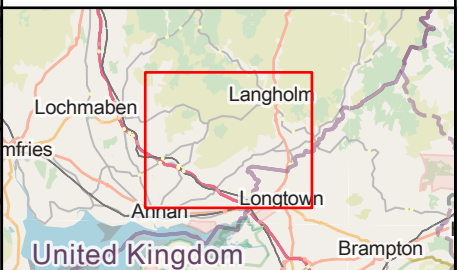




- Legend:
- Callisterhall WF Connection Point
  - Gretna 132kV Substation

Coordinate System: British National Grid  
Projection: Transverse Mercator  
Datum: OSGB 1936  
Units: Meter



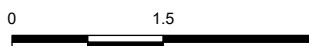
| Rev | Date       | Description | Drn | Chk | App |
|-----|------------|-------------|-----|-----|-----|
| 00  | 31/10/2025 | Final Issue | FF  | CC  | RB  |

Callisterhall WF Grid Connection

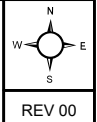


TITLE: Figure 1.1:  
Site Location

ID: Fig1\_1\_Site\_Location\_A3L



Scale: 1:75,000 @ A3

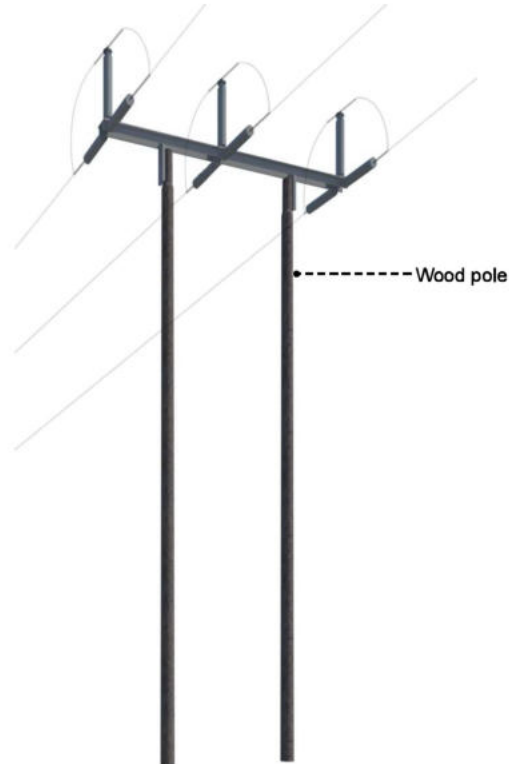


REV 00

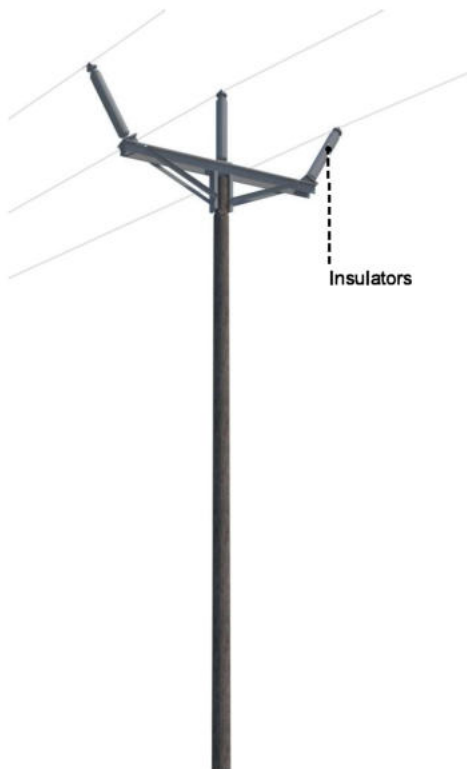




Component parts of 132kV 'Trident' design wood pole: Intermediate (H pole)



Component parts of 132kV 'Trident' design wood pole: Angle (H pole)



Component parts of 132kV 'Trident' design wood pole: Intermediate



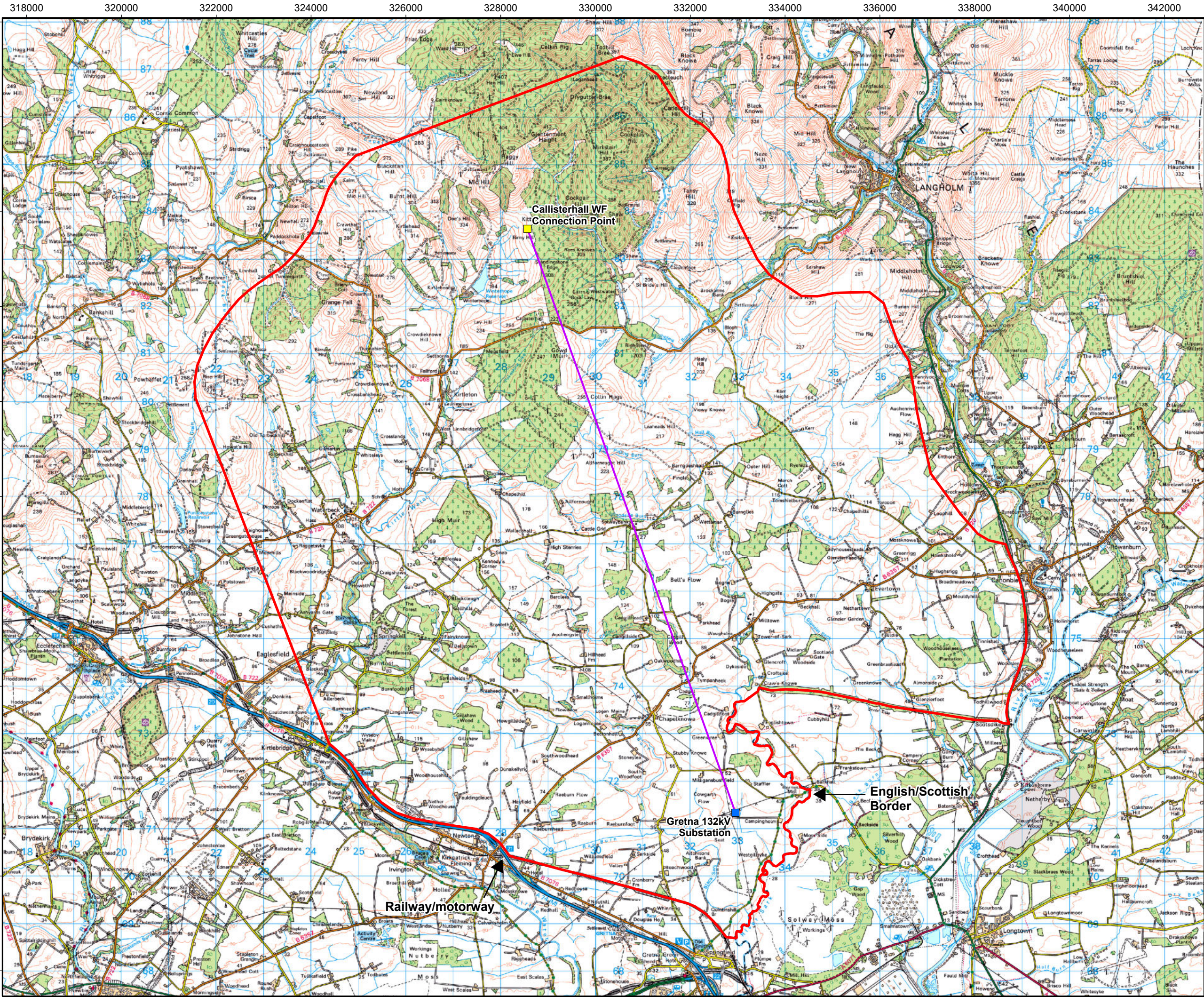
Component parts of 132kV 'Trident' design wood pole: Angle



Component parts of 132kV 'Trident' design wood pole: Terminal (H pole)

|                                                                   |            |             |     |        |     |
|-------------------------------------------------------------------|------------|-------------|-----|--------|-----|
|                                                                   |            |             |     |        |     |
|                                                                   |            |             |     |        |     |
| 00                                                                | 31/10/2025 | Final Issue | FF  | CC     | RB  |
| Rev                                                               | Date       | Description | Dwn | Chk    | App |
| Callisterhall WF Grid Connection                                  |            |             |     |        |     |
| <div>RSK</div>                                                    |            |             |     |        |     |
| TITLE: Figure 2.2:<br>Typical Trident Wood Pole<br>Specifications |            |             |     |        |     |
| ID: Fig2_2_Typical_Trident_Wood_Pole_Specifications_A3L           |            |             |     |        |     |
|                                                                   |            |             |     | REV 00 |     |





