

Appendix A

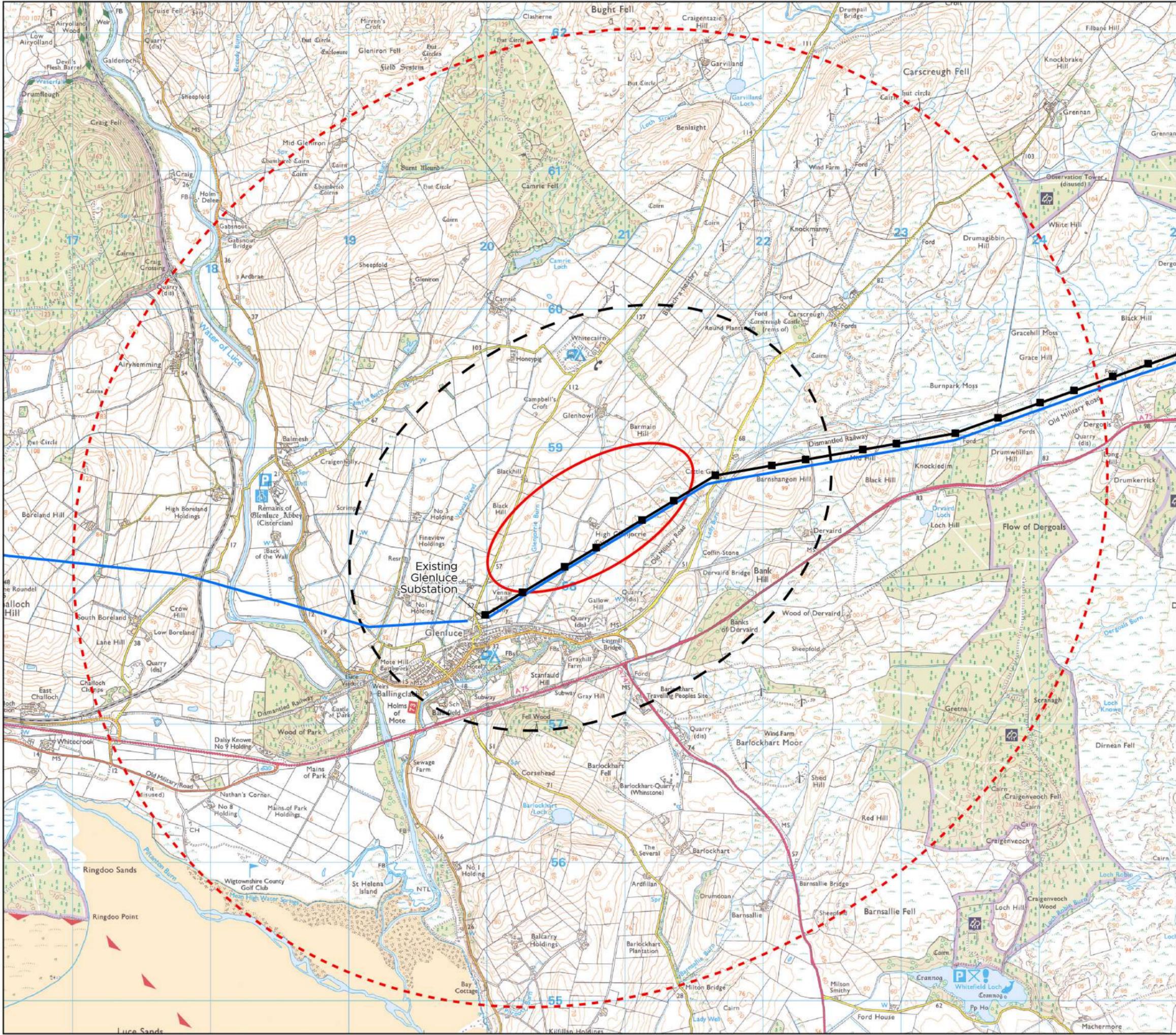
Figures

BT Route Tie-in and Associated Ladyburn 132 kV Substation Project

BT Route Tie-in and Associated Ladyburn 132 kV Collector Substation

Figure 1 - Proposed Location

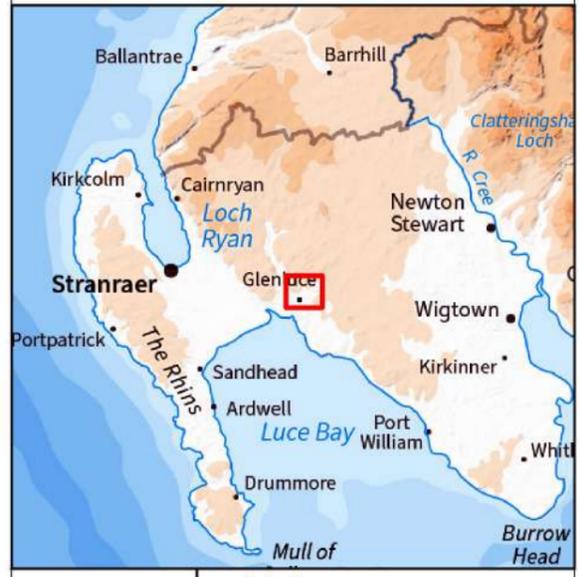
- Key:
- - - Study Area
 - Substation Siting Area
 - 1km Offset
 - Existing Steel Lattice Tower Line (BT Route)
 - Existing 33kV Wood Pole Line



BT Route Tie-in and Associated Ladyburn 132 kV Collector Substation

Figure 2 - Aerial Photo Location Plan

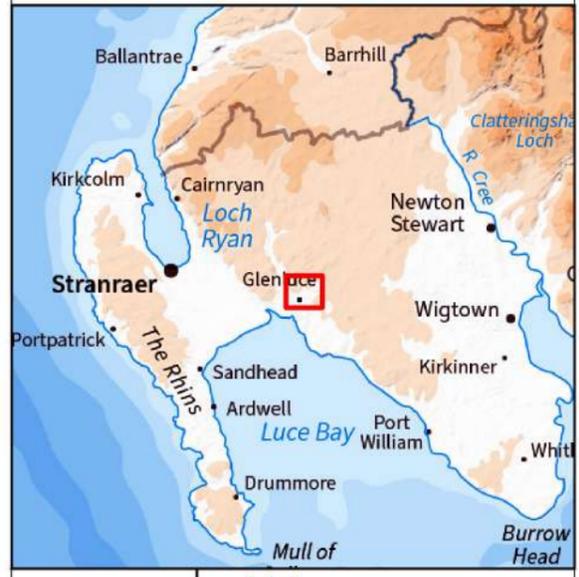
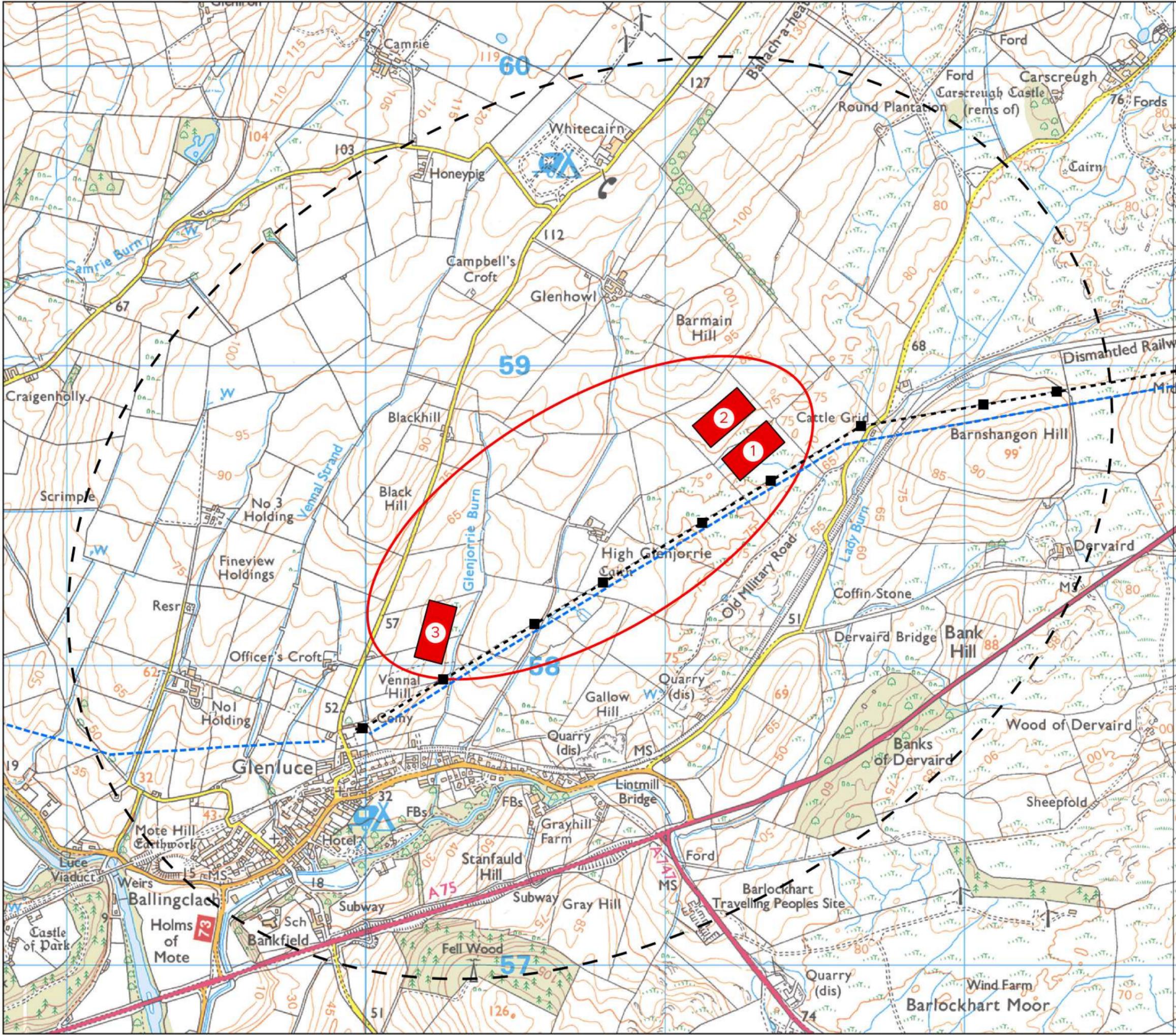
- Key:
-  Substation Siting Area
 -  1km Offset
 -  Existing Steel Lattice Tower Line (BT Route)
 -  Existing 33kV Wood Pole Line



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Figure 3 - Siting Area and Site Options

