

# **Appendix B**

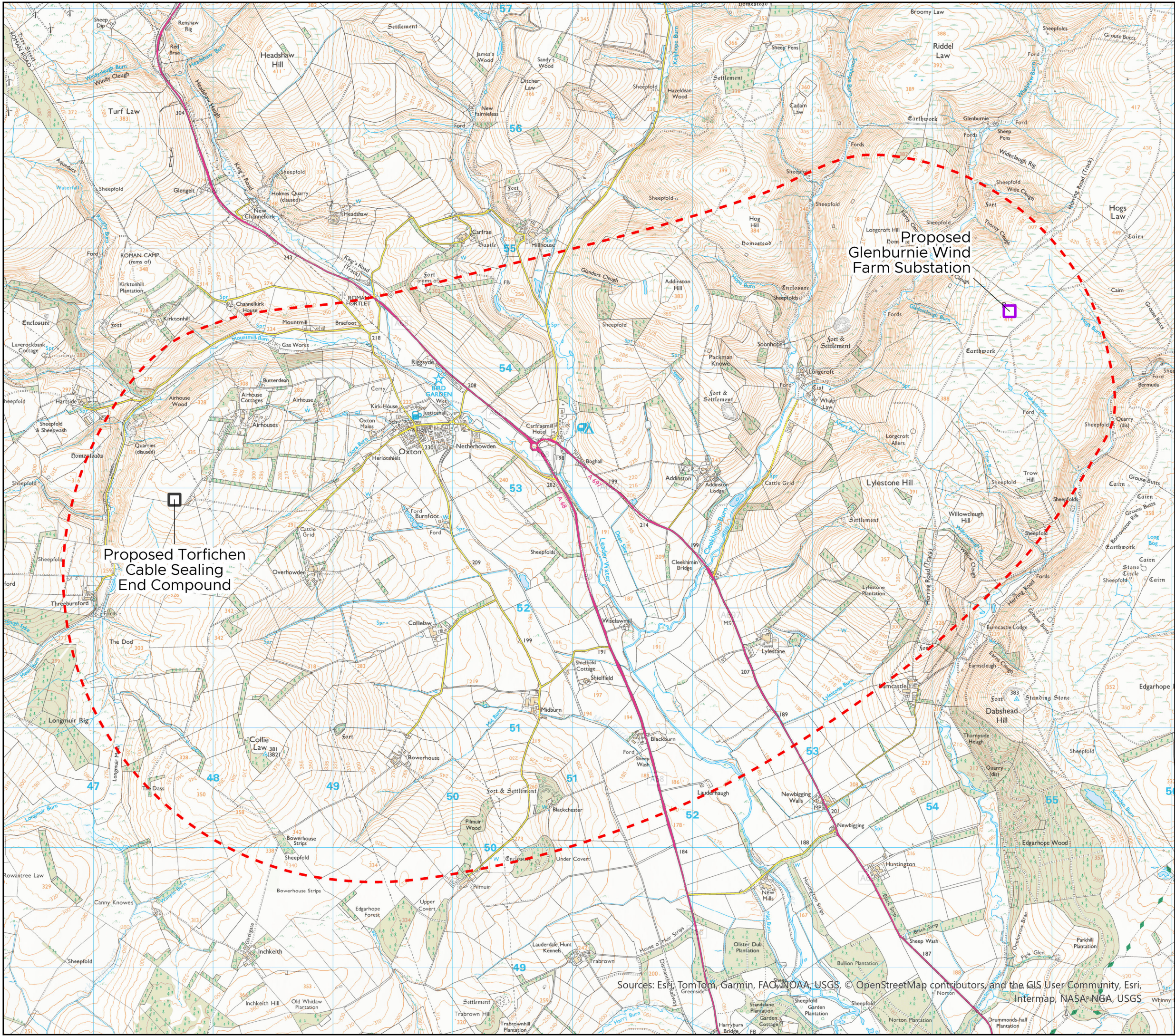
Figures

February 2026

## **Longcroft Wind Farm Connection Project**



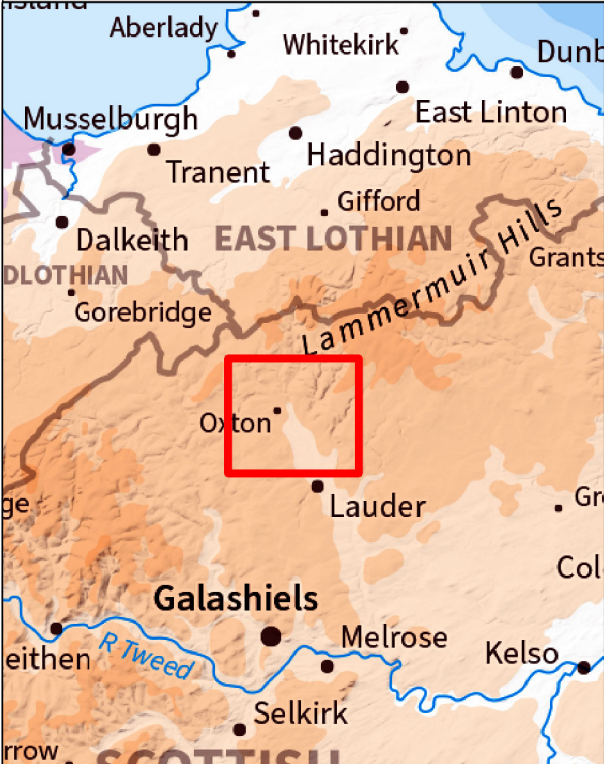




# Longcroft Wind Farm Grid Connection Project

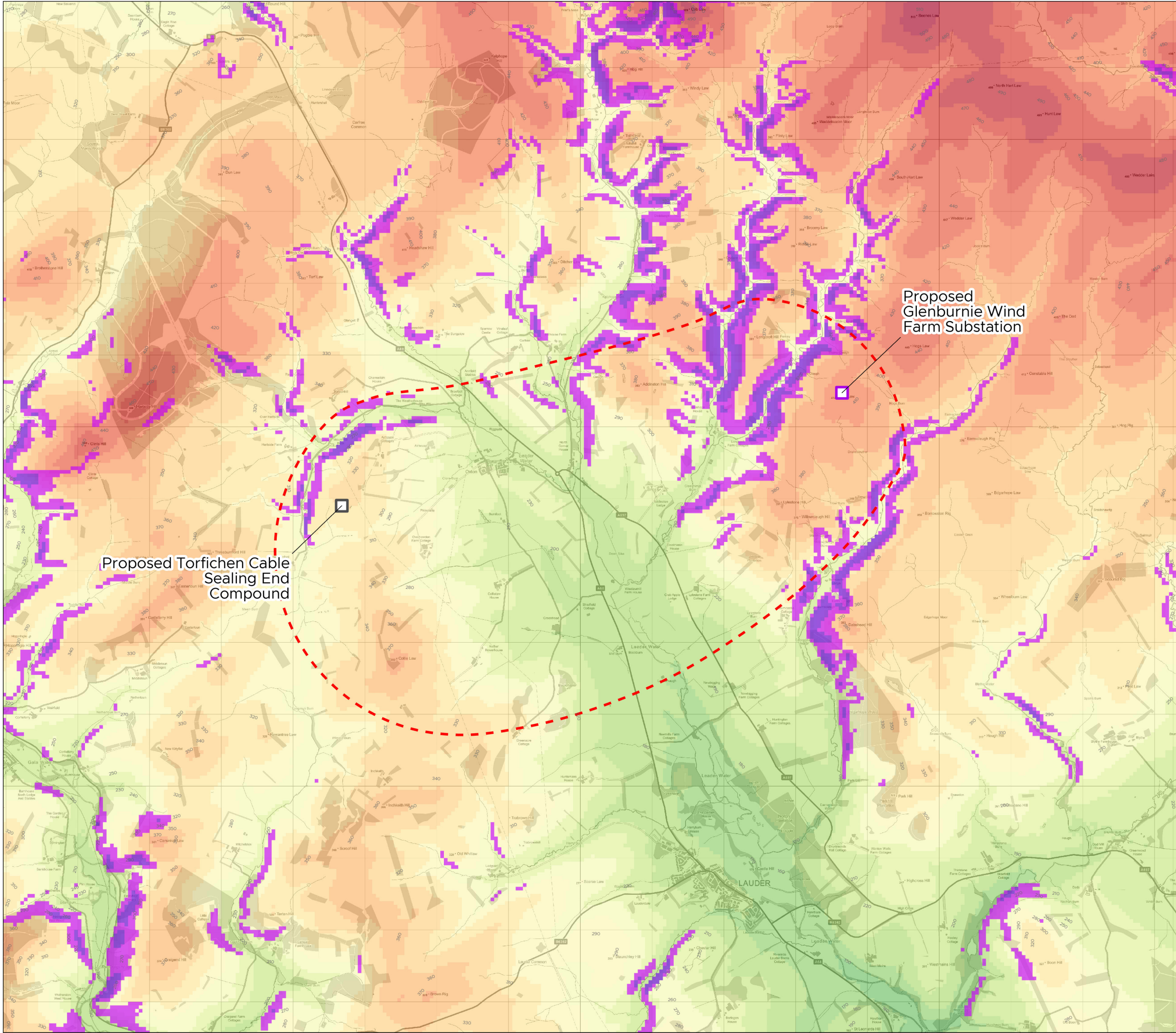
Figure 1- Proposed Location

- Key
- Study Area
  - Proposed Glenburnie Wind Farm Substation
  - Proposed Torfichen Cable Sealing End Compound



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Esri, Intermap, NASA, NGA, USGS





# Longcroft Wind Farm Grid Connection Project

Figure 2 - Topography

Key:

- Study Area
- Proposed Glenburnie Wind Farm Substation
- Proposed Torfichen Cable Sealing End Compound

