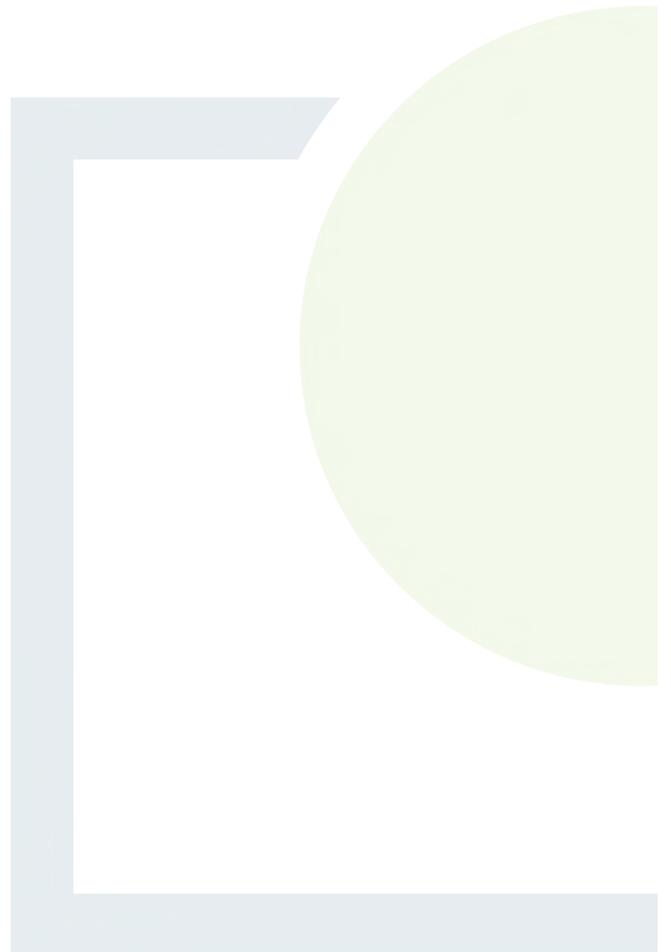




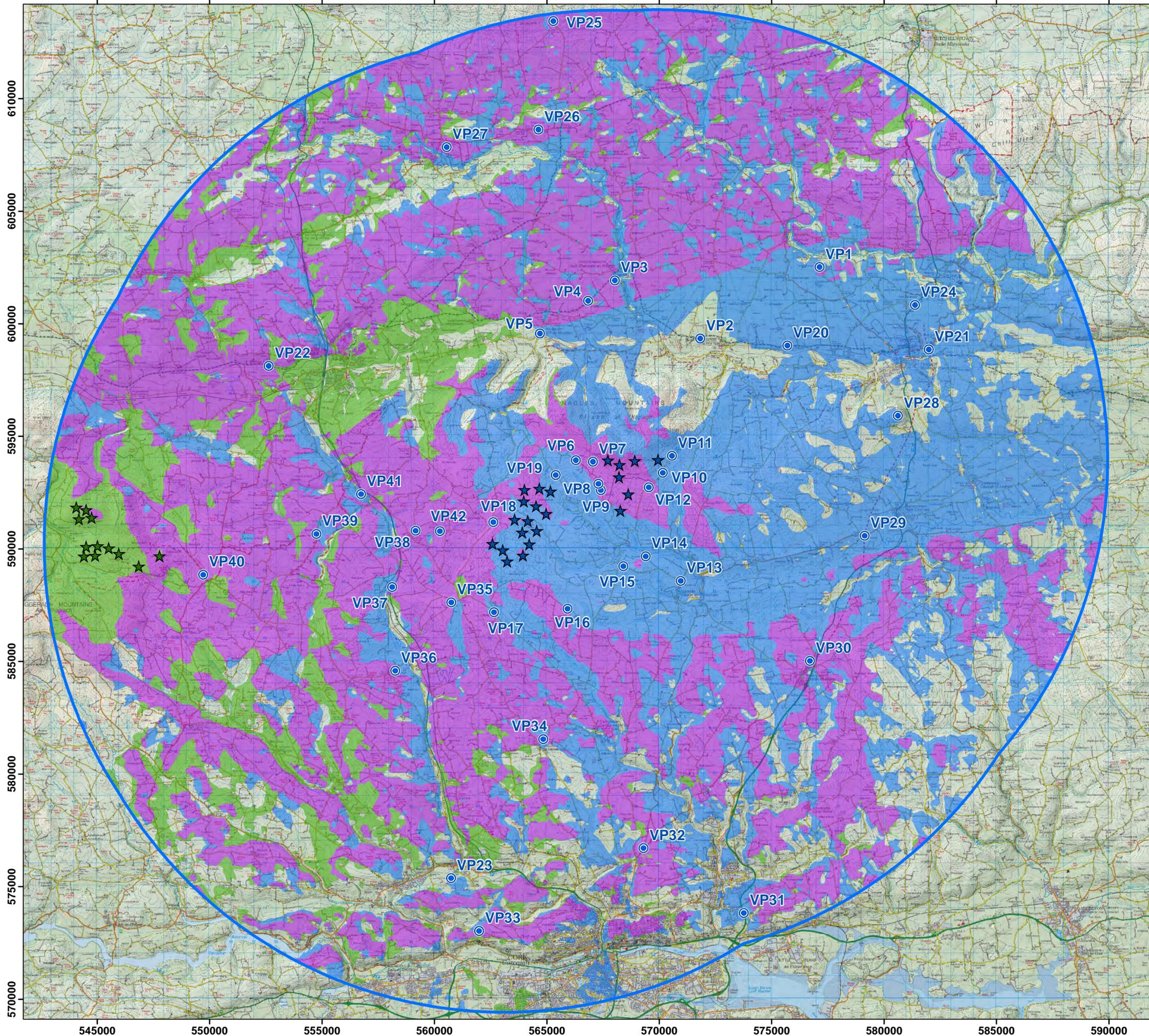
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APPENDIX 15.1