- Key:
- Substation Siting Area
 - 1km Offset
 - Site Option
 - Existing Steel Lattice Tower Line (BT Route)
 - Existing 33kV Wood Pole Line



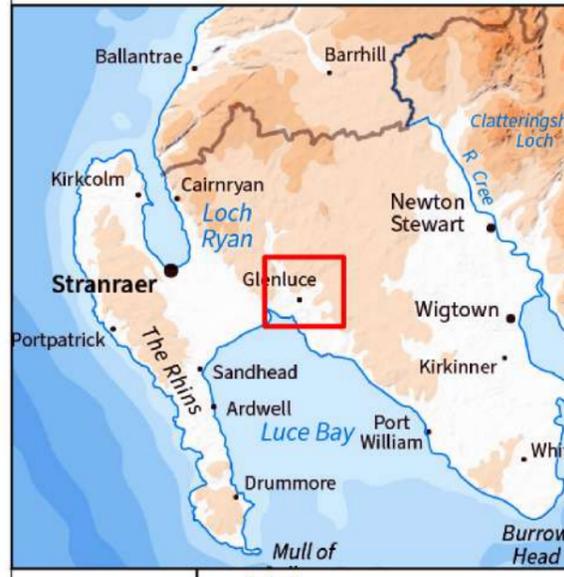
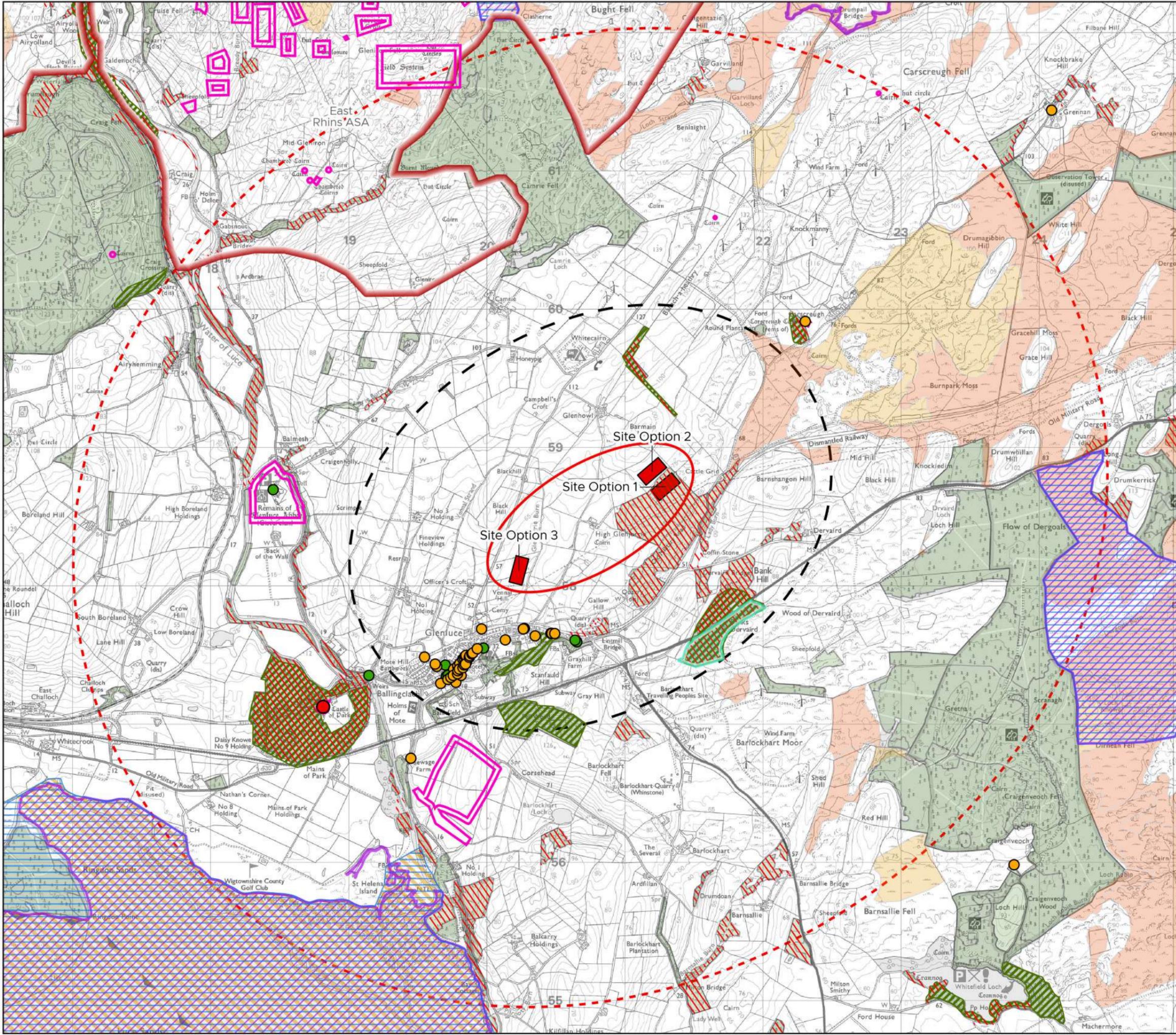
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Figure 4 - Environmental Considerations

Key:

-  Study Area
 -  Substation Siting Area
 -  1km Offset
 -  Site Option
-
-  Site of Special Scientific Interest (SSSI)
 -  Special Protection Area (SPA)
 -  Special Area of Conservation (SAC)
 -  Local Nature Conservation Site (LNCS)
 -  Archaeologically Sensitive Area (ASA)
 -  National Forest Inventory Scotland 2021
 -  Ancient Woodland (AWI)
-
-  Native Woodland (NWSS)
 -  Priority Peatland Habitat - Category 1
 -  Priority Peatland Habitat - Category 2
-
- Listed Building**
 -  Category A
 -  Category B
 -  Category C
 -  Scheduled Monument



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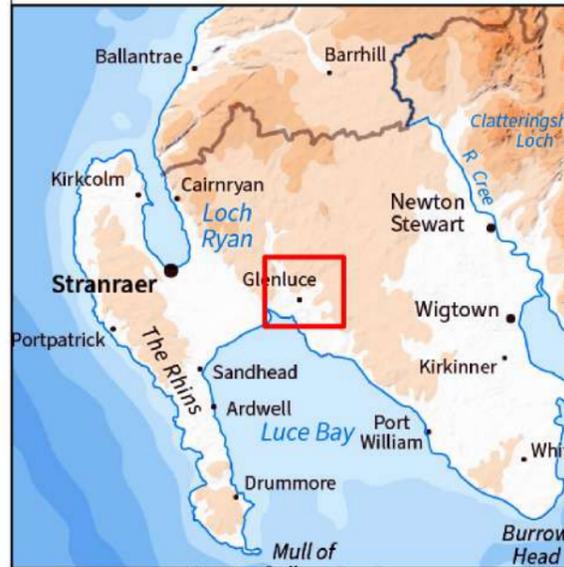
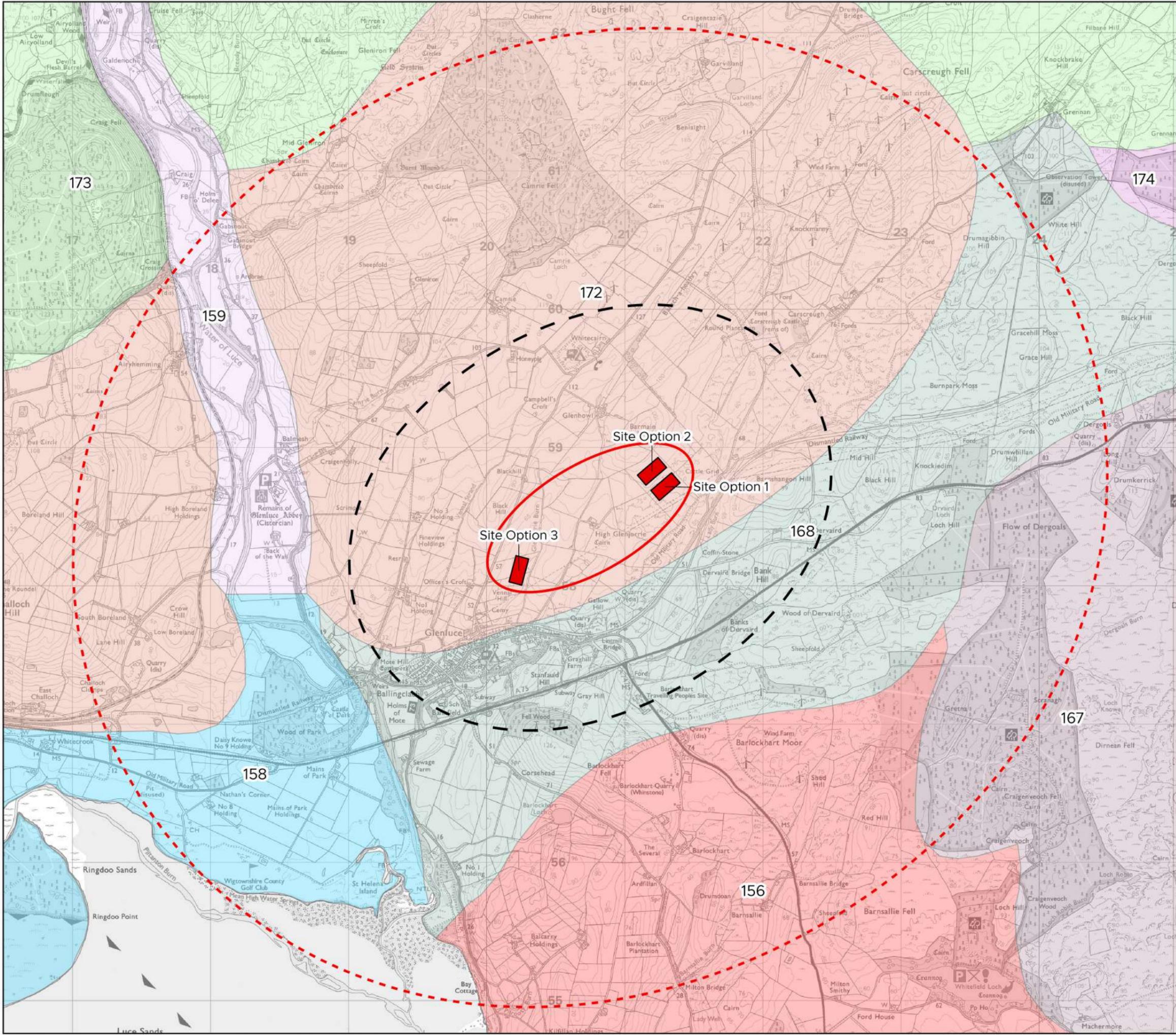
Figure 5 - Landscape Character Types