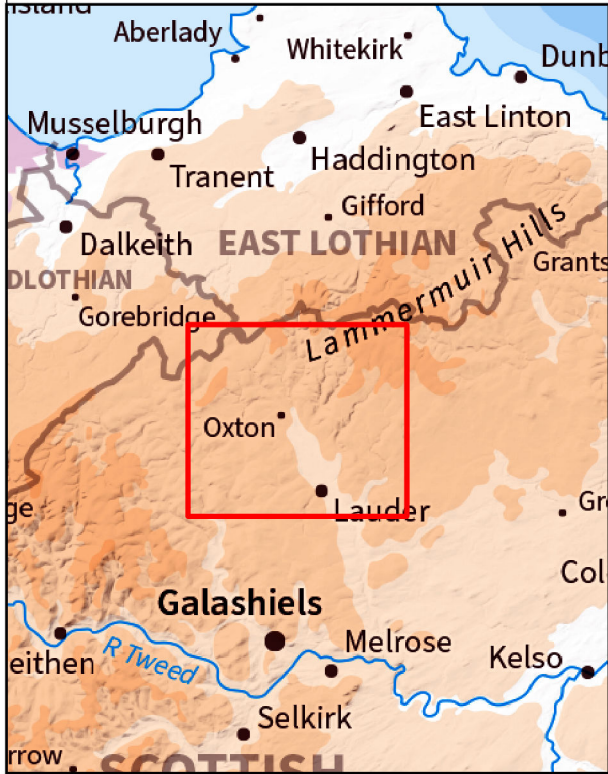
Terrain Elevation (maod)

- < 50
- 50 - 75
- 75 - 100
- 100 - 125
- 125 - 150
- 150 - 175
- 175 - 200
- 200 - 225
- 225 - 250
- 250 - 275

- 275 - 300
- 300 - 325
- 325 - 350
- 350 - 375
- 375 - 400
- 400 - 425
- 425 - 450
- 450 - 475
- 475 - 500
- > 500

Terrain Gradient

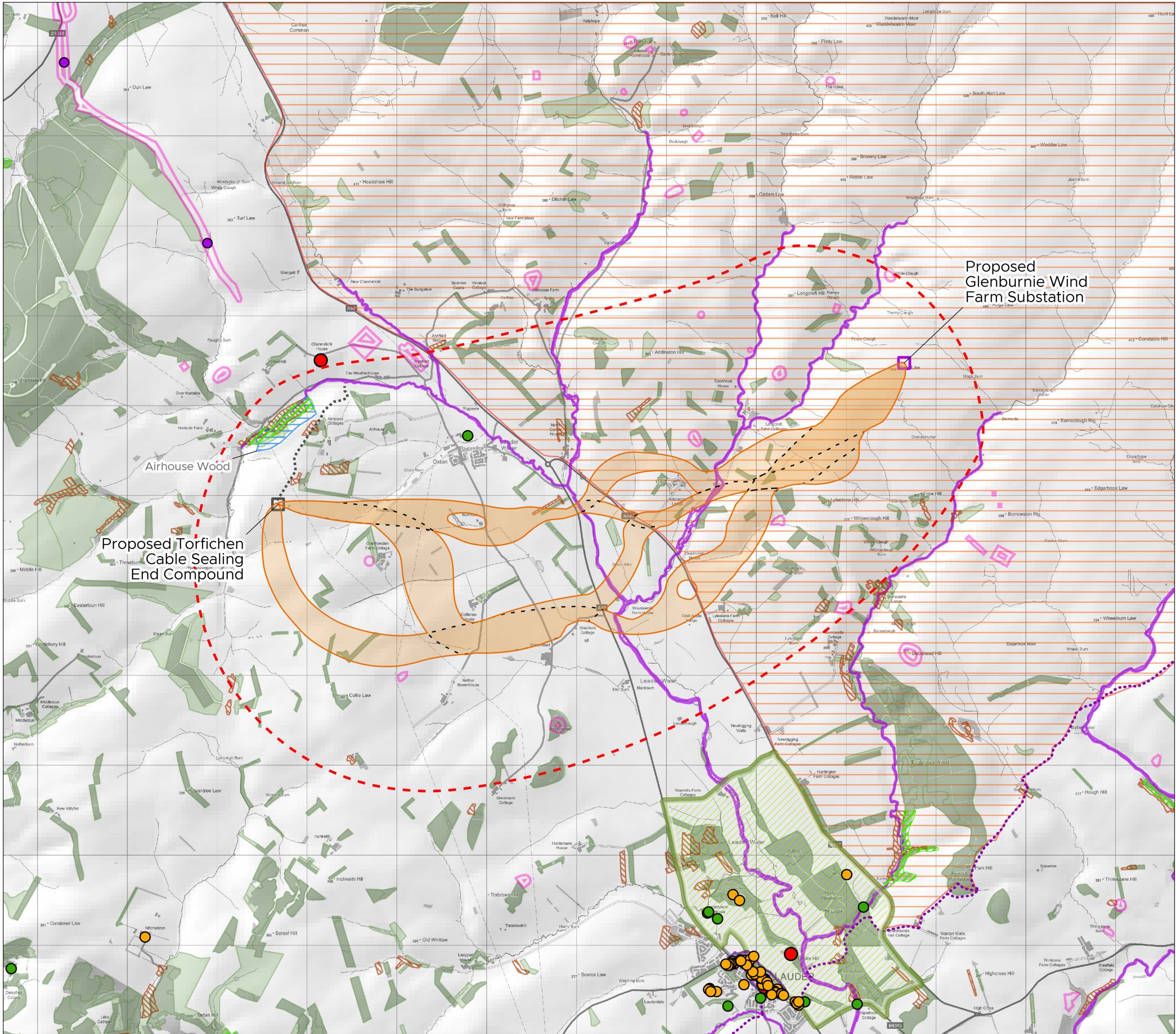
- 15 <
- Gradient < 22 degrees
- Gradient > 22 degrees



Gillespies







# Longcroft Wind Farm Grid Connection Project

Figure 3 - Routing Considerations and Route Options

Key:

Study Area

Proposed Glenburnie Wind Farm Substation

Proposed Torfichen Cable Sealing End Compound

Route Options 1- 4

OS VectorMap District Surface Water

OS Open GreenSpace Site

Special Landscape Areas

Southern Upland Way

Ancient Woodland (AWI)

Native Woodland (NWSS)