Large Scale Mapping



ZTV indicating the cumulative theoretical visibility of the proposed Coom Wind Farm in combination with the permitted Esk wind farm



Coom Proposed Turbines



Esk Permitted Turbines



Wind Farm Visibility

9.8% Visibility of Esk Wind Farm permitted turbines only

40.4% Visibility of Coom turbines as well as Esk Wind Farm permitted turbines

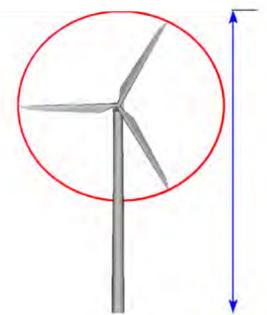
30.4% Visibility of Coom turbines only

19.4% of the entire study area to 20km will not have any view of the turbine blades of the proposed Coom or the permitted Esk Wind Farms

Photomontage Viewpoints



20km Extent



This ZTV map has been calculated such that a turbines as been theoretically visible to observers in the surrounding landscape once there is an unobstructed line of sight to its blade tips.

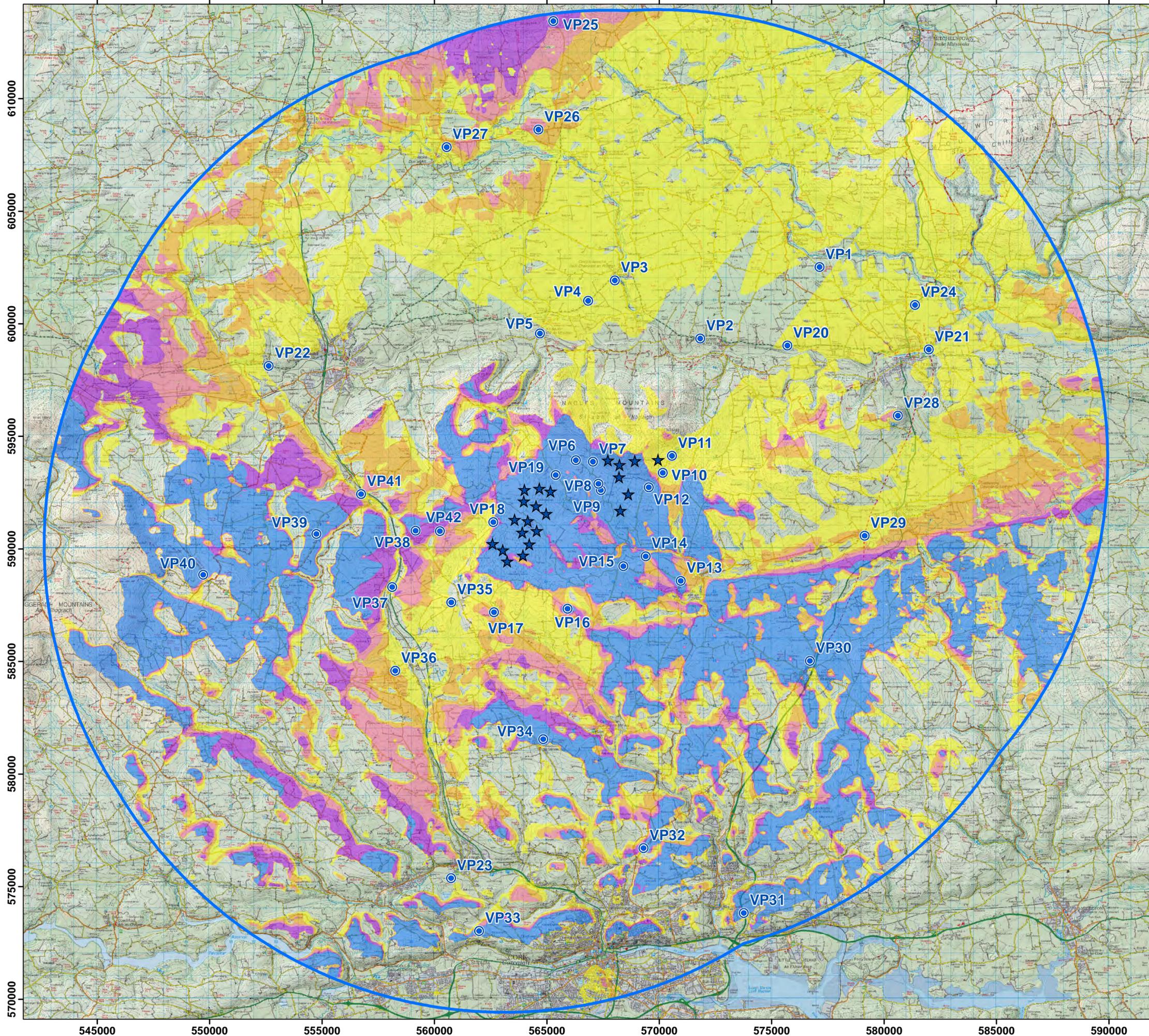
