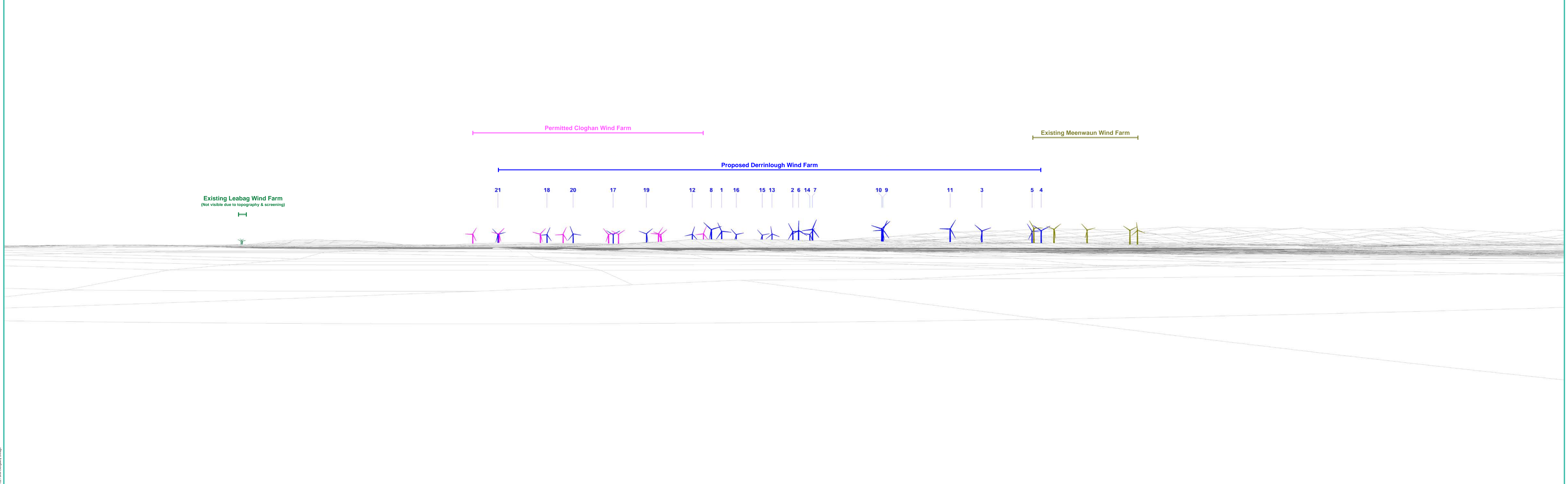


Proposed Photomontage at 53.5 degrees with Cumulative





Matching wireframe