National Forest Inventory Woodland

Site of Special Scientific Interest

Special Areas of Conservation

Priority Peatland Habitats - Category 1

CULTURAL HERITAGE

Conservation Area

Scheduled Monument

Gardens and Designed Landscape

Properties in Care

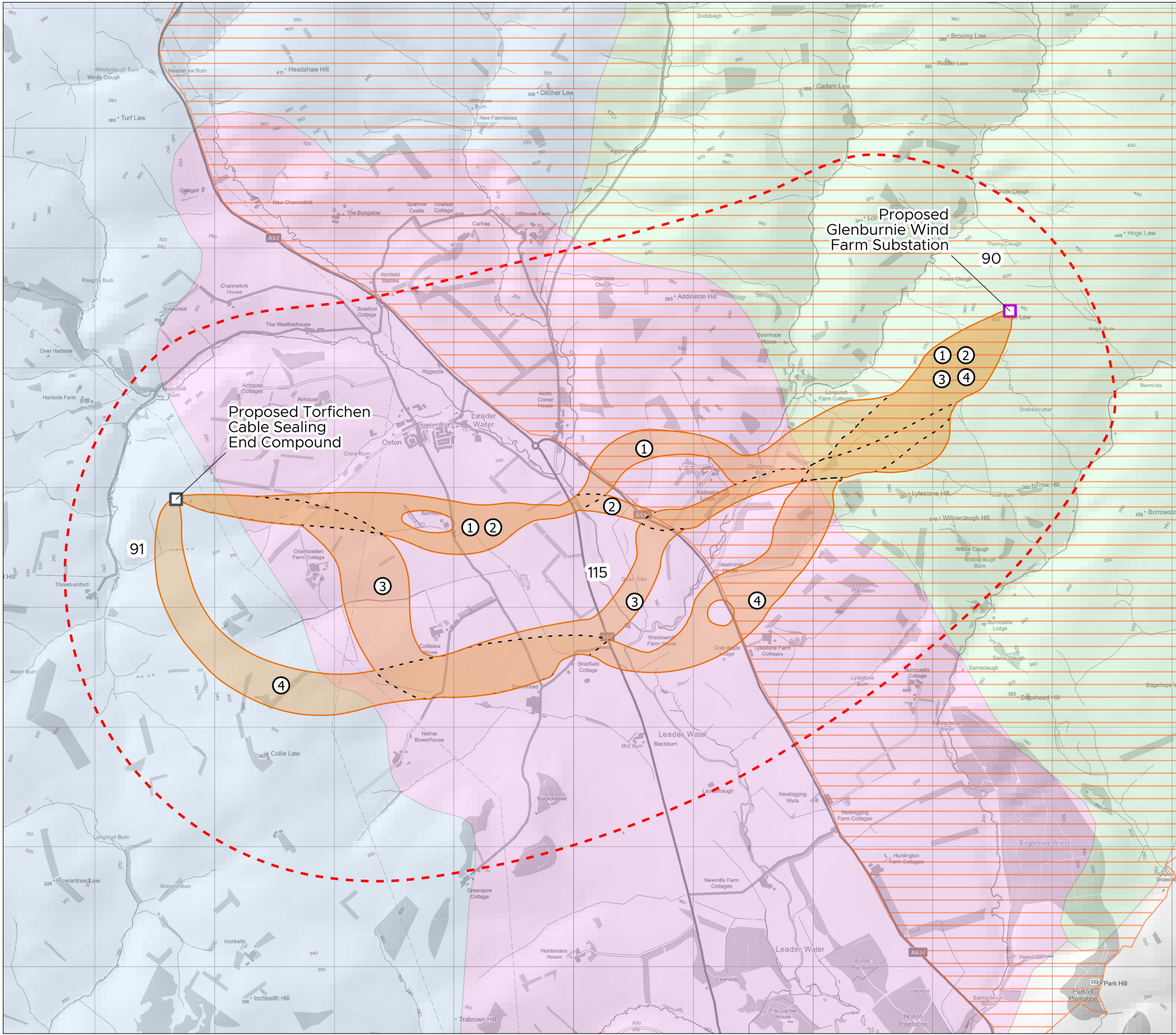
Category A

Category B

Category C







# Longcroft Wind Farm Grid Connection Project

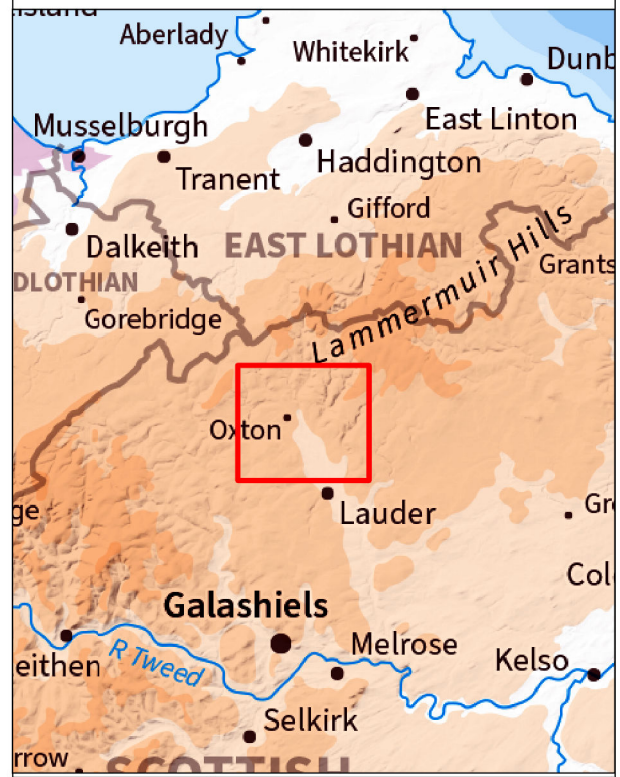
Figure 4 - Landscape Designations and Character

Key

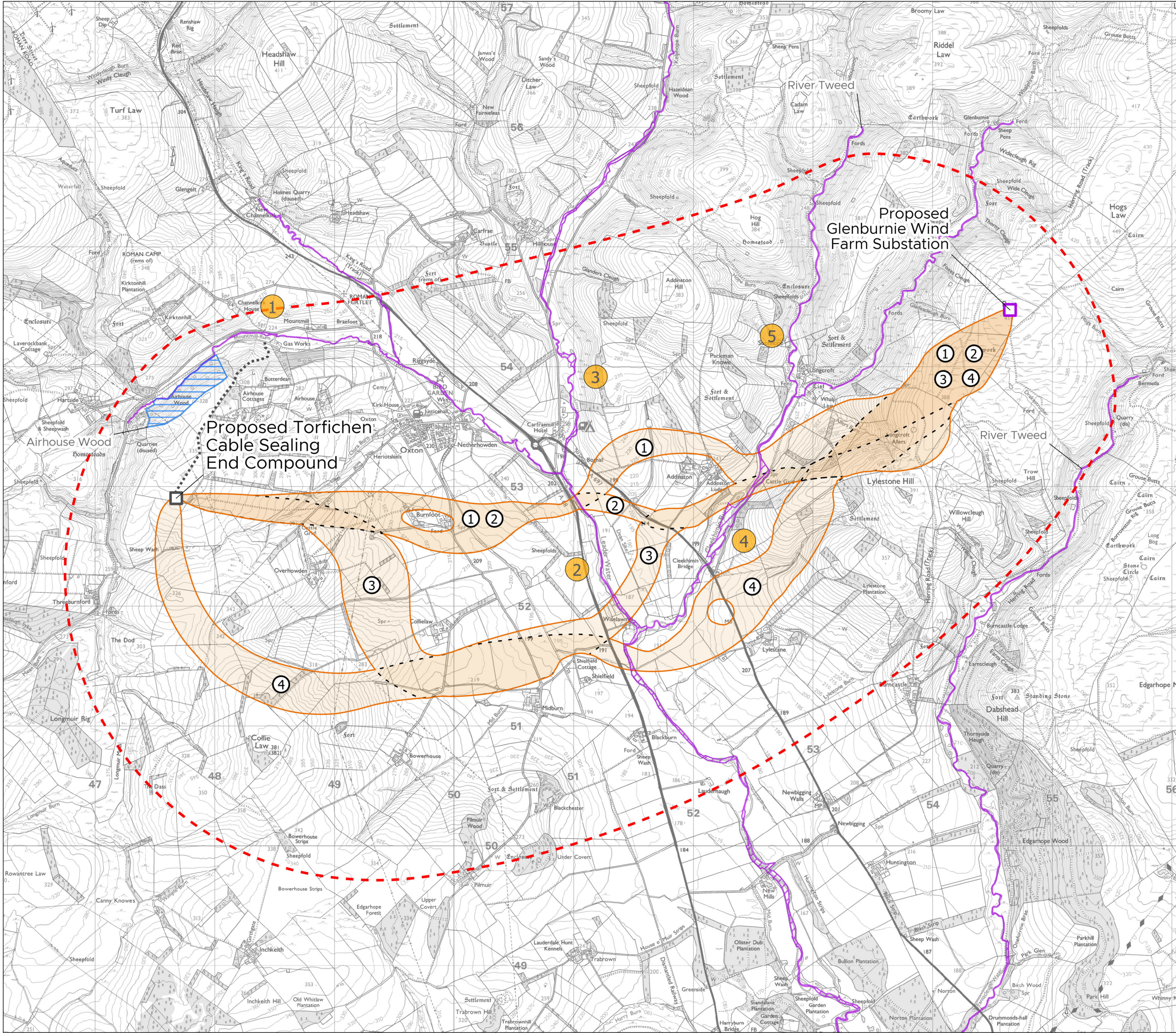
- Study Area
- Proposed Glenburnie Wind Farm Substation
- Proposed Torfichen Cable Sealing End Compound
- Route Options 1- 4
- Special Landscape Area

Landscape Character Types (Landscape Character Assessment SNH 2019)

- 115 - Upland Valley with Mixed Farmland
- 90 - Dissected Plateau Moorland
- 91 - Plateau Grassland - Borders







# Longcroft Wind Farm Grid Connection Project

Figure 5 - Biodiversity and Geological Conservation

Key:

- Study Area
- Proposed Glenburnie Wind Farm Substation
- Proposed Torfichen Cable Sealing End Compound
- Route Options 1-4

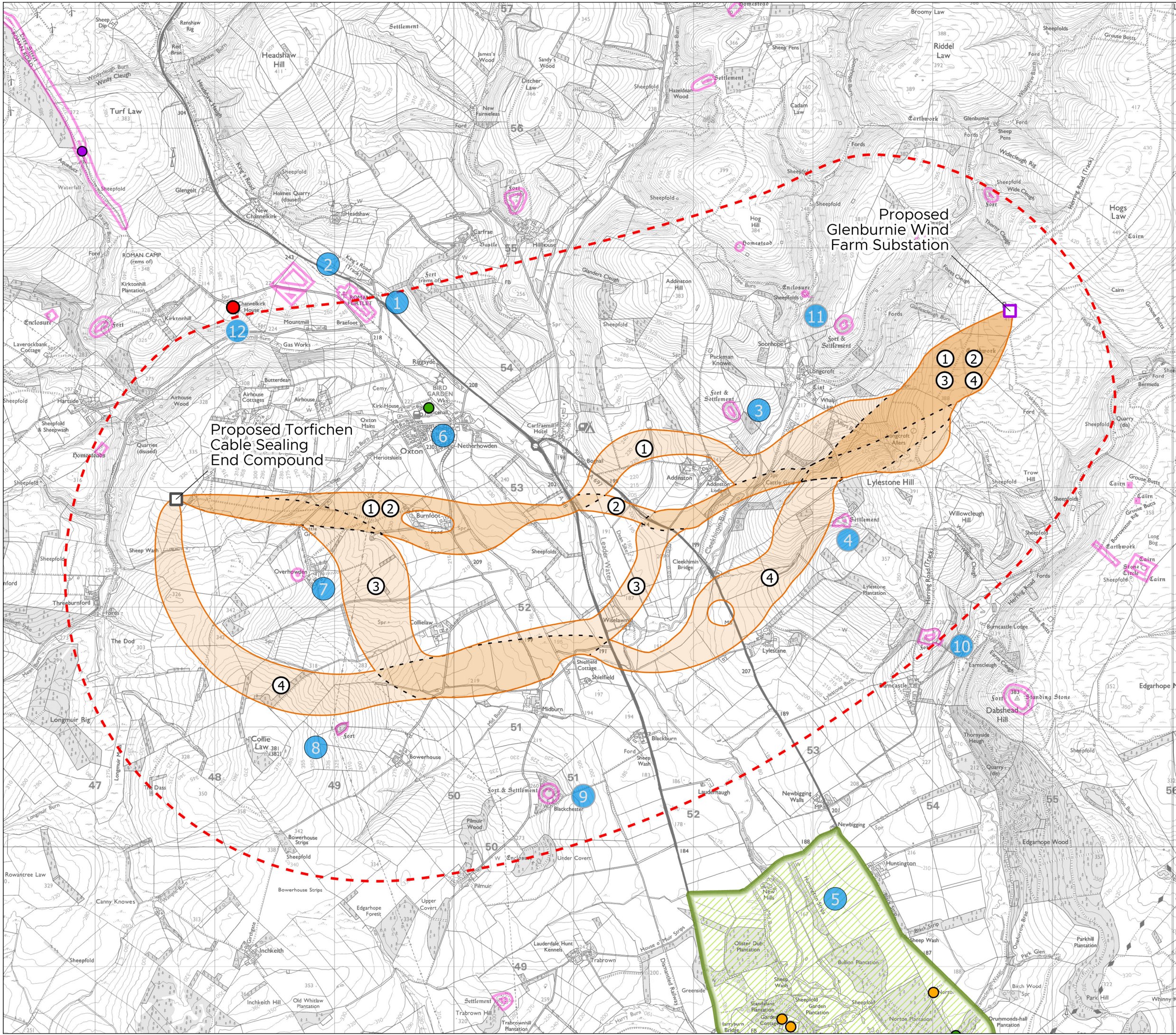
BIODIVERSITY AND GEOLOGICAL CONSERVATION

- Airhouse Wood Site of Special Scientific Interest (SSSI)
- Special Areas of Conservation (SAC)