- Legend:
- Proposed Study Area
  - Callisterhall WF Connection Point
  - Gretna 132kV Substation
  - Straight line between connection points

Coordinate System: British National Grid  
Projection: Transverse Mercator  
Datum: OSGB 1936  
Units: Meter



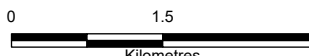
| Rev | Date       | Description | Drn | Chk | App |
|-----|------------|-------------|-----|-----|-----|
| 00  | 24/10/2024 | Final Issue | FF  | CC  | RB  |

664458 - Callisterhall WF Grid Connection

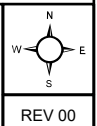


TITLE: Figure 3.2:  
Initial Study Area

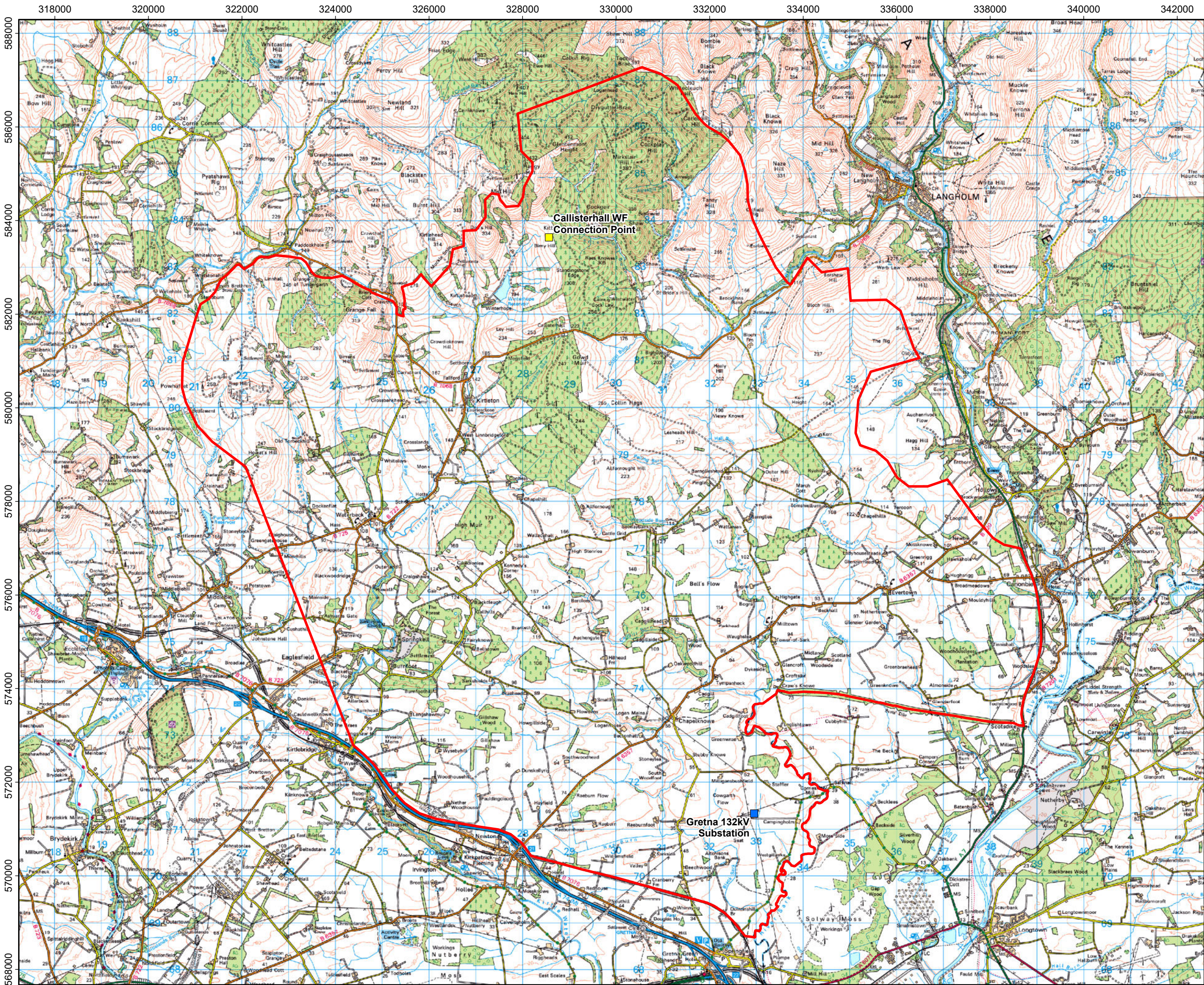
ID: Fig3\_2\_Initial\_Study\_Area\_A3L



Scale: 1:75,000 @ A3

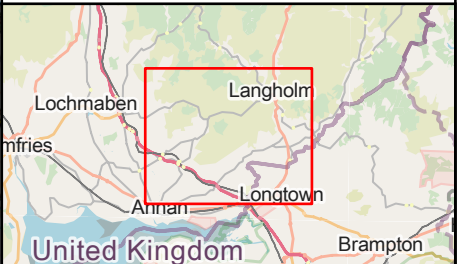






- Legend:
- Study Area
  - Callisterhall WF Connection Point
  - Gretna 132kV Substation

Coordinate System: British National Grid  
Projection: Transverse Mercator  
Datum: OSGB 1936  
Units: Meter



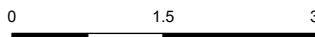
| Rev | Date       | Description | Drn | Chk | App |
|-----|------------|-------------|-----|-----|-----|
| 00  | 31/10/2025 | Final Issue | FF  | CC  | RB  |

