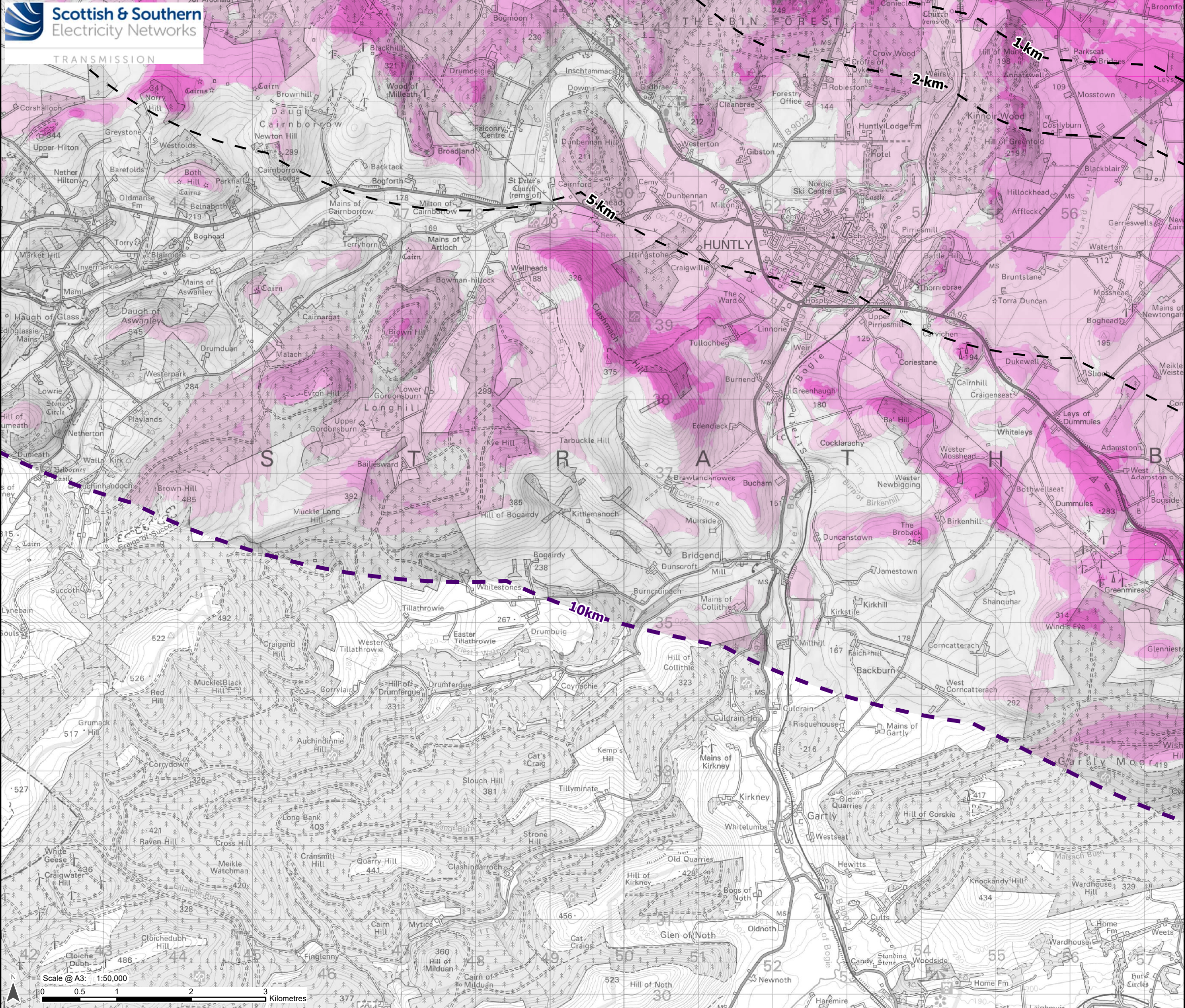




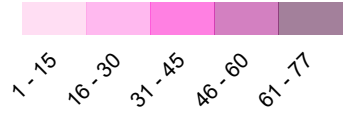
Legend

- 10 km LVIA Study Area
- Distance from Proposed Alignment : 1 km, 2 km, 5 km

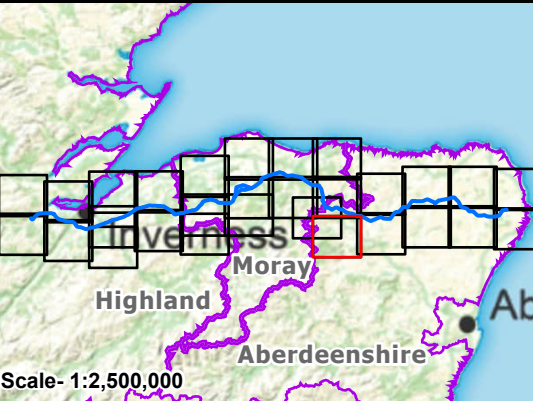
Development for which Section 37
Consent is Sought