Observer Height assumed: 1.7m to eye-level height
Blade Tip Height: Coom 169m
Esk 136.5m

Note: This ZTV map is calculated for landform screening only and does not take account of the significant screening effects of vegetation (hedgerows, trees) and buildings inherent across the study area.

Scale: 1 : 115,000 if printed @ A2 size



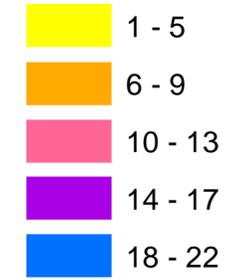
ZTV (Zone of Theoretical Visibility) indicating the areas that have a potential view of Coom Wind Farm turbines at 100m Hub Height



Proposed Turbines



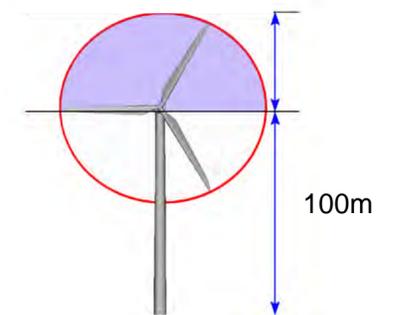
No. Turbines Visible



Photomontage Viewpoints



20km Extent



This ZTV map has been calculated such that a turbines as been theoretically visible to observers in the surrounding landscape once there is an unobstructed line of sight to its nacelles.