Key:

-  Study Area
-  Substation Siting Area
-  1km Offset
-  Site Option

Landscape Character Type

-  158 - Coastal Flats - Dumfries & Galloway
-  156 - Peninsula
-  159 - Shallow Flat Bottomed Valley
-  167 - Moss and Forest Lowland
-  168 - Drumlin Pasture in Moss and Moor Lowland
-  172 - Upland Fringe - Dumfries and Galloway
-  173 - Plateau Moorland - Dumfries and Galloway
-  174 - Plateau Moorland with Forest - Dumfries and Galloway



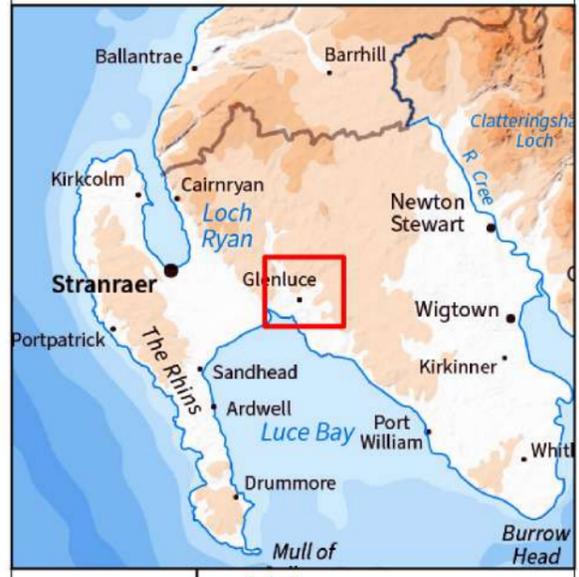
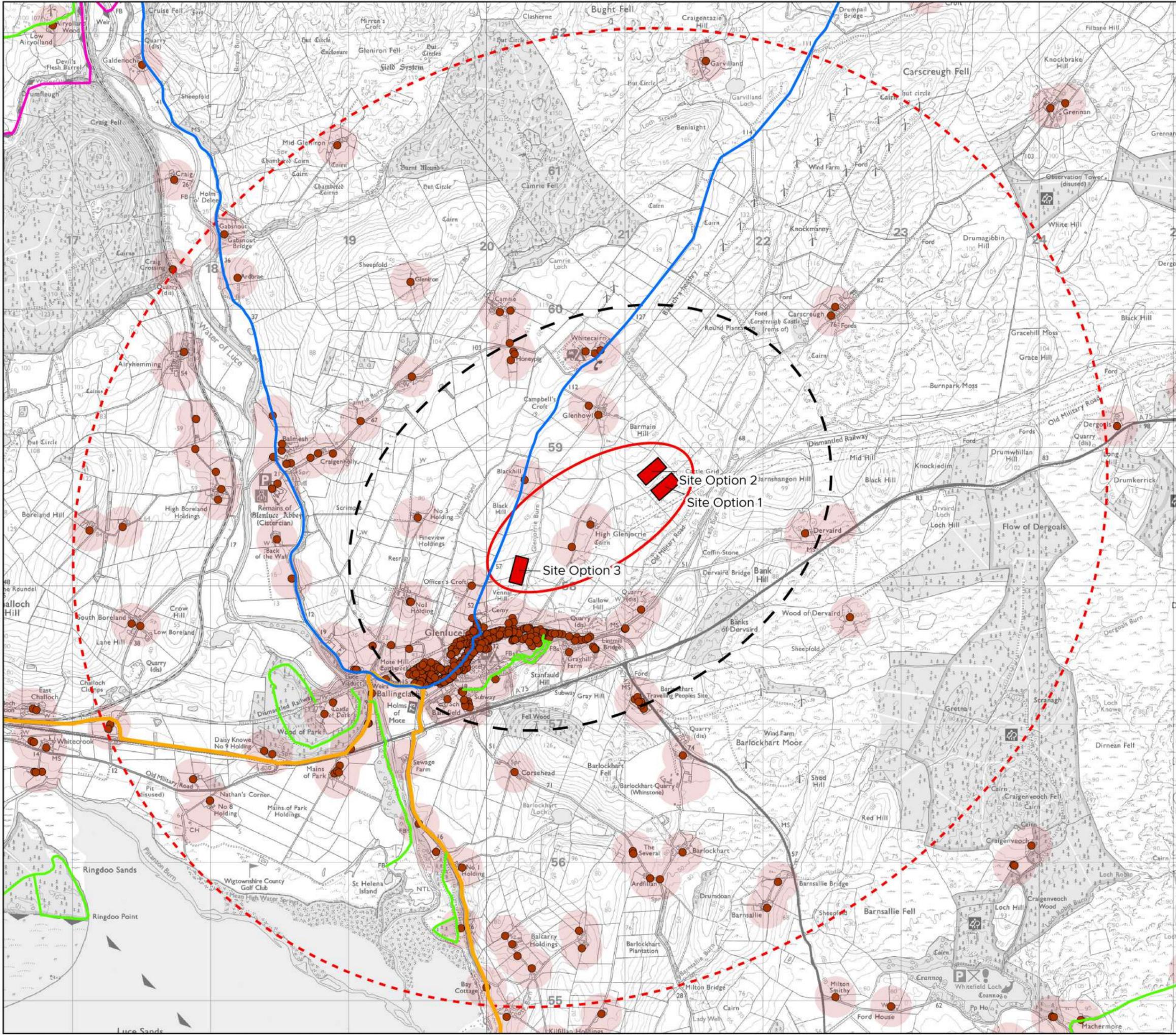
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Figure 6 - Visual Receptors

Key:

- - - Study Area
- Substation Siting Area
- 1km Offset
- Site Option

- Residential Property
- Residential Property 150m Buffer
- National Cycle Route 73
- Moors of Wigtownshire Walk
- Southern Upland Way
- Core Paths





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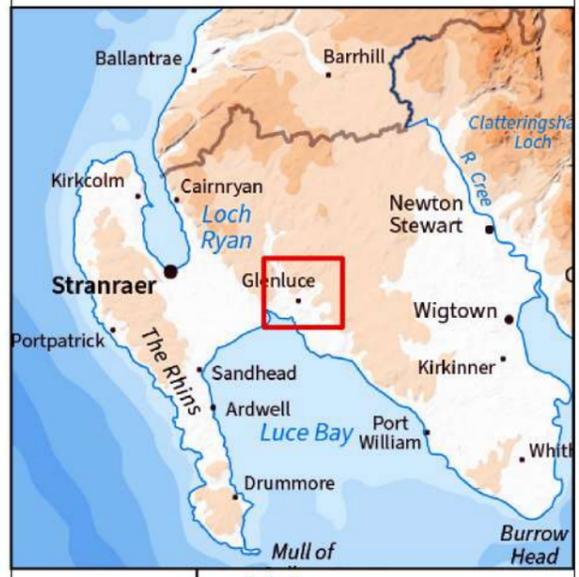
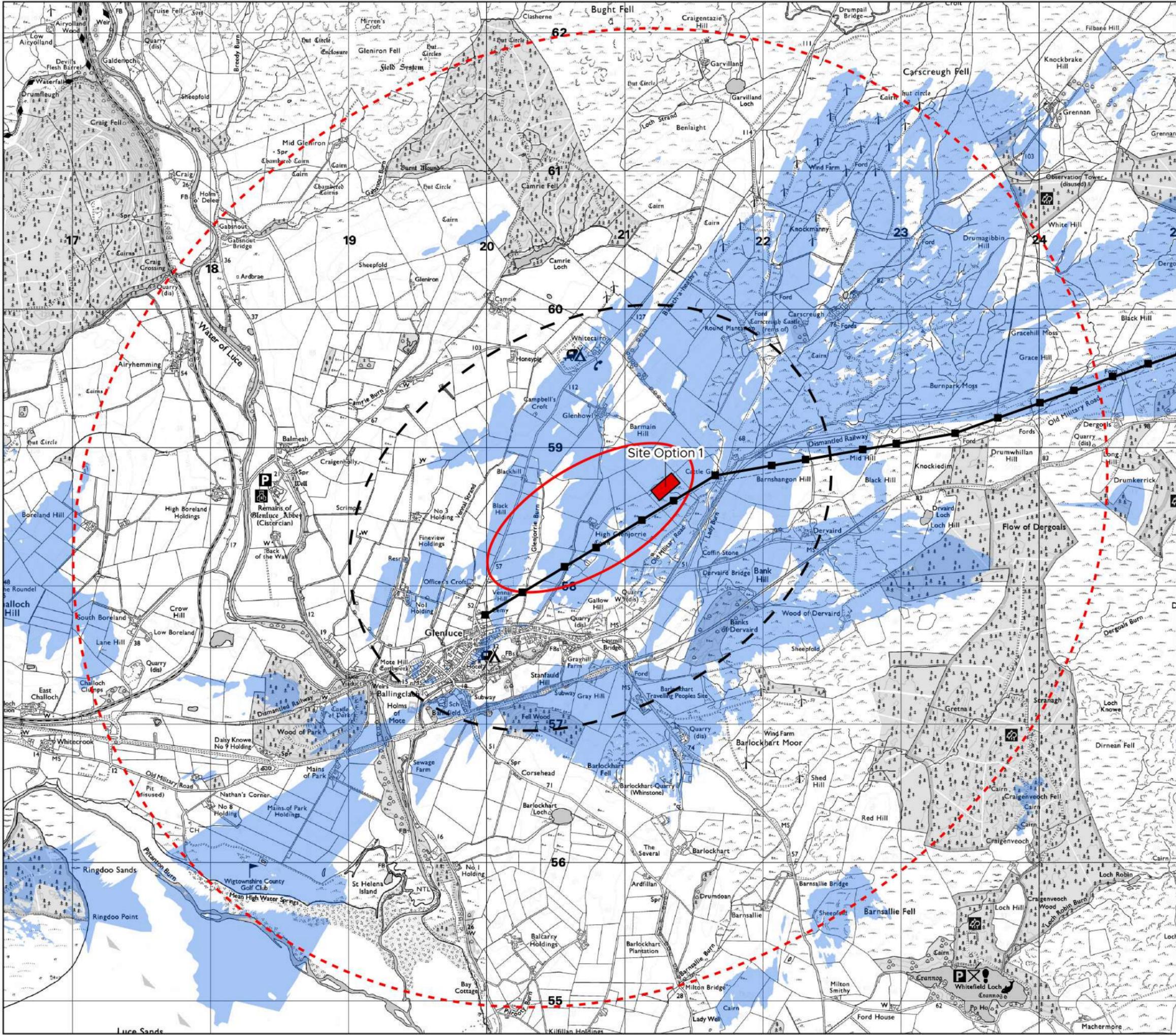
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Figure 7a - Site Option 1 Bare Earth Zone of Theoretical Visibility

