



BLOCH
WIND FARM

FIGURE 5.6

ZONE OF THEORETICAL
VISIBILITY (ZTV) STUDY
- BARE GROUND

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Proposed Turbines

- 105m (Hub) / 180m (Tip)
- 125m (Hub) / 200m (Tip)
- 155m (Hub) / 230m (Tip)

Site Boundary

Distance from Proposed Turbines (5, 15, 25, 35km)

● Viewpoints

- VP1 - High Stenries
- VP2 - Minor road near Bargleshead
- VP3 - Collin Burn
- VP4 - Milltown
- VP5 - Calfield
- VP6 - B6318 north-west of Claygate
- VP7 - Langholm Bridge
- VP8 - Malcolm Monument, Langholm
- VP9 - Longtown
- VP10 - Burnswark Hill Fort
- VP11 - A7 near Unthank
- VP12 - Bowness-on-Solway
- VP13 - Caerlaverock Castle
- VP14 - Banks, Hadrian's Wall
- VP15 - Gretna Green/Springfield
- VP16 - Kirkpatrick-Fleming
- VP17 - Repentance Tower, Hoddum

Zone of Theoretical Visibility (ZTV)

- Hub
- Blade Tip

This drawing is based upon computer generated Zone of Theoretical Visibility (ZTV) studies produced using the viewshed routine in the ESRI ArcGIS Suite. The areas shown are the maximum theoretical visibility, taking into account topography only, which has been included in the model with the heights obtained from Nextmap 25. The model does not take into account any above ground features and therefore gives an exaggerated impression of the extent of visibility. The actual extent of visibility on the ground will be noticeably less than that suggested by this plan and visibility from principal settlements is likely to be possible from peripheral areas only.

The ZTV includes an adjustment that allows for Earth's curvature and light refraction. It is based on Nextmap 25 terrain data and has a 25m resolution.



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SCALE - 1:135,000 @ A1

ENVIRONMENTAL IMPACT
ASSESSMENT REPORT 2022

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