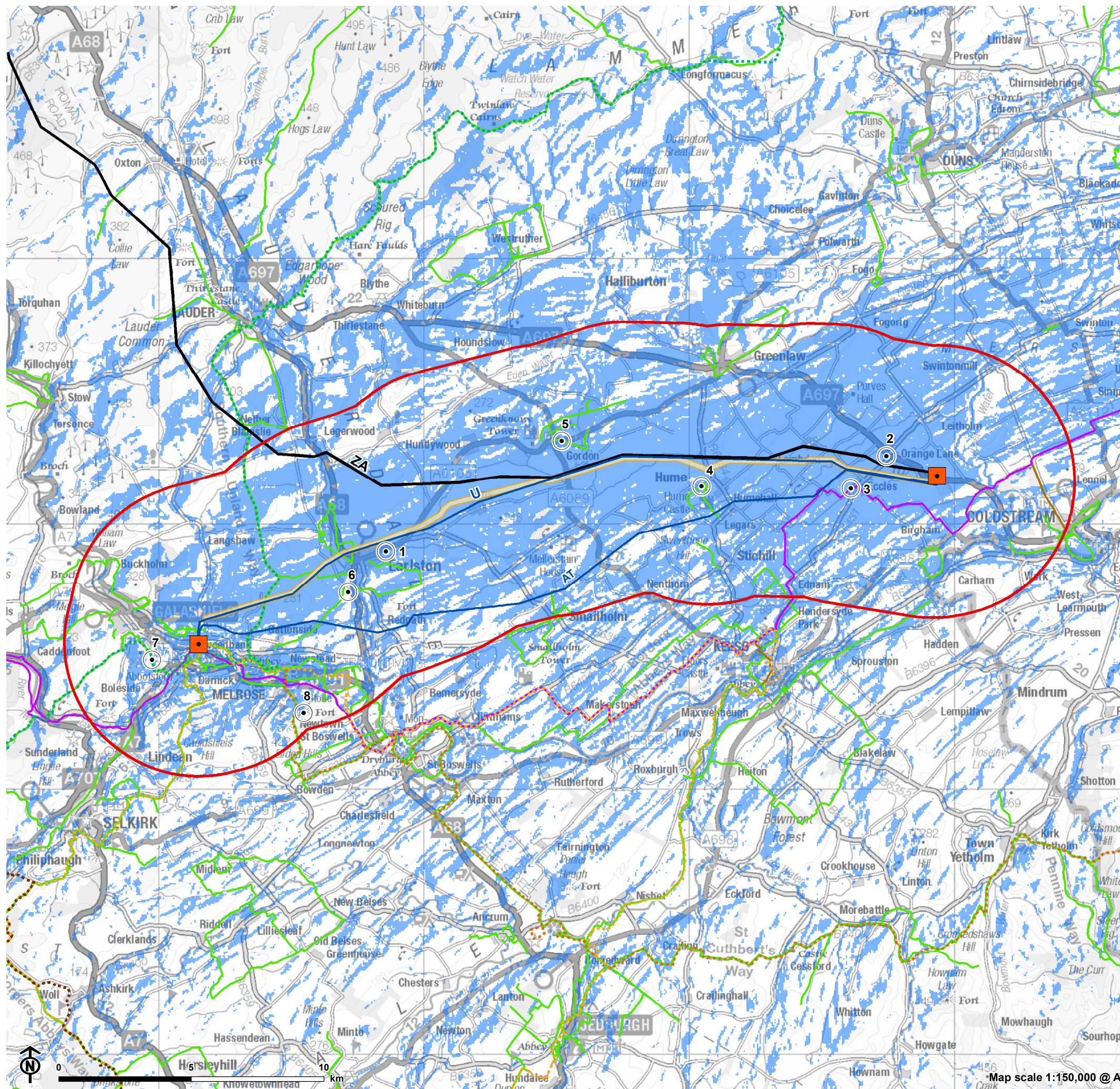


Figure 4.1: Zone of Theoretical Visibility (ZTV) and Proposed Viewpoint Locations



- 5km study area
- Proposed new OHL route
- Substation
- 132kV overhead line
- 400kV overhead line
- Overhead line towers theoretically visible
- Borders Abbeys Way
- Cross Borders Drove Road
- Southern Upland Way
- St Cuthbert's Way
- National Cycle Network (NCN)
- NCN Link
- Core path (indicative)
- Viewpoint

