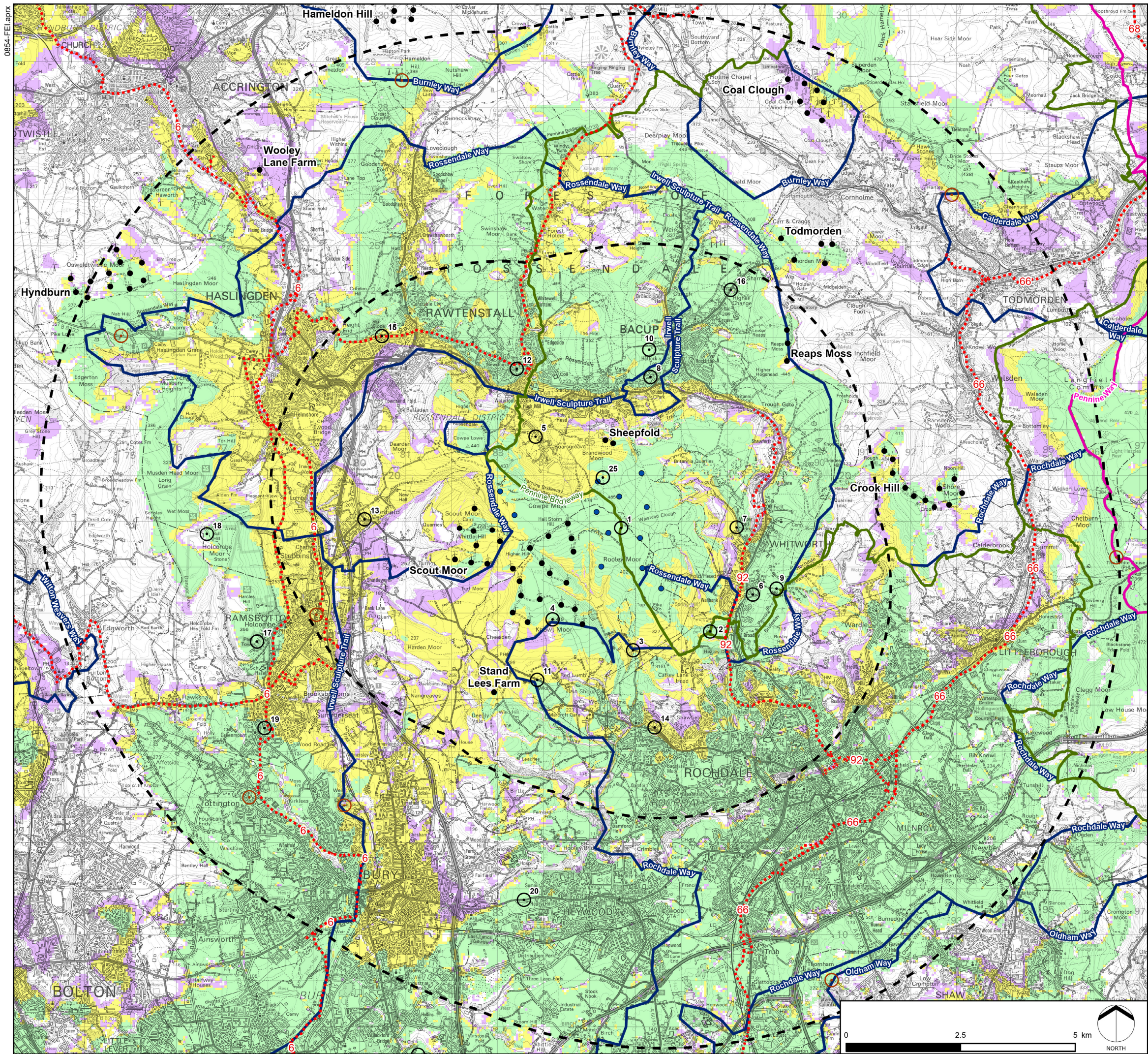




SCOUT MOOR II

FIGURE 11.13

Bare Earth ZTV with Visual Receptors

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)
- Pennine Bridleway
- Pennine Way
- Regional Routes
- National and Regional Cycle Routes
- Zone of Theoretical Visibility**
 - 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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