



Legend

- Proposed Earraghail Wind Turbines
- Distance Radii from Outermost Turbine (15, 30, 45km)
- Viewpoints
- Illustrative Wirelines
- Cumulative Wind Farms**
 - Sheirdrim
- North Arran Wild Land Area
- Zone of Theoretical Visibility (to Blade Tip)**
 - Sheirdrim may be visible
 - Earraghail may be visible
 - Both may be visible

FIGURE DATA:
 This figure has been based on the following data:
 Layout file: EAR_obsCumSheirdrimT5_MP_300921.shp, EAR_obsCumSheirdrimT50_MP_300921.shp
 Terrain data: EAR_T5_DTM_MP_300921.asc, EAR_T50_DTM_MP_160320.asc
 Viewer's eye height: 2m above ground level
 Calculation grid size: 5m (to 10km from outermost turbine), 50m beyond

NOTES:
 This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the Viewshed routine in the Visibility Analysis plugin for QGIS.
 The areas shown are the maximum theoretical visibility, taking topography into account.
 This visibility map is based on a 'bare earth' model of the landform and does not show any effects of screening from obstacles such as buildings and vegetation.
 The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on a DTM and has a 5m² (to 10km from outermost turbine)/50m² (beyond) resolution.
 The sites included in the ZTV are modelled to blade tip and are listed below:
 - Earraghail: 180m
 - Sheirdrim: 135-149.9m

Rev	Date	By	Comment

1:165,000
 Scale @ A1

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Earraghail Renewable Energy Development
 Landscape and Visual
 Figure 7.18: Cumu ZTV to Blade Tip: Sheirdrim

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Rev	
Date	10/02/22
Figure	7.18
Datum	OSGB36
Projection	TM