Visuals prepared by

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LVIA Photomontage Booklet for a proposed wind farm at Drumnahough, Co. Donegal

Photography Captured in September/October 2019 & March 2020

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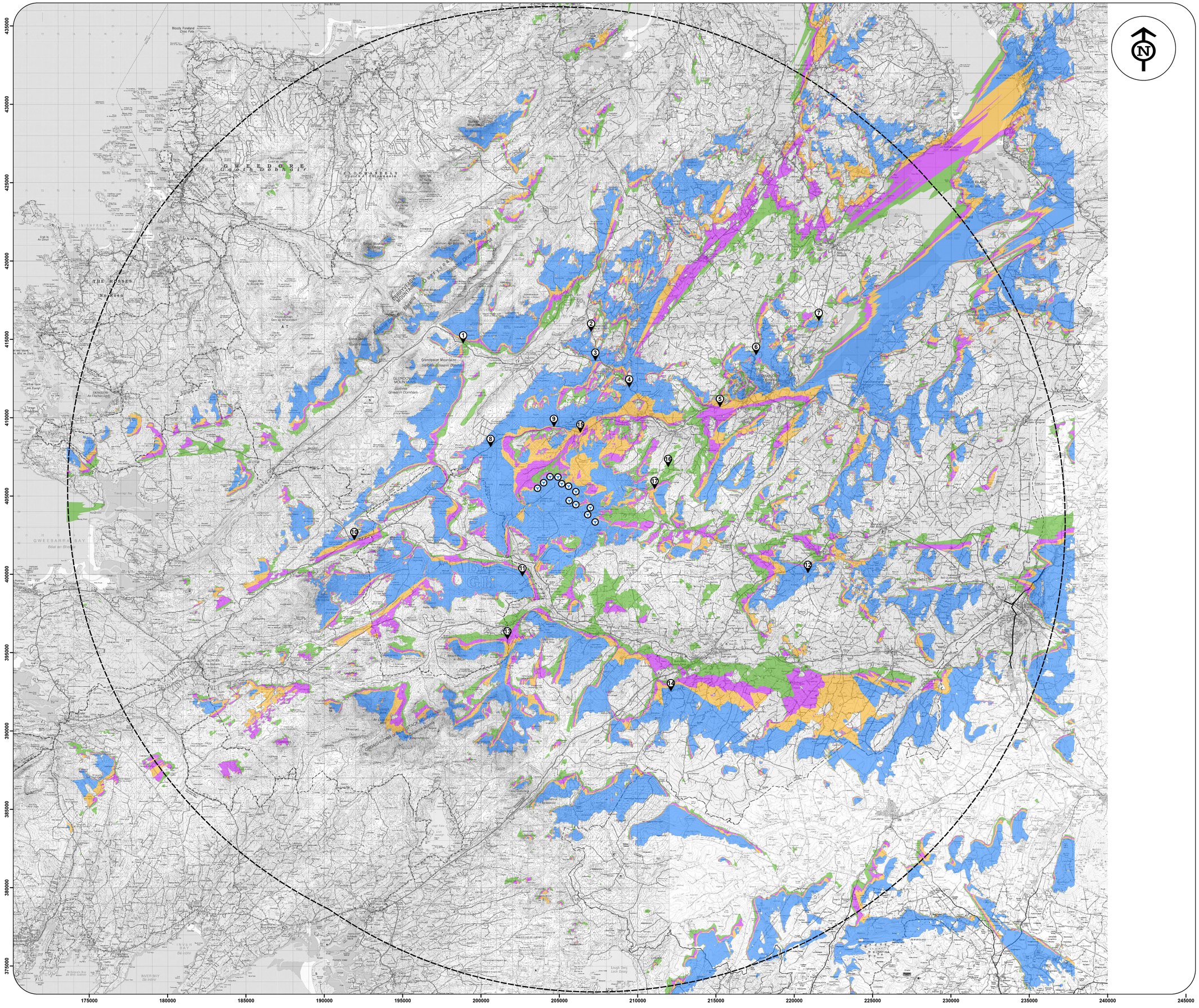

Zone of Theoretical Visibility (ZTV) Map indicating areas with a theoretical view of the proposed Drumnahough turbines

Calculated to Blade Tip Height (167.5m)

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 turbine blade tip.*
- *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.*