Callisterhall WF Grid Connection

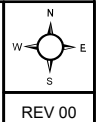


TITLE: Figure 4.1:  
Refined Study Area

ID: Fig\_1\_Refined\_Study\_Area\_A3L

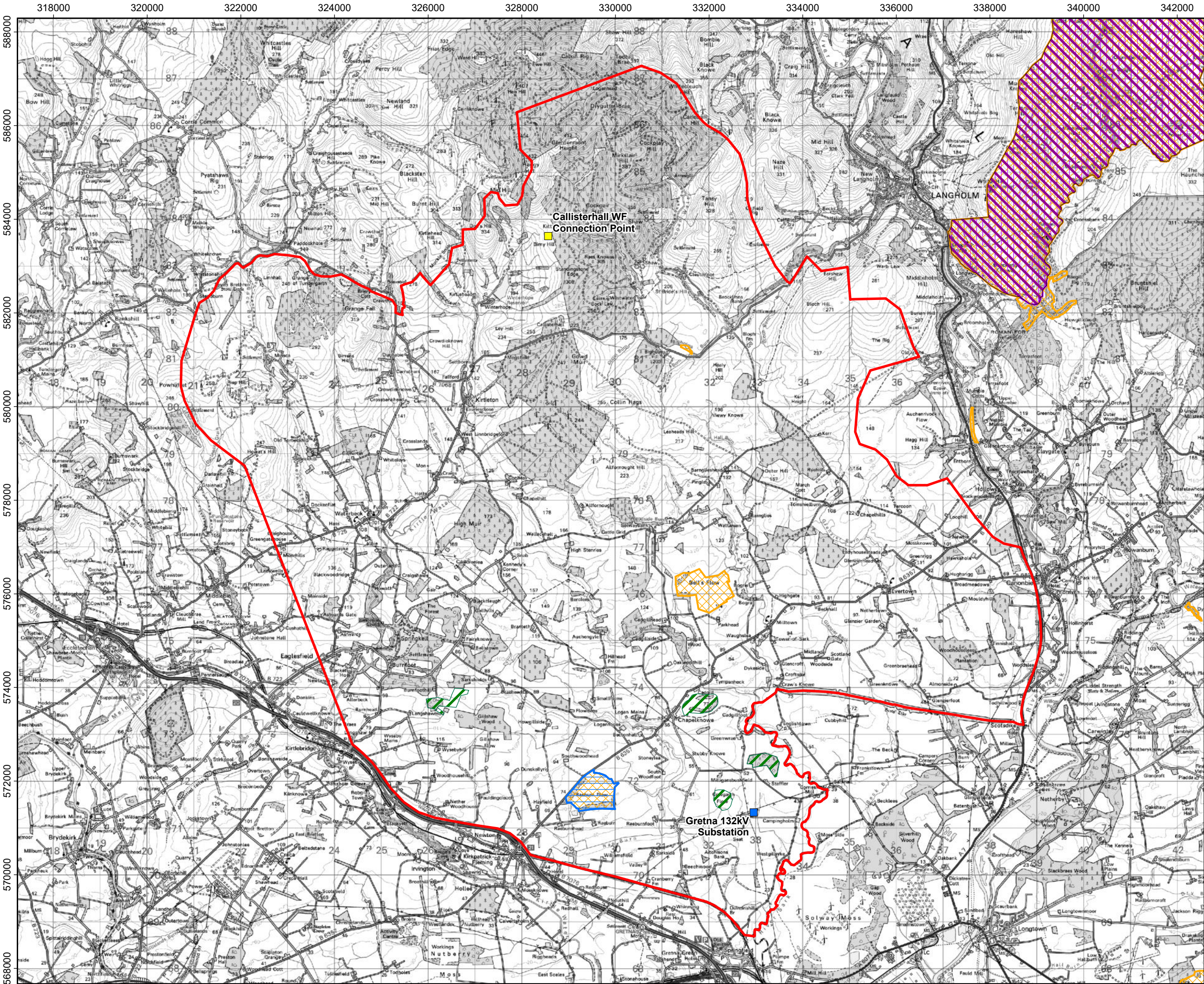


Scale: 1:75,000 @ A3



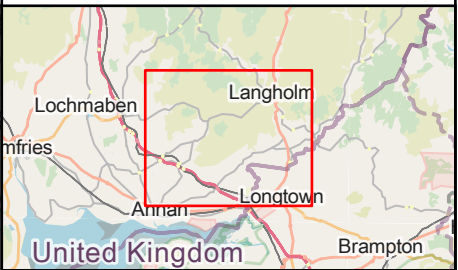
REV 00





- Legend:**
- Study Area
  - Callisterhall WF Connection Point
  - Gretna 132kV Substation
  - Important Bird Areas
  - Local Nature Conservation Sites
  - Special Areas of Conservation STATUS
  - Current
  - Sites of Special Scientific Interest
  - Special Protection Areas

Coordinate System: British National Grid  
Projection: Transverse Mercator  
Datum: OSGB 1936  
Units: Meter



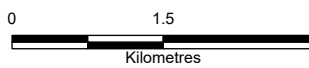
| Rev | Date       | Description | Drn | Chk | App |
|-----|------------|-------------|-----|-----|-----|
| 00  | 31/10/2025 | Final Issue | FF  | CC  | RB  |

Callisterhall WF Grid Connection

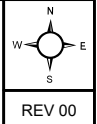


TITLE: Figure 4.2:  
Ecological Designations

ID: Fig4\_2\_Ecological\_Designations\_A3L

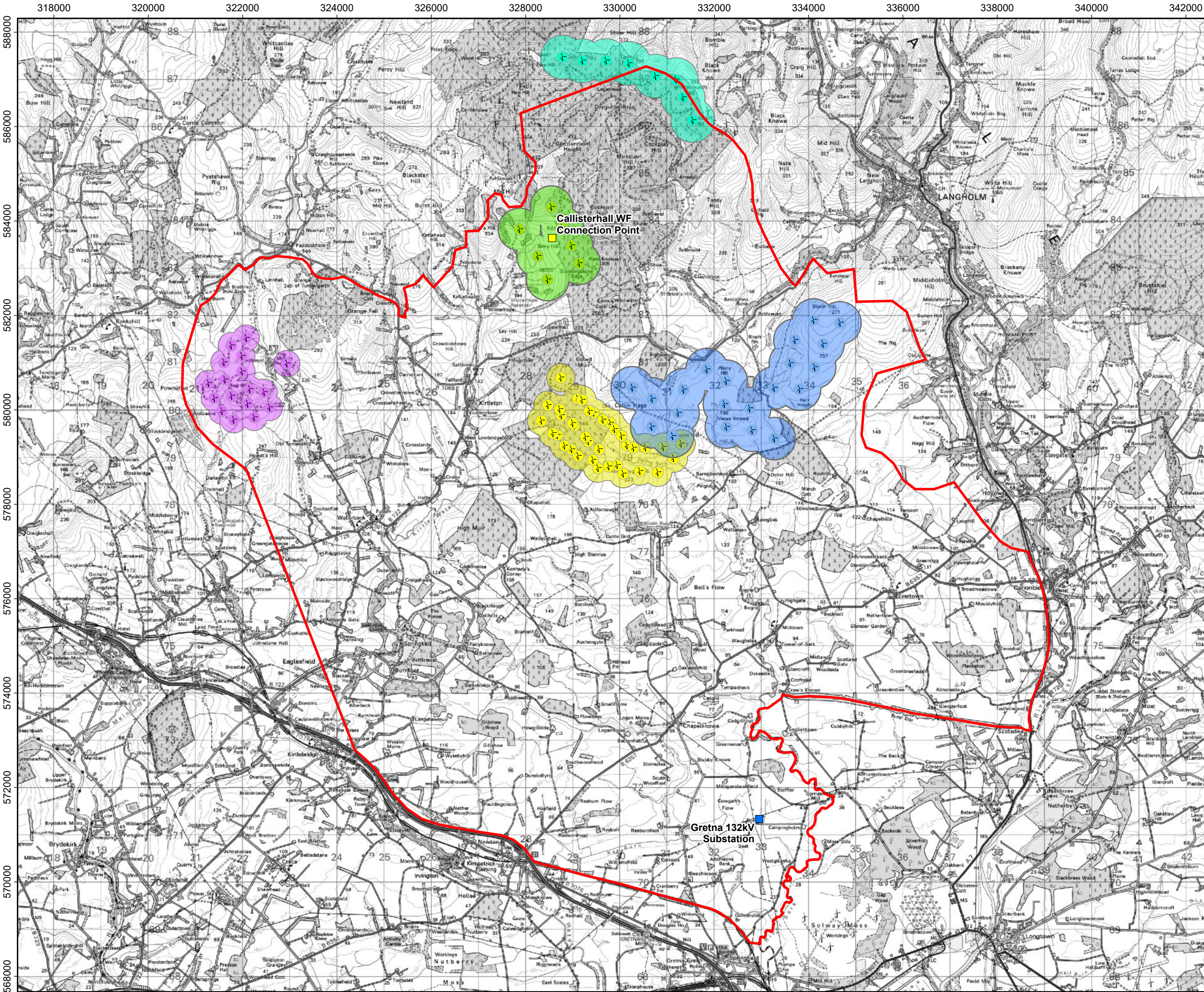


Scale: 1:75,000 @ A3



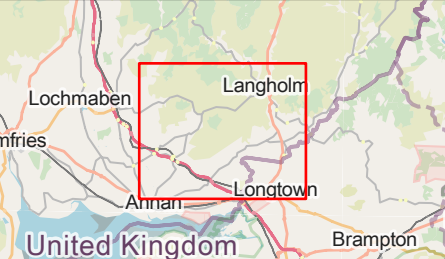
REV 00





- Legend:**
- Study Area
  - Callisterhall WF Connection Point
  - Gretna 132kV Substation
  - Callisterhall Wind Turbines
  - Callisterhall Wind Turbines 450 m Buffer
  - Loganhead Wind Turbines
  - Loganhead Wind Turbines 465 m Buffer
  - Bloch Wind Turbines
  - Bloch Wind Turbines 450 m Buffer
  - Solwaybank Wind Turbines
  - Solwaybank Wind Turbines 300 m Buffer
  - Minsca Wind Turbines
  - Minsca Wind Turbines 279 m Buffer

Coordinate System: British National Grid  
Projection: Transverse Mercator  
Datum: OSGB 1936  
Units: Meter



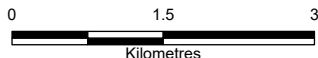
| Rev | Date       | Description | Drn | Chk | App |
|-----|------------|-------------|-----|-----|-----|
| 00  | 24/10/2025 | Final Issue | FF  | CC  | RB  |