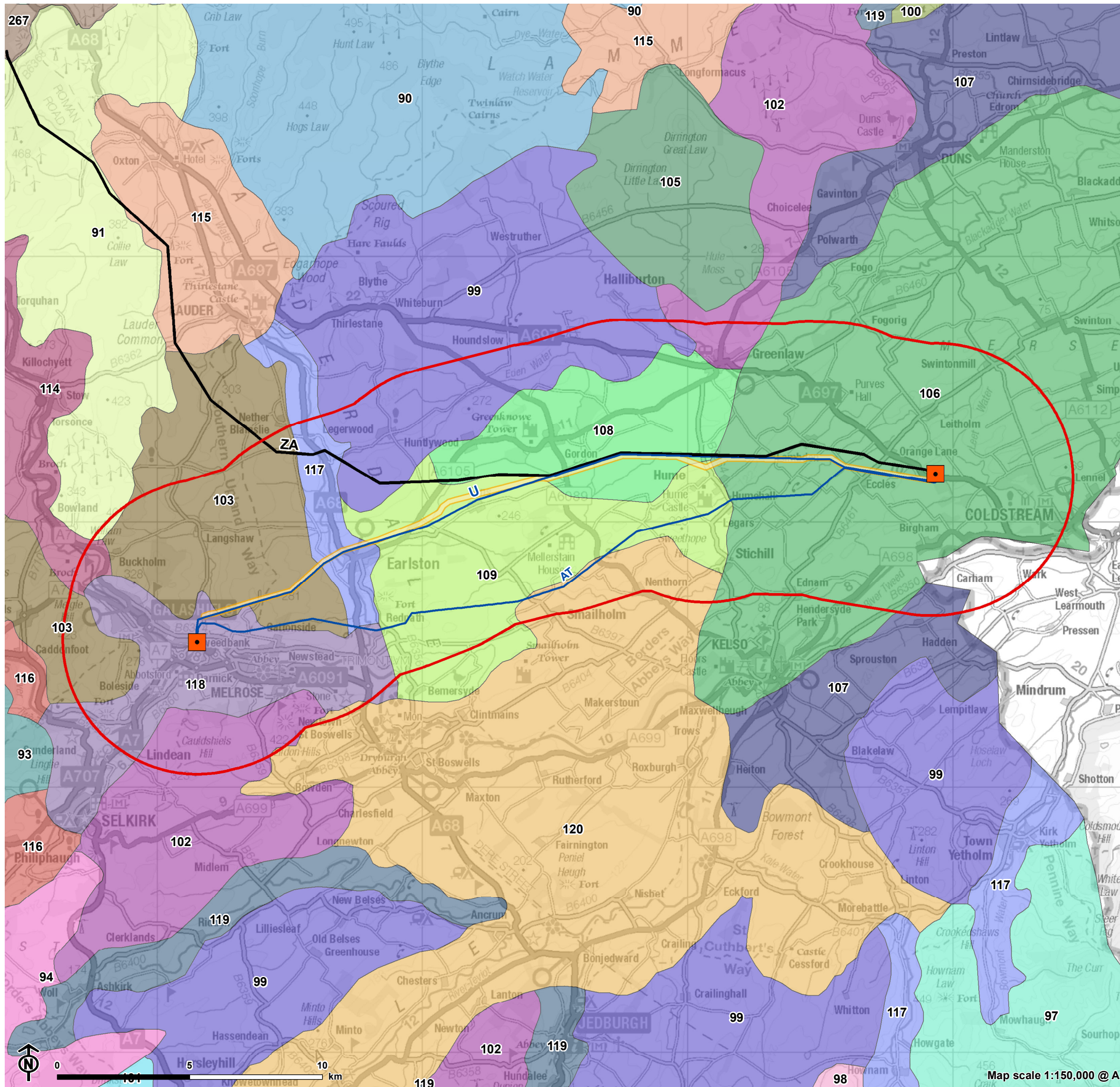
- 1: A6105, Earliston
- 2: A697, Orange Lane
- 3: B6461, Eccles
- 4: Hume Castle
- 5: A6105, Gordon
- 6: A68, near Earliston
- 7: Southern Upland Way, near Gala Hill
- 8: Eildon Hill North

The ZTV is calculated to tower height (22-38m) 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 July 2019). Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcMap 10.8.1 software.