- 1 The Mountmill Burn
- 2 The Leader Water
- 3 The Kelphope Burn
- 4 The Cleekhimin Burn
- 5 The Soonhope Burn







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Figure 6 - Archaeology and Cultural Heritage

Key:

Study Area

Proposed Glenburnie Wind Farm Substation

Proposed Torfichen Cable Sealing End Compound

Route Options 1-4

CULTURAL HERITAGE

Listed Building (LB)

Category A

Category B

Category C

Conservation Area

Scheduled Monument (SM)

Gardens and Designed Landscapes (GDL)

Properties in Care

1

Oxton Roman Fortlet (SM2837)

2

Oxton Roman Camps (SM4378)

3

Addinson, fort (SM362)

4

Lylestone, settlement (SM4557)

5

Thirlestane Castle (GDL)

6

Justicehall (LB1894)

7

Overhowden, henge (SM2155)

8

Bowerhouse, fort (SM365)

9

Blackchester, fort and settlement (SM364)

10

Burncastle, fort (SM4656)

11

Longcroft, fort (SM372)

12

Channelkirk Church (LB1893)

Gillespies

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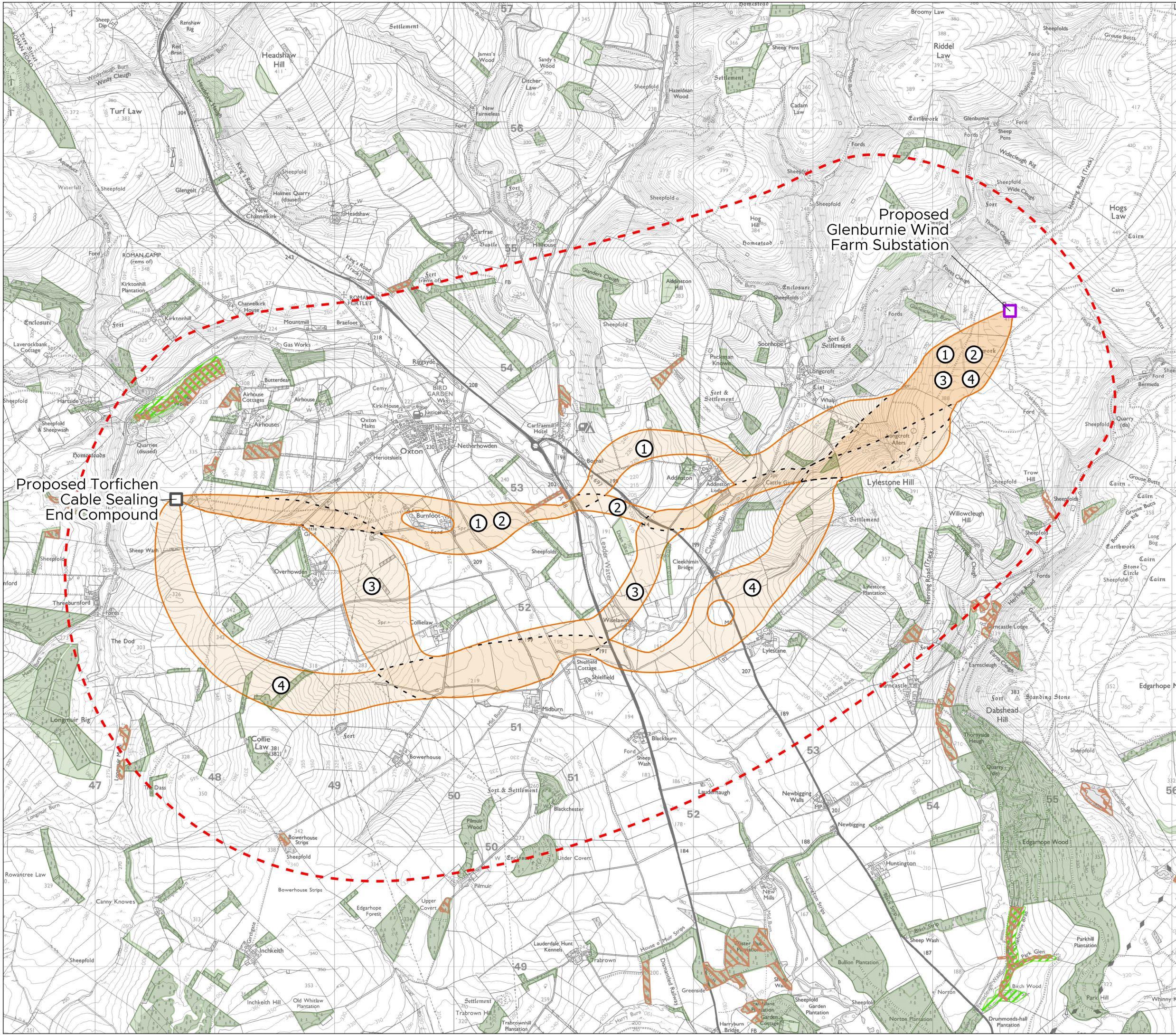


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Figure 7 - Trees and Woodland

Key:

- Study Area
- Proposed Glenburnie Wind Farm Substation
- Proposed Torfichen Cable Sealing End Compound
- Route Options 1-4
- Ancient Woodland (AWI)
- Native Woodland (NWSS)
- National Forest Inventory (NFI)

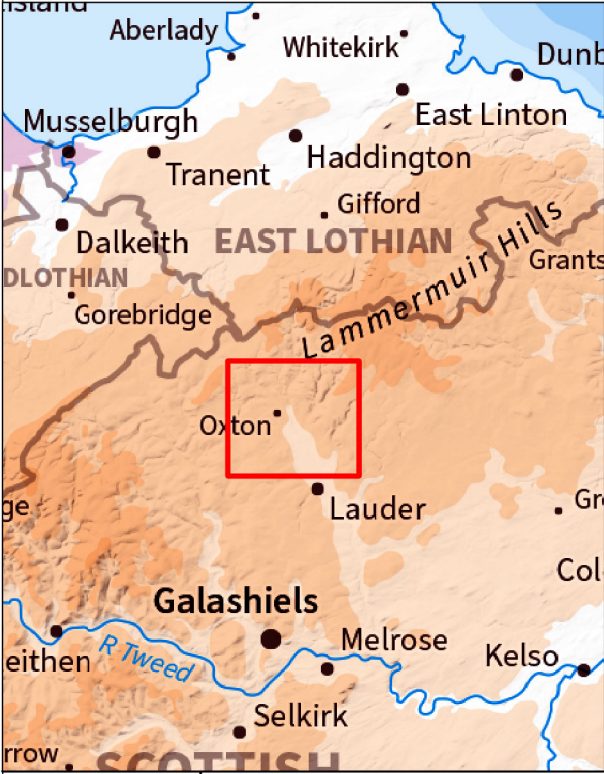
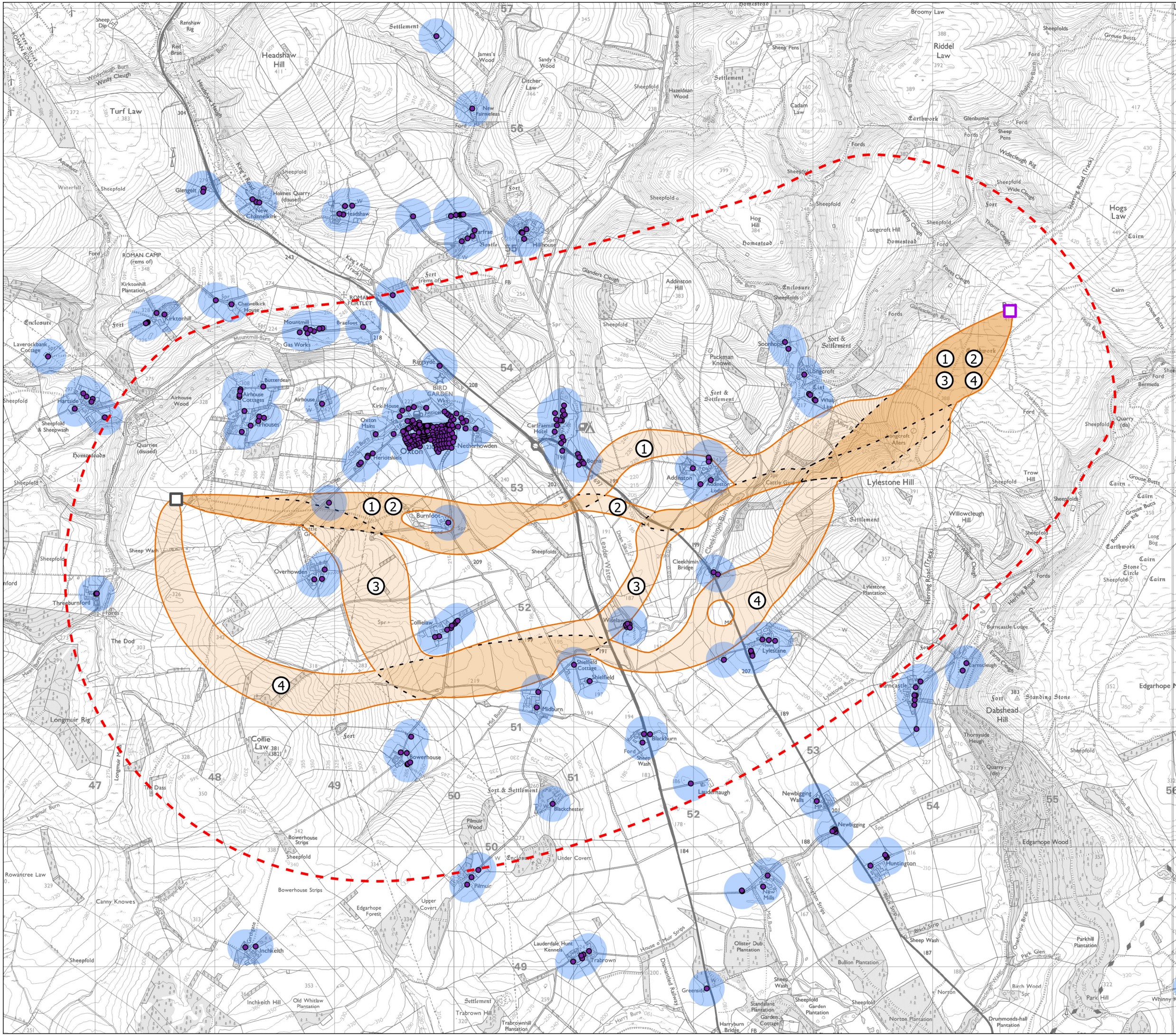