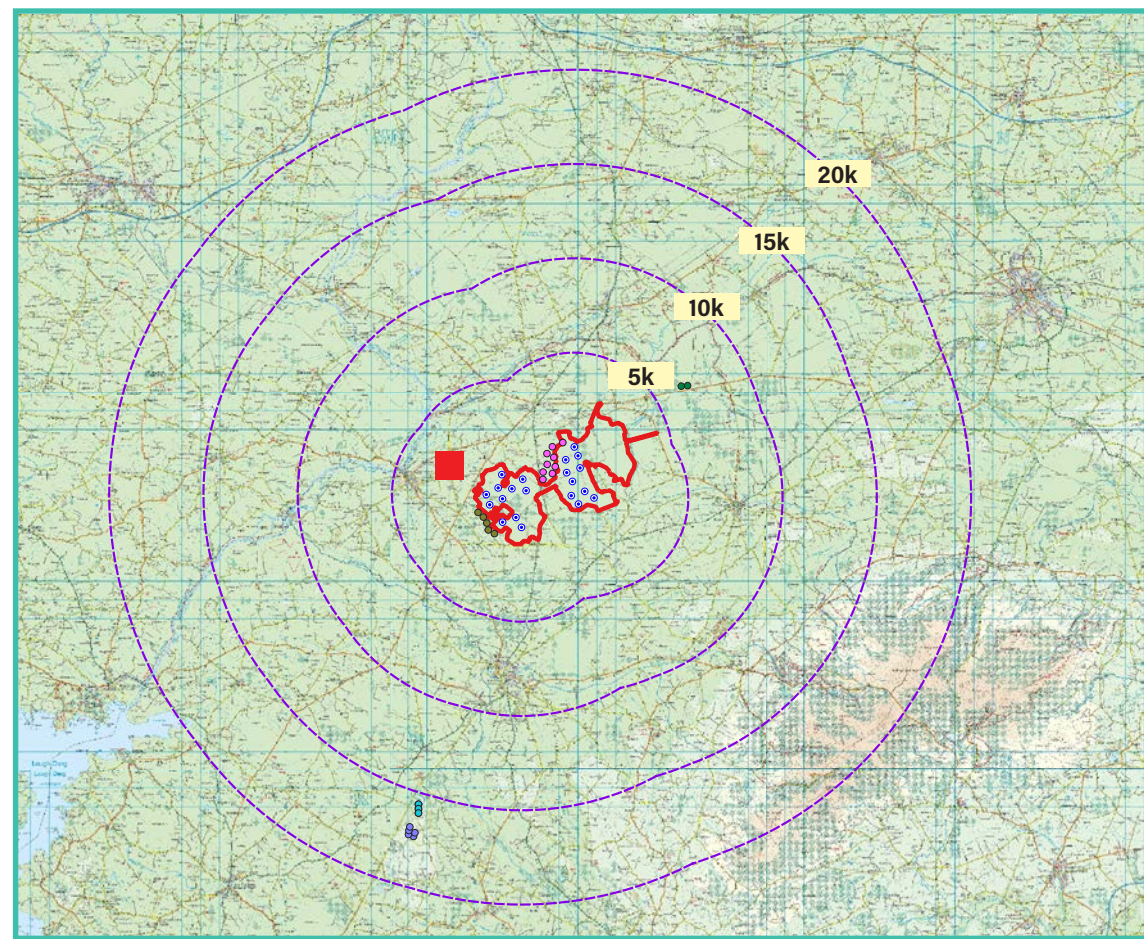




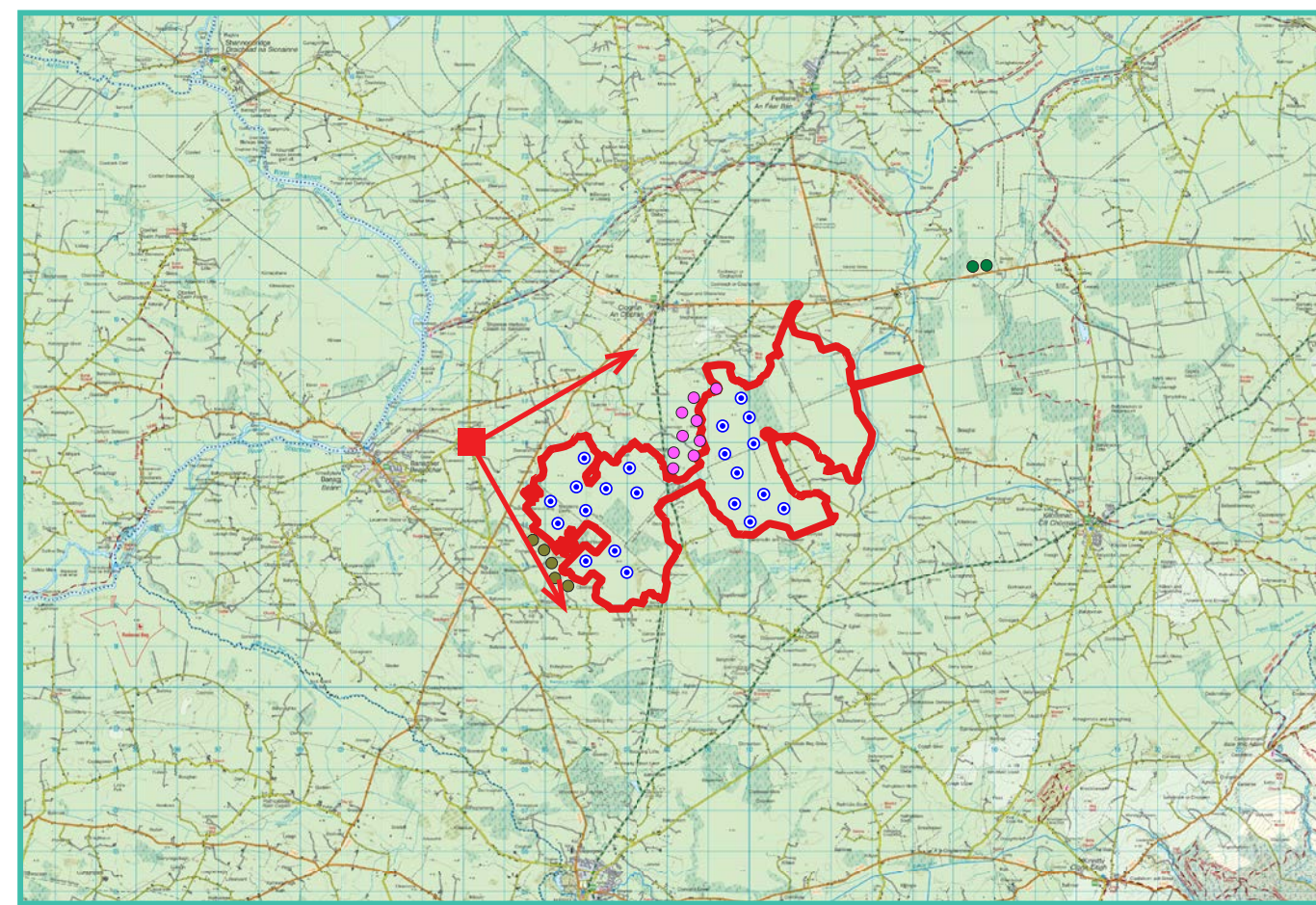
### Photomontage 15

**View Point:** View from the L3010 local road in the townland of Coolfin, approximately 2.4 km north-west of the nearest turbine.

