

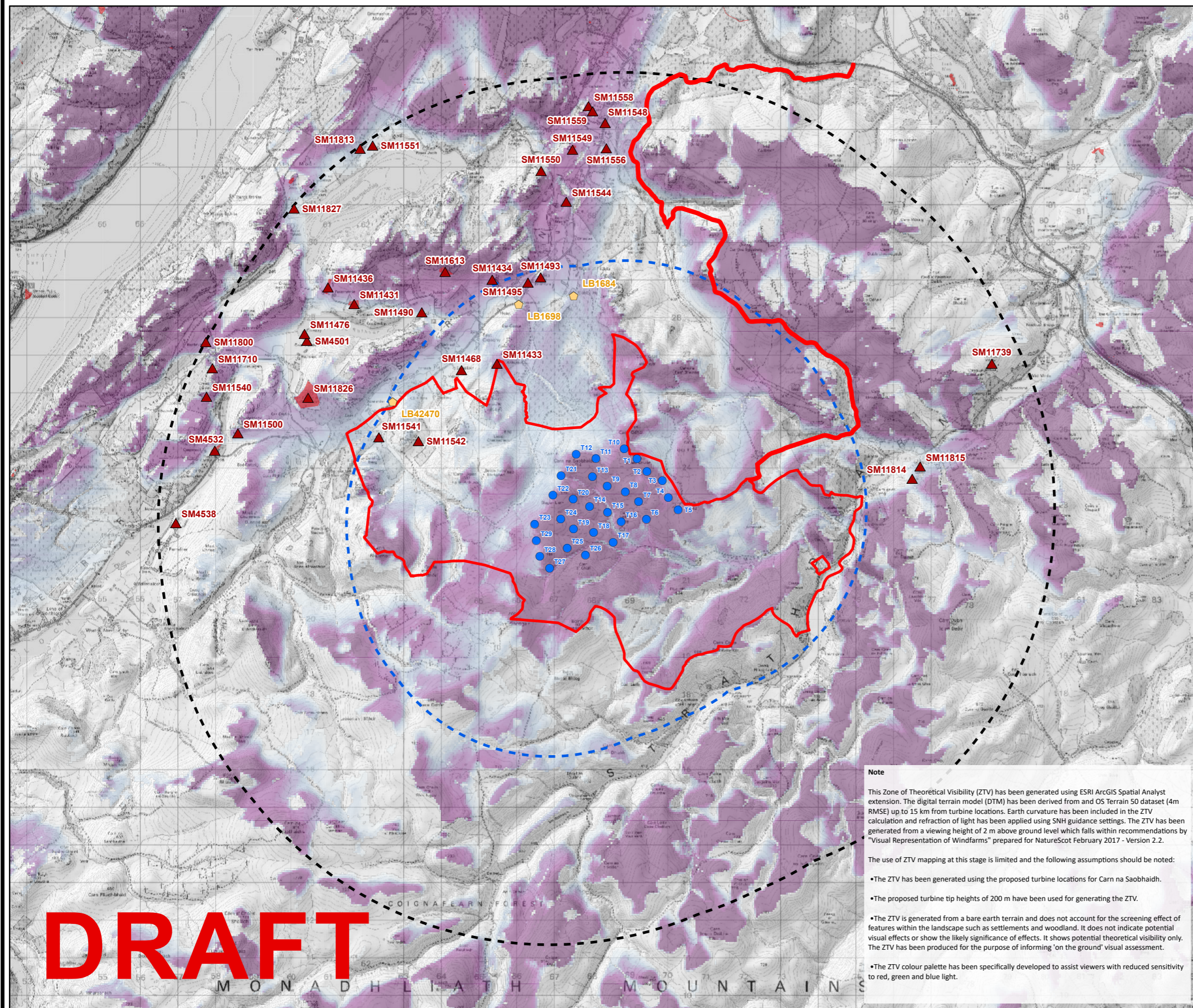


CARN NA SAOBHAIDH WIND FARM

FIGURE 7.1

CULTURAL HERITAGE DESIGNATIONS

© Crown copyright [and database rights] (2024) 0100031673
OS OpenData
© Crown Copyright Historic Environment Scotland (HES)
(2024).



- Site Boundary
- Proposed Turbine Location 5 km Buffer
- Proposed Turbine Location 10 km Buffer
- Scheduled Monument (Centrepoint)
- Scheduled Monument
- Listed Building (Category)**
- B (Out to 5 km)
- Zone of Theoretical Visibility (ZTV): Bare Earth to Tip Height (200m)**
- High: 29 Turbine Tips Visible
- Low: 1 Turbine Tip Visible


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 an OS Terrain 50 dataset (4m RMSE) up to 15 km from turbine locations. 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 2 m above ground level which falls within recommendations by "Visual Representation of Windfarms" prepared for NatureScot 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 Carn na Saobhaidh.
- The proposed turbine tip heights of 200 m 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.

DRAFT



LAYOUT DWG TBC	T-LAYOUT NO. PSC0gir013
DRAWING NUMBER 405.064997.00001.0001.0	
SCALE - 1:100,000 @ A3	
CULTURAL HERITAGE SCOPING REPORT 2024	
THIS DRAWING IS THE PROPERTY OF RENEWABLE ENERGY SYSTEMS LTD. AND NO REPRODUCTION MAY BE MADE IN WHOLE OR IN PART WITHOUT PERMISSION	