

**LONGCROFT
WIND FARM**

FIGURE 6.5

**ZONE OF THEORETICAL
VISIBILITY (ZTV) STUDY
- BAREGROUND (45KM)**

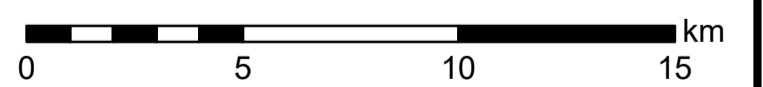
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- Proposed Turbines (135m hub, 220m tip)
 - ▭ Site Boundary
 - Distance from Proposed Turbines (5, 15, 25, 35, 45km)
- Zone of Theoretical Visibility (ZTV) (computer generated)**
- ▭ Hub
 - ▭ Blade Tip
 - Viewpoints

- VP1: Lylestone Hill, Core Path 16
- VP2: Station Road, Oxton
- VP3: A68 North of Lauder
- VP4: Lammer Law
- VP5: A68 South of Dun Law Wind Farm
- VP6: Southern Upland Way, Twin Law Cairns
- VP7: Thirlestane Castle GDL, Southern Upland Way
- VP8: B368 North-East Soutra Aisle
- VP9: Minor Road to Longformacus
- VP10: A6105 East of Gordon
- VP11: A1 North-East of Haddington
- VP12: Minor Road South of Gorebridge
- VP13: B7007 & NCN1 near Broad Law
- VP14: Eildon Hills
- VP15: North Berwick Law
- VP16: A6112/B6470 Junction East of Swinton
- VP17: Arthur's Seat
- VP18: Allermuir Hills, Pentland Hills Regional Park
- VP19: Southern Upland Way, Edgarhope Wood
- VP20: Corepaths west of Oxton
- VP21: Redstone Rig
- VP22: Lauder Common
- VP23: A68 near The Roan
- VP24: Southern Upland Way, Chester Hill
- VP25: B6456 near A697 Junction
- VP26: B6456 near Camp Moor
- VP27: Fa Side Hill Viewpoint
- VP28: B6369 north of Gifford
- VP29: Elie Harbour
- VP30: A198 at Dirleton

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 25m² resolution.



LAYOUT DWG: 04728-RES-LAY-DR-TE-002 T-LAYOUT NO: PSCOLCF021

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SCALE - 1:175,000 @ A1

**ENVIRONMENTAL IMPACT
ASSESSMENT REPORT 2023**

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