320000 325000 330000 335000 340000 345000

665000 660000 655000 650000 645000

Key

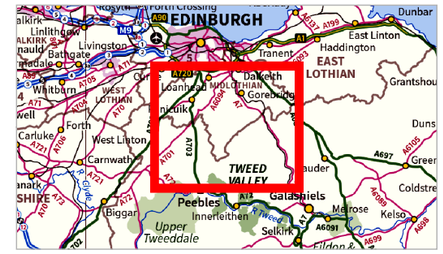
- Site Boundary
- Site Boundary - 10 km Buffer
- Site Boundary - 5 km Buffer
- Indicative Turbine Location
- Viewpoint Location

Listed Building (Category)

- A
- B
- Scheduled Monument Centre Point
- Scheduled Monument
- Inventory Garden and Designed Landscape
- Conservation Area
- Inventory Battlefield

Zone of Theoretical Visibility (Bare Earth): Number of Turbine Blade Tips Visible

- High : 19 Turbines Visible
- Low : 1 Turbine Visible



Coordinate System: British National Grid
Projection: Transverse Mercator

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0 2.5 5 km

1: 100,000 @ A3

Note

This Zone of Theoretical Visibility (ZTV) has been generated using ESRI ArcGIS Spatial Analyst extension. The digital terrain model (DTM) has been derived from OS Terrain 50 dataset (4m RMSE). Earth curvature has been included in the ZTV calculation and refraction of light has been applied using SNH guidance settings. The ZTV has been generated from a viewing height of 2m above ground level which falls within recommendations by "Visual Representation of Windfarms" prepared for Scottish Natural Heritage (SNH) February 2017 - Version 2.2.

The use of ZTV mapping at this stage is limited and the folowing assumptions should be noted:

- The ZTV has been generated using the proposed turbine locations for Torfichen Wind Farm.
- The proposed turbine tip heights of 180m have been used for generating the ZTV.
- The ZTV is generated from a bare earth terrain and does not account for the screening effect of features within the landscape such as settlements and woodland. It does not indicate potential visual effects or show the likely significance of effects. It shows potential theoretical visibility only. The ZTV has been produced for the purpose of informing 'on the ground' visual assessment.
- The ZTV colour palette has been specifically developed to assist viewers with reduced sensitivity to red, green and blue light.

Torfichen Wind Farm
EIA Scoping Report
Figure 5.1
Heritage Designations

Date:	Lead:	Review:	Version:
19/10/22	BG	JO	5.0