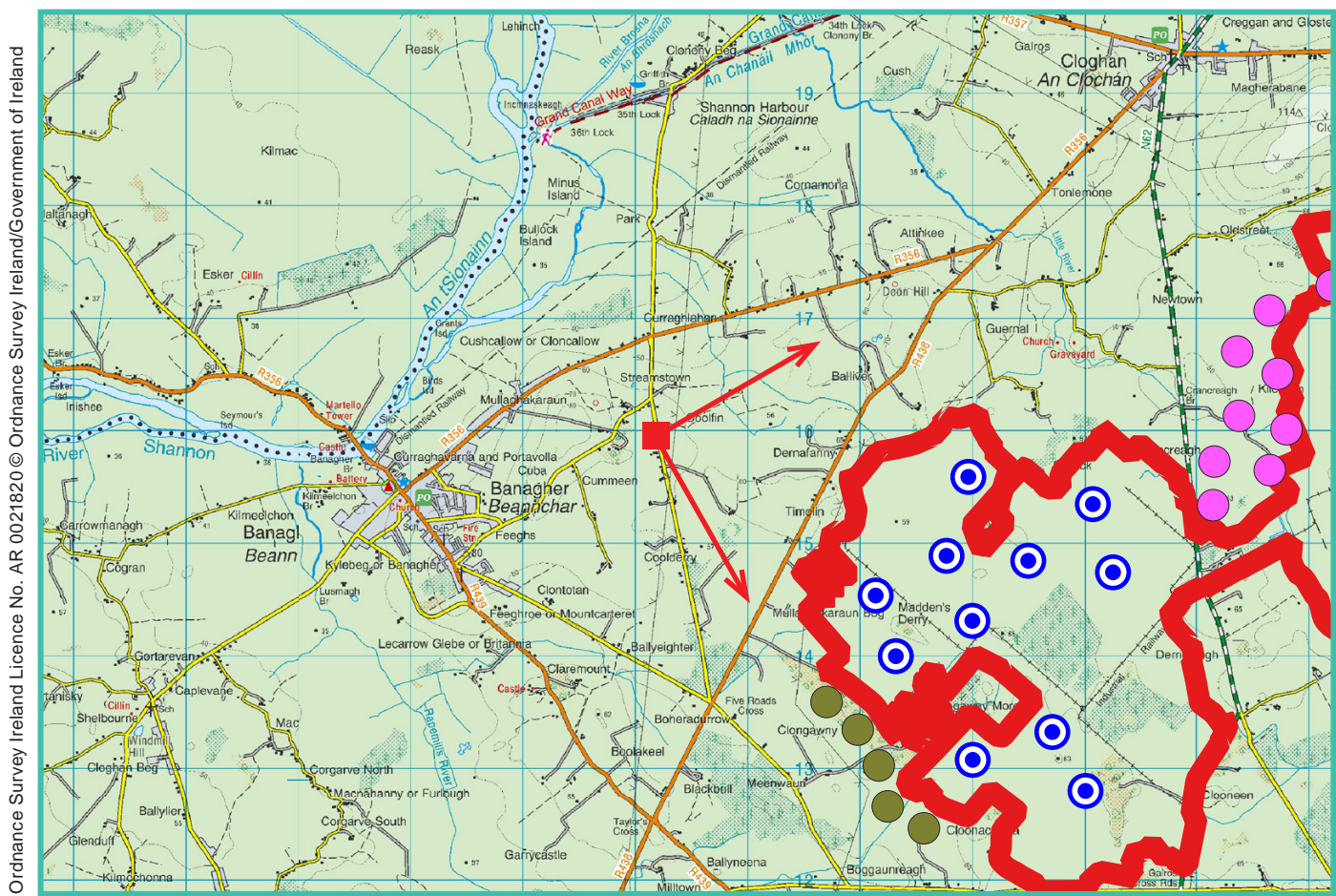
View point grid reference	203,202(E); 215,944(N)
Date of image taken	23.08.2018
Time of image taken	12:19pm
View point elevation	63m
Angle of Views	90° / 53.4°
View Direction (Image Centre)	104°
Horizontal extent of proposed turbines	55°
Distance to nearest proposed turbine	2.4km (T18)
Number of proposed turbines visible	20/21
Turbine Hub Height	110m
Turbine Tip Height	185m
Turbine Rotor Diameter	150m
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 (core boundary outlined in red).



Detail of view point location.

**Map Legend**

- Area shown in 90-degree view
- View point
- EIAR Site Boundary
- Proposed Derrinlough Wind Farm
- Permitted Cloghan Wind Farm
- Existing Meenwaun Wind Farm
- Existing Leabag Wind Farm
- Existing Carrig Wind Farm
- Existing Skehanagh Wind Farm