Callisterhall WF Grid Connection

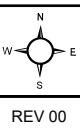


TITLE: Figure 4.3:  
Wind Farms and Wind Turbines

ID: Fig4\_3\_Wind\_Farms\_and\_Wind\_Turbines\_A3L

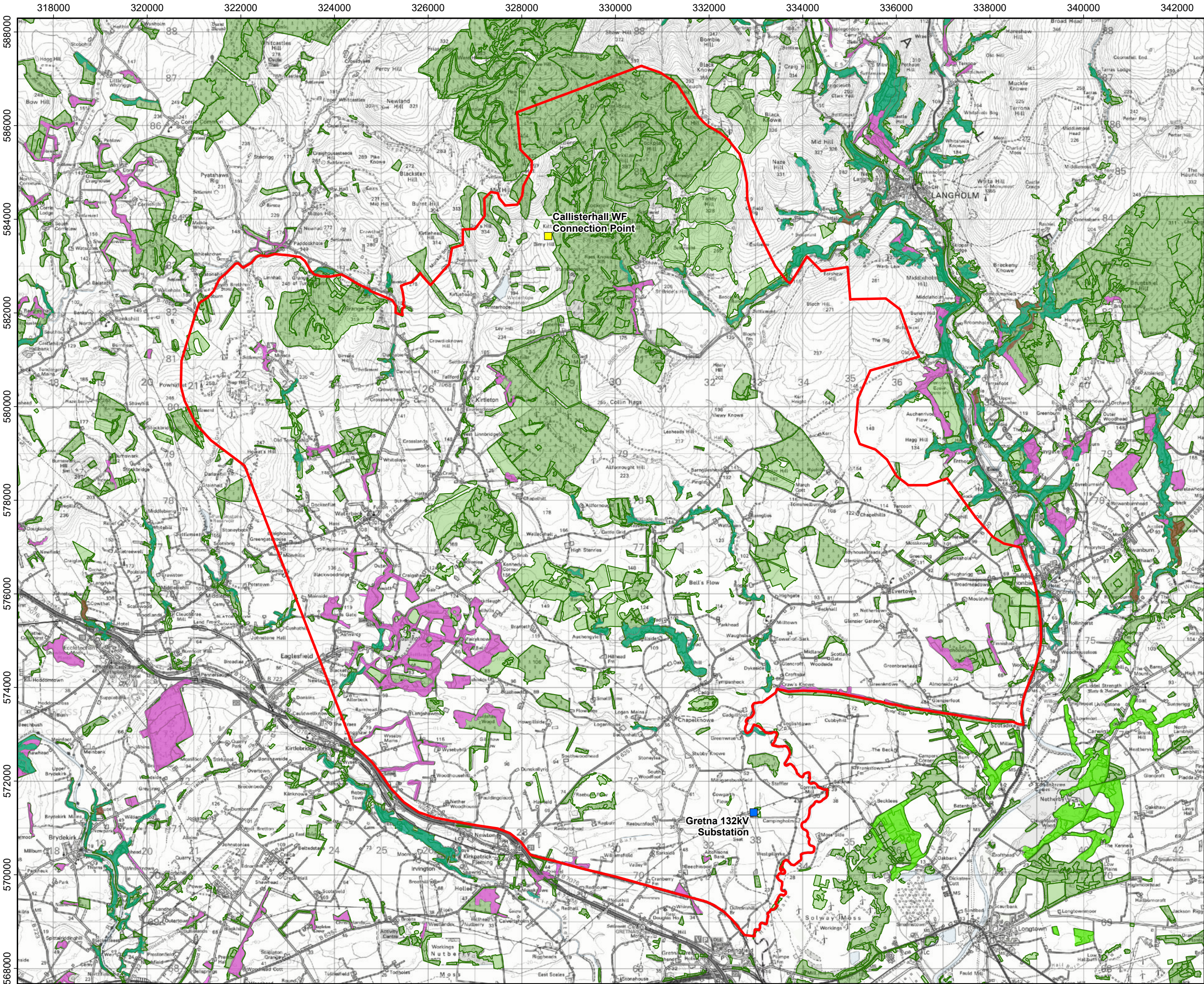


Scale: 1:75,000 @ A3



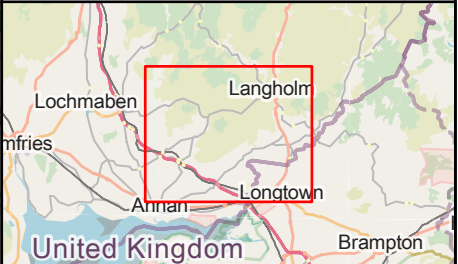
REV 00





- Legend:**
- Study Area
  - Callisterhall WF Connection Point
  - Gretna 132kV Substation
  - Scotland Constraints**
  - Ancient Woodland Inventory**
  - ANTIQUITY**
  - Ancient (of semi-natural origin)
  - Long-Established (of plantation origin)
  - Other (on Roy map)
  - England Constraints**
  - Ancient Woodland
  - National Forest Inventory (2022)

Coordinate System: British National Grid  
Projection: Transverse Mercator  
Datum: OSGB 1936  
Units: Meter



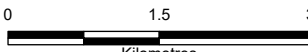
| Rev | Date       | Description | Drn | Chk | App |
|-----|------------|-------------|-----|-----|-----|
| 00  | 31/10/2025 | Final Issue | FF  | CC  | RB  |

Callisterhall WF Grid Connection

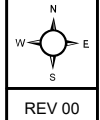


**TITLE:** Figure 4.4:  
Ancient Woodland and National  
Forest Inventory

ID: Fig4\_4\_Ancient\_Woodland\_and\_Forestry\_A3L

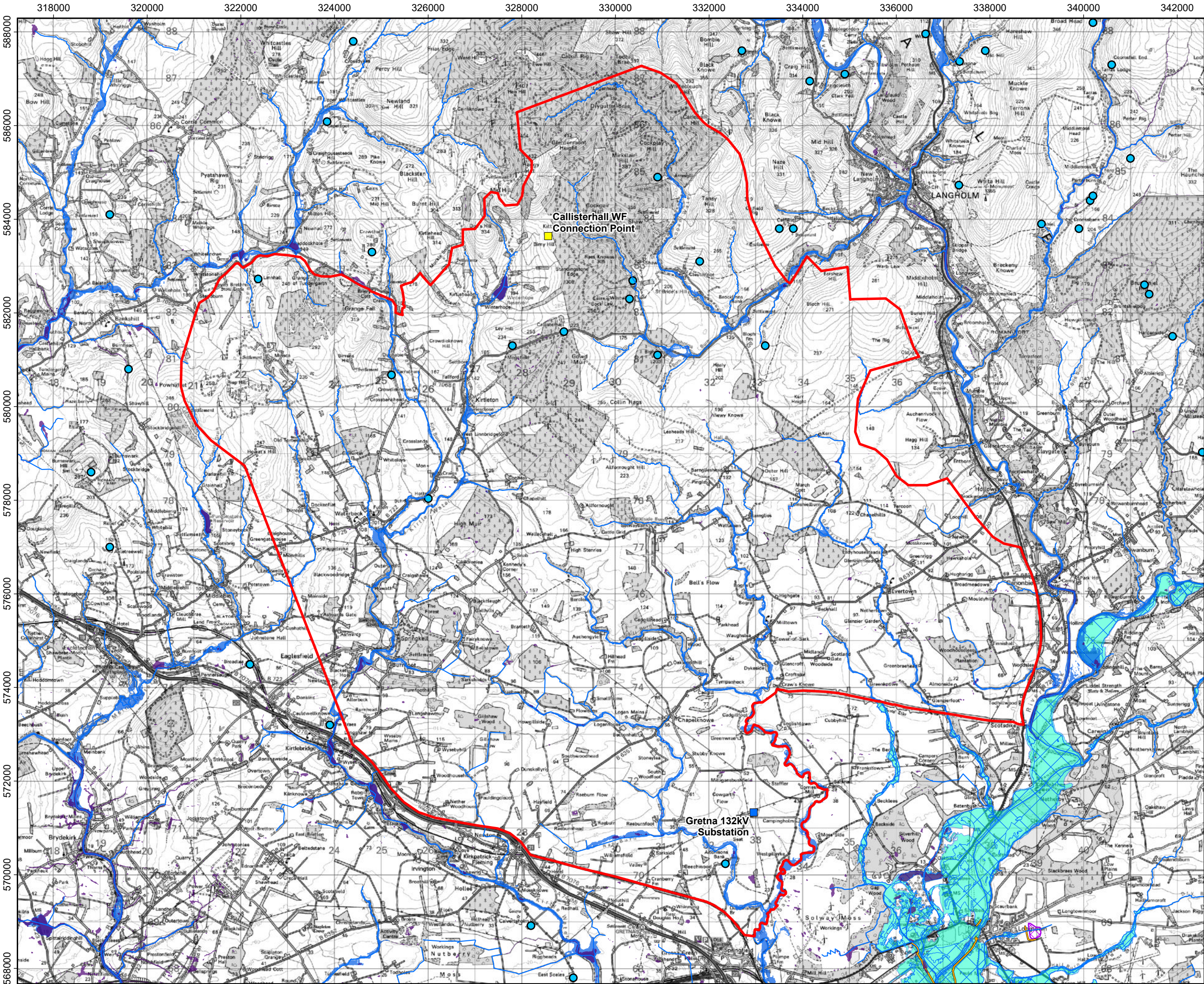


Scale: 1:75,000 @ A3



REV 00





- Legend:**
- Study Area
  - Callisterhall WF Connection Point
  - Gretna 132kV Substation
  - OS Open Rivers
  - Scotland Constraints
  - Private Water Supply Sources
  - Private Water Supply Sources
  - Surface Water Flood Risk High
  - River Flood Risk High
  - England Constraints
  - Flood Defences
  - Flood Zone 3
  - Flood Zone 2
  - Flood Storage Areas