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Figure 8 - Visual Receptors

- Key:
- Study Area
  - Proposed Glenburnie Wind Farm Substation
  - Proposed Torfichen Cable Sealing End Compound
  - Route Options 1-4
  - Residential Property
  - Residential Property 150m Buffer





# Longcroft Wind Farm Grid Connection Project

Figure 9a - Flood Risk – Rivers

Key:

Study Area

Proposed Glenburnie Wind Farm Substation

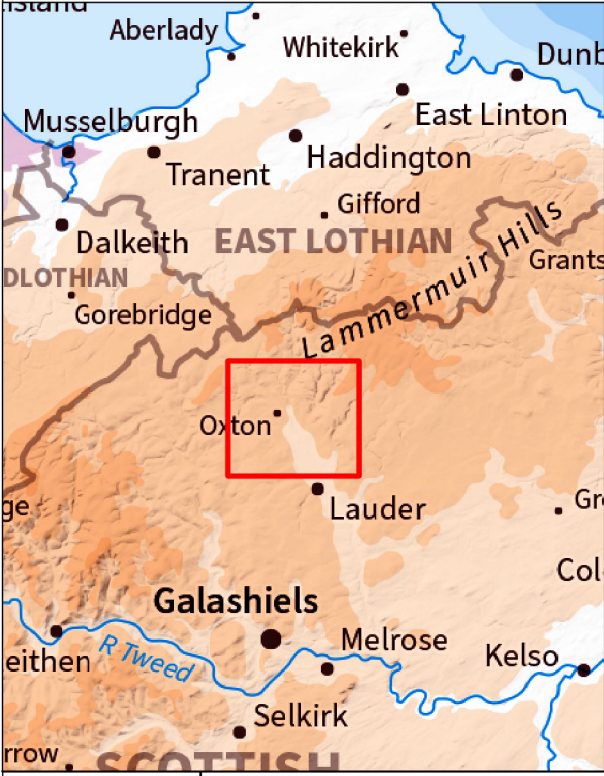
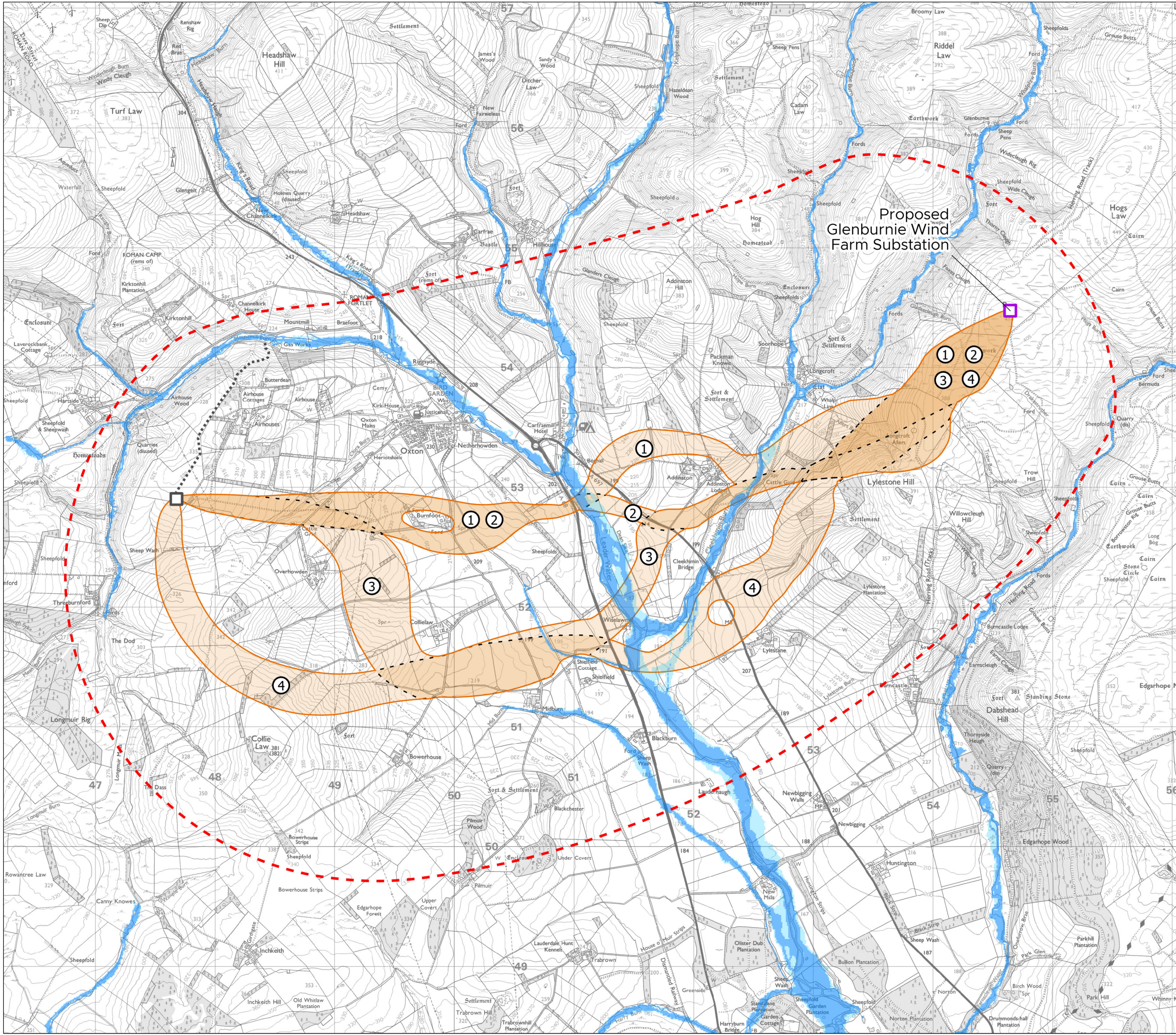
Proposed Torfichen Cable Sealing End Compound