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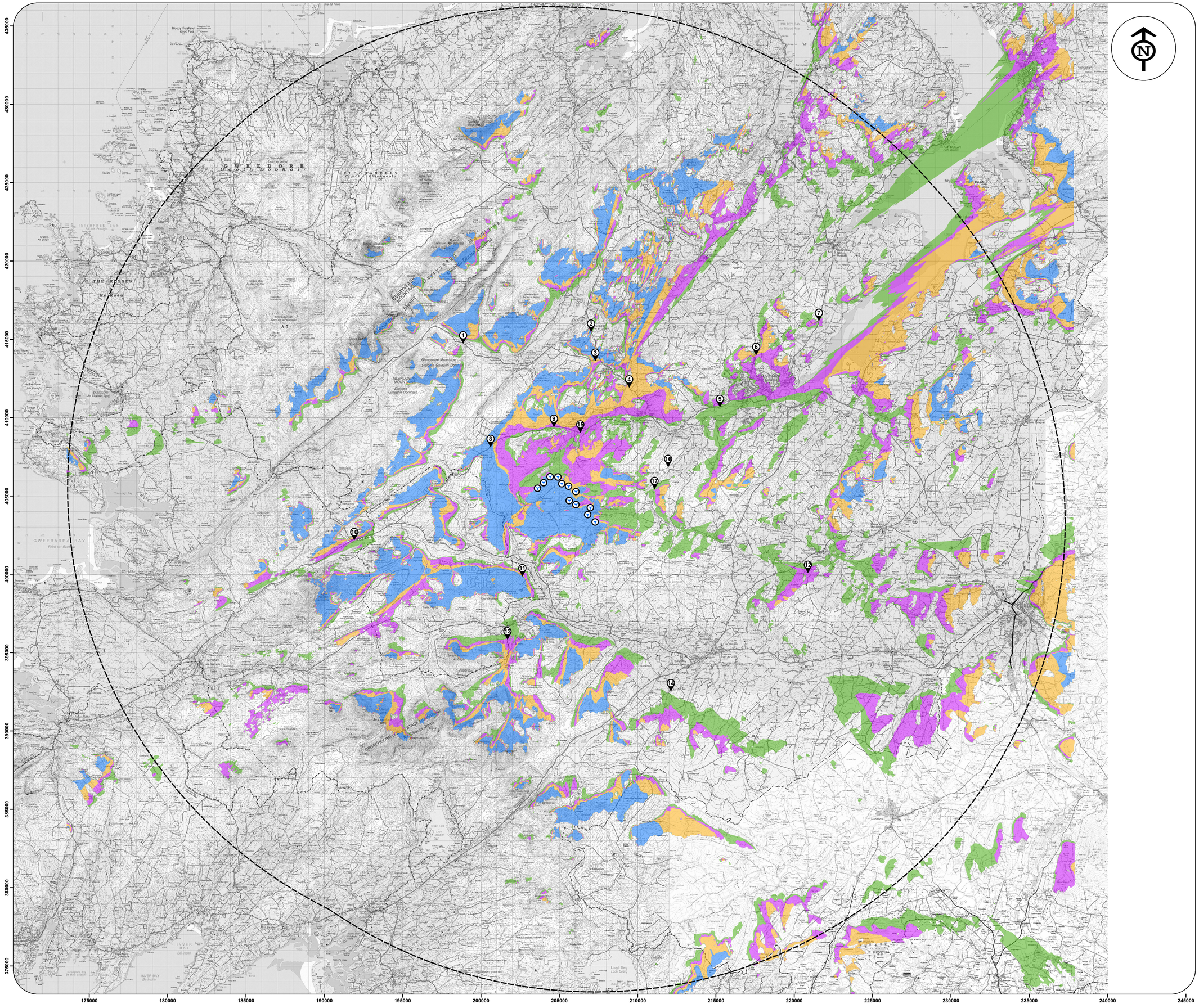

Zone of Theoretical Visibility (ZTV) Map indicating areas with a theoretical view of the proposed Drumnahough turbines

