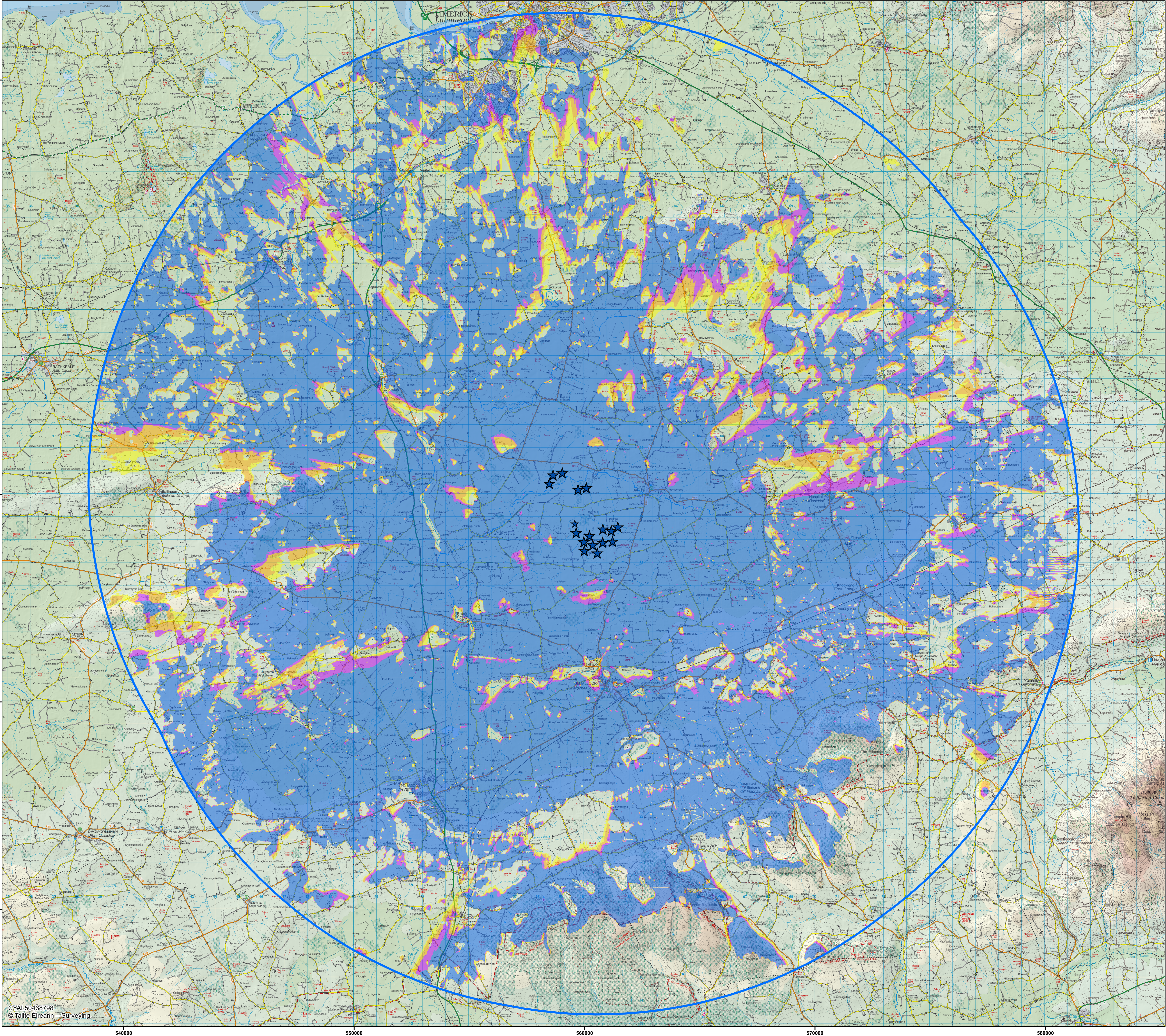


## **Appendix 12B**

### **Zone of Theoretical Visibility (ZTV) Map**



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



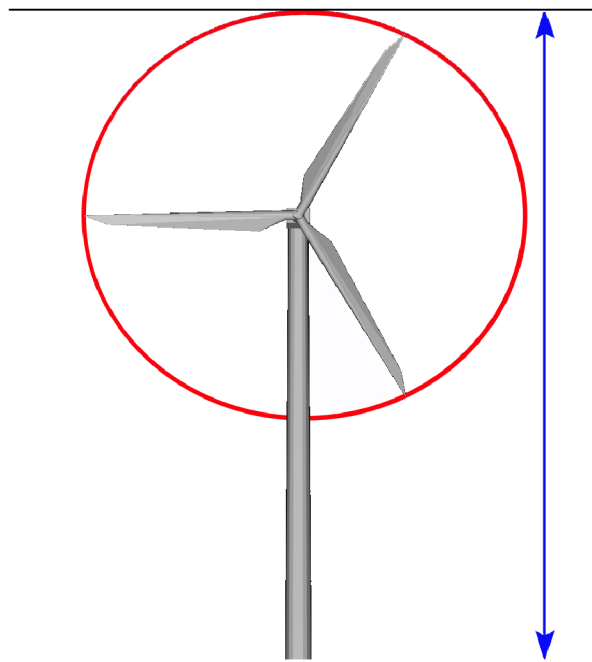
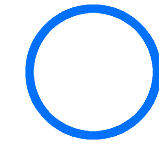
Proposed Turbines