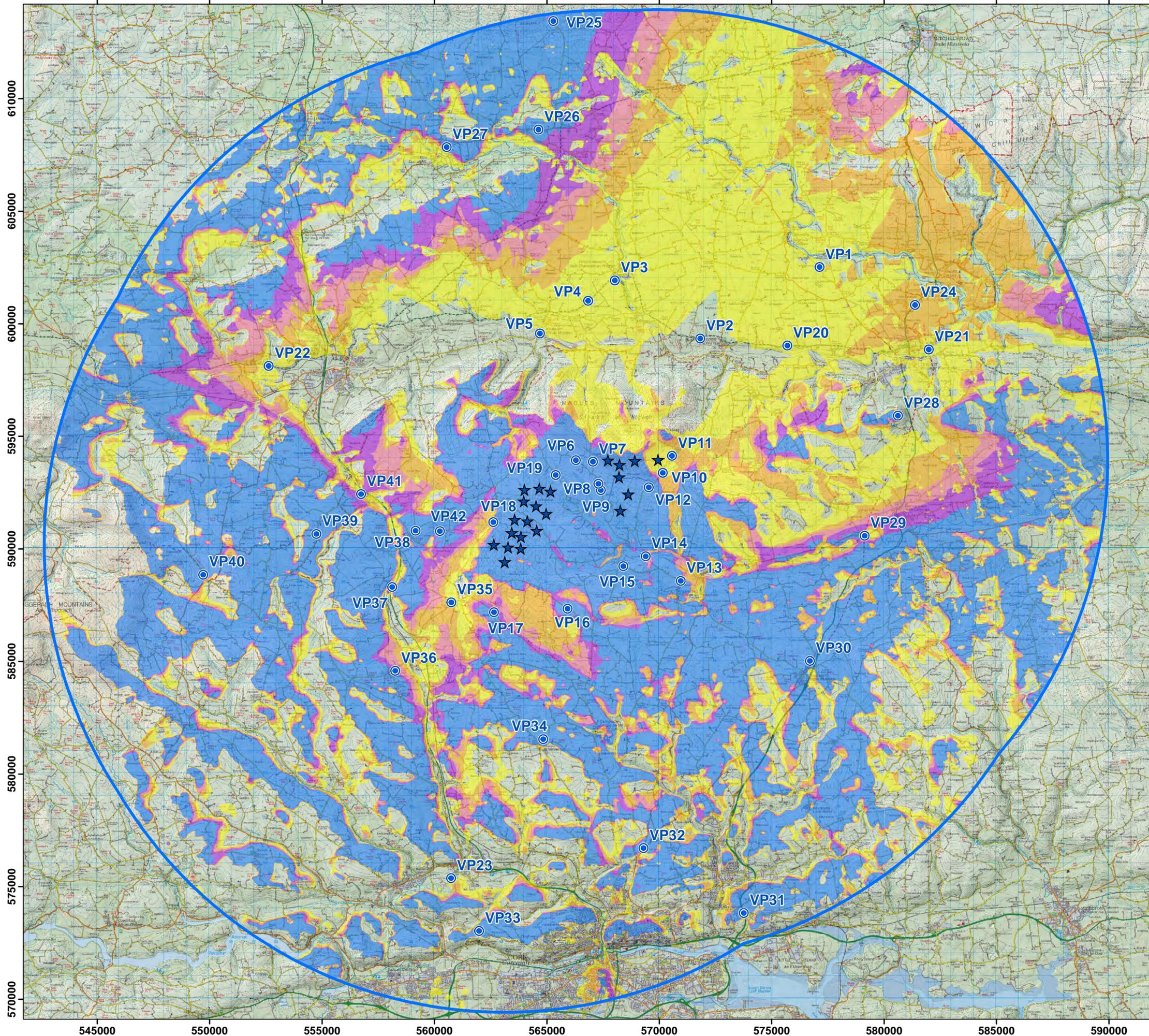
Observer Height assumed: 1.7m to eye-level height
Hub Height: 100m

Note: This ZTV map is calculated for landform screening only and does not take account of the significant screening effects of vegetation (hedgerows, trees) and buildings inherent across the study area.