Coordinate System: British National Grid  
Projection: Transverse Mercator  
Datum: OSGB 1936  
Units: Meter



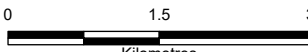
| Rev | Date       | Description | Drn | Chk | App |
|-----|------------|-------------|-----|-----|-----|
| 00  | 31/10/2025 | Final Issue | FF  | CC  | RB  |

Callisterhall WF Grid Connection

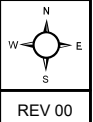
**RSK**

TITLE: Figure 4.5:  
Hydrology Features

ID: Fig\_4\_5\_Hydrology\_Features\_A3L

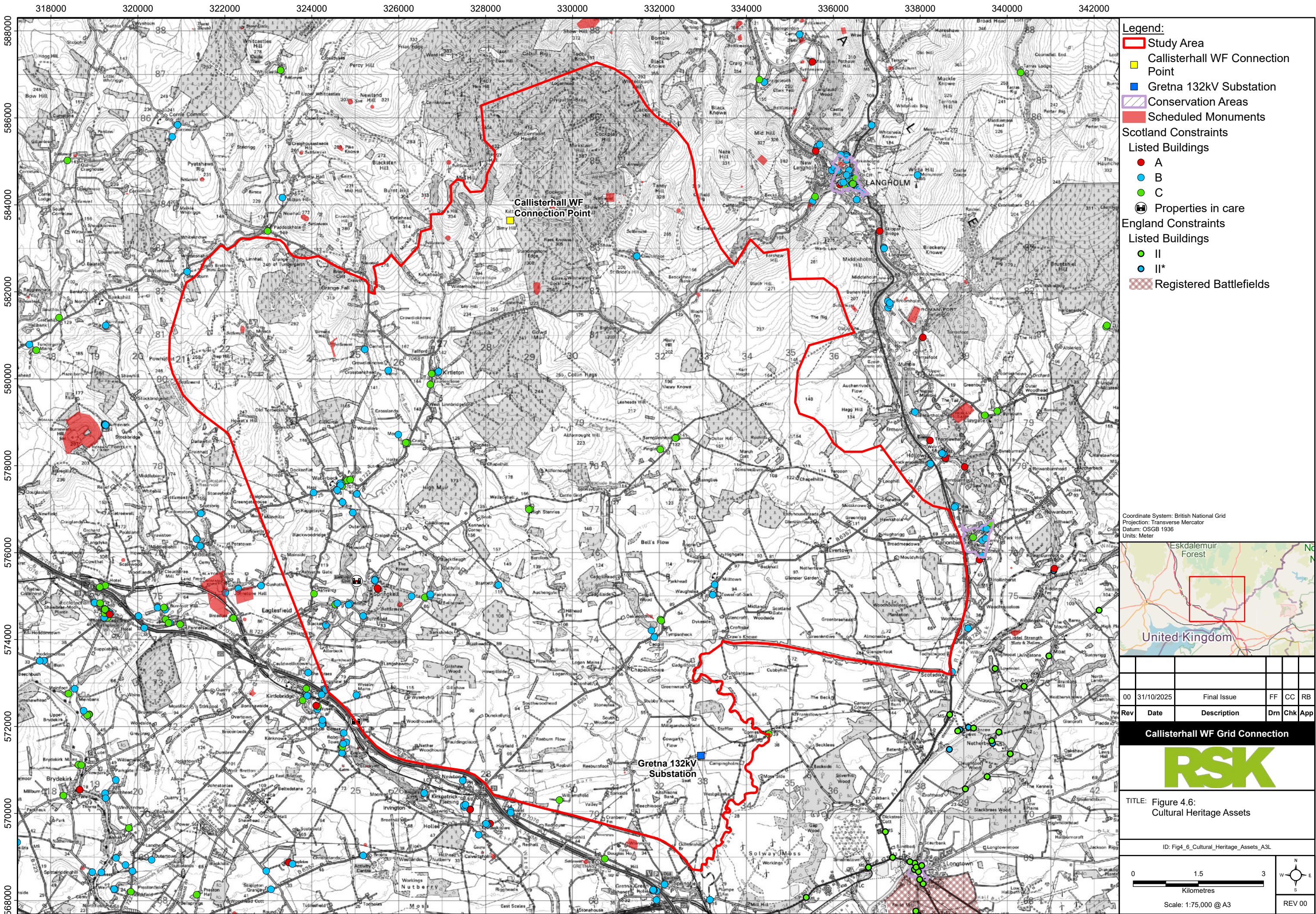


Scale: 1:75,000 @ A3

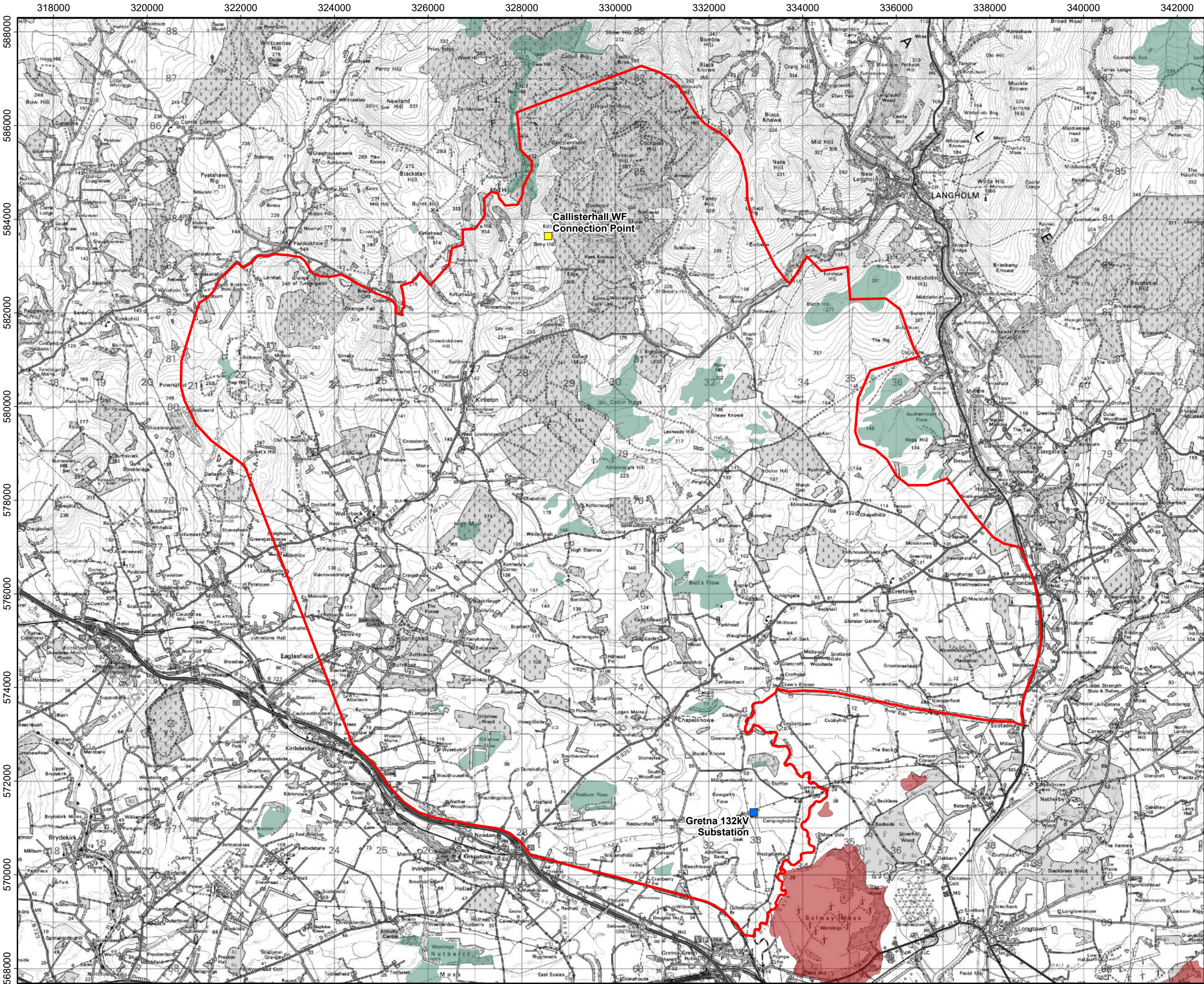


REV 00



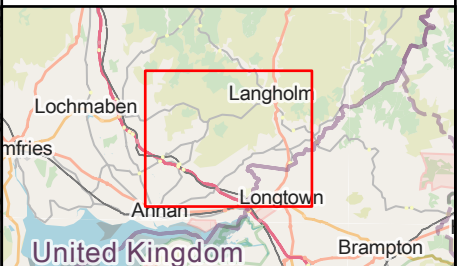






- Legend:**
- Study Area
  - Callisterhall WF Connection Point
  - Gretna 132kV Substation
  - Scotland Constraints
  - Carbon and Peatland 2016
  - IMPORTANCE
  - Class 1
  - England Constraints
  - Peaty Soils
  - Deep Peaty Soils

Coordinate System: British National Grid  
Projection: Transverse Mercator  
Datum: OSGB 1936  
Units: Meter



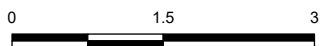
| Rev | Date       | Description | Drn | Chk | App |
|-----|------------|-------------|-----|-----|-----|
| 00  | 31/10/2025 | Final Issue | FF  | CC  | RB  |

