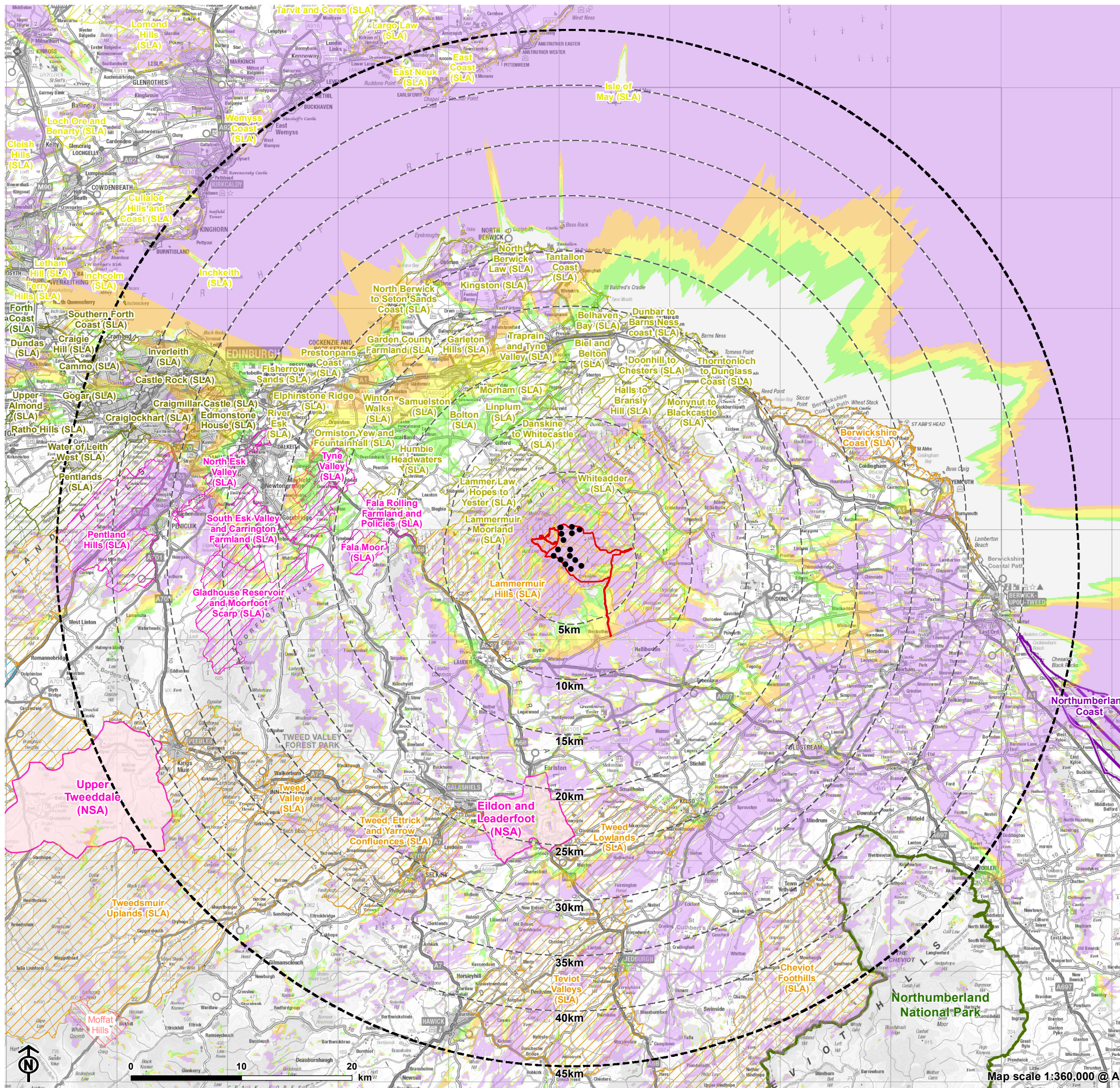


Figure 4.1.7: Designated Landscapes with Blade Tip Height (220m) Zone of Theoretical Visibility (ZTV)



- Turbine
 - ▭ Site Boundary
 - 5km intervals from outermost turbines
 - LVIA study area 45km from outermost turbines
- Theoretical blade tip visibility (220m)**
- 1-4 turbines visible
 - 5-8 turbines visible
 - 9-12 turbines visible
 - 13-15 turbines visible
- National Designation**
- National Scenic Area (NSA)
 - Northumberland National Park
- Local Designations**
- Area of Outstanding Natural Beauty (AONB) - (Northumberland Coast)
 - Regional Scenic Area (Dumfries & Galloway)
 - Special Landscape Area (SLA) - (Scottish Borders)
 - Special Landscape Area (SLA) - (South Lanarkshire)
 - Special Landscape Area (SLA) - (East Lothian)
 - Special Landscape Area (SLA) - (Midlothian)
 - Special Landscape Area (SLA) - (West Lothian)
 - Special Landscape Area (SLA) - (City of Edinburgh)
 - Special Landscape Area (SLA) - (Fife)

Notes:
The ZTV is calculated to turbine tip height (220m) from a viewing height of 2m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 50 height data (obtained from Ordnance Survey in 2023). Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcMap 10.8.1 software.