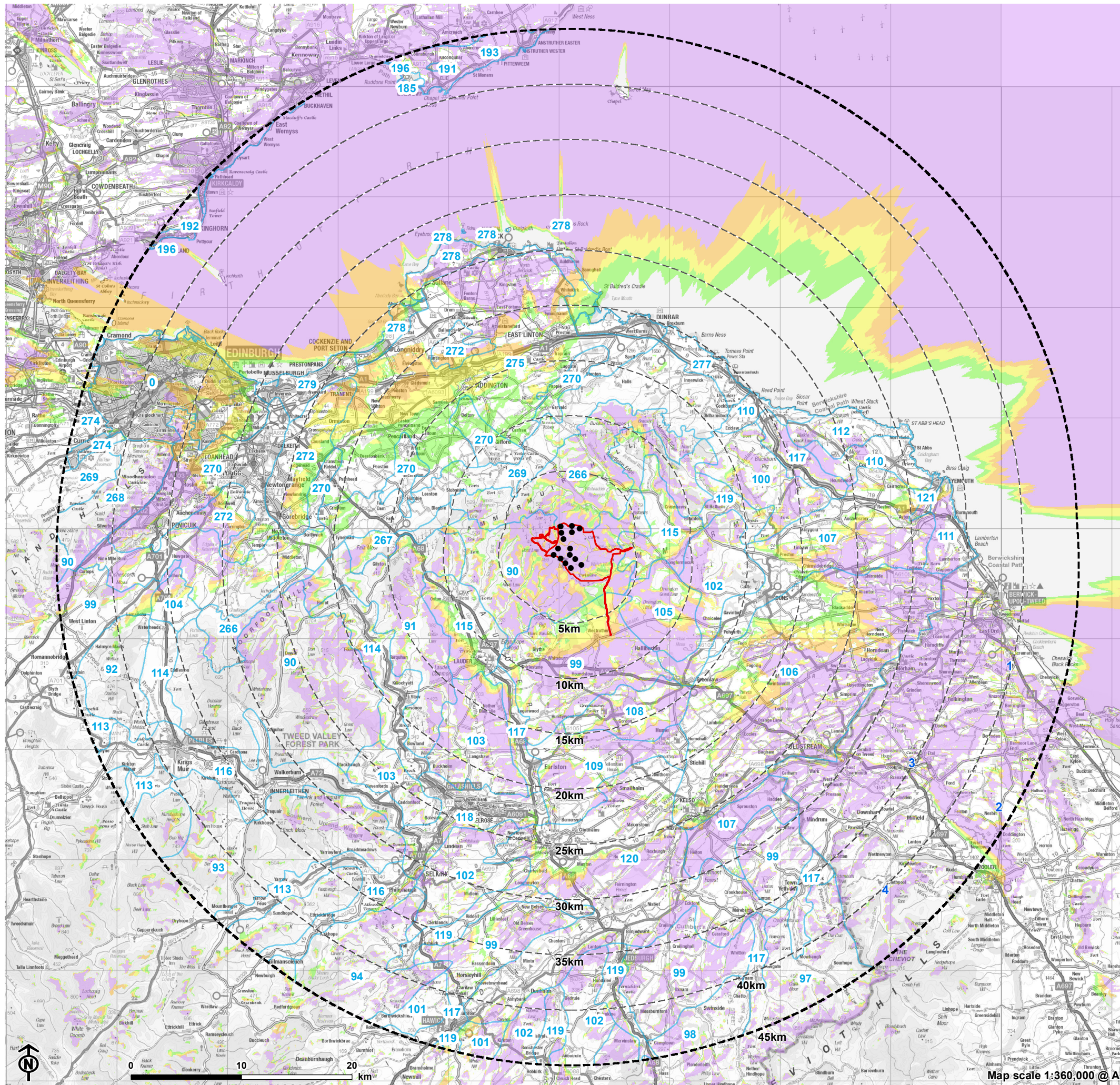


Figure 4.1.5: Landscape Character Types with Blade Tip Height (220m) Zone of Theoretical Visibility (ZTV)



- Turbine
  - ▭ Site Boundary
  - ⋯ 5km intervals from outermost turbines
  - ⋯ LVIA study area 45km from outermost turbines
  - ▭ Landscape Character Types - NatureScot 2019
- |  |  |
|--|--|
| 0: Urban   | 116: Upland Valley with Woodland         |
| 90: Dissected Plateau Moorland                       | 117: Pastoral Upland Fringe Valley       |
| 91: Plateau Grassland - Borders                      | 118: Settled Upland Fringe Valley        |
| 92: Plateau Outliers                                 | 119: Wooded Upland Fringe Valley         |
| 93: Southern Uplands with Scattered Forest - Borders | 120: Lowland Valley with Farmland        |
| 94: Rolling Moorland                                 | 121: Coastal Valley                      |
| 95: Southern Uplands - Borders                       | 185: Pronounced Hills and Crags          |
| 97: Rugged Uplands - Borders                         | 187: Lowland Open Sloping Farmland       |
| 98: Rolling Foothills                                | 188: Lowland Dens                        |
| 99: Rolling Farmland - Borders                       | 191: Lowland Loch Basins - Fife          |
| 100: Plateau Farmland - Borders                      | 192: Coastal Hills - Fife                |
| 101: Rocky Upland Fringe                             | 193: Coastal Terraces - Fife             |
| 102: Upland Fringe with Prominent Hills              | 194: Coastal Cliffs                      |
| 103: Undulating Upland Fringe                        | 196: Coastal Flats - Fife                |
| 104: Upland Fringe Rough Grassland                   | 266: Plateau Moorland - Lothians         |
| 105: Upland Fringe Moorland with Hills               | 267: Plateau Grassland - Lothians        |
| 106: Lowland with Drumlins                           | 268: Upland Hills - Lothians             |
| 107: Rolling Lowland Margin                          | 269: Upland Fringes - Lothians           |
| 108: Lowland Margin                                  | 270: Lowland River Valleys - Lothians    |
| 109: Lowland Margin with Hills                       | 272: Lowland Hills and Ridges - Lothians |
| 110: Coastal Farmland - Borders                      | 274: Lowland Plain                       |
| 111: Coastal Pasture                                 | 275: Lowland Farmed Plain - Lothians     |
| 112: Coastal Moorland - Borders                      | 277: Coastal Margins - Lothians          |
| 113: Upland Valley with Pastoral Floor               | 278: Coastal Terrace - Lothians          |
| 114: Pastoral Upland Valley                          | 279: Settled Coastal Farmland            |
| 115: Upland Valley with Mixed Farmland               | 280: Coastal Farmland - Lothians         |

**National Character Areas (Natural England)**

- 1: North Northumberland Coastal Plain
- 2: Northumberland Sandstone Hills
- 3: Cheviot Fringe
- 4: Cheviots

**Theoretical blade tip visibility (220m)**

- 1-4 turbines visible
- 5-8 turbines visible
- 9-12 turbines visible
- 13-15 turbines visible

**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.