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90 - Degree View Extent

Key image at 120 degrees



53.5-Degree View Extent



Do nothing scenario at 90 degrees



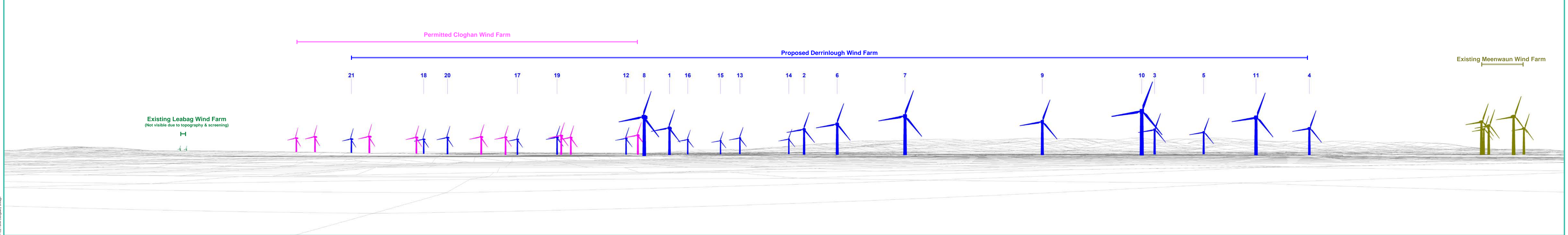
Matching wireframe







Matching wireframe