Callisterhall WF Grid Connection

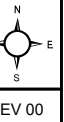


TITLE: Figure 4.7:  
Areas of Peat

ID: Fig4\_7\_Areas\_of\_Peat\_A3L

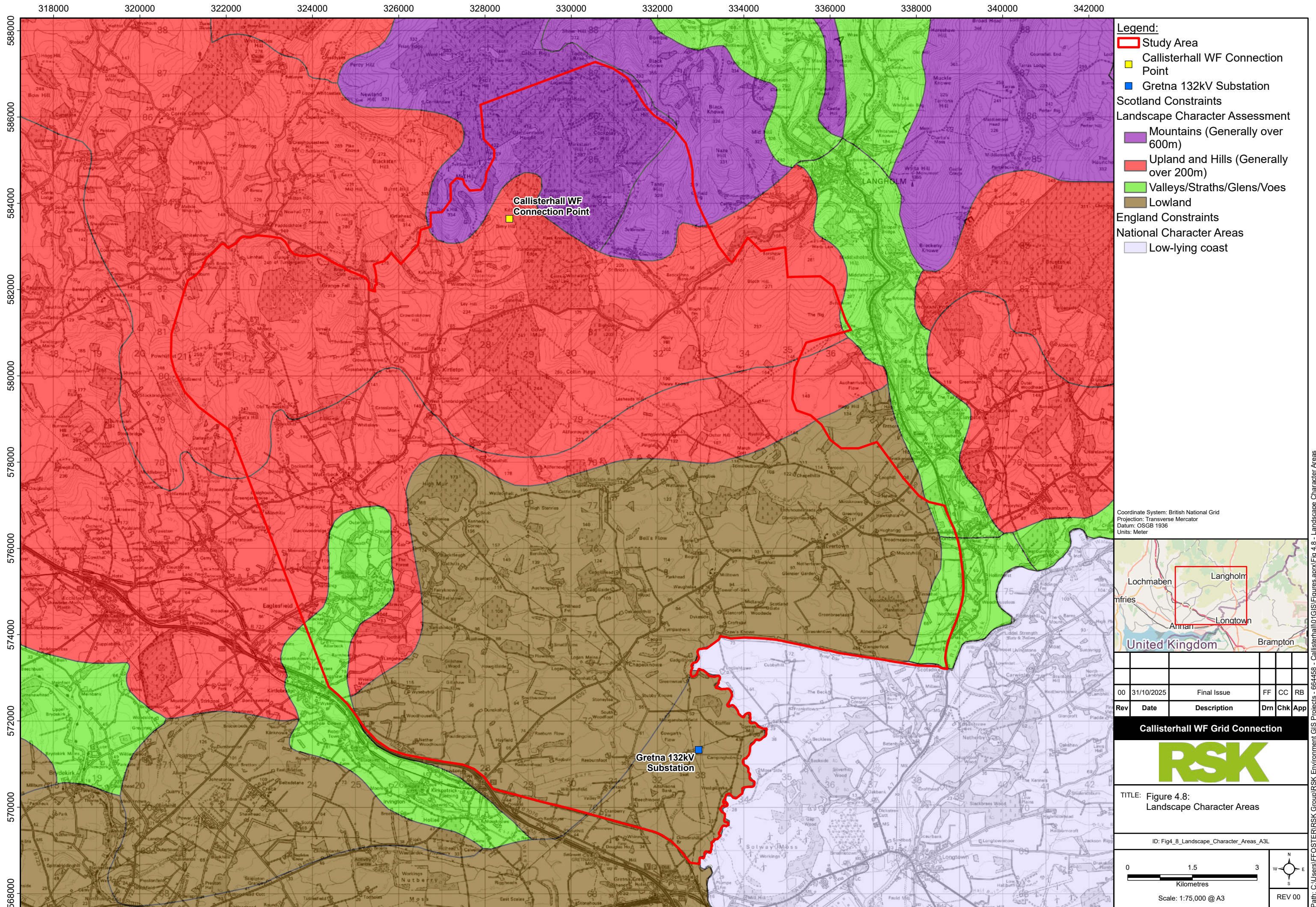


Scale: 1:75,000 @ A3

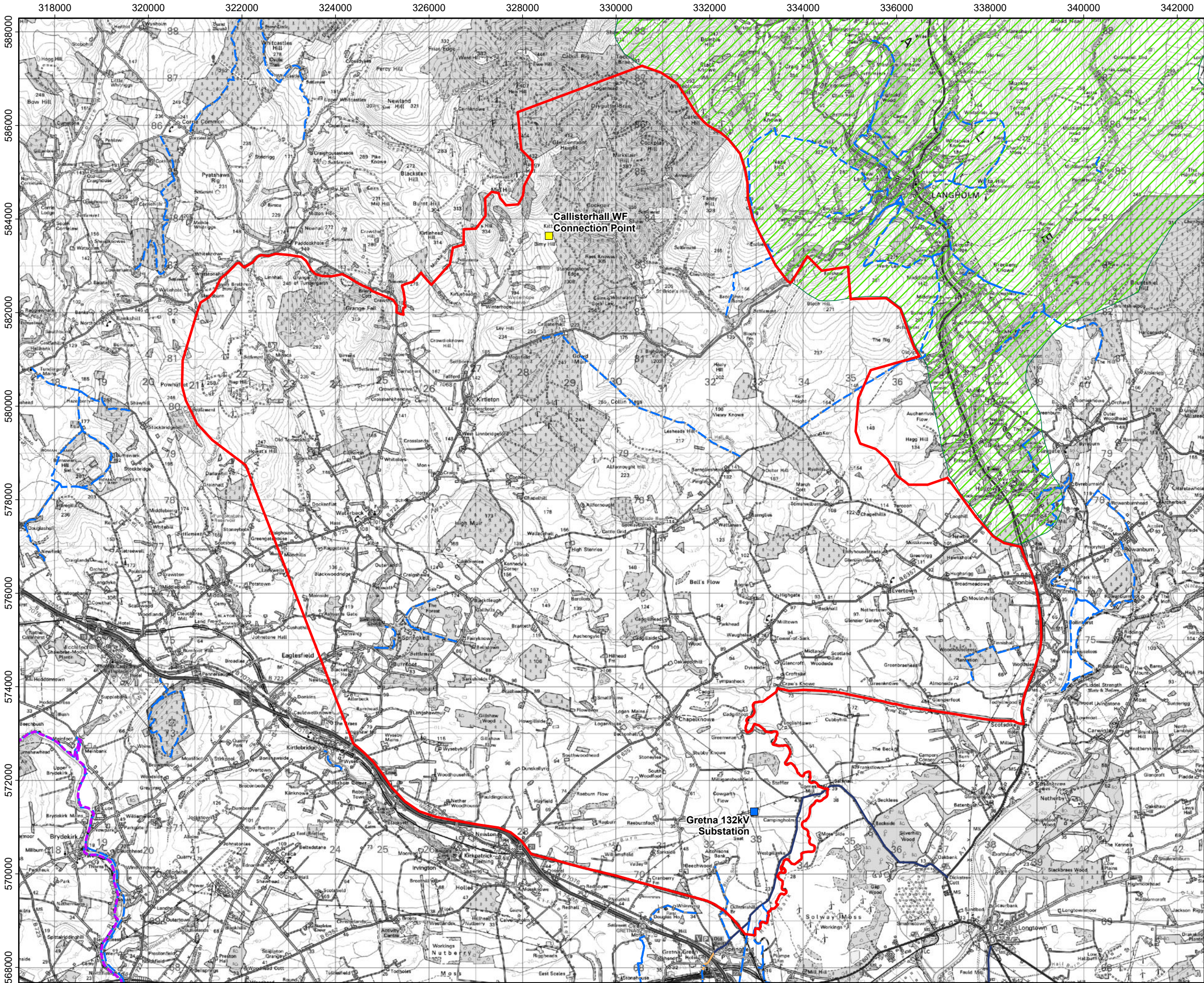


REV 00



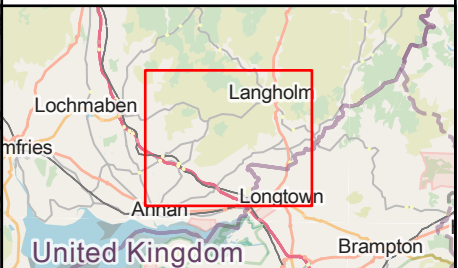






- Legend:**
- Study Area
  - Callisterhall WF Connection Point
  - Gretna 132kV Substation
  - Great Trails
  - Core Paths
  - National Cycle Network
  - TrafficFree
  - OnRoad
  - Local Landscape Areas

Coordinate System: British National Grid  
Projection: Transverse Mercator  
Datum: OSGB 1936  
Units: Meter



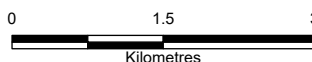
| Rev | Date       | Description | Drn | Chk | App |
|-----|------------|-------------|-----|-----|-----|