Scale: 1 : 115,000 if printed @ A2 size



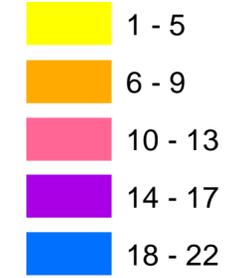
ZTV (Zone of Theoretical Visibility) indicating the areas that have a potential view of Coom Wind Farm turbines at 169m Tip Height



Proposed Turbines



No. Turbines Visible



Photomontage Viewpoints



20km Extent



This ZTV map has been calculated such that a turbines as been theoretically visible to observers in the surrounding landscape once there is an unobstructed line of sight to its blade tips.

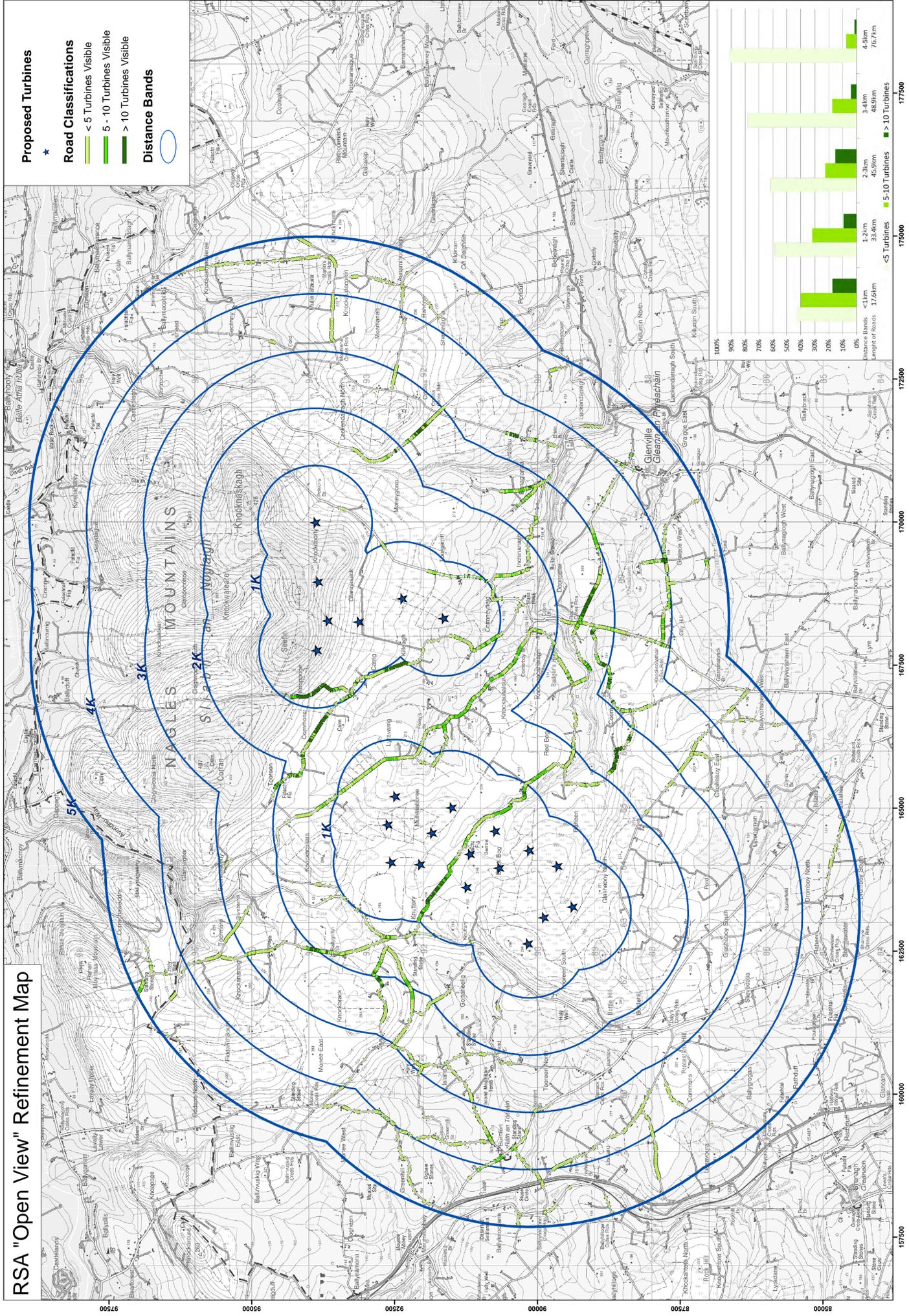
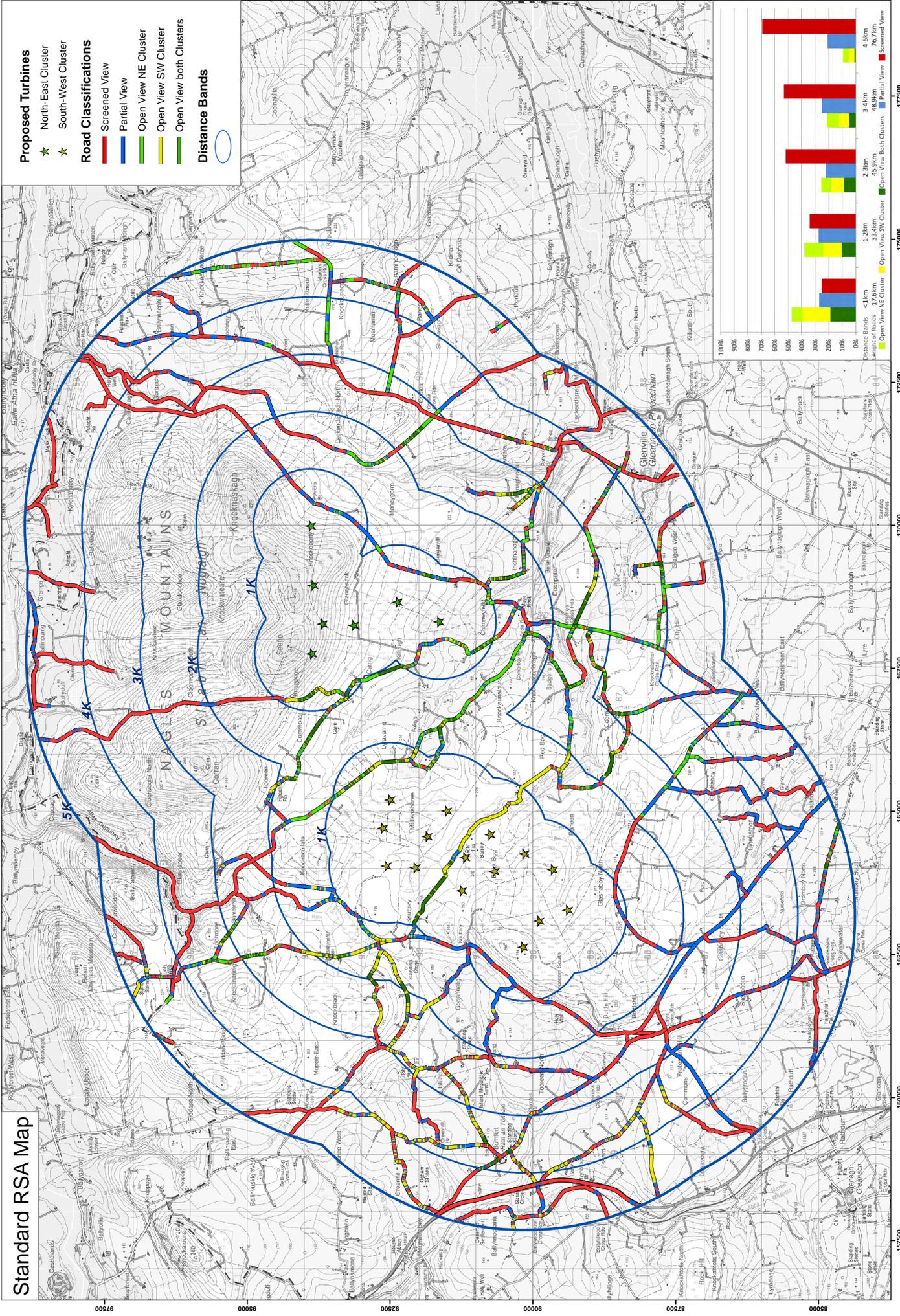
Observer Height assumed: 1.7m to eye-level height
Blade Tip Height: 169m