Key:

-  Study Area
-  Substation Siting Area
-  1km Offset
-  Site Option 1
-  Existing Steel Lattice Tower Line (BT Route)
-  Bare Earth Zone of Theoretical Visibility

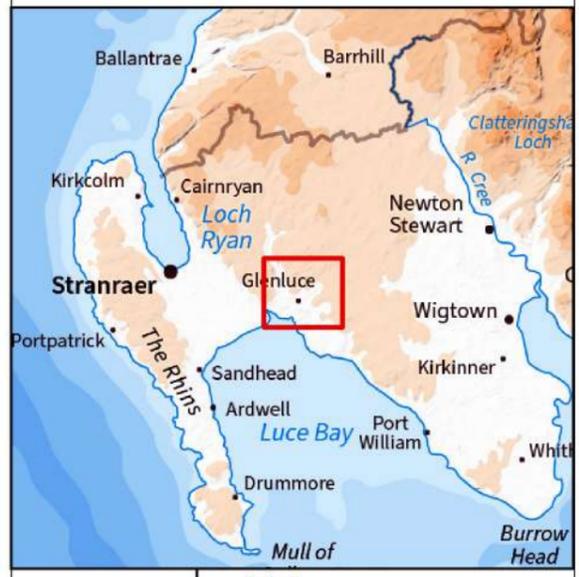
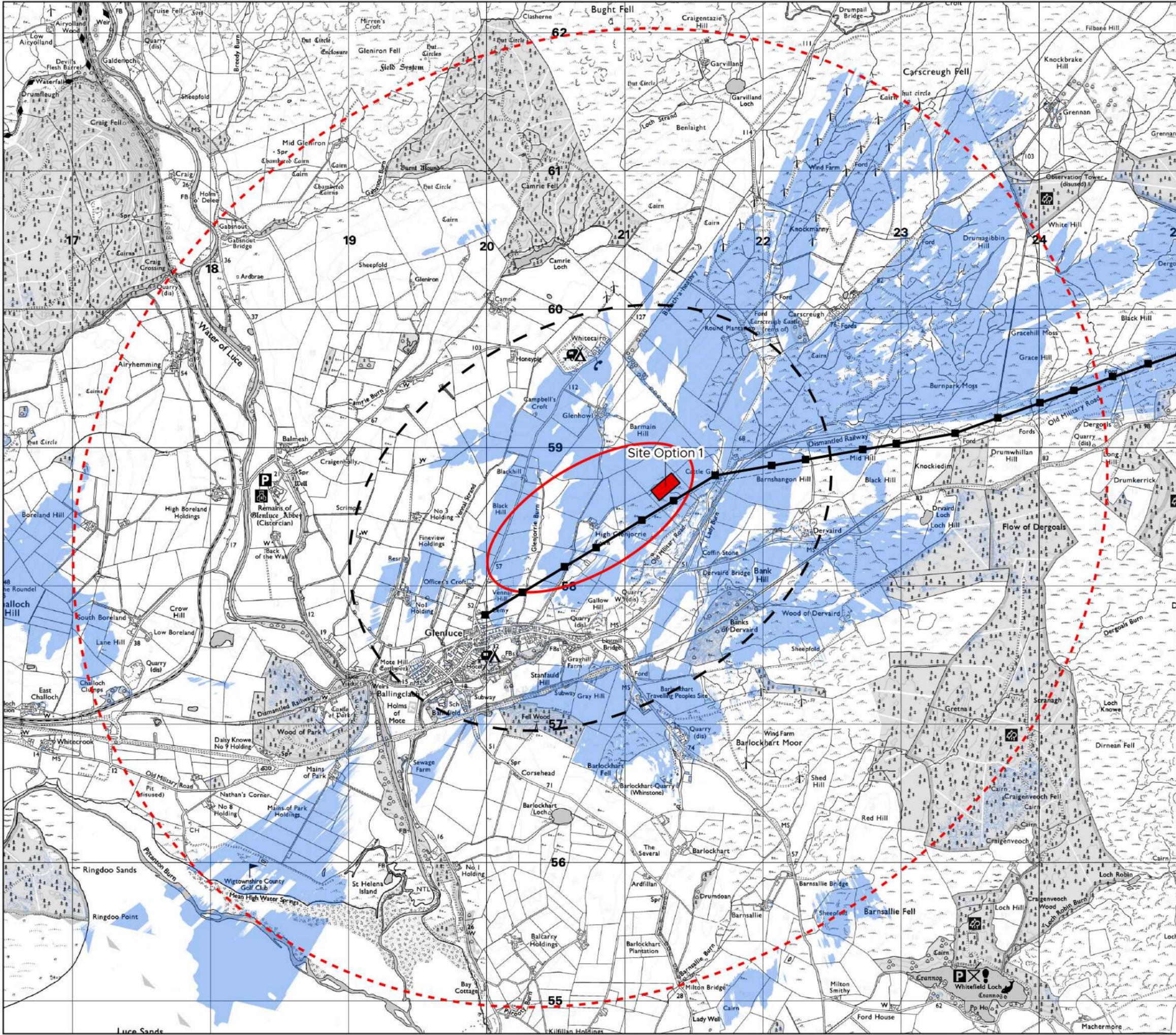


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Figure 7b - Site Option 1 Screened Zone of Theoretical Visibility

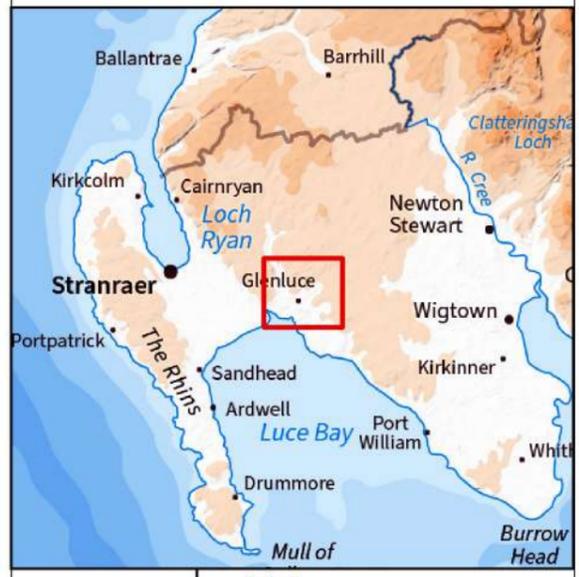
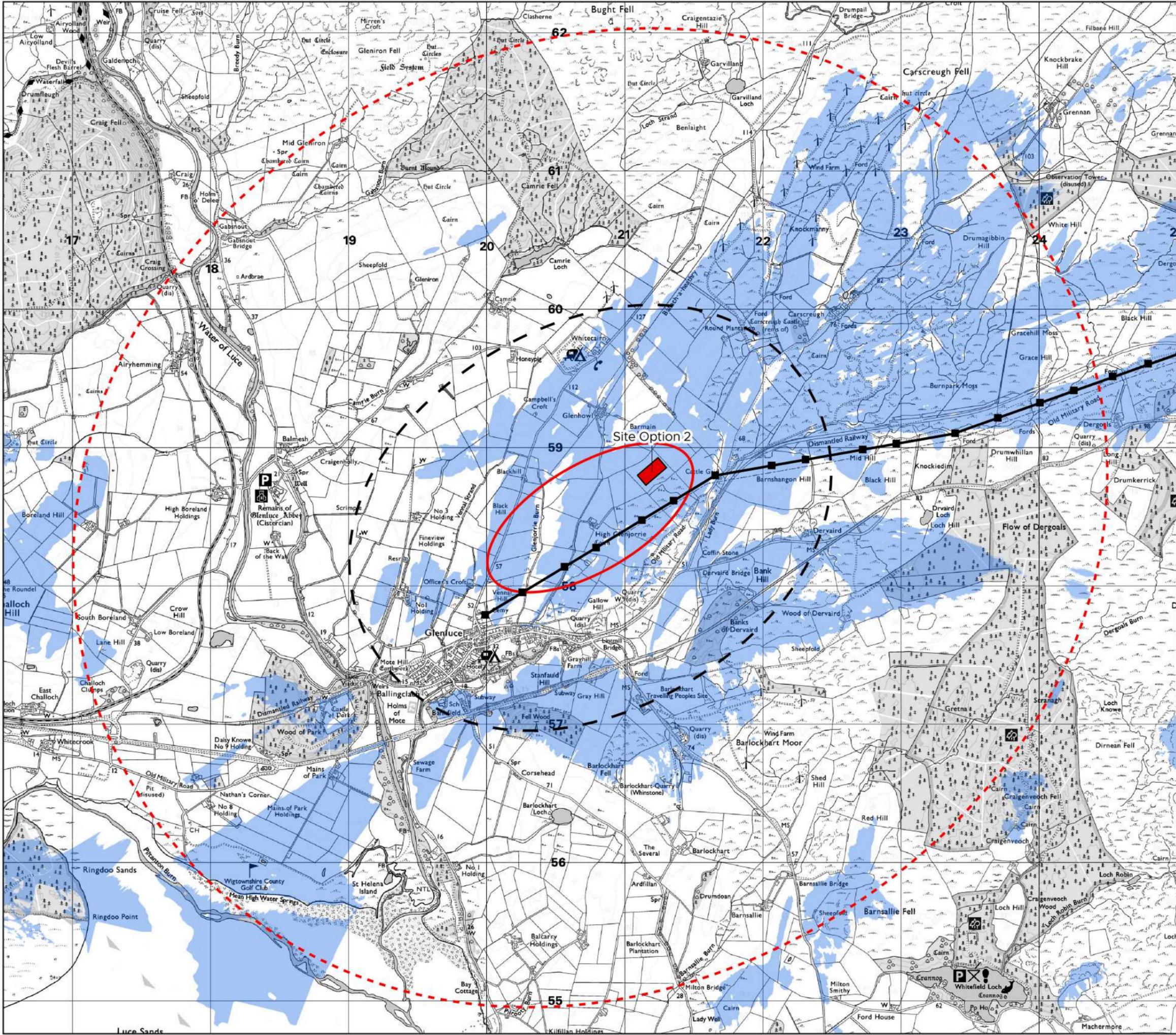
- Key:
- - - Study Area
 - Substation Siting Area
 - 1km Offset
 - Site Option 1
 - Existing Steel Lattice Tower Line (BT Route)
-
- Screened Zone of Theoretical Visibility



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Figure 7c - Site Option 2 Bare Earth Zone of Theoretical Visibility

