

Zone of Theoretical Visibility (ZTV) Map indicating areas with a theoretical view of the proposed Drumnahough turbines

Calculated to Hub Height (95m)

Proposed Drumnahough Turbines



Number of Turbines Visible

- 1 - 3
- 4 - 6
- 7 - 9
- 10 - 12

Photomontage Locations



Drumnahough 30km Extent



**FINAL**

Date: 1st April 2020

Scale when printed at A1 Size = 1:110,000  
1 centimeter = 1,100 meters

Notes:

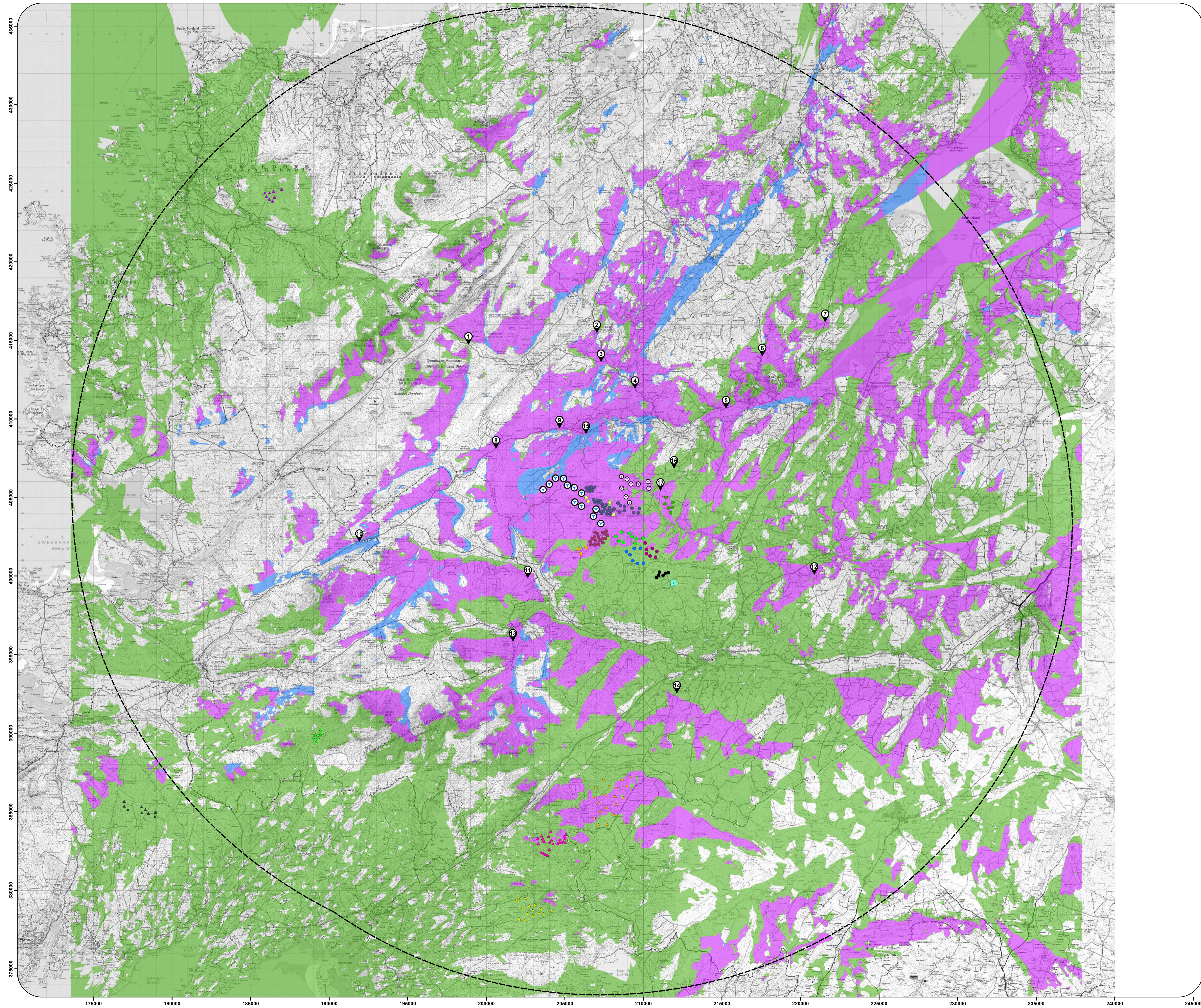
- Theoretical visibility is based on an observer being able to see at least a full turbine blade.
- Theoretical visibility is based on an observer eye level of 2m above ground level.
- Calculation does not account for screening due to vegetation, forestry, buildings or any other similar forms of screening.
- Calculation has been run using Ordnance Survey 10m DTM height data.
- Earth curvature and light refraction has been included in this calculation.