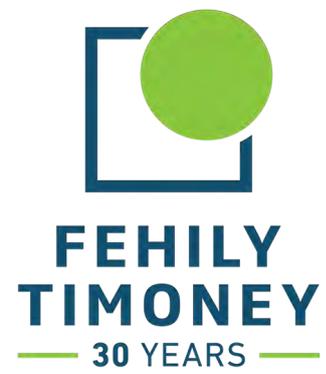
Note: This ZTV map is calculated for landform screening only and does not take account of the significant screening effects of vegetation (hedgerows, trees) and buildings inherent across the study area.

Scale: 1 : 115,000 if printed @ A2 size



Route Screening Assessment (RSA) - Screening Classification

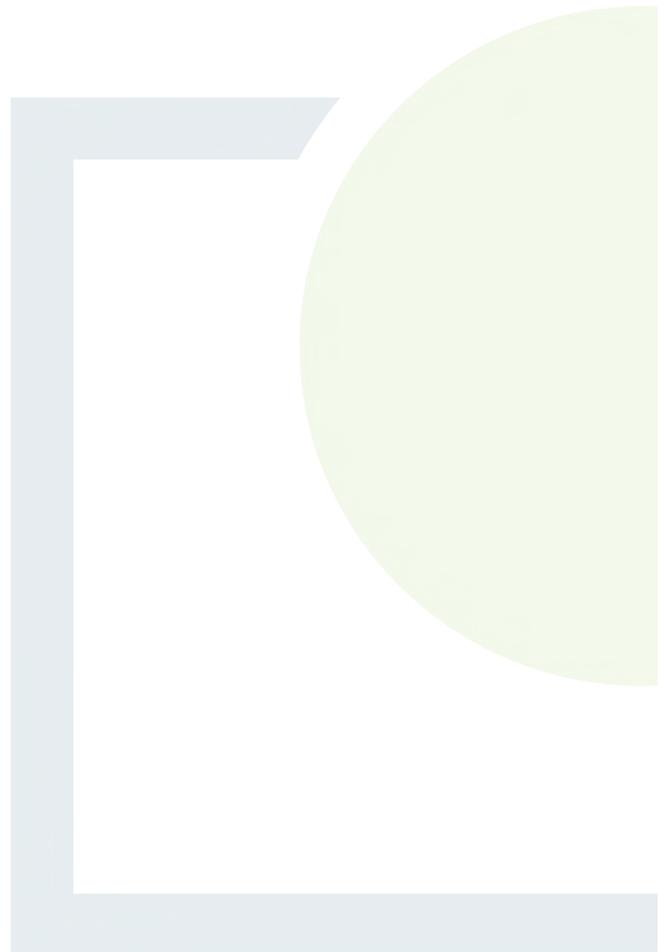




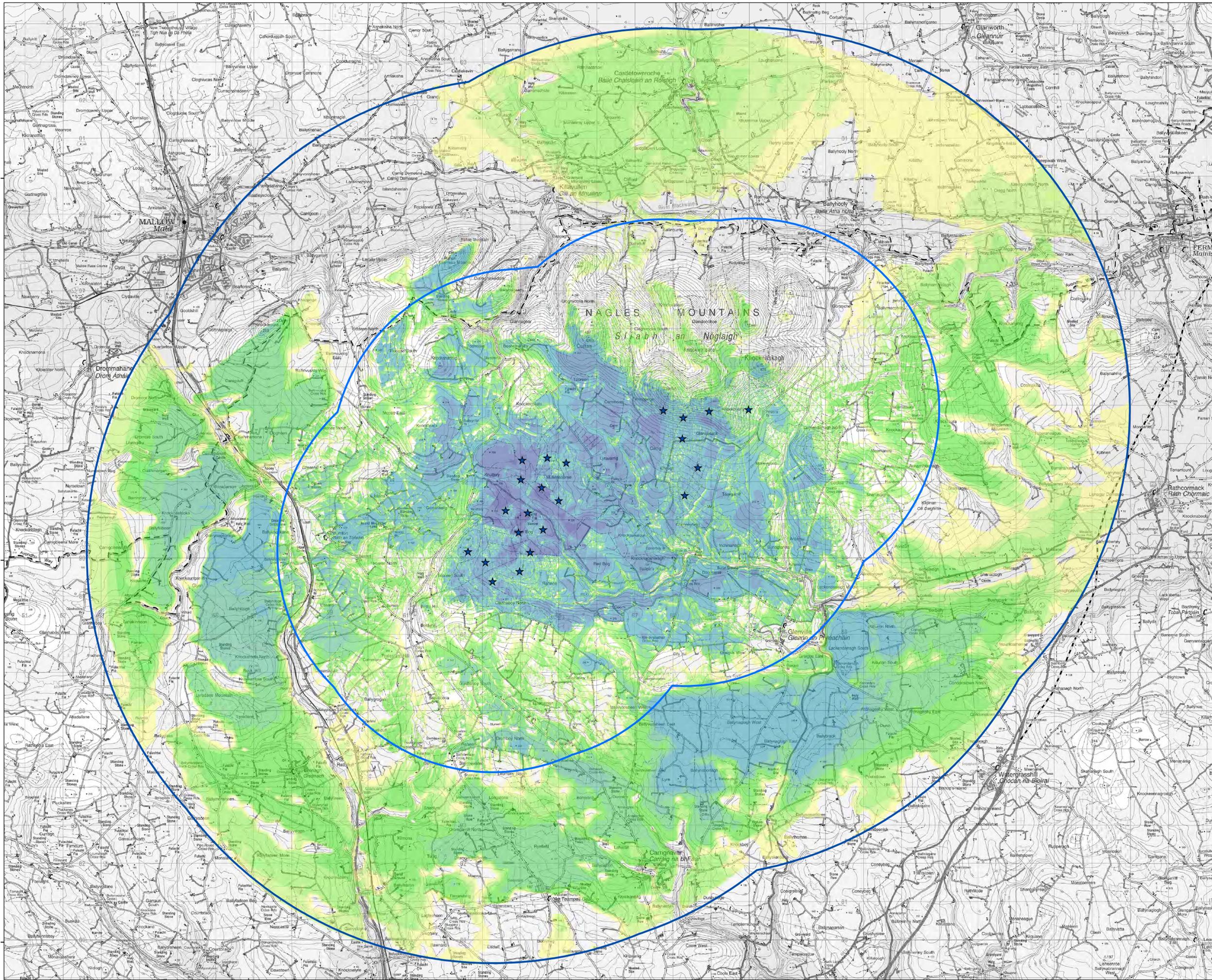
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APPENDIX 15.2

TVI Methodology



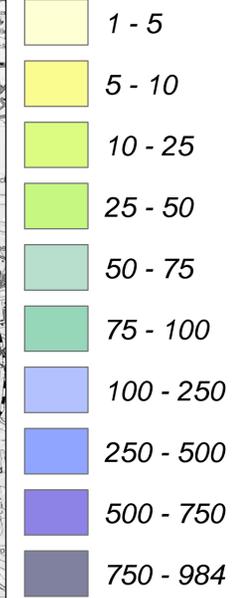
Theoretical Visual Intensity (TVI) map indicating the relative visual intensity of areas that have a potential view of the proposed Coom Wind Farm turbines



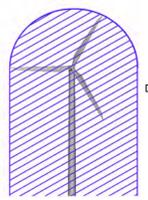
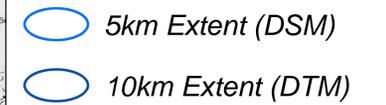
Proposed Coom Turbines



Visual Intensity Value (%)



Proposed Coom Extents



Draped area of 1 turbine at 1km
= TVI Score of 100

The values on this TVI map have been calibrated relative to the drapped area of a single turbine at 1km distance being equal to a TVI Value of 100.

Note: It is important to read the TVI methodology in Appendix M2 for explanation of this map and the Visual Intensity values indicated

600000

590000

580000

560000

570000

580000