Proposed OHL Alignment - 400 kV

Zone of Theoretical Visibility (ZTV)
(Number of Towers Visible)



ZTV Note:
1) The theoretical visibility is based on the design heights of the proposed towers (14.65 m – 96.57 m) of the proposed OHL alignment, including transposition towers. The assumed viewer eye height is 2 m above ground level. The visibility of these towers is cut off at 10 km each.
2) The digital elevation model assumes bare ground and is derived from OS Terrain 5 data. The ZTV does not take into consideration intervening vegetation and built forms. This presents a worst-case scenario.
3) Earth curvature and atmosphere refraction have been taken into account.
4) The ZTV is based on the Design Freeze 4 and does not take into account the proposed towers for the Kellas Alternative Alignment.
5) Refer to Section 7.2 of Chapter 7: Landscape and Visual for ZTV creation methodology.



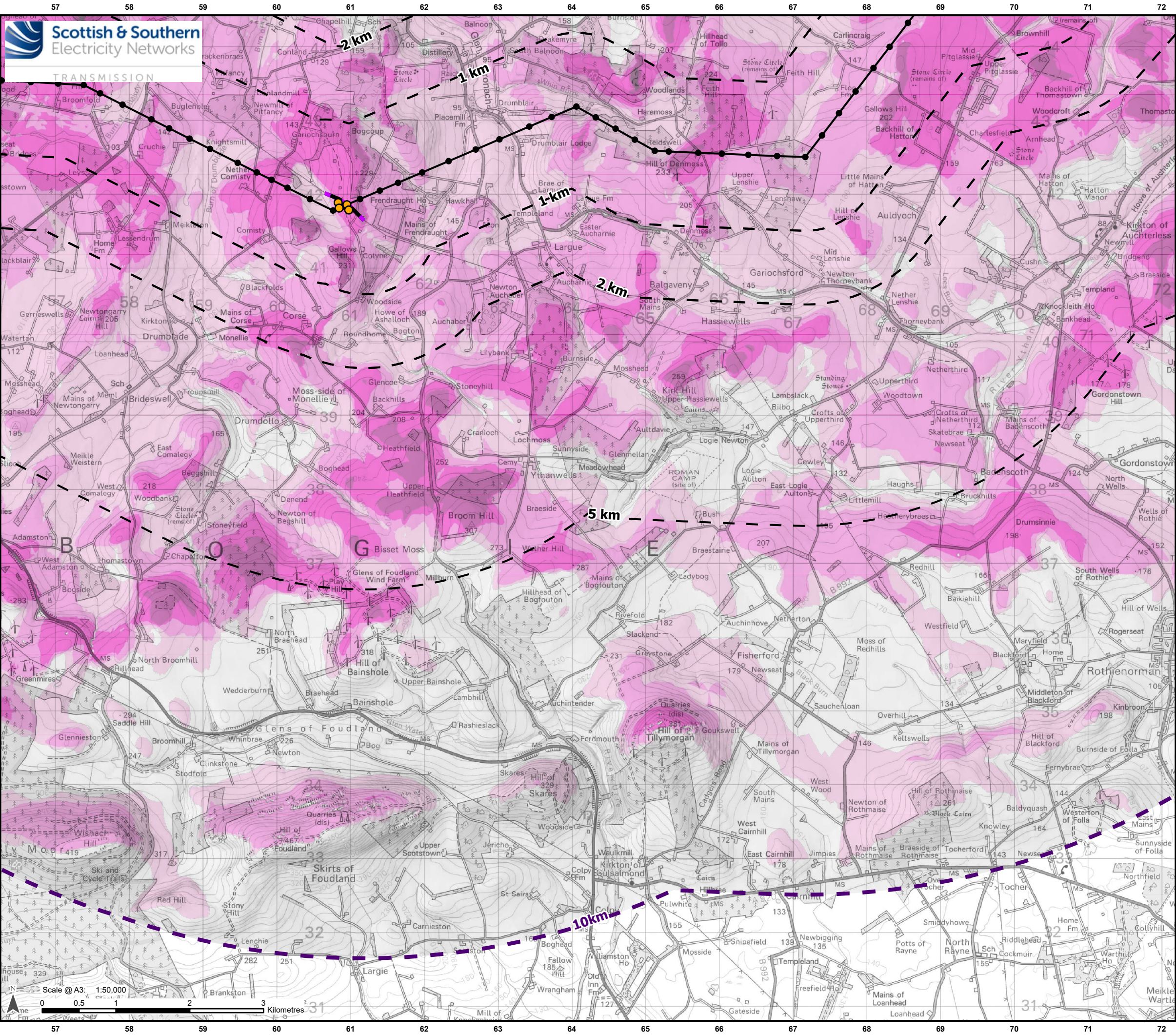
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Project: Beauly to Blackhillock to New Deer to Peterhead 400 kV OHL Project