Proposed Photomontage at 53.5 degrees with Cumulative









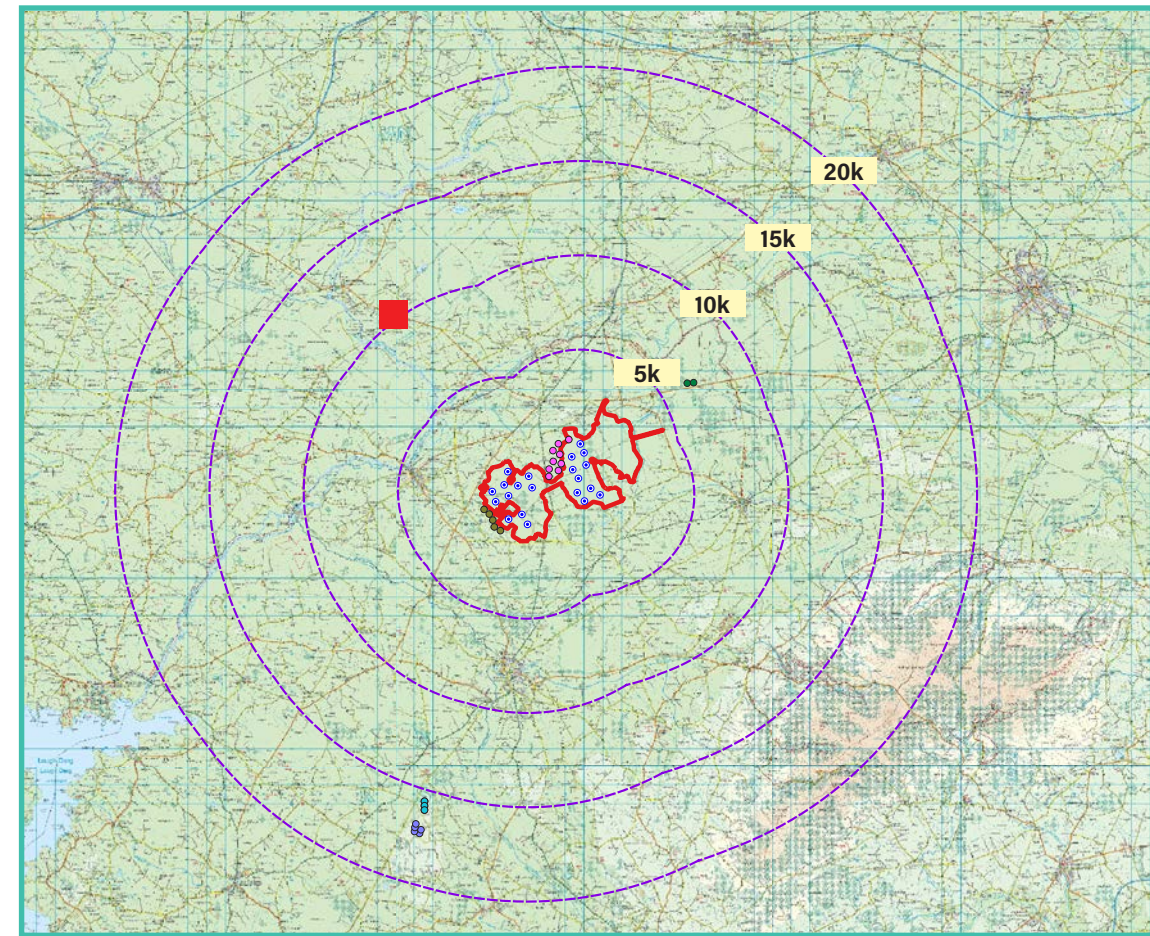




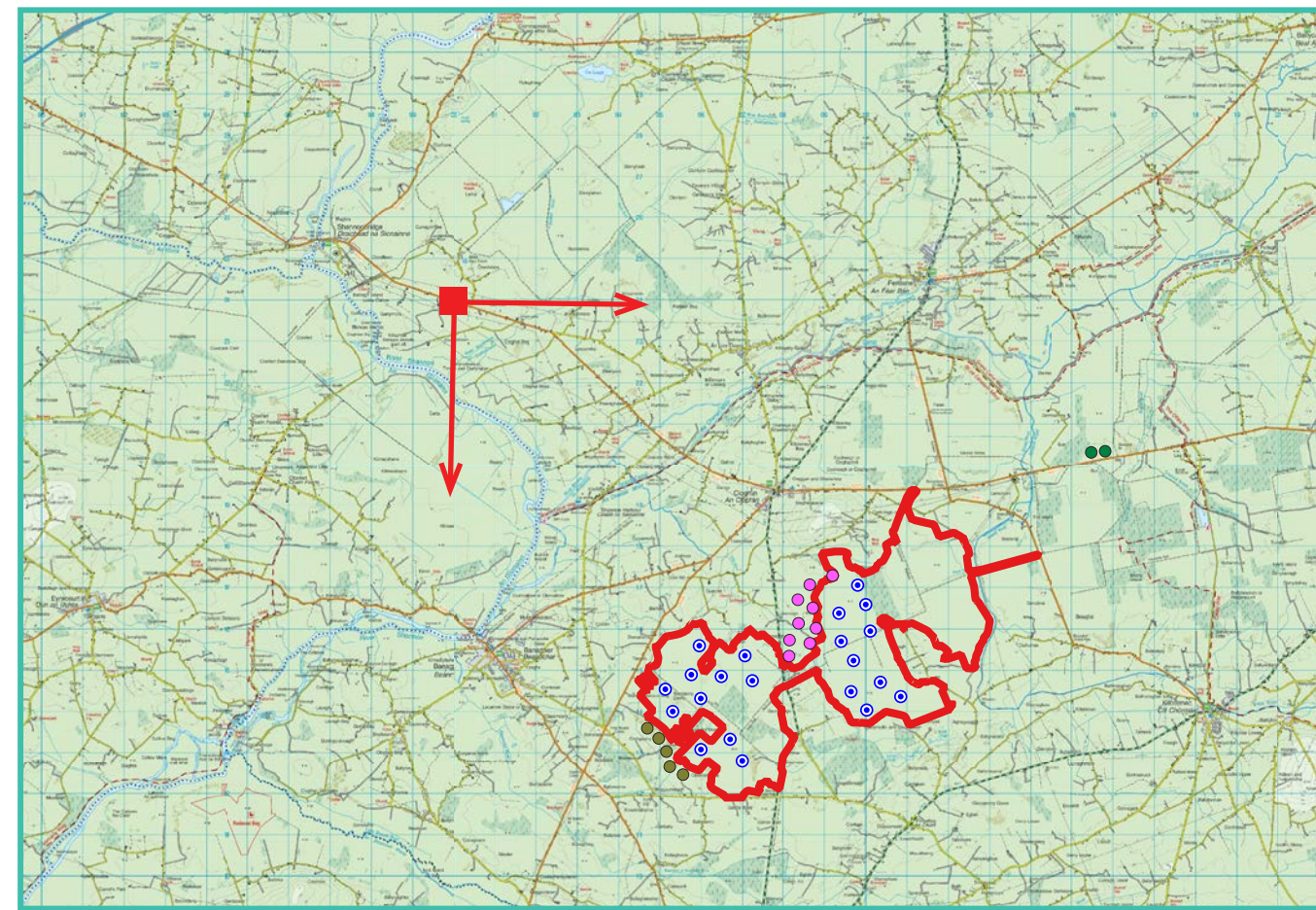
### Photomontage 16

**View Point:** View from the R357 regional road in the townland of Lecarrow, approximately 10.4 km north-west of the nearest turbine.

