

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.

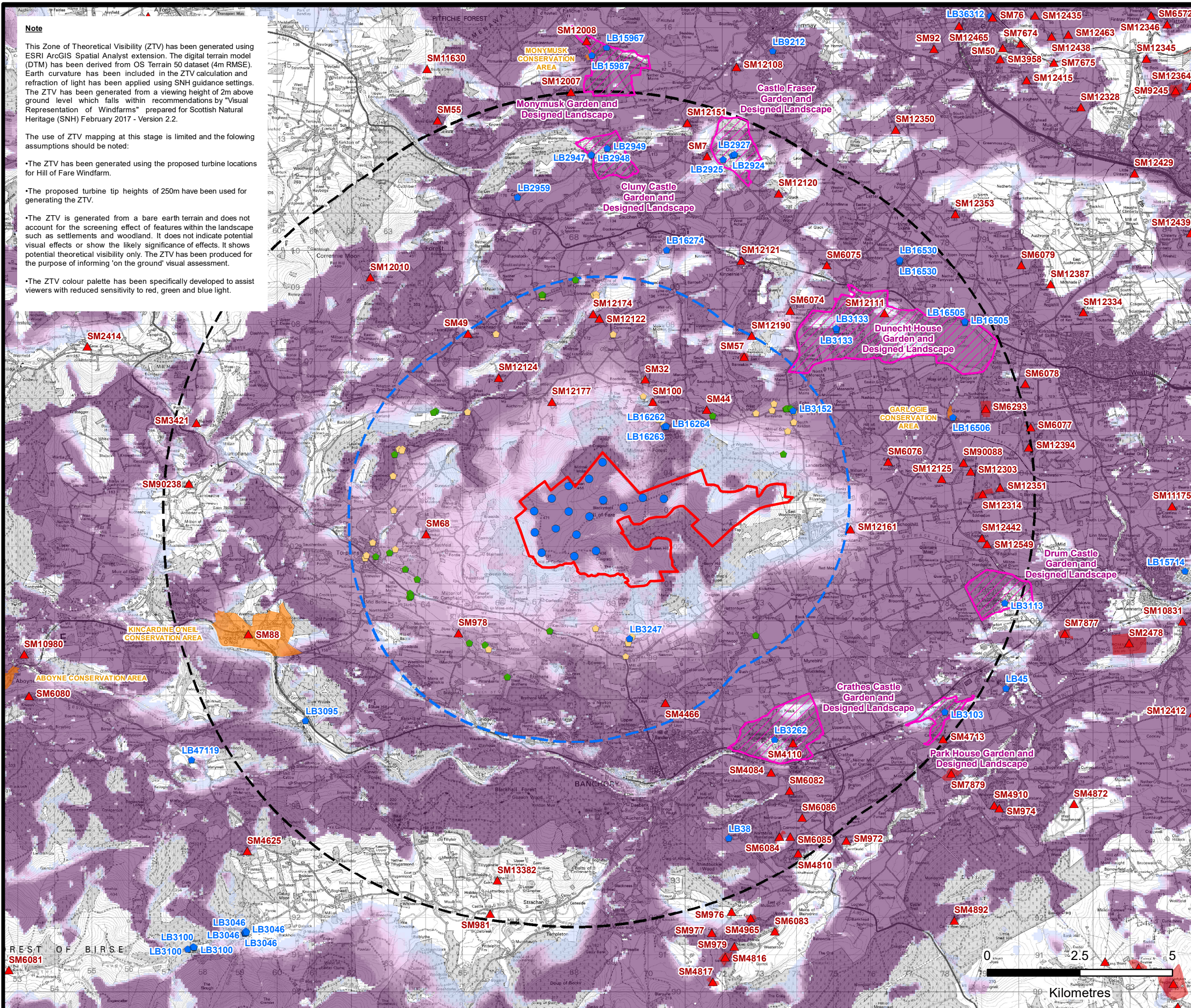
The use of ZTV mapping at this stage is limited and the following assumptions should be noted:

•The ZTV has been generated using the proposed turbine locations for Hill of Fare Windfarm.

•The proposed turbine tip heights of 250m 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.



HILL OF FARE

FIGURE 4.1

**ARCHAEOLOGY AND
CULTURAL HERITAGE**

**HERITAGE
DESIGNATIONS**

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- Site Boundary
- Turbine 5 km Buffer
- Turbine 10 km Buffer
- Proposed Turbine Layout
- Scheduled Monument
- Scheduled Monument Centre Point
- Listed Building (Category)
 - A
 - B
 - C
- Inventory Garden and Designed Landscape
- Conservation Area
- Zone of Theoretical Visibility (ZTV) - Bare Earth: No. of Turbine Tips Visible
 - High : 17
 - Low : 1



LAYOUT DWG SCOPING LAYOUT T-LAYOUT NO. PSCHOFR007

DRAWING NUMBER
03539.00017.0001.0

SCALE - 1:100,000 @ A3

SCOPING REPORT 2022

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