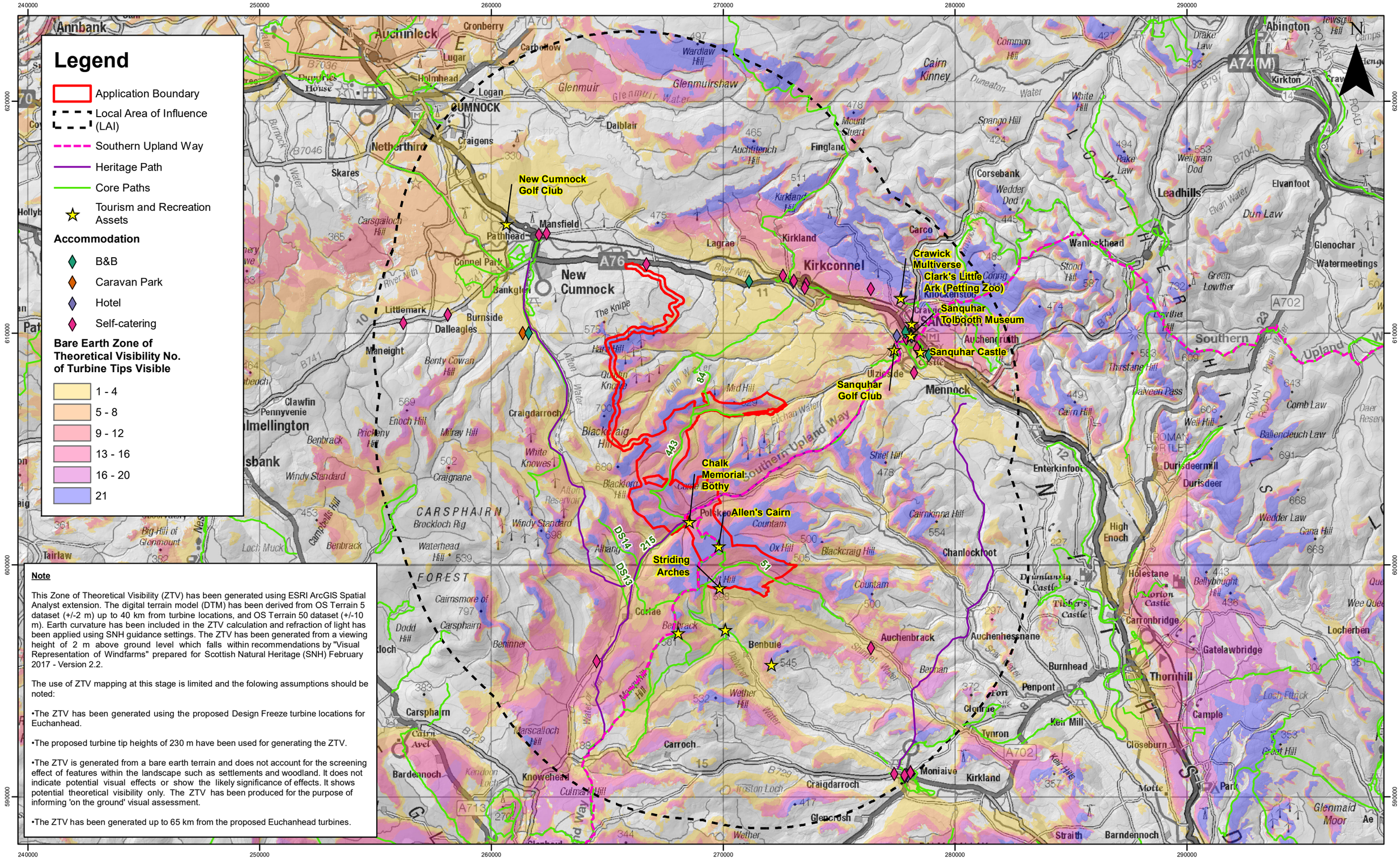

Note

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 5 dataset (+/-2 m) up to 40 km from turbine locations, and OS Terrain 50 dataset (+/-10 m). 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 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 Design Freeze turbine locations for Euchanhead.

•The proposed turbine tip heights of 230 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 has been generated up to 65 km from the proposed Euchanhead turbines.

SCOTTISHPOWER RENEWABLES

Rev	Date	By	Comment
A	13/10/20	AA	First Issue

1:150,000 Scale @ A3

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Euchanhead Renewable Energy Development EIAR

Socio-Economic

Socio-Economic Plan

Drg No	00481.00052.0270.0
Rev	A
Date	13/10/20
Figure	14.1

Datum: OSGB36 Projection: TM