Route Options 1-4

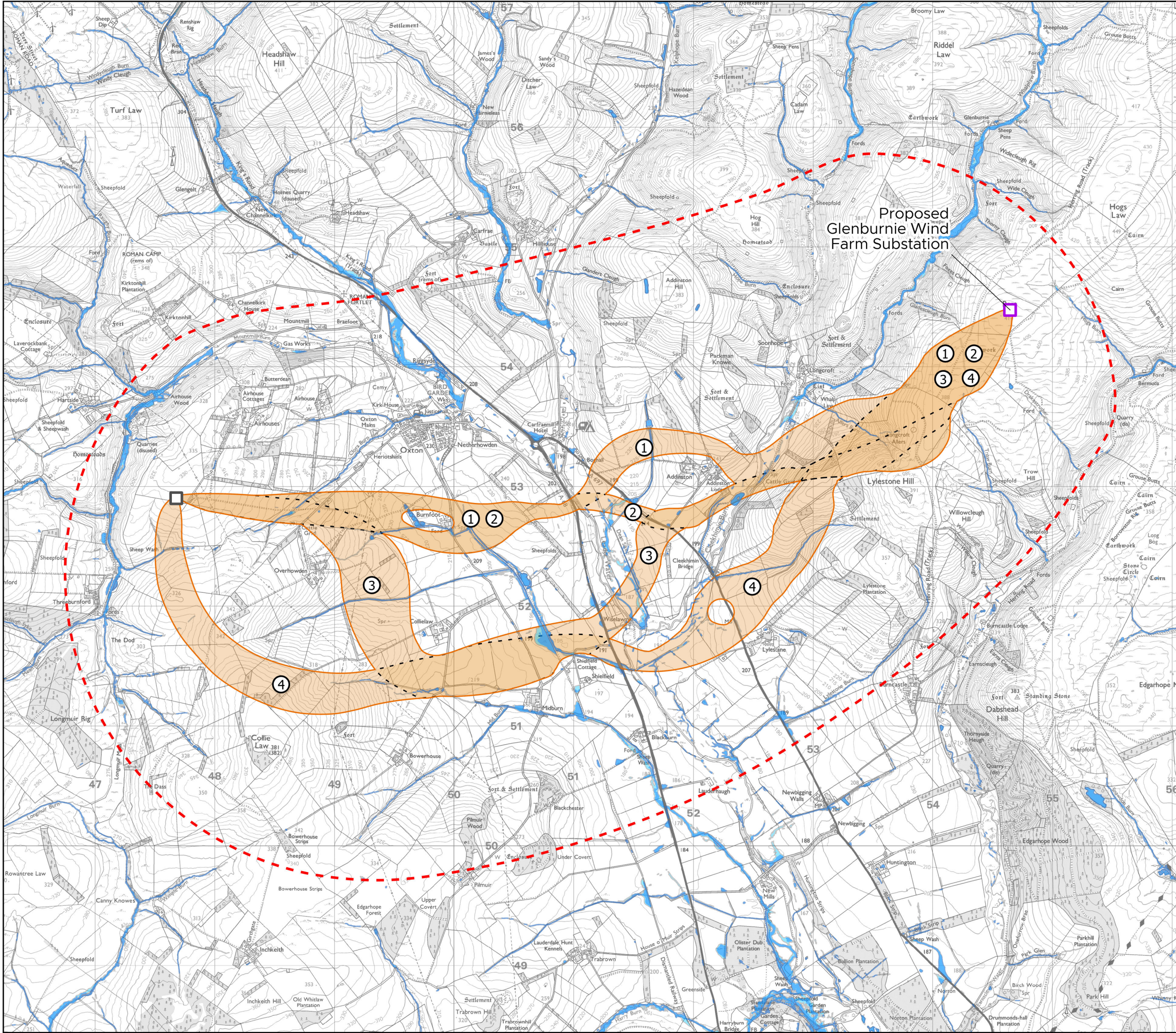
SEPA River Flooding Risk

High Likelihood - Each year this area has a 10% chance of flooding

Medium Likelihood - Each year this area has a 0.5% chance of flooding







# Longcroft Wind Farm Grid Connection Project

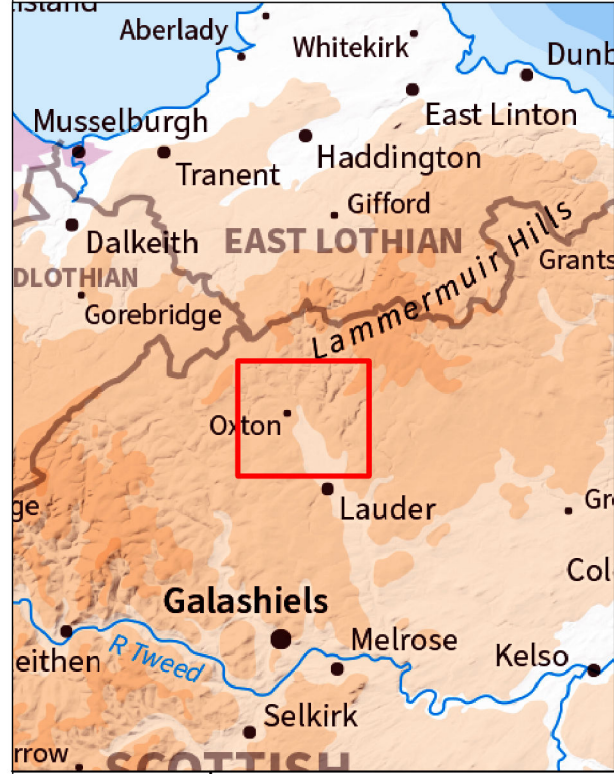
Figure 9b - Flood Risk – Surface Water and Small Watercourses

**Key**

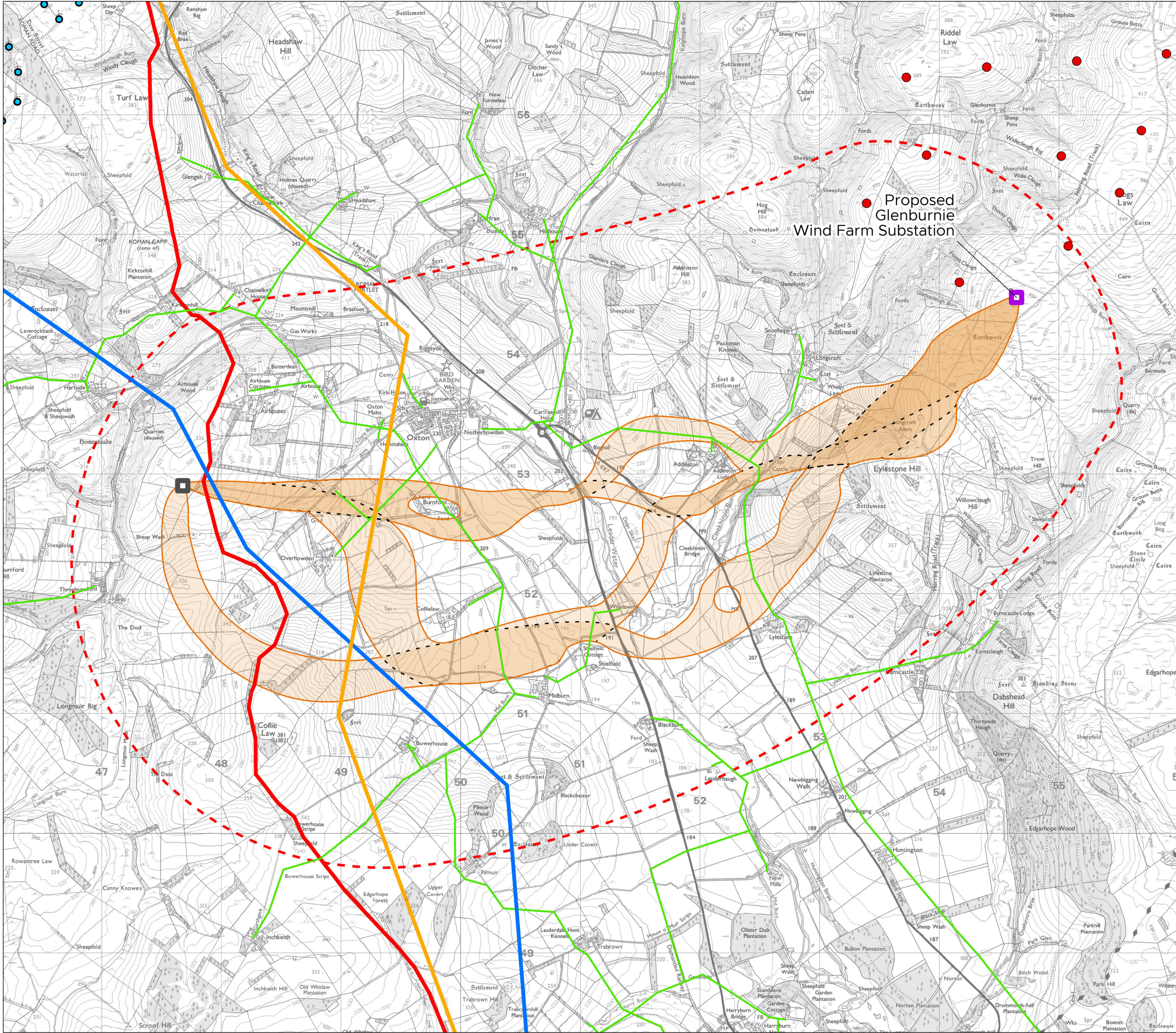
- Study Area
- Proposed Glenburnie Wind Farm Substation
- Proposed Torfichen Cable Sealing End Compound
- Route Options 1-4

SEPA Flood Risk - Surface Water and Small Watercourses

- High Likelihood - Each year this area has a 10% chance of flooding
- Medium Likelihood - Each year this area has a 0.5% chance of flooding



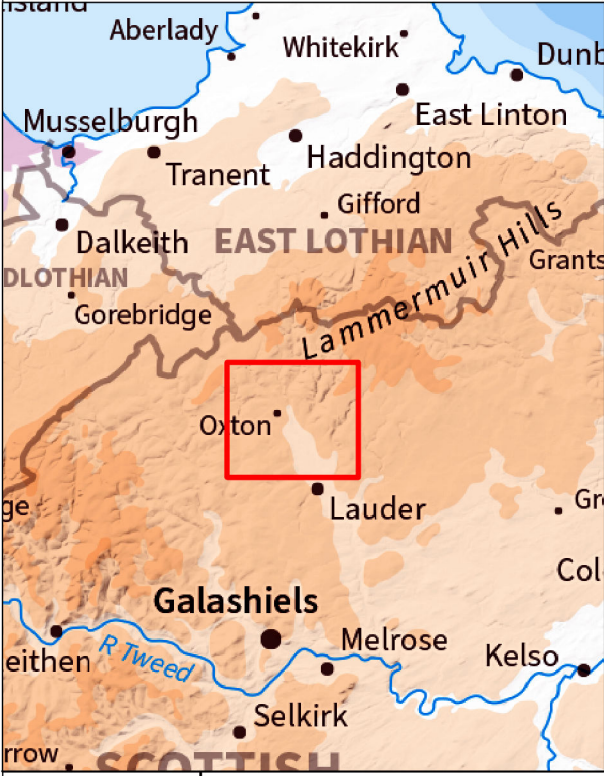




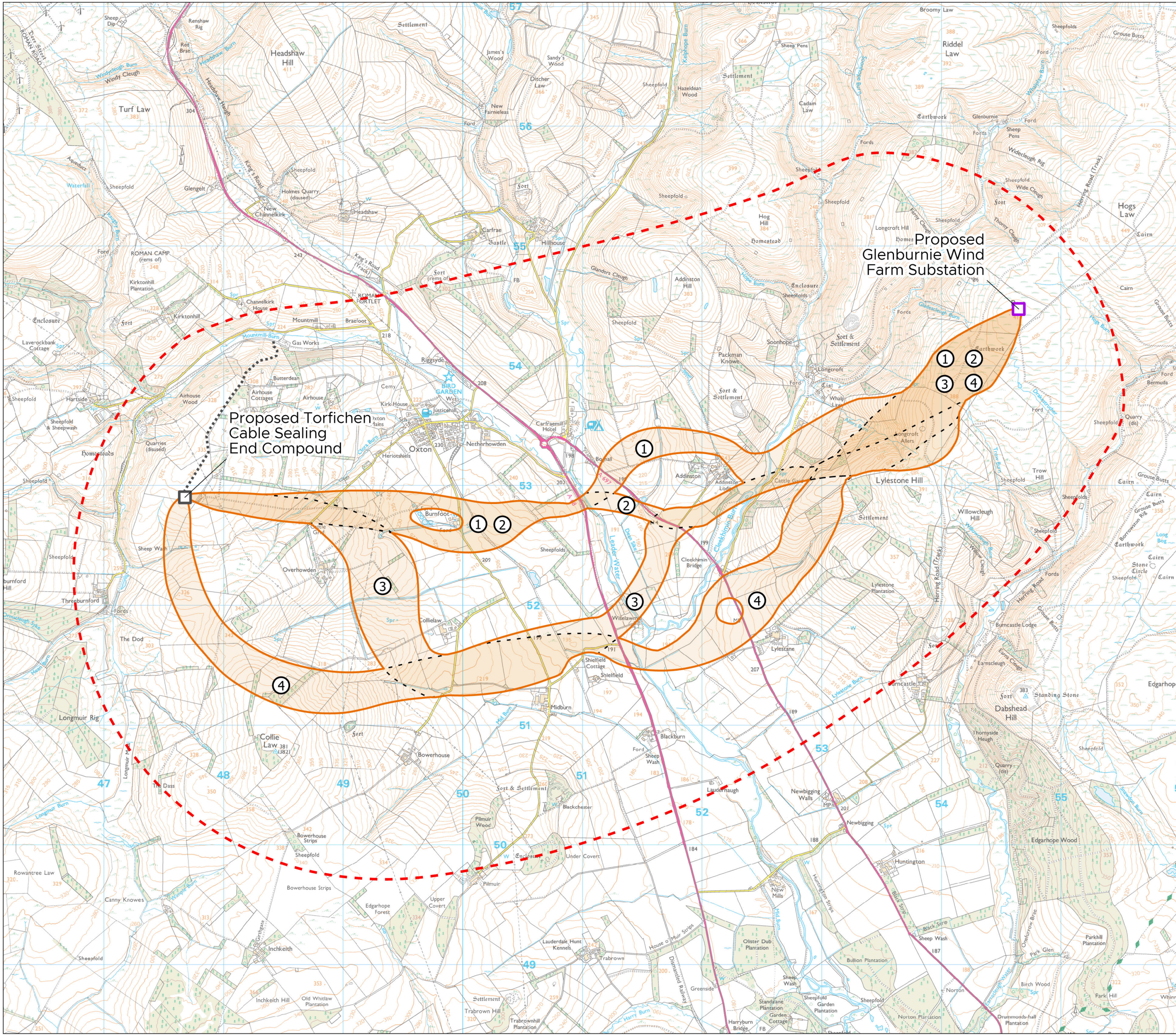
# Longcroft Wind Farm Grid Connection Project