Map scale 1:150,000 @ A3



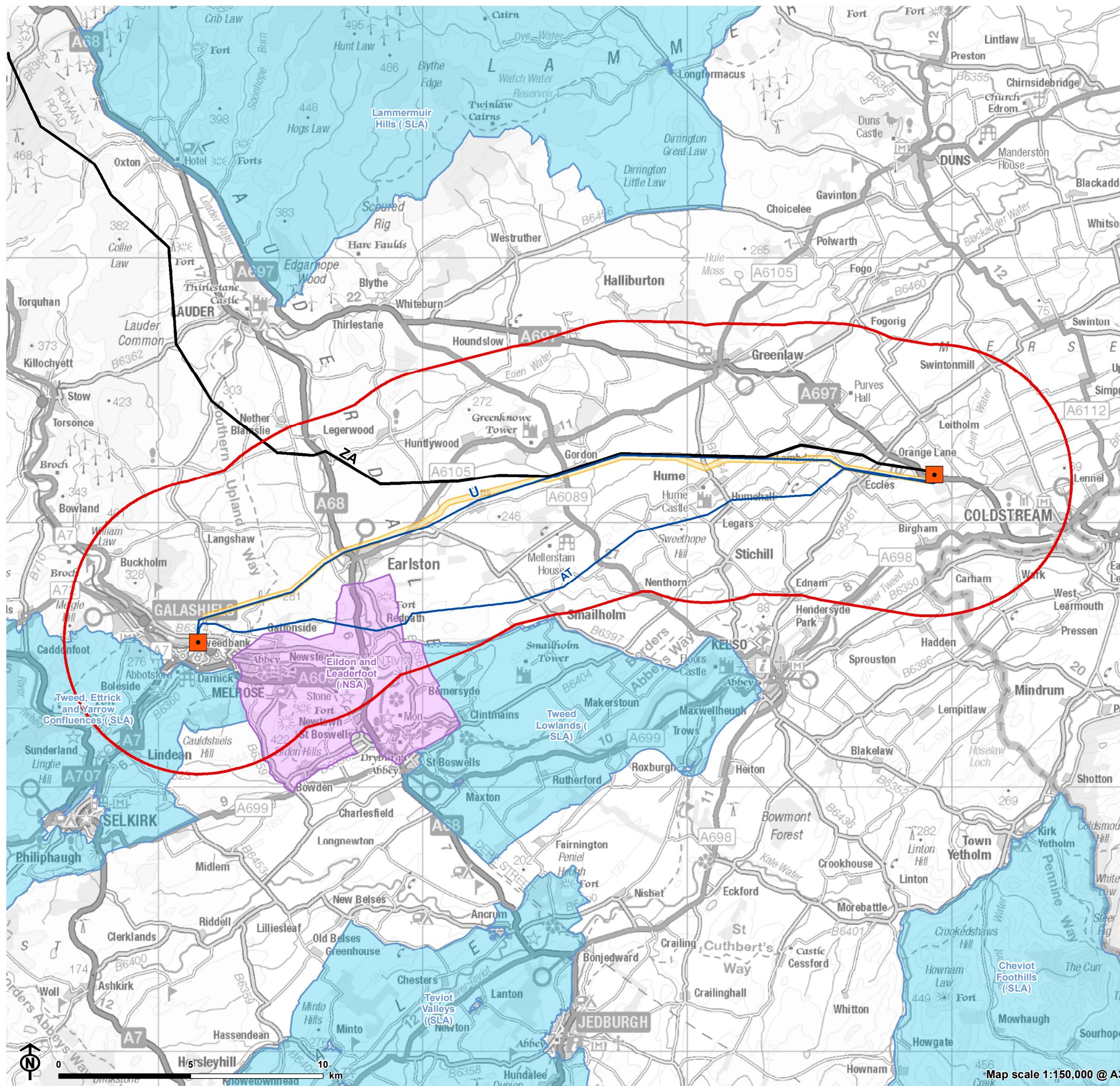
Figure 4.2: Landscape Character Types



- 5km study area
  - Proposed new OHL route
  - Substation
  - 132kV overhead line
  - 400kV overhead line
- Landscape Character Type (NatureScot, 2019)**
- 90: Dissected Plateau Moorland
  - 91: Plateau Grassland - Borders
  - 93: Southern Uplands with Scattered Forest - Borders
  - 94: Rolling Moorland
  - 97: Rugged Uplands - Borders
  - 98: Rolling Foothills
  - 99: Rolling Farmland - Borders
  - 100: Plateau Farmland - Borders
  - 101: Rocky Upland Fringe
  - 102: Upland Fringe with Prominent Hills
  - 103: Undulating Upland Fringe
  - 105: Upland Fringe Moorland with Hills
  - 106: Lowland with Drumlins
  - 107: Rolling Lowland Margin
  - 108: Lowland Margin
  - 109: Lowland Margin with Hills
  - 114: Pastoral Upland Valley
  - 115: Upland Valley with Mixed Farmland
  - 116: Upland Valley with Woodland
  - 117: Pastoral Upland Fringe Valley
  - 118: Settled Upland Fringe Valley
  - 119: Wooded Upland Fringe Valley
  - 120: Lowland Valley with Farmland
  - 267: Plateau Grassland - Lothians
  - 269: Upland Fringes - Lothians



Figure 4.3: Designated Landscapes



- 5km study area
- Proposed new OHL route
- Substation
- 132kV overhead line
- 400kV overhead line
- National Scenic Area
- Special Landscape Area (indicative)