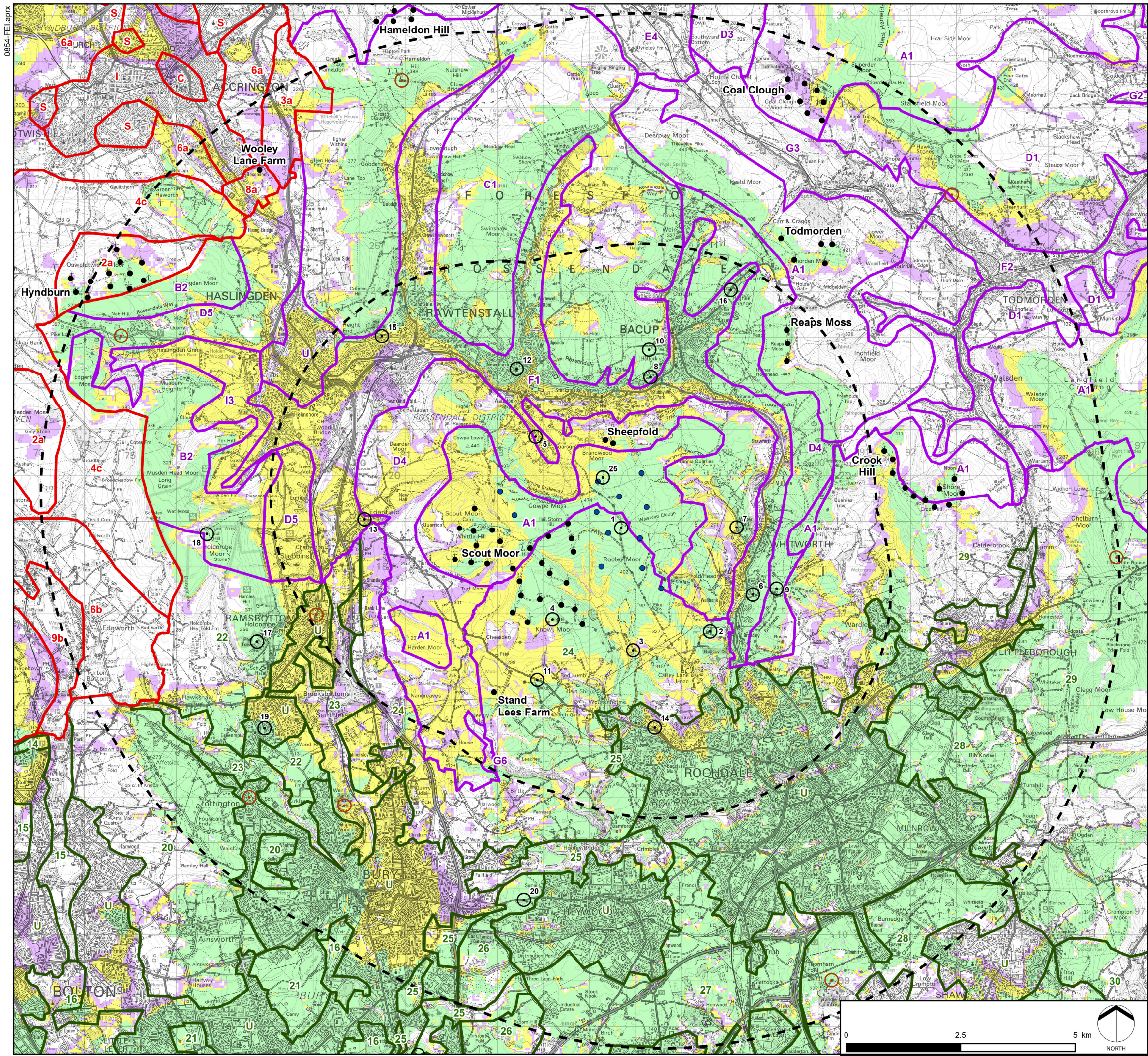




SCOUT MOOR II WIND FARM

FIGURE 11.12
Bare Earth ZTV with Landscape Character

KEY

- Scout Moor II Turbines
- Distance Radii from Outermost Turbines (5, 10km)
- Viewpoints
- Illustrative Wirelines
- Cumulative Wind Farms within 20km
- Operational Wind Farms (not included in the ZTV, locations shown for reference)
- Greater Manchester Landscape Character and Sensitivity Study (2018)
- Landscape Character Areas
- South Pennines Local Landscape Character Types and Areas (2014)
- Landscape Character Areas
- Lancashire Landscape Character Assessment (2000)
- Landscape Character Areas
- Zone of Theoretical Visibility (105m to hub height)
- 1 - 6 hubs (105m) and any number of blade tips (180m) may be visible
- 7 - 12 hubs (105m) and any number of blade tips (180m) may be visible
- Any number of blade tips only may be visible

The 13–17 turbine visibility category shown in the ES is not included as the scheme has been reduced to 12 turbines.

FIGURE DATA:
This figure has been based on the following data:

Layout file: D012-obvs-BT-T5-20km.shp; D012-obvs-BT-T50-80km.shp; D012-obvs-HH-T5-20km.shp; D012-obvs-HH-T50-80km.shp
Terrain data: T5-DTM.asc; T50-DTM-45km.asc
Viewer's eye height: 2m above ground level
Calculation grid size: 5m (to 5km from turbines) / 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 5km from turbines) / 50m² resolution.

Projected Coordinate System: British National Grid
Cubico UK Development (Wind 1) Ltd

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