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.*

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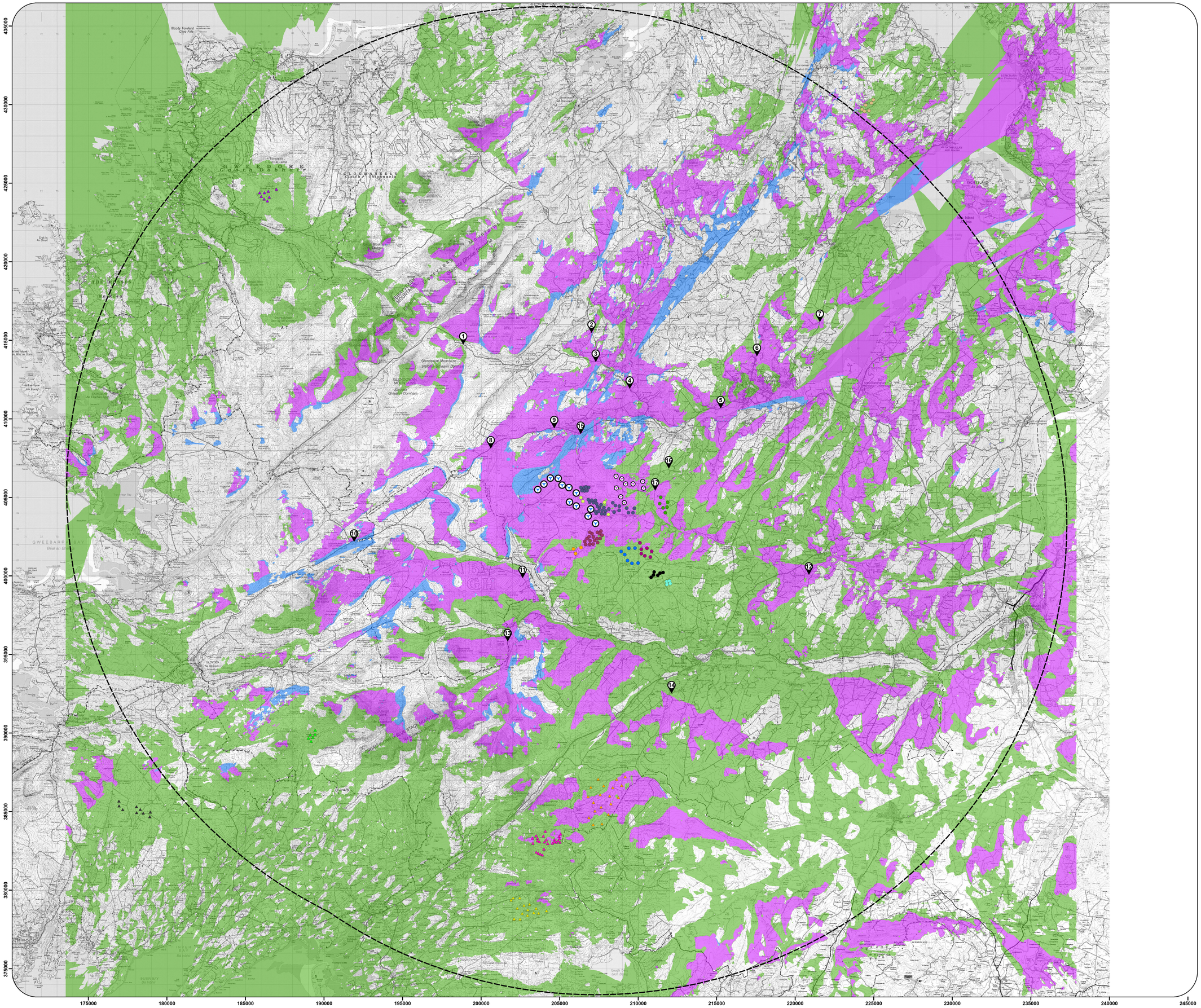

Zone of Theoretical Visibility (ZTV) Map indicating areas with a theoretical view of the proposed Drumnahough wind farm, in combination with all other existing & permitted wind farms within the study area

Calculated to Hub Height (Varying Heights)

Proposed Drumnahough Turbines

Cumulative Wind Farms

- *Ballystang (Constructed)*
- *Cark (Constructed)*
- *Cark Extension (Constructed)*
- *Culliagh (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)*