- ★ 150m Tip Height
- ★ 160m Tip Height

No. Turbines Visible

- 1 - 4
- 5 - 8
- 9 - 12
- 13 - 17

20km Study Area



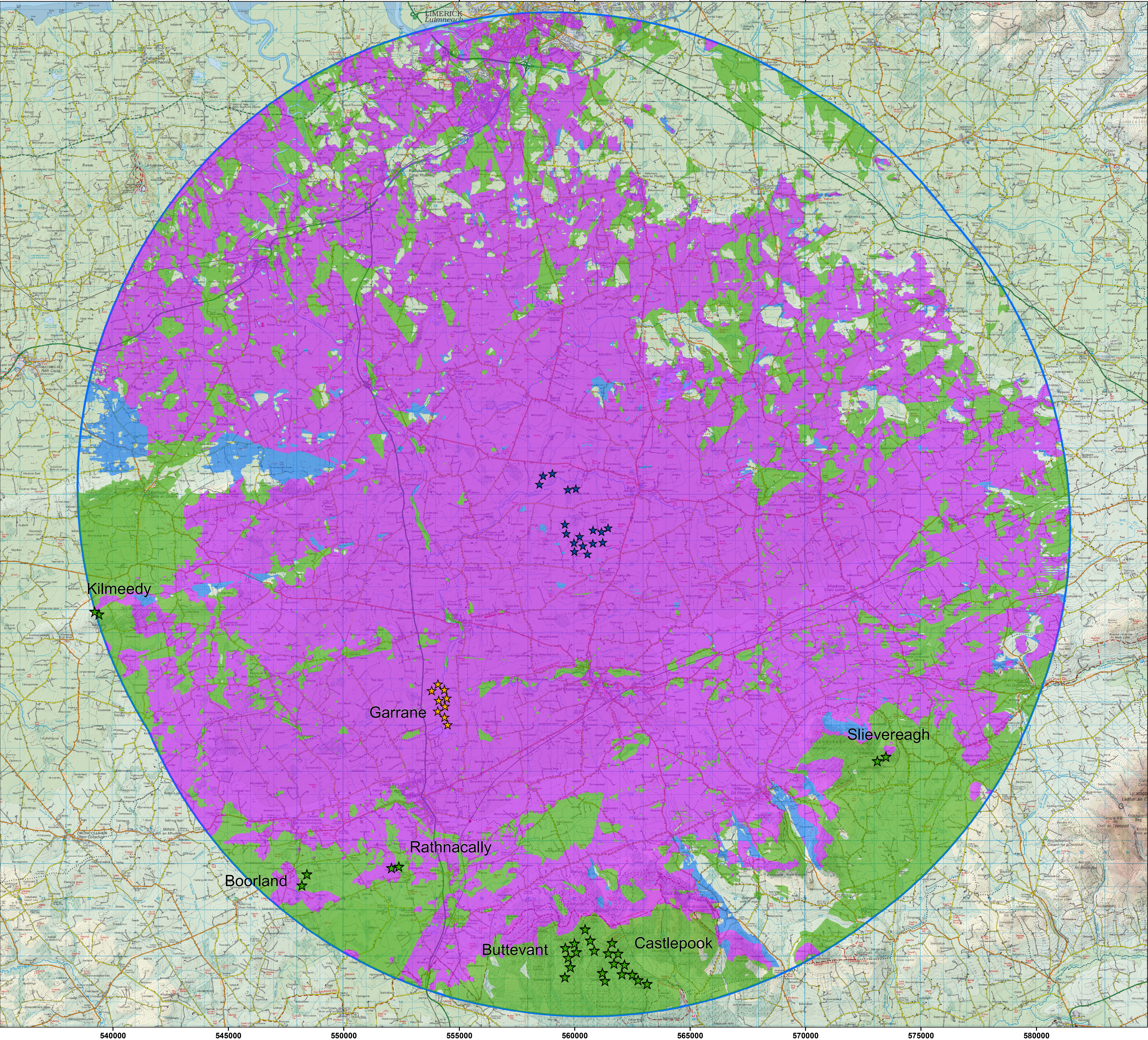
This ZTV map is based on the potential to see any part of the proposed turbine/s from the tip to base in a theoretical bare-ground scenario i.e. without accounting for screening by vegetation and/or buildings.

Observer Height assumed: 1.7m to eye-level height  
Tip Height: T1-T5; T7-T17 160m  
T6 150m

Scale: 1:80,000 if printed @ A1 size



ZTV indicating the cumulative theoretical visibility of the proposed Ballinlee Wind Farm in combination with the potential future cumulative scenario



Proposed Turbines



Existing Turbines



In-Planning Turbines



Wind Farm Visibility

23.4%

Visibility of existing or in-planning turbines only

62.2%

Visibility of proposed turbines as well as existing or in-planning turbines only

2.2%

Visibility of proposed turbines only

12.3% of the entire study area to 20km will not have any view of the turbine blades of the proposed Wind Farm or that of any existing, permitted or in-planning turbines only

20km Study area



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

Observer Height assumed: 2m to eye-level height  
Blade Tip Heights: Variable

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 : 80,000 if printed @ A1 size

