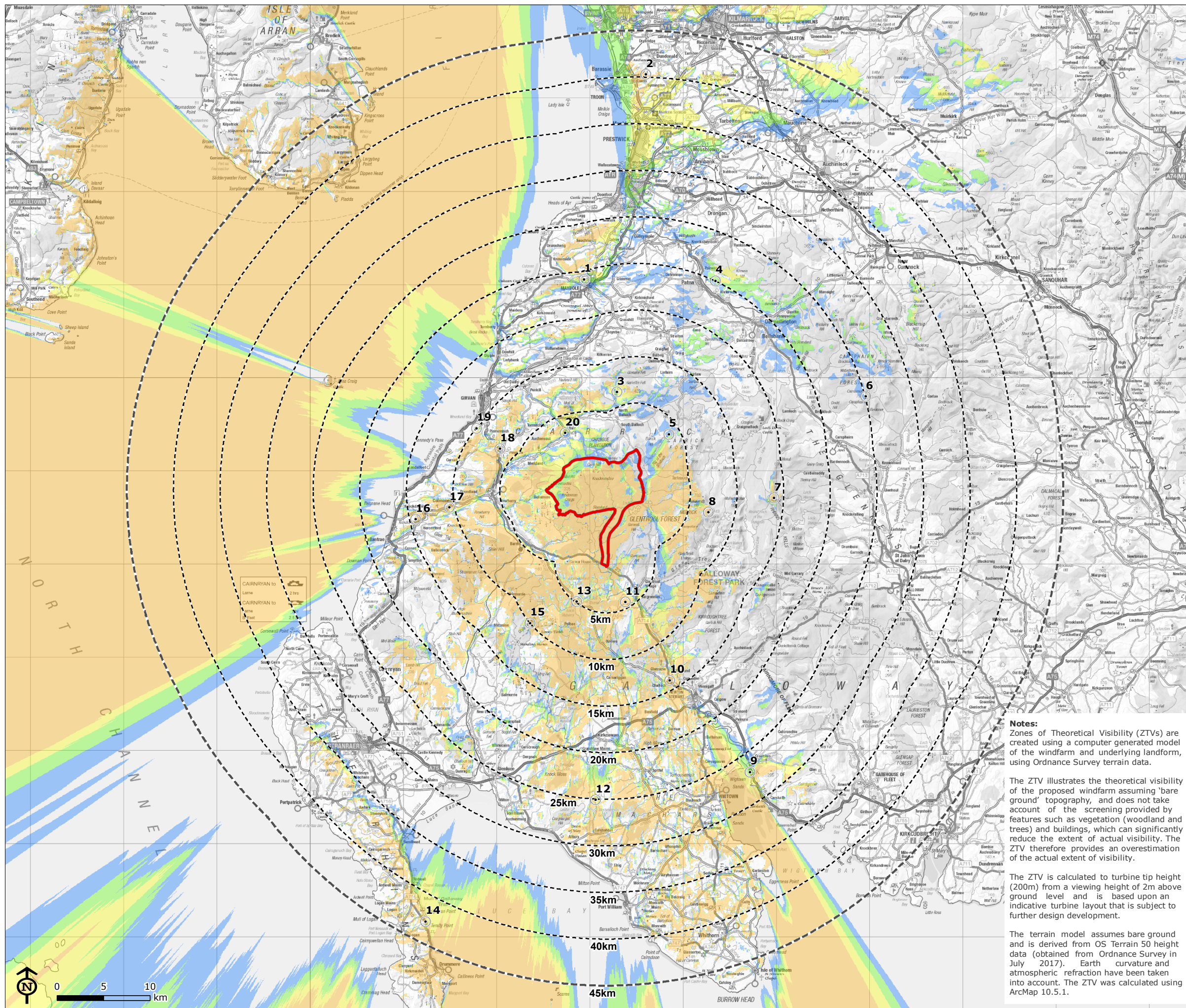


# Clauchrie Windfarm Scoping Report

**Figure 5.1: Maximum Blade Tip Height (200 m) ZTV and Suggested Viewpoint Locations**



- Site Boundary
- 5km Intervals from Site Boundary
- 45km Study Area

**Potential Turbine Visibility**

- 1 - 4 Turbines Visible
- 5 - 8 Turbines Visible
- 9 - 12 Turbines Visible
- 13 - 16 Turbines Visible

- Viewpoint
- 1. Maybole
- 2. Wardlaw Hill
- 3. Doughty Hill
- 4. Burnfoot & Lethanhill Memorial
- 5. Carrick Forest Road
- 6. Cairnsmore of Carsphairn
- 7. Corserine
- 8. The Merrick
- 9. A75 Point Nets
- 10. Challoch
- 11. SUW (near Garchew)
- 12. Mochrum Loch
- 13. B7027 Loch Maberry
- 14. Myroch Point
- 15. Craig Airie Fell
- 16. Knockdolian
- 17. Colmonell
- 18. A714 Laih Letterpin
- 19. Byne Hill
- 20. Barr

**Notes:** Zones of Theoretical Visibility (ZTVs) are created using a computer generated model of the windfarm and underlying landform, using Ordnance Survey terrain data.

The ZTV illustrates the theoretical visibility of the proposed windfarm assuming 'bare ground' topography, and does not take account of the screening provided by features such as vegetation (woodland and trees) and buildings, which can significantly reduce the extent of actual visibility. The ZTV therefore provides an overestimation of the actual extent of visibility.

The ZTV is calculated to turbine tip height (200m) from a viewing height of 2m above ground level and is based upon an indicative turbine layout that is subject to further design development.

The terrain model assumes bare ground and is derived from OS Terrain 50 height data (obtained from Ordnance Survey in July 2017). Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcMap 10.5.1.

**Map Scale: 1:400,000 @ A3**

