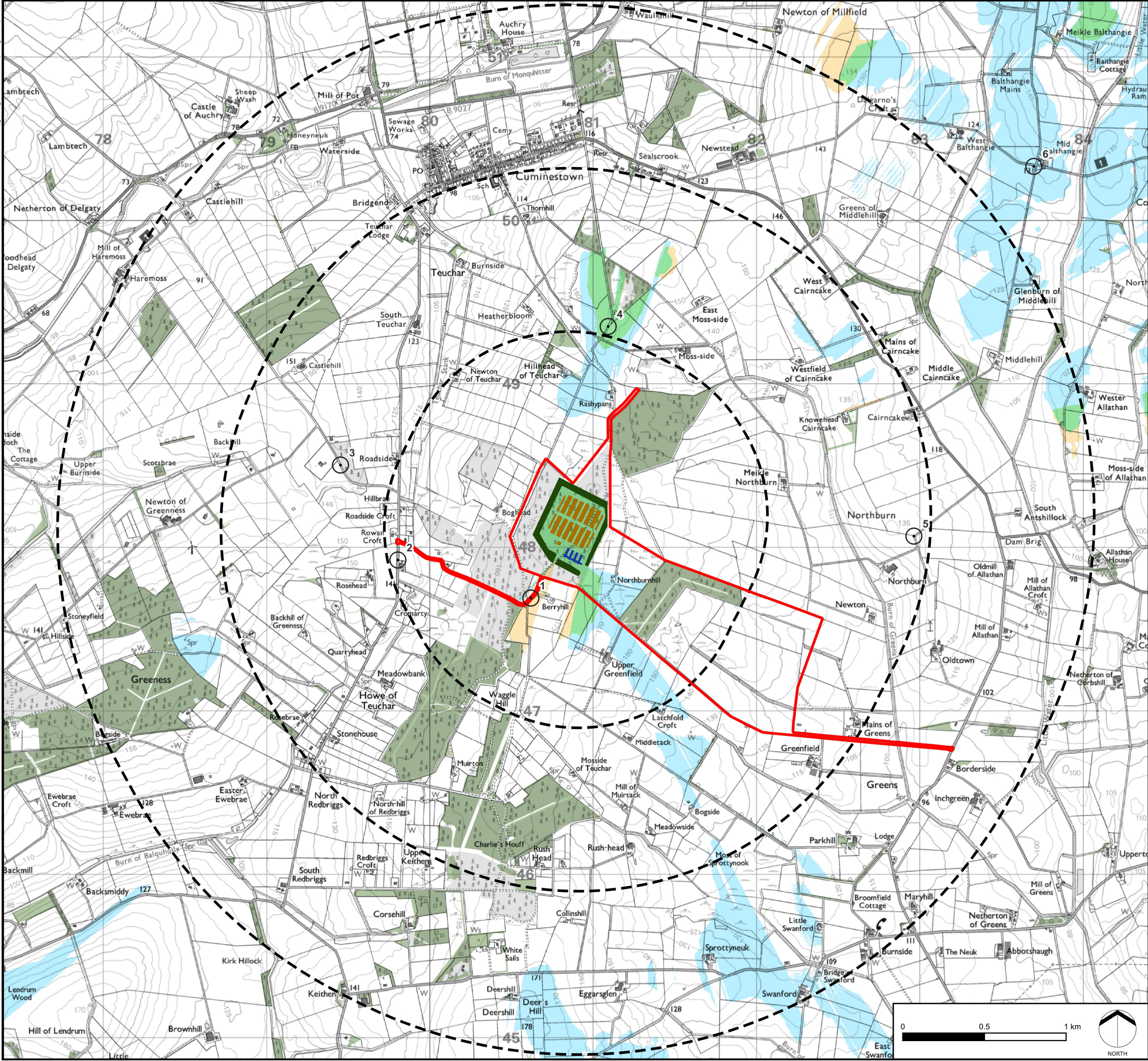




1005-SHRK-XX-XX-DR-L-1001

Zone of Theoretical Visibility With Screening
Effect of Woodland and Settlement And
Additional Native Woodland and the Bunding At
Year 15 of Operation

- KEY
- Planning Boundary
- Distance Radii from BESS units, Control building and
Transformers (1, 2 and 3km)
- Viewpoints
- BESS units, Control building and Water Tanks
(modelled at 3.2, 4.9 and 6.79m)
- Transformers (modelled at 8.3m)
- Existing Forestry and Woodland (modelled at 15m)
- Proposed Native Woodland (modelled at 7m)
- Buildings (modelled at 7.5m)

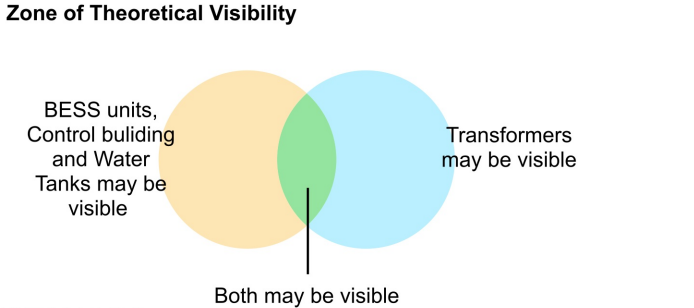


FIGURE DATA:
This figure has been based on the following data:

Layout file: D002-obs-BESS_Units-3.2m+Control-Buildings-4.9m-
T5_Proposed_Levels-5.5km + D002-obs-Trasformer-8.3m-
T5_Proposed_Levels-5.5km
Terrain data: T5-DSM-with-Proposed-
Levels+Bunds+Native_Woodland
Viewer's eye height: 2m above ground level
Calculation grid size: 5m

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 into
account topography, principal woodlands and buildings.

A digital surface model (DSM) has been derived from OS Terrain 5
height data with the locations of woodland and buildings taken from
the OS Open Map Local dataset. Buildings have been modelled with
an assumed height of 7.5m and woodland an assumed height of 15m,
representing a conservative estimate of average heights within the
study area.

The model does not take into account some localised features such as
small copses, hedgerows or individual trees and therefore still gives
an exaggerated impression of the extent of visibility. The actual extent
of visibility on the ground will be less than that suggested by this plan.

The ZTV includes an adjustment that allows for Earth's curvature and
light refraction. It is based on a derived DSM and has a 5m² resolution.
Projected Coordinate System: OSGB36 / British National Grid

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