Wind Turbines Visible

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

Photomontage Locations

Drumnahough 30km Extent

FINAL
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.*

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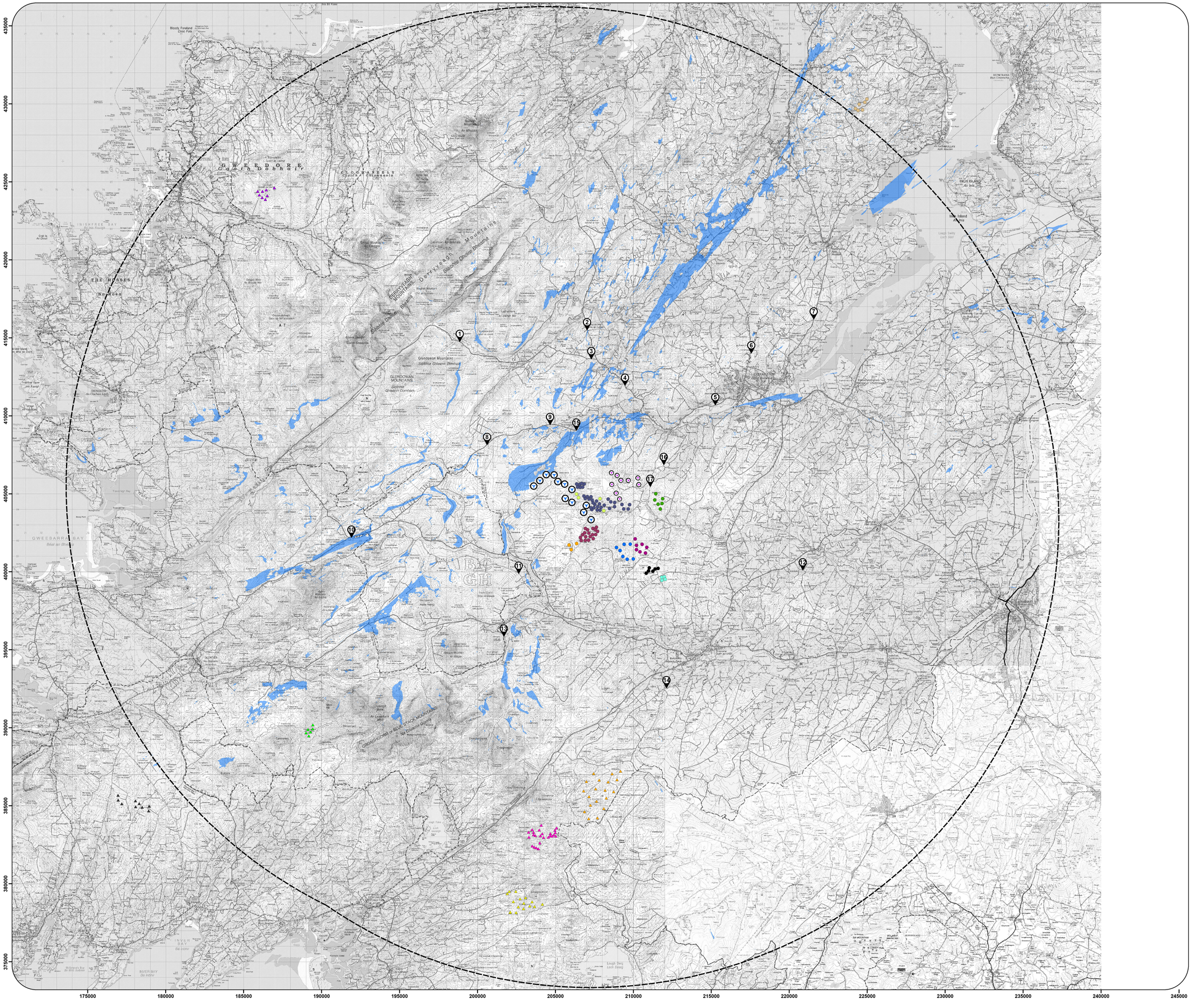

Zone of Theoretical Visibility (ZTV) Map indicating areas with a theoretical view of the proposed Drumnahough wind farm, that previously had no theoretical visibility of any other existing & permitted wind farm within the study area

Calculated to Hub Height (Varying Heights)

Proposed Drumnahough Turbines

Cumulative Wind Farms

- *Ballystang (Constructed)*
- *Cark (Constructed)*
- *Cark Extension (Constructed)*
- *Culliagh (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 o fthe propsed Drumnahough turbines

Photomontage Locations

Drumnahough 30km Extent

FINAL
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.*

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