| 00  | 31/10/2025 | Final Issue | FF  | CC  | RB  |

Callisterhall WF Grid Connection

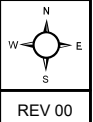


TITLE: Figure 4.9:  
Landscape Designations

ID: Fig4\_9 Landscape\_Designations\_A3L

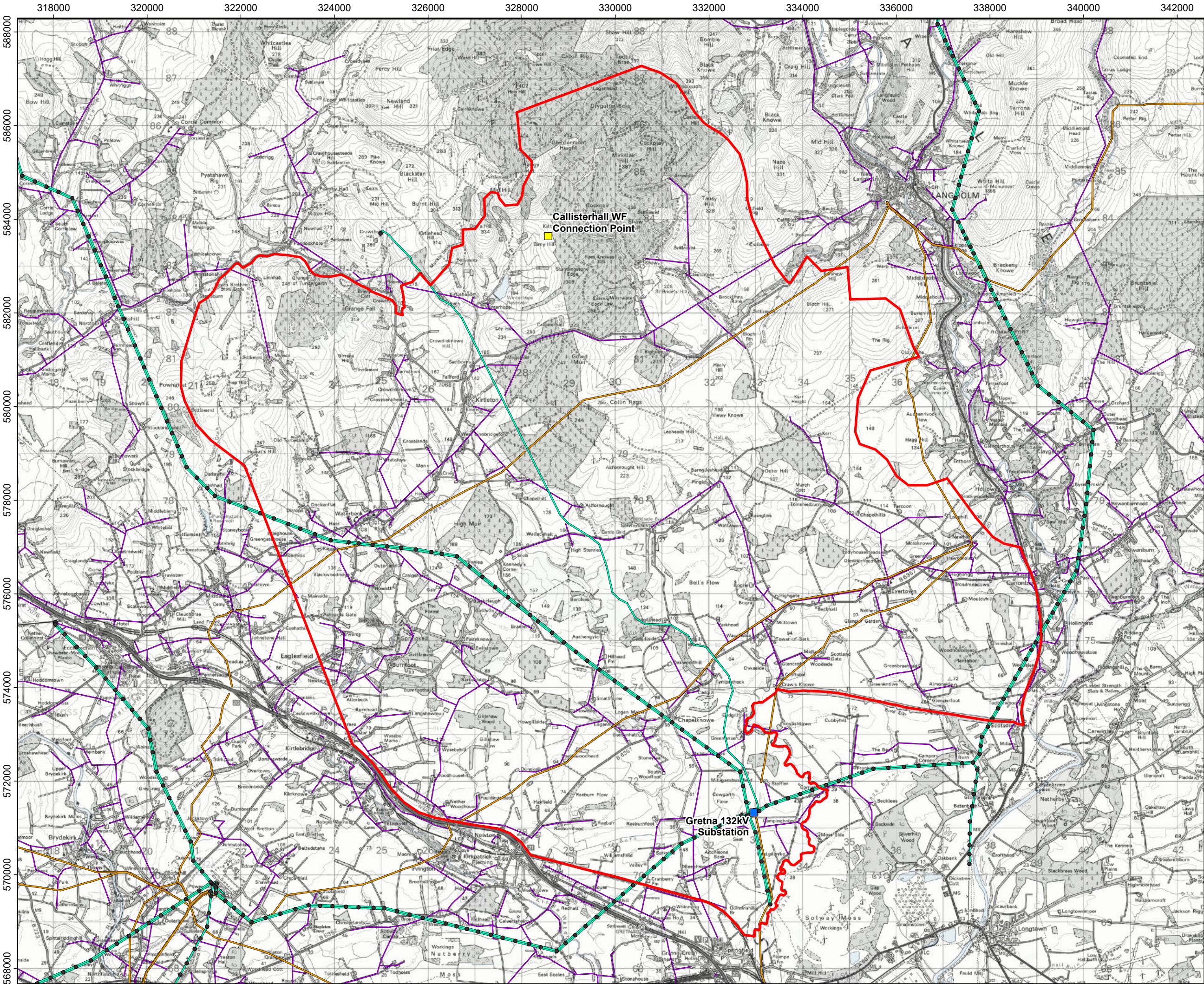


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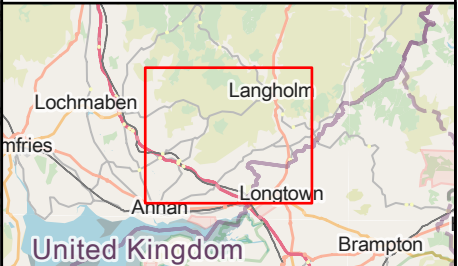
REV 00





- Legend:**
- Study Area
  - Callisterhall WF Connection Point
  - Gretna 132kV Substation
  - SPEN Infrastructure**
    - SPT
    - SPT
    - 33kV OHL
    - 11kV OHL

Coordinate System: British National Grid  
Projection: Transverse Mercator  
Datum: OSGB 1936  
Units: Meter



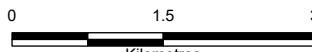
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| 00  | 31/10/2025 | Final Issue | FF  | CC  | RB  |