- Key:
-  Study Area
 -  Substation Siting Area
 -  1km Offset
 -  Site Option 2
 -  Existing Steel Lattice Tower Line (BT Route)
 -  Bare Earth Zone of Theoretical Visibility

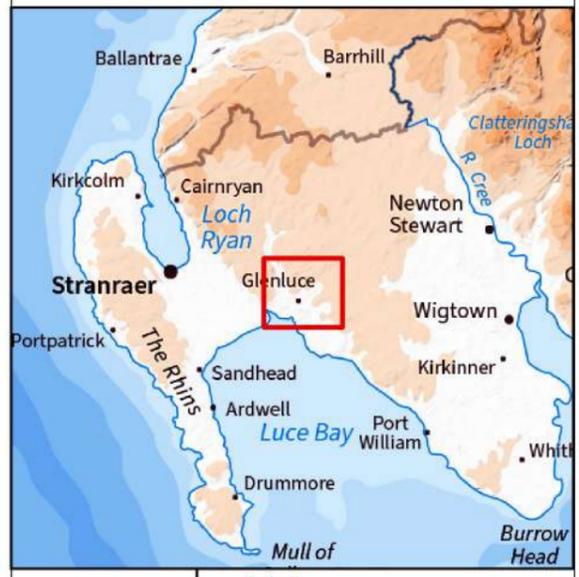
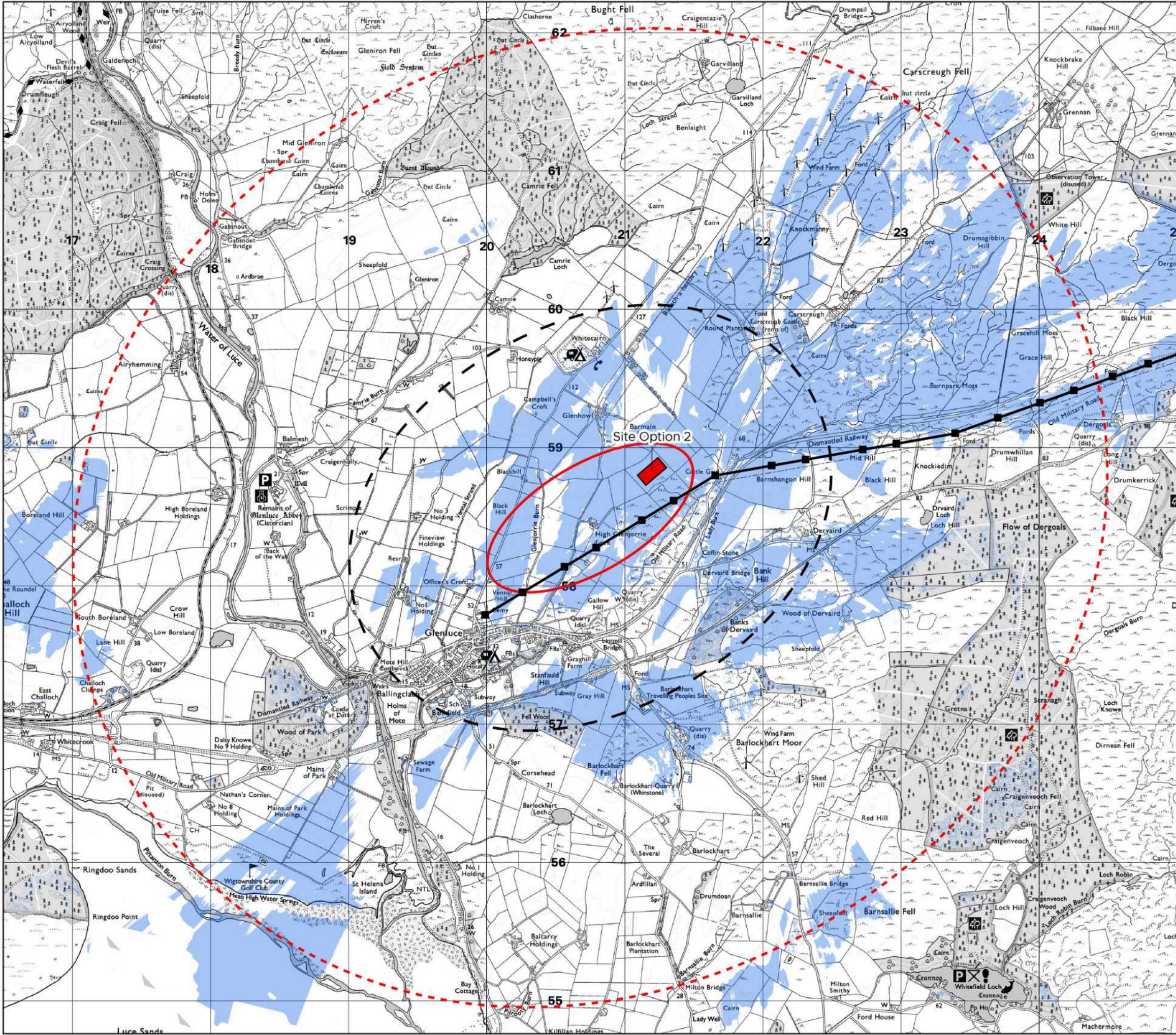


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Figure 7d - Site Option 2 Screened Zone of Theoretical Visibility

- Key:
-  Study Area
 -  Substation Siting Area
 -  1km Offset
 -  Site Option 2
 -  Existing Steel Lattice Tower Line (BT Route)
 -  Screened Zone of Theoretical Visibility

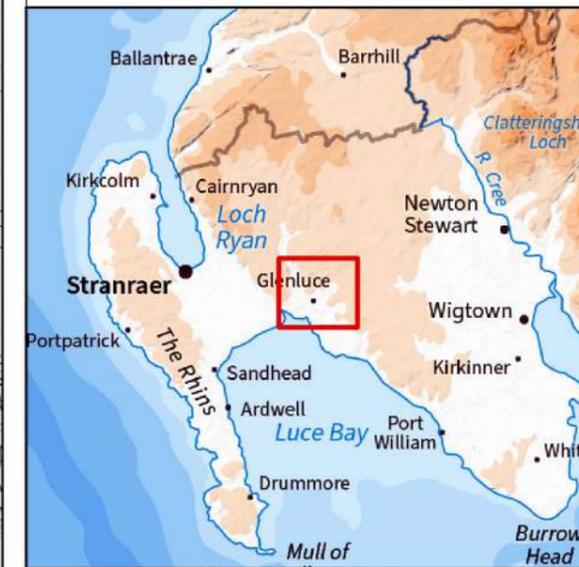
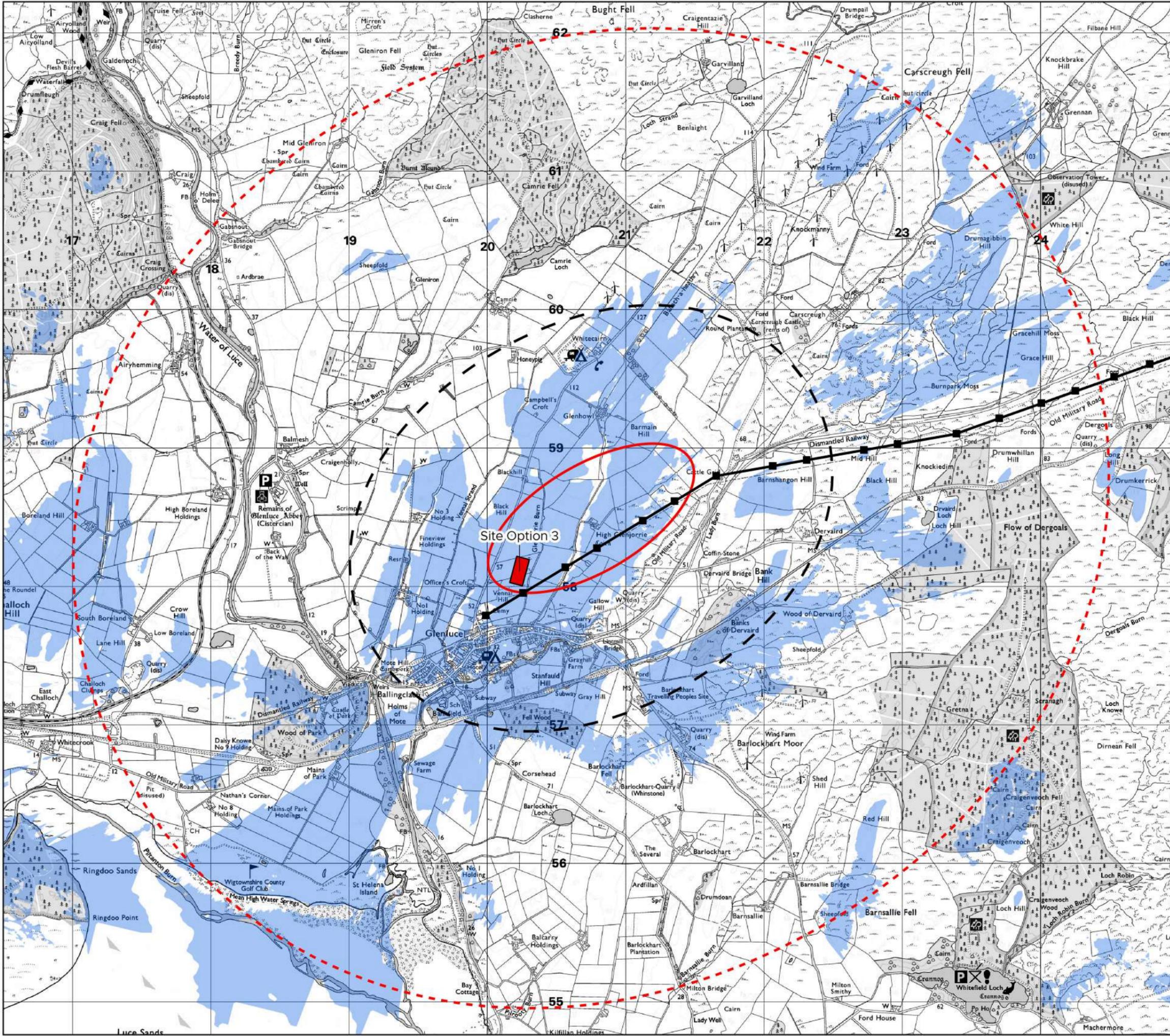


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Figure 7e - Site Option 3 Bare Earth Zone of Theoretical Visibility