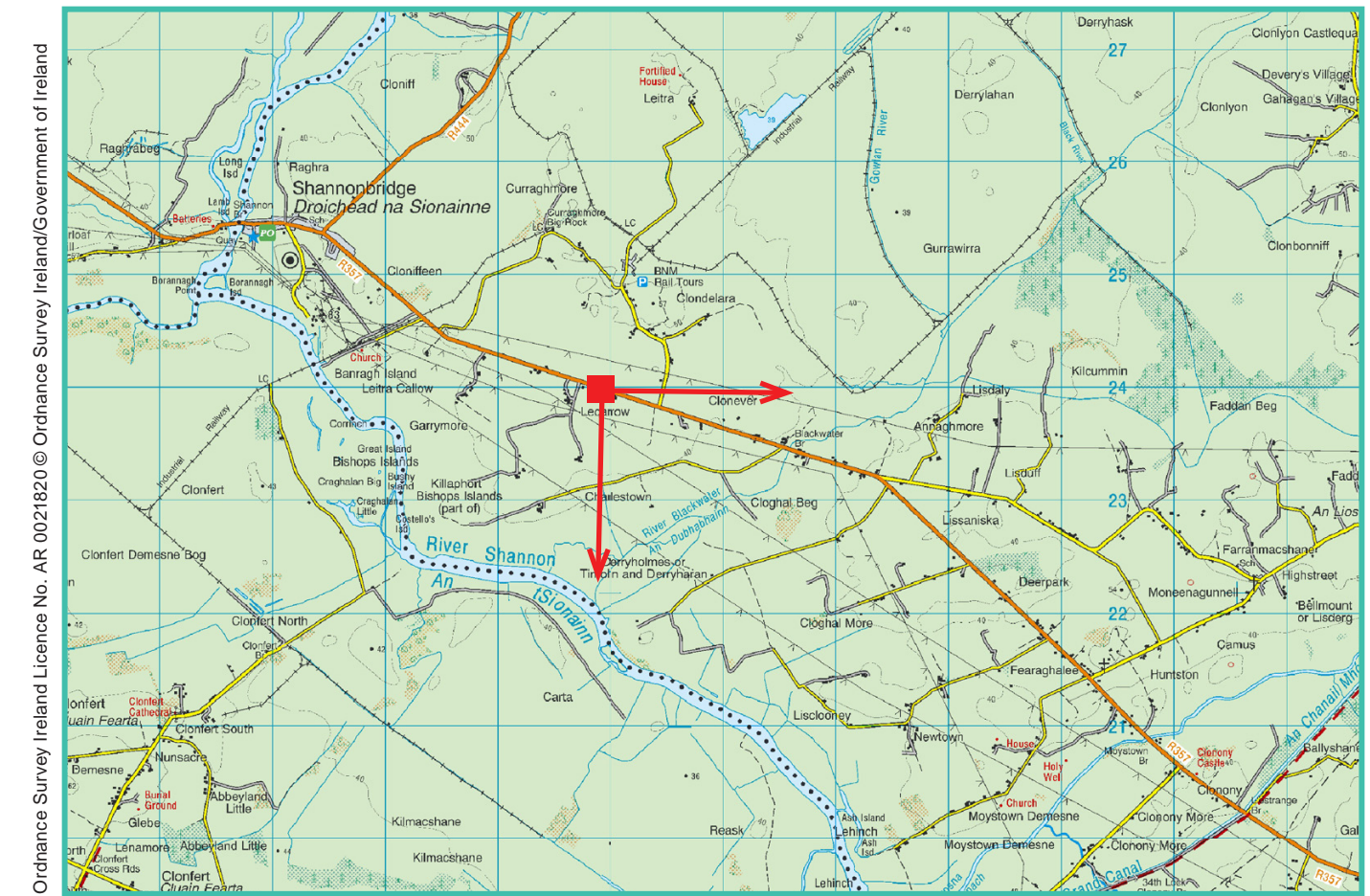
View point grid reference	199,848(E); 224,017(N)
Date of image taken	13.11.2018
Time of image taken	11:52am
View point elevation	46m
Angle of Views	90° / 53.4°
View Direction (Image Centre)	136°
Horizontal extent of proposed turbines	25°
Distance to nearest proposed turbine	10.4km (T8)
Number of proposed turbines visible	10/21
Turbine Hub Height	110m
Turbine Tip Height	185m
Turbine Rotor Diameter	150m
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 (core boundary outlined in red).