Figure 10 - Land Use

- Key:
- Study Area
  - Proposed Glenburnie Wind Farm Substation
  - Proposed Torfichen Cable Sealing End Compound
  - Route Options 1- 4
  - Proposed Turbines
  - Existing Wind Turbines (OSM)
  - Existing 400 kV OHL ('ZA' Route)
  - Existing 132 kV OHL ('P' Route)
  - Existing 33 kV OHL
  - Existing Low-Voltage OHL







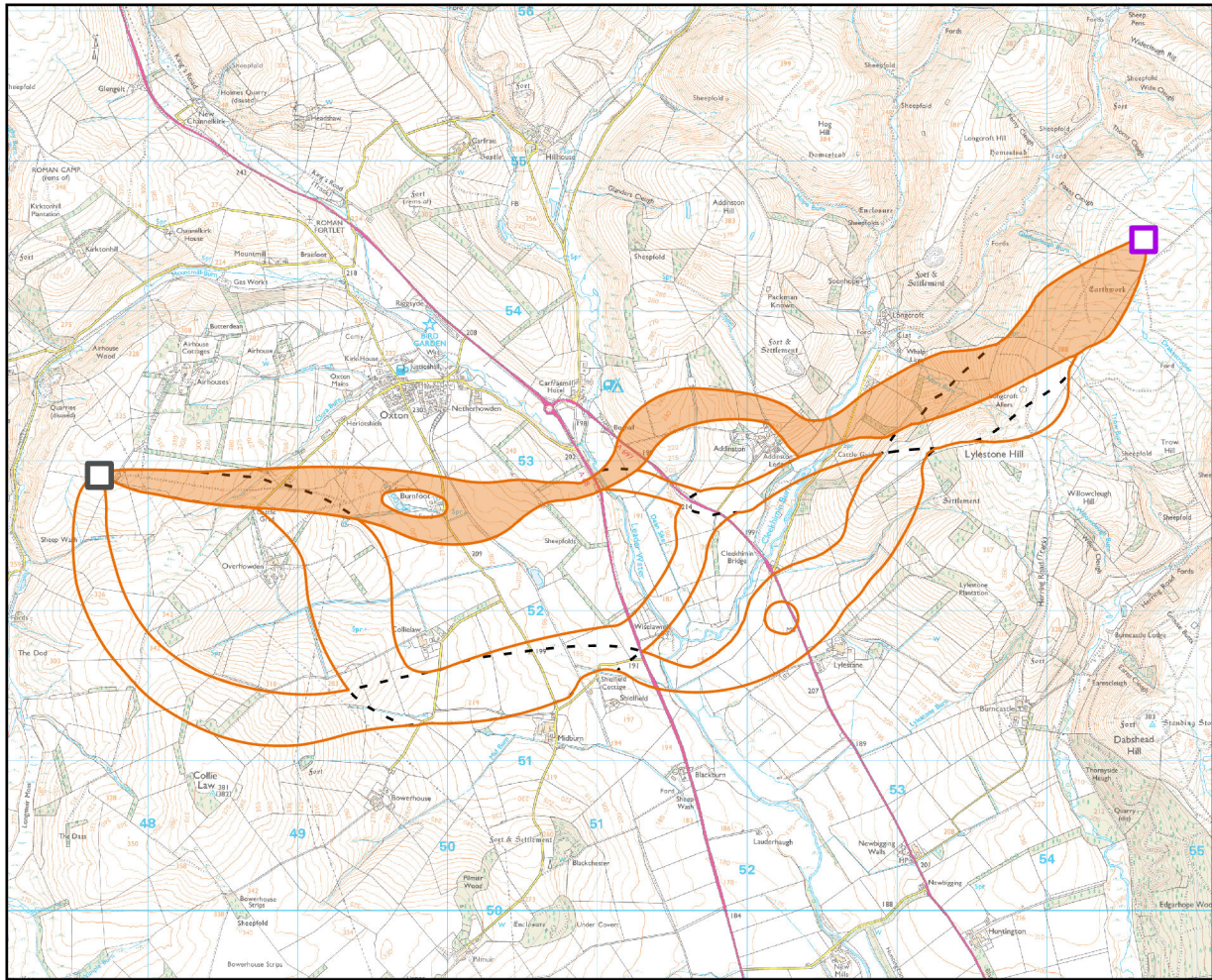
# Longcroft Wind Farm Grid Connection Project

Figure 11a - Route Options Combined

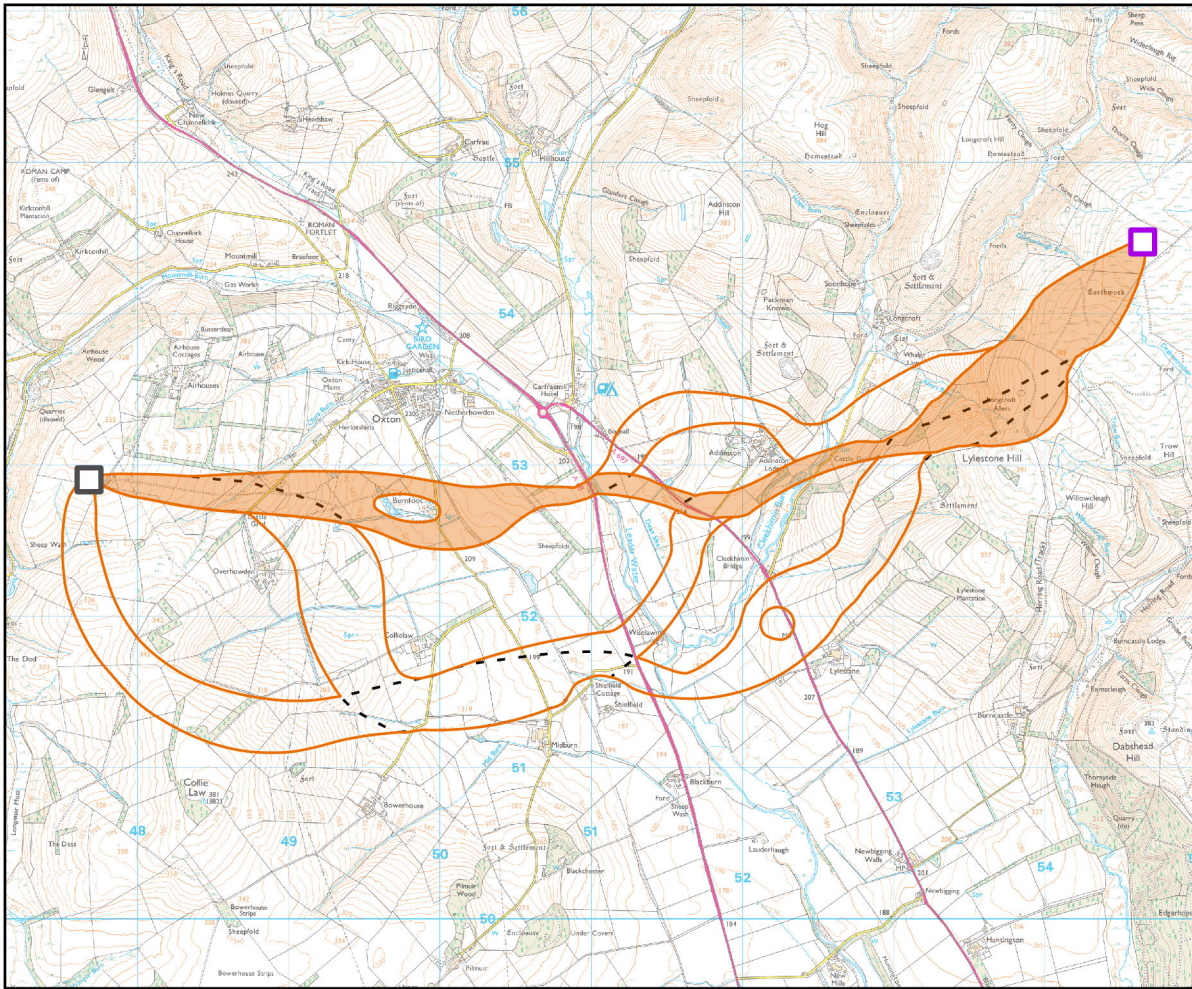
- Key:
- Study Area
  - Proposed Glenburnie Wind Farm Substation
  - Proposed Torfichen Cable Sealing End Compound
  - Route Options 1- 4