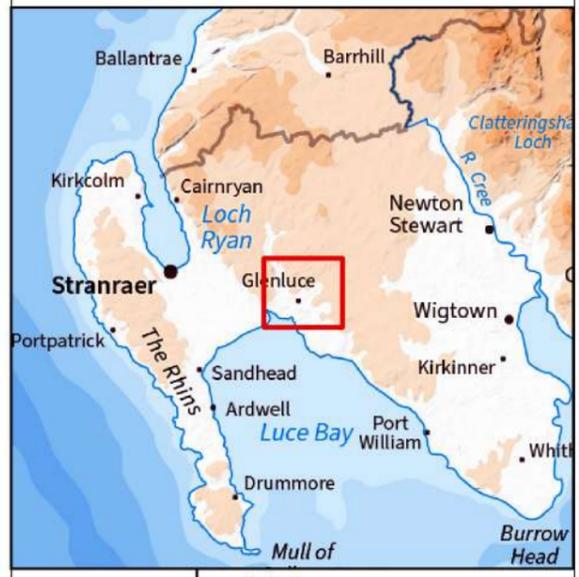
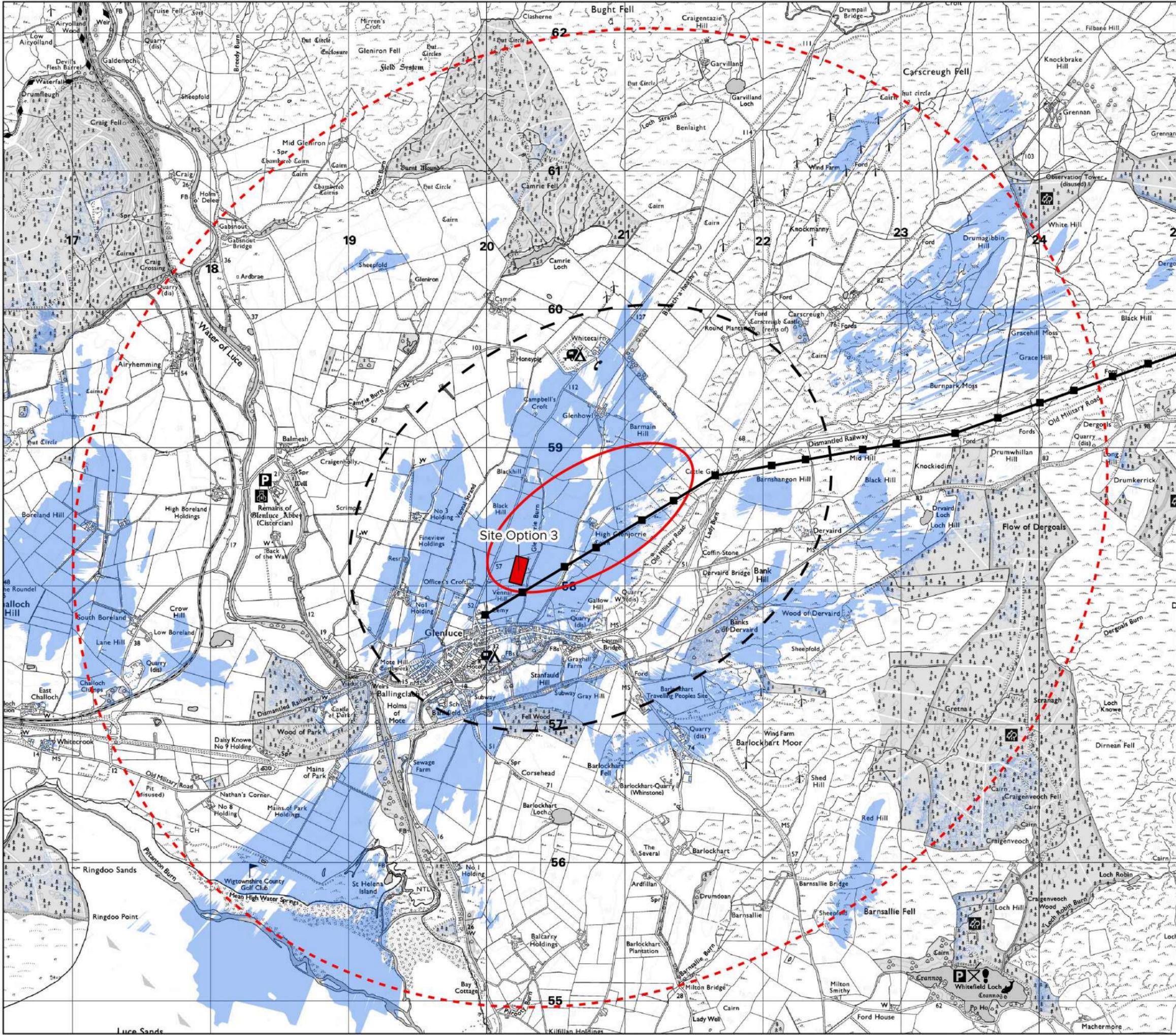
- Key:
-  Study Area
 -  Substation Siting Area
 -  1km Offset
 -  Site Option 3
 -  Existing Steel Lattice Tower Line (BT Route)
 -  Bare Earth Zone of Theoretical Visibility



BT Route Tie-in and Associated Ladyburn 132 kV Collector Substation

Figure 7f - Site Option 3 Screened Zone of Theoretical Visibility

- Key:
-  Study Area
 -  Substation Siting Area
 -  1km Offset
 -  Site Option 3
 -  Existing Steel Lattice Tower Line (BT Route)
 -  Screened Zone of Theoretical Visibility



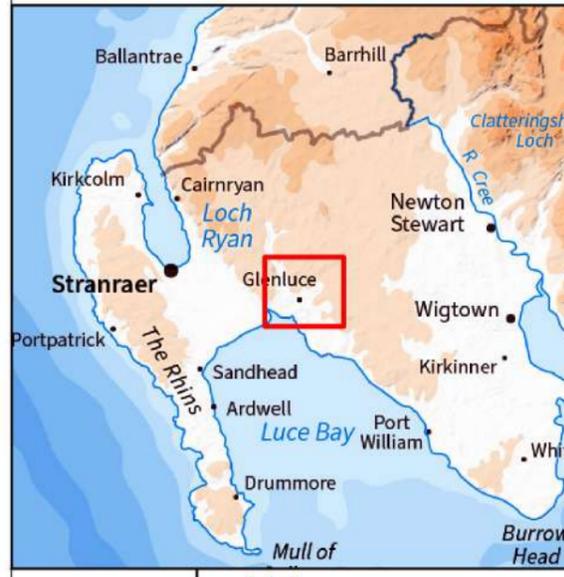
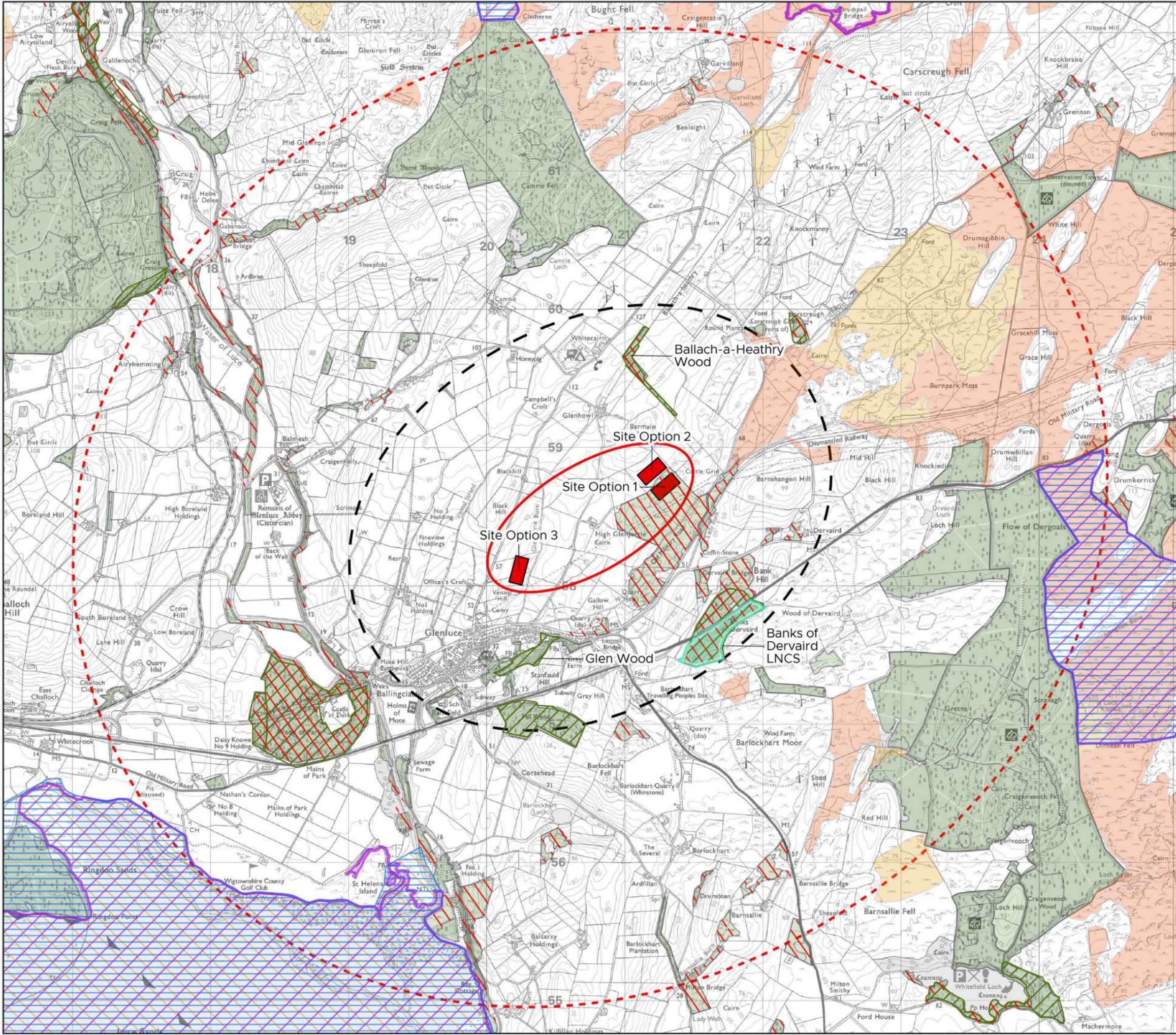
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Figure 8 - Biodiversity

Key:

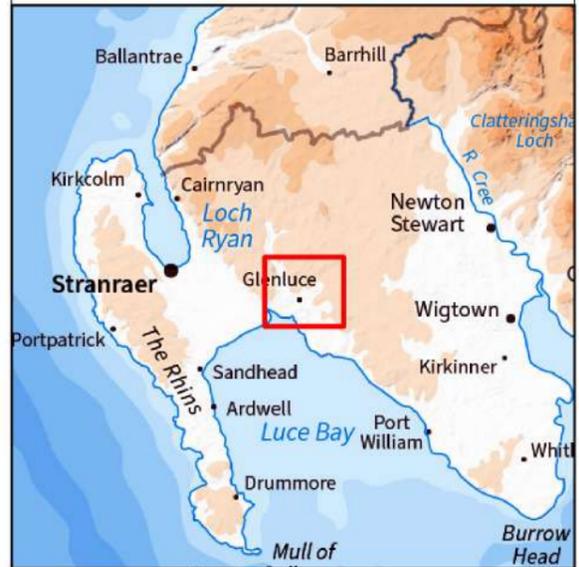
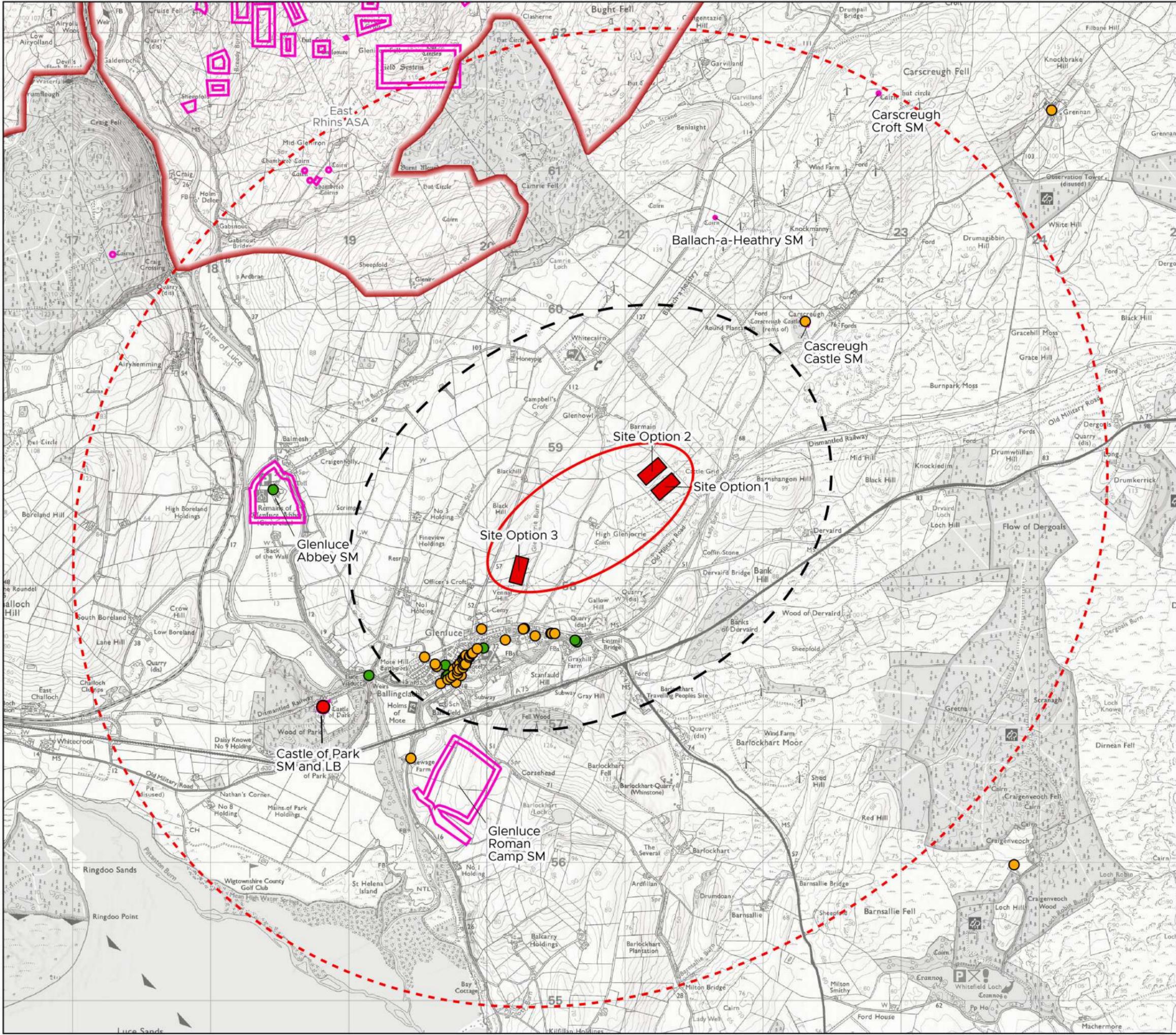
- Study Area
 - Substation Siting Area
 - 1km Offset
 - Site Option
-
- National Forest Inventory Scotland 2021
 - Native Woodland (NWSS)
 - Ancient Woodland (AWI)
 - Local Nature Conservation Site (LNCS)
 - Site of Special Scientific Interest (SSSI)
 - Special Protection Area (SPA)
 - Special Area of Conservation (SAC)
 - Priority Peatland Habitat - Category 1
 - Priority Peatland Habitat - Category 2



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Figure 9 - Archaeology and Cultural Heritage

- Key:**
- Study Area
 - Substation Siting Area
 - 1km Offset
 - Site Option
 - Archaeologically Sensitive Area (ASA)
 - Listed Building**
 - Category A
 - Category B
 - Category C
 - Scheduled Monument (SM)



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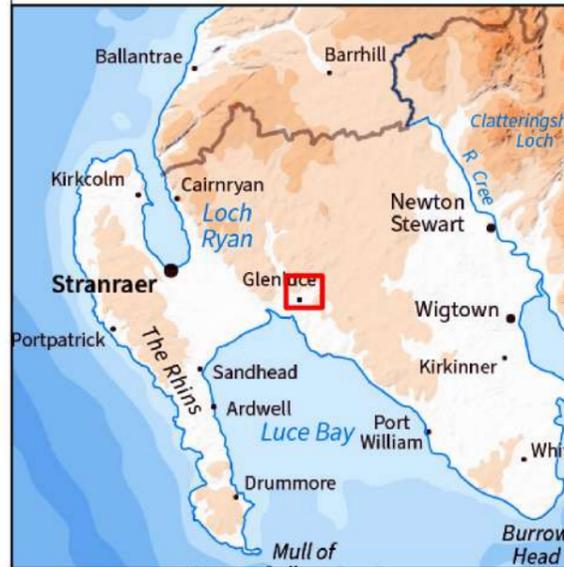
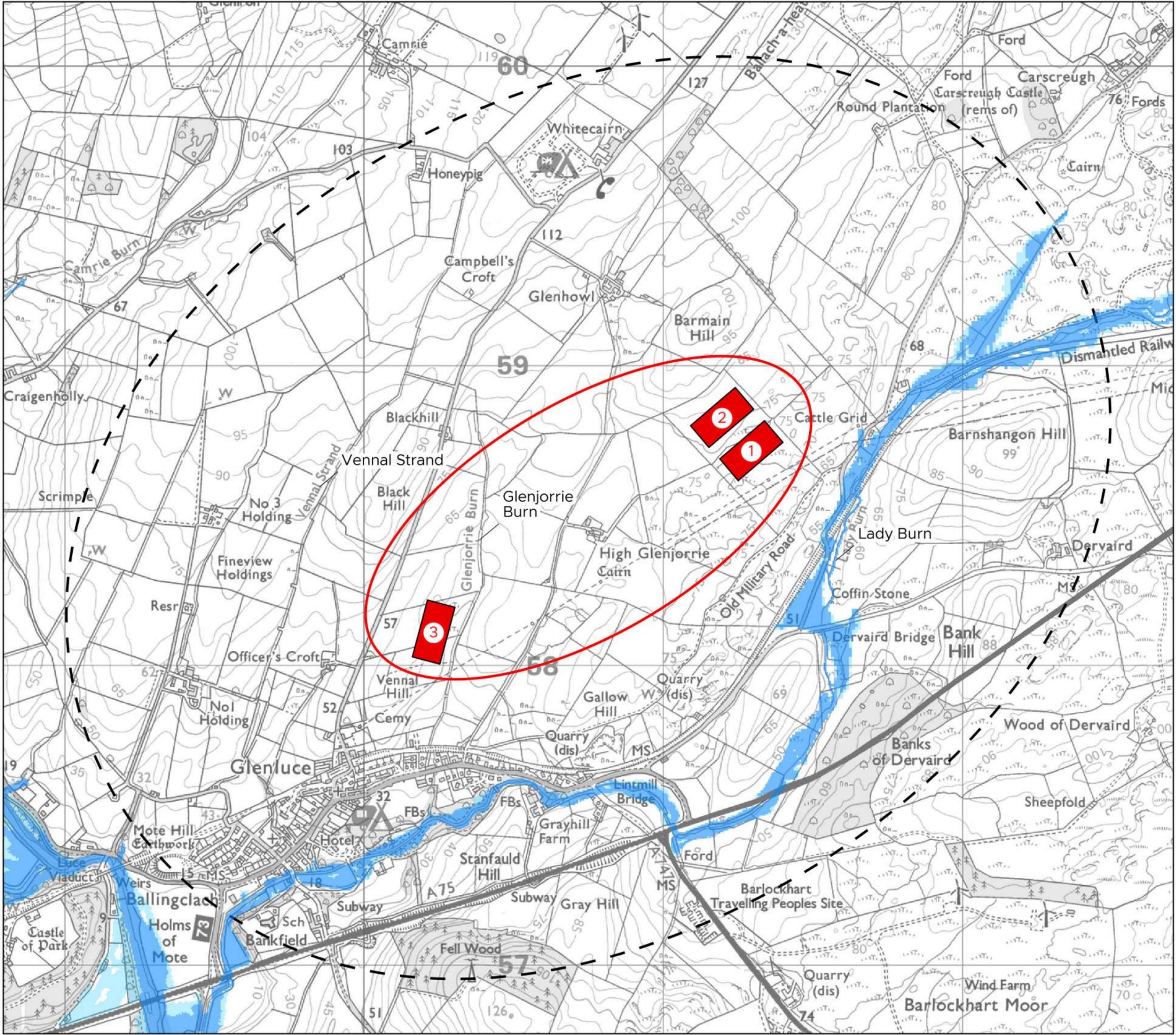
Figure 10a - Flood Risk - Rivers

Key:

- Substation Siting Area
- 1km Offset
- Site Option

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



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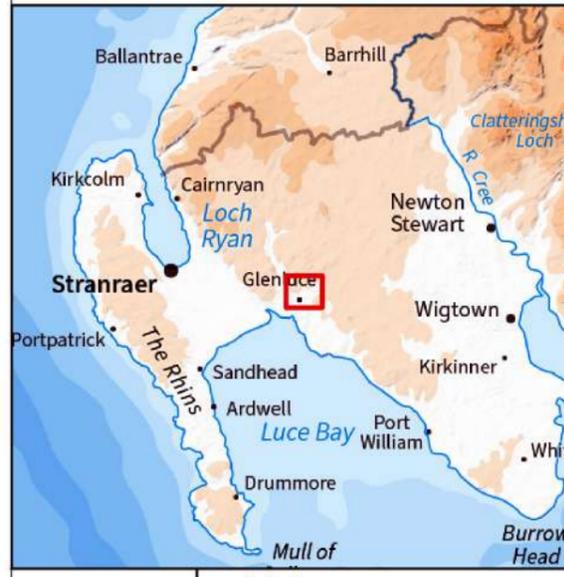
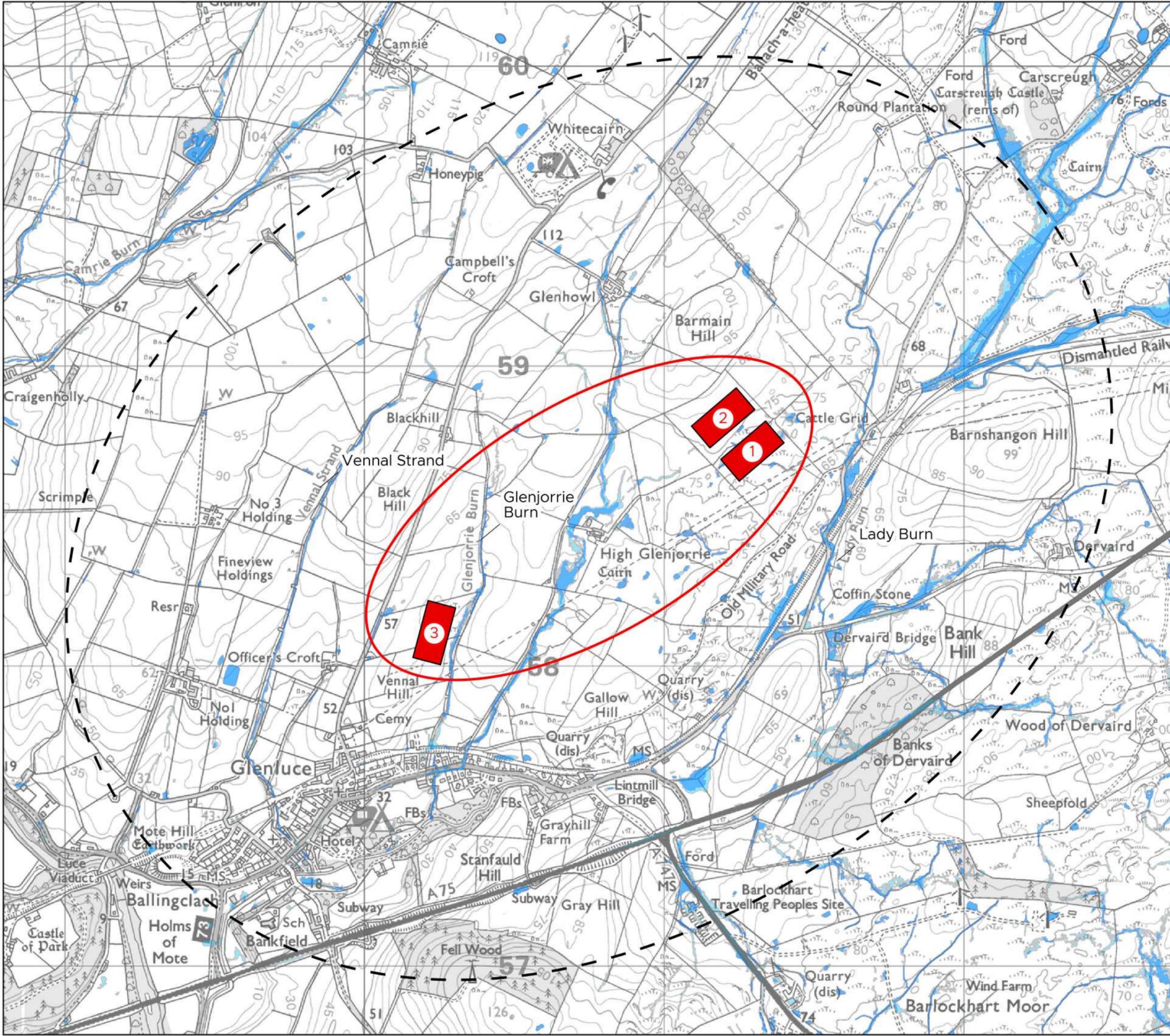
Figure 10b - Flood Risk - Surface Water and Small Watercourses

Key:

- Substation Siting Area
- 1km Offset
- Site Option

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

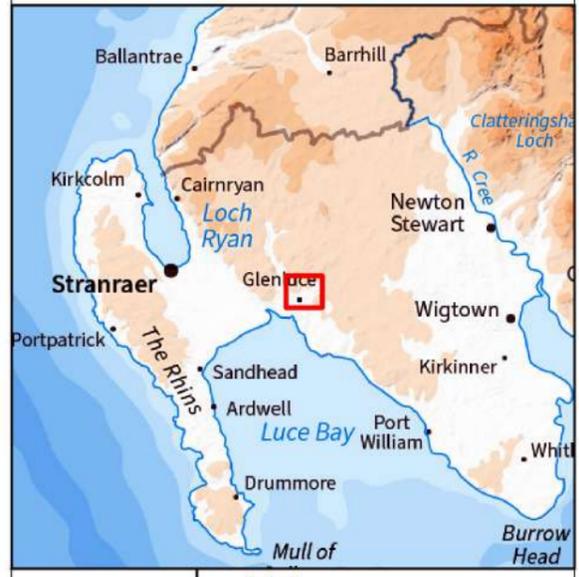
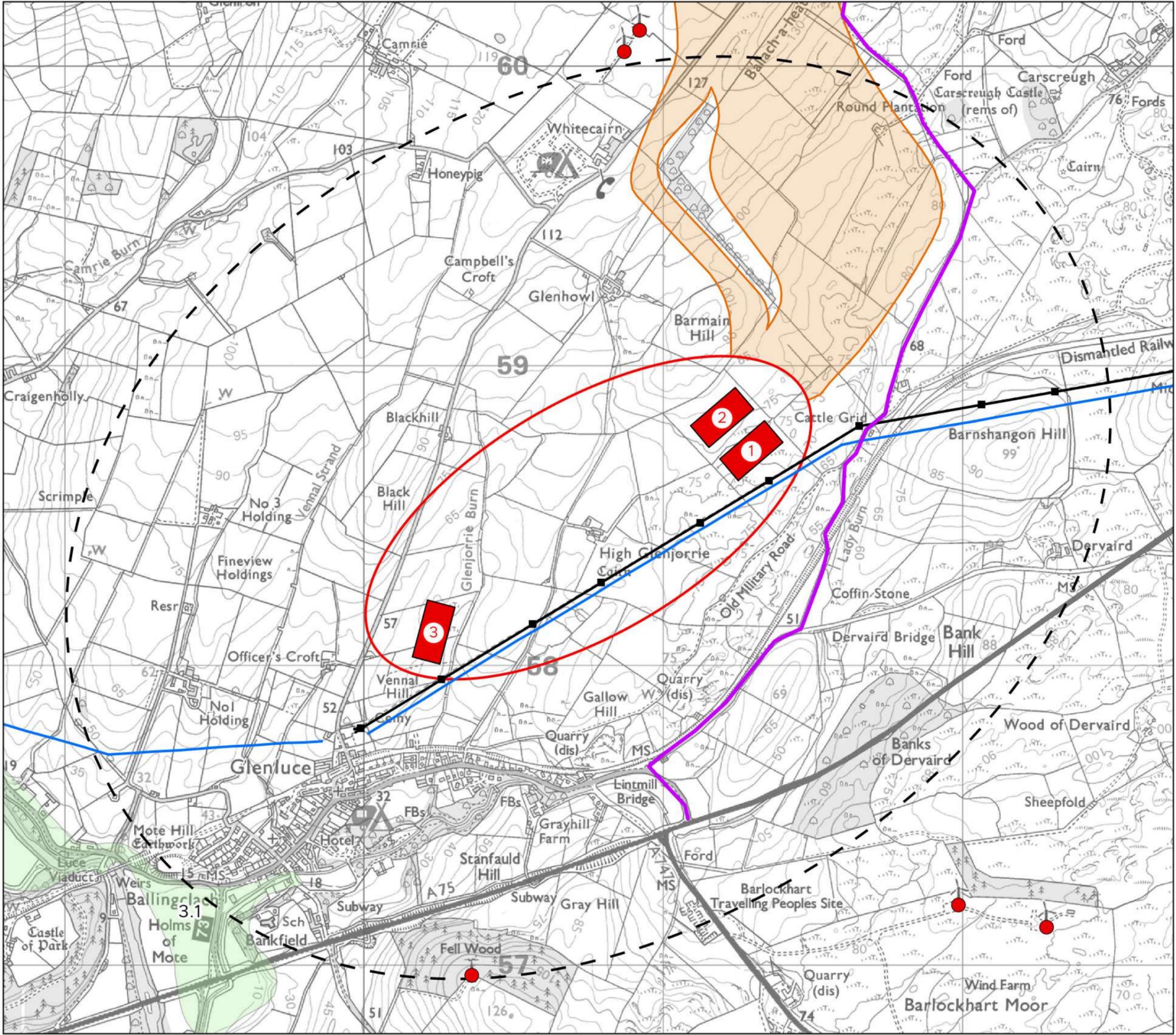


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Figure 11 - Land Use

- Key:
- Substation Siting Area
 - 1km Offset
 - Site Option
 - Existing Steel Lattice Tower Line (BT Route)
 - Existing 33kV Wood Pole Line
 - Land Capability for Agriculture (Best and Most Versatile Land Plotted)
 - Installed or Approved Wind Turbine
 - Artfield Forest Wind Farm Connection Project Preferred Route Option
 - Proposed Craig Nab Wind Farm Access Track



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Figure 12 - Site Plan

Key

-  Indicative Site Boundary
-  Indicative Site Compound Boundary
-  Existing Steel Lattice Tower Line (BT Route)
-  Existing Steel Lattice Tower
-  Proposed 132 kV OHL
-  Proposed 132 kV Tower
-  BT Route Span to be Removed
-  Tower to be Dismantled
-  Indicative Sustainable Drainage System (SUDS)
-  Temporary Compound