Detail of view point location.

#### Map Legend

Area shown in 90-degree view

View point

EIAR Site Boundary

- Proposed Derrinlough Wind Farm
- Permitted Cloghan Wind Farm
- Existing Meenawun Wind Farm
- Existing Leabag Wind Farm
- Existing Carrig Wind Farm
- Existing Skehanagh Wind Farm

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#### 90 - Degree View Extent

Key image at 120 degrees

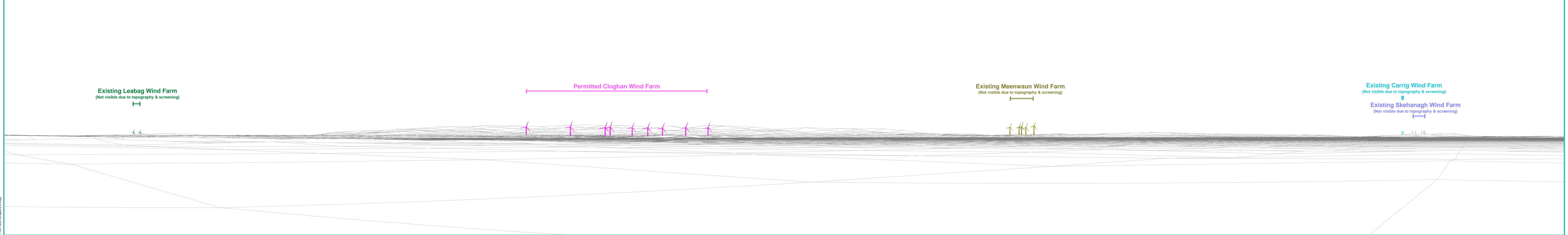


#### 53.5-Degree View Extent





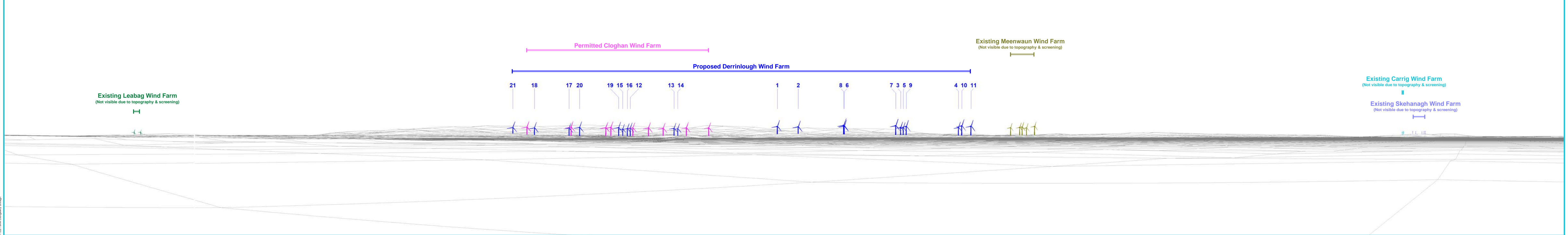
Matching wireframe







Matching wireframe





Proposed Photomontage at 53.5 degrees with Cumulative