**Zone of Theoretical Visibility (ZTV) Map**  
 indicating areas with a theoretical view  
 of the proposed Drumnahough wind farm, in  
 combination with all other existing & permitted  
 wind farms within the study area

Calculated to Hub Height (Varying Heights)



**Proposed Drumnahough Turbines**



**Cumulative Wind Farms**

- Ballystang (Constructed)
- Cark (Constructed)
- Cark Extension (Constructed)
- Cullagh (Constructed)
- Lenalea (Permitted)
- Lurganboy (Constructed)
- Meenagrauv (Constructed)
- Meenahorna (Constructed)
- Meenalaban (Constructed)
- Meenanilla (Constructed)
- Meenbog 1 (Constructed)
- ▲ Anarget (Constructed)
- ▲ Barnesmore (Constructed)
- ▲ Cronalaght (Constructed)
- ▲ Meenadreen 1 (Constructed)
- ▲ Meenadreen 2 (Constructed)
- ▲ Meenbog 2 (Permitted)
- Meentycat (Constructed)

**Wind Turbines Visible**

- Drumnahough Turbines Only
- Overlap of Drumnahough turbines with all other cumulative turbines
- Cumulative Turbines Only

**Photomontage Locations**



**Drumnahough 30km Extent**



<b>FINAL</b>
Date: 14th May 2020
Scale when printed at A1 Size = 1:110,000
1 centimeter = 1,100 meters

- Notes:**
- Theoretical visibility is based on an observer being able to see at least a full turbine blade.
  - Theoretical visibility is based on an observer eye level of 2m above ground level.
  - Calculation does not account for screening due to vegetation, forestry, buildings or any other similar forms of screening.
  - Calculation has been run using Ordnance Survey 10m DTM height data.
  - Earth curvature and light refraction has been included in this calculation.





Zone of Theoretical Visibility (ZTV) Map indicating areas with a theoretical view of the proposed Drumnahough wind farm, that previously had no theoretical visibility of any other existing & permitted wind farm within the study area

Calculated to Hub Height (Varying Heights)

Proposed Drumnahough Turbines



Cumulative Wind Farms

- Ballystang (Constructed)
- Cark (Constructed)
- Cark Extension (Constructed)
- Cullagh (Constructed)
- Lenalea (Permitted)
- Lurganboy (Constructed)
- Meenagrauv (Constructed)
- Meenahorna (Constructed)
- Meenalaban (Constructed)
- Meenanilta (Constructed)
- Meenbog 1 (Constructed)
- ▲ Anarget (Constructed)
- ▲ Barnesmore (Constructed)
- ▲ Cronalaght (Constructed)
- ▲ Meenadreen 1 (Constructed)
- ▲ Meenadreen 2 (Constructed)
- ▲ Meenbog 2 (Permitted)
- Meentycat (Constructed)

Theoretical Turbine Visibility

Additional areas of theoretical visibility as a result of the proposed Drumnahough turbines



Photomontage Locations



Drumnahough 30km Extent



**FINAL**

Date: 14th May 2020

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1 centimeter = 1,100 meters

Notes:

- Theoretical visibility is based on an observer being able to see at least a full turbine blade.
- Theoretical visibility is based on an observer eye level of 2m above ground level.
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