Title: Figure 7.1 - Zone of Theoretical Visibility
10 km LVIA Study Area- Bare Earth
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Legend

- 10 km LVIA Study Area
- Distance from Proposed Alignment : 1 km, 2 km, 5 km
- Proposed OHL Alignment - 400 kV
- Temporary OHL Diversion
- Proposed Alignment - Existing OHL Works (275 kV Realignment and Crossings)
- Proposed Tower - 400 kV
- Proposed Tower - Existing OHL Works (275 kV Realignment and Crossing)

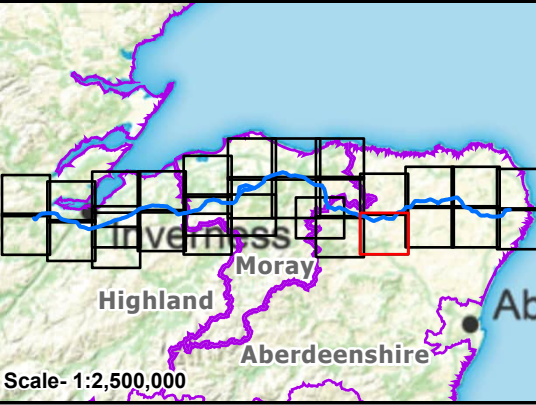
Zone of Theoretical Visibility (ZTV)

(Number of Towers Visible)



ZTV Note:

- 1) The theoretical visibility is based on the design heights of the proposed towers (14.65 m – 96.57 m) of the proposed OHL alignment, including transposition towers. The assumed viewer eye height is 2 m above ground level. The visibility of these towers is cut off at 10 km each.
- 2) The digital elevation model assumes bare ground and is derived from OS Terrain 5 data. The ZTV does not take into consideration intervening vegetation and built forms. This presents a worst-case scenario.
- 3) Earth curvature and atmosphere refraction have been taken into account.
- 4) The ZTV is based on the Design Freeze 4 and does not take into account the proposed towers for the Kellas Alternative Alignment.
- 5) Refer to **Section 7.2 of Chapter 7: Landscape and Visual** for ZTV creation methodology.