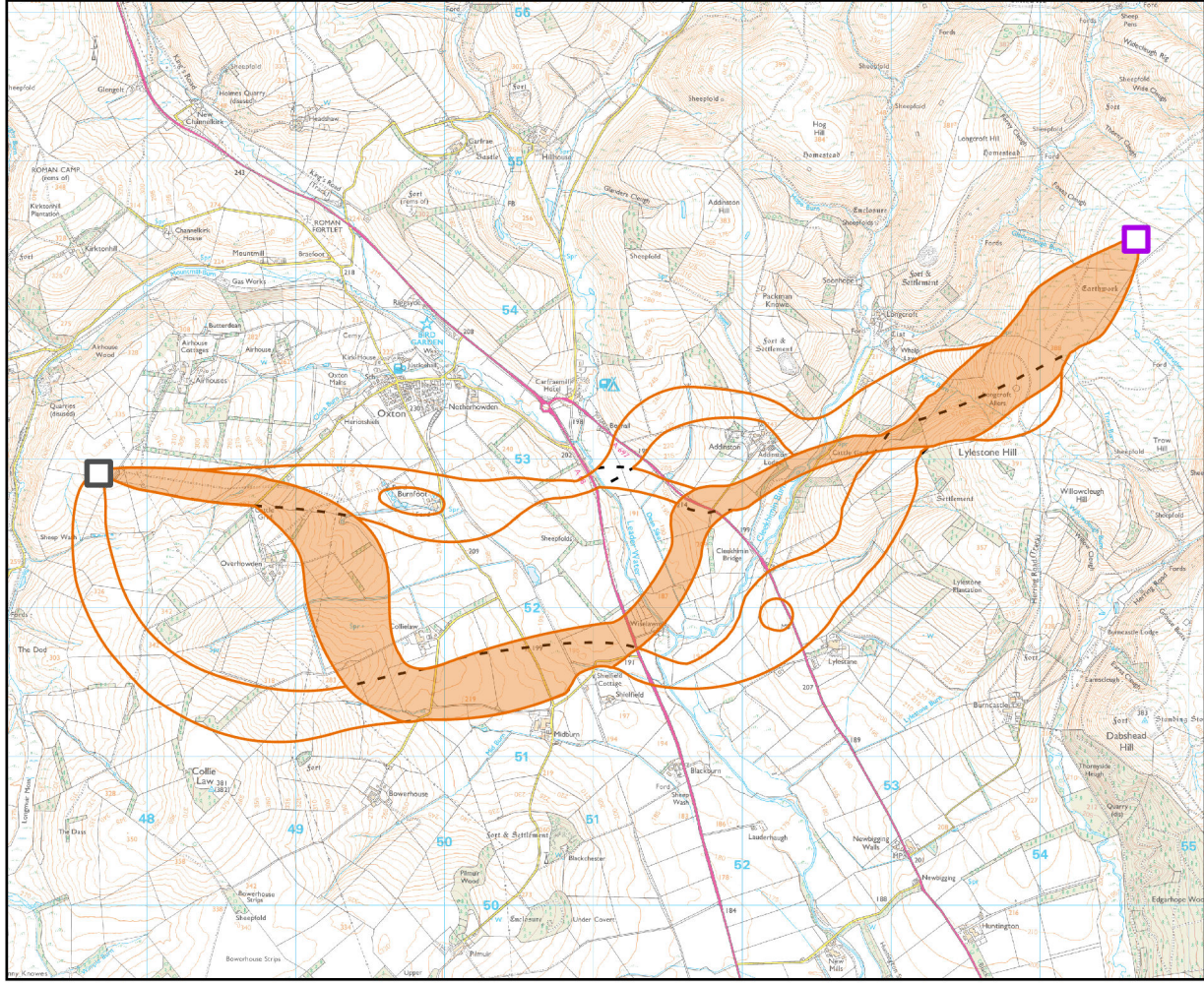




Route Option 1



Route Option 2



Route Option 3

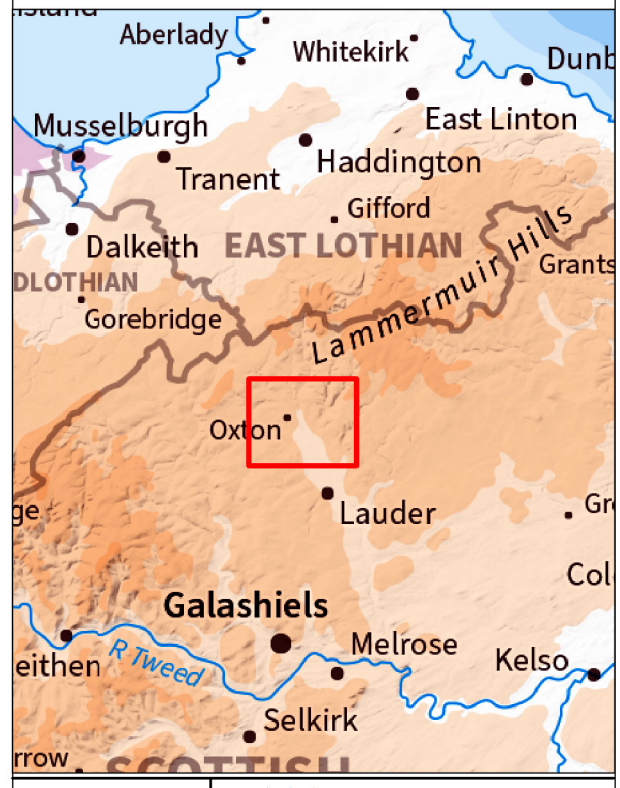


Route Option 4

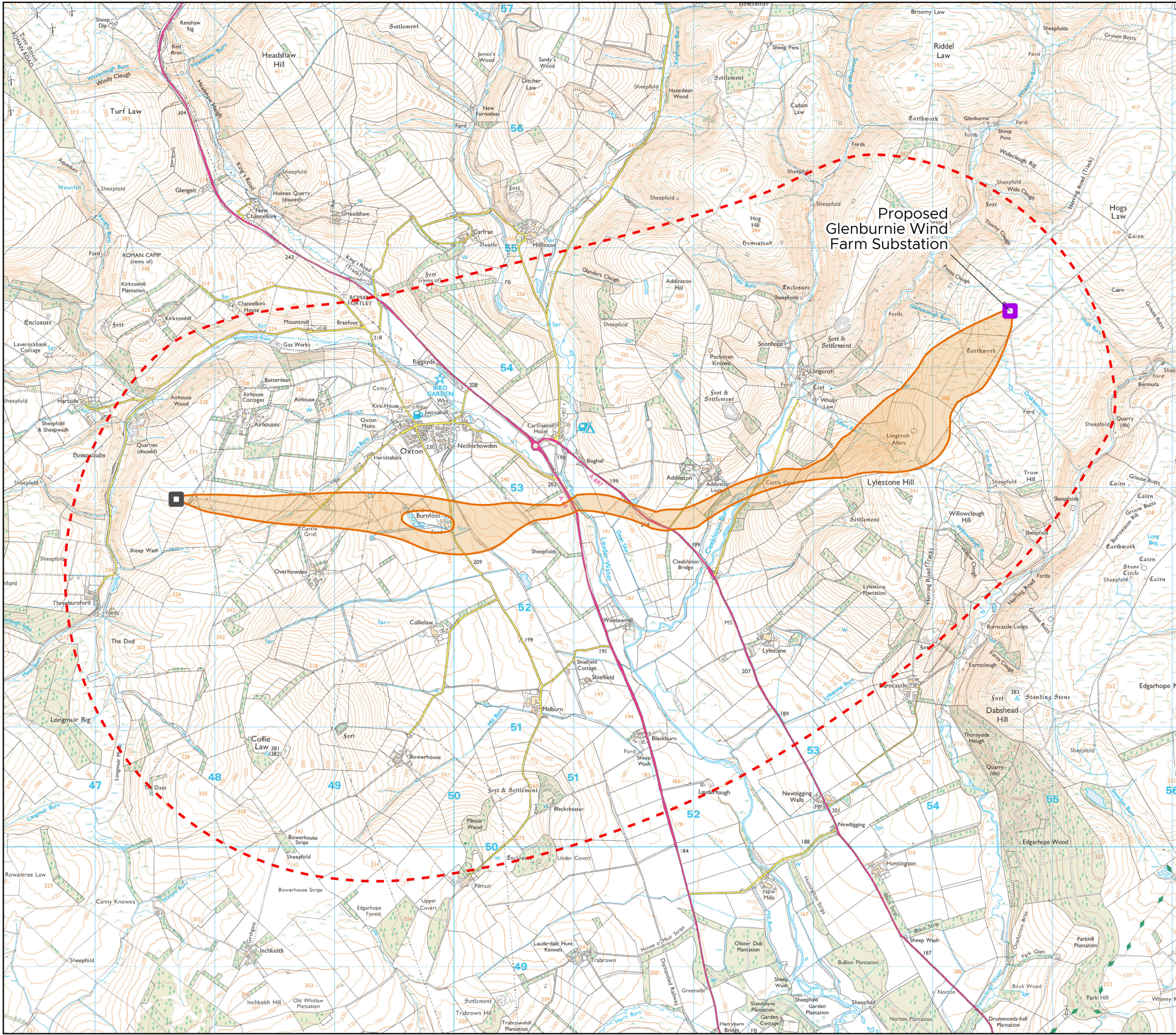
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Figure 11b- Route Options Individual

- Key
- Proposed Glenburnie Wind Farm Substation
  - Proposed Torfichen Cable Sealing End Compound
  - Route Options







# Longcroft Wind Farm Grid Connection Project

Figure 12 - Preferred Route Option

- Key
- Study Area
  - Proposed Glenburnie Wind Farm Substation
  - Proposed Torfichen Cable Sealing End Compound
  - Route Option 2