Callisterhall WF Grid Connection

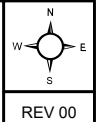


TITLE: Figure 5.1:  
Existing SPEN Infrastructure

ID: Fig5\_1\_Existing\_SPEN\_Infrastructure\_A3L

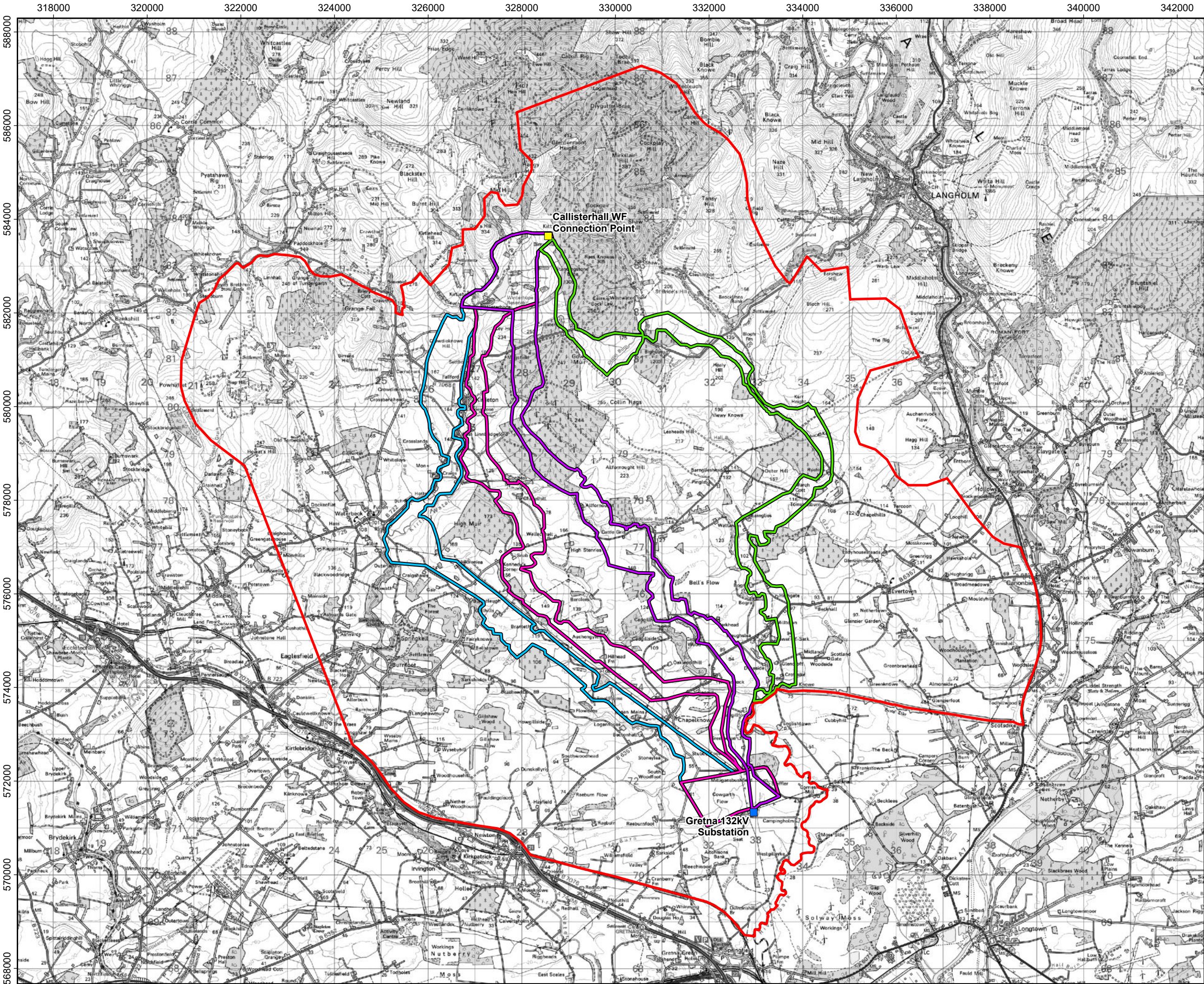


Scale: 1:75,000 @ A3



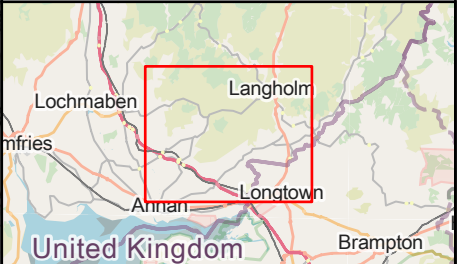
REV 00





- Legend:**
- Study Area
  - Callisterhall WF Connection Point
  - Gretna 132kV Substation
  - Route Corridor Options
    - A
    - B
    - C
    - D

Coordinate System: British National Grid  
Projection: Transverse Mercator  
Datum: OSGB 1936  
Units: Meter



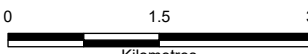
| Rev | Date       | Description | Drn | Chk | App |
|-----|------------|-------------|-----|-----|-----|
| 00  | 03/11/2025 | Final Issue | FF  | CC  | RB  |

Callisterhall WF Grid Connection

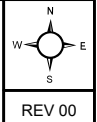


TITLE: Figure 6.1:  
Route Corridor Options

ID: Fig\_6\_1\_Route\_Corridor\_Options\_A3L

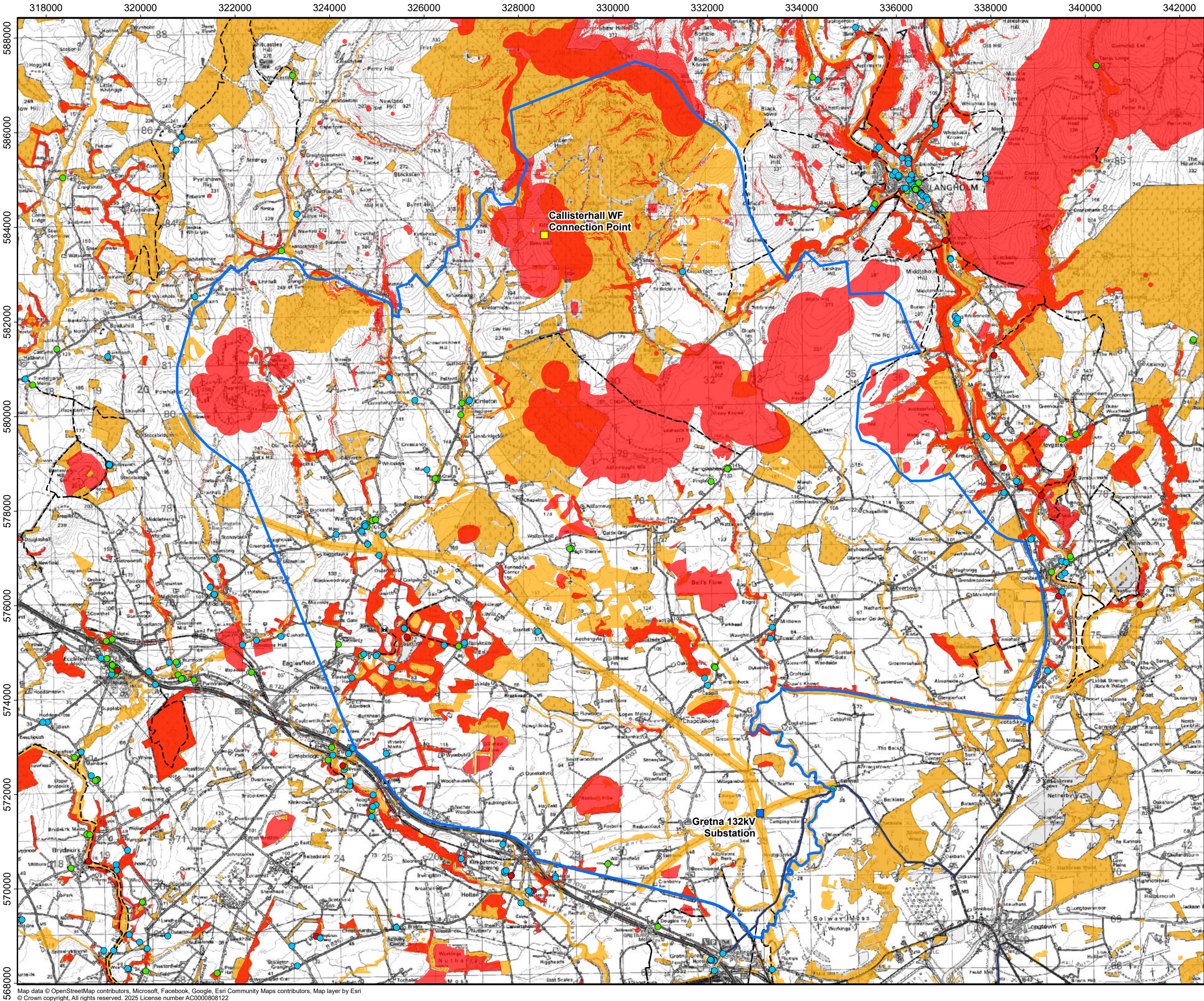


Scale: 1:75,000 @ A3



REV 00





Legend:

- Study Area
- Callisterhall WF Connection Point
- Gretna 132kV Substation
- Properties in care
- Listed Buildings
  - A
  - B
  - C
- Core Paths
- National Cycle Network
  - TrafficFree
  - OnRoad
- Amber Constraints
- Red Constraints

"Red Constraints" include:  
Properties in care