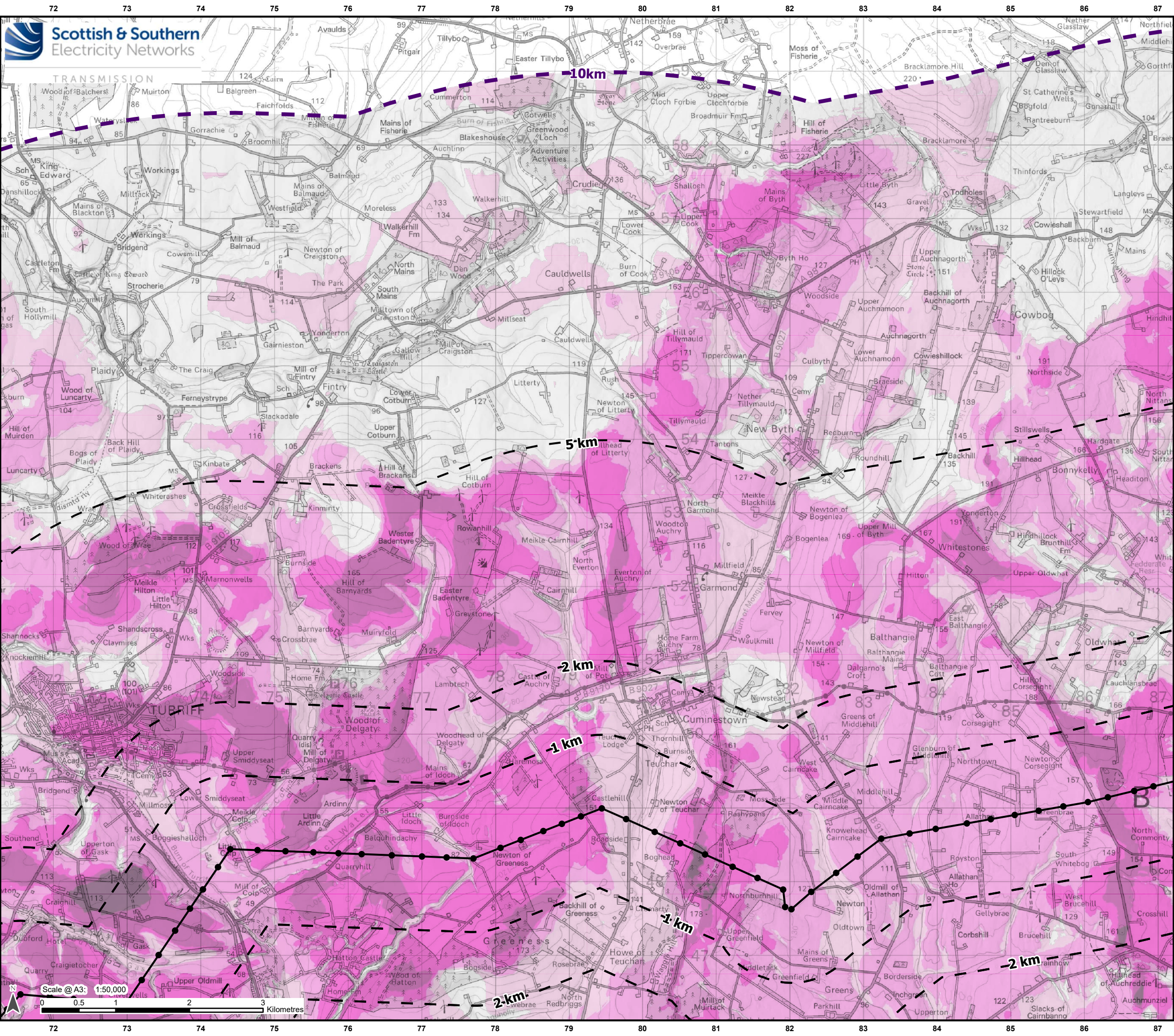
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Project: Beaulieu to Blackhillock to New Deer to Peterhead 400 kV OHL Project

Title: Figure 7.1 - Zone of Theoretical Visibility
10 km LVIA Study Area- Bare Earth
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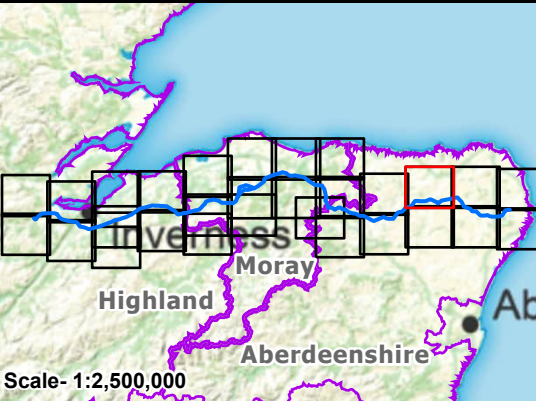


Legend

- 10 km LVIA Study Area
- Distance from Proposed Alignment : 1 km, 2 km, 5 km
- Proposed OHL Alignment - 400 kV
- Proposed Tower - 400 kV
- Zone of Theoretical Visibility (ZTV)
(Number of Towers Visible)
- 1 - 15
- 16 - 30
- 31 - 45
- 46 - 60
- 61 - 77

ZTV Note:

- 1) The theoretical visibility is based on the design heights of the proposed towers (14.65 m – 96.57 m) of the proposed OHL alignment, including transposition towers. The assumed viewer eye height is 2 m above ground level. The visibility of these towers is cut off at 10 km each.
- 2) The digital elevation model assumes bare ground and is derived from OS Terrain 5 data. The ZTV does not take into consideration intervening vegetation and built forms. This presents a worst-case scenario.
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Project: Beaulieu to Blackhillock to New Deer to Peterhead 400 kV OHL Project

Title: Figure 7.1 - Zone of Theoretical Visibility
10 km LVIA Study Area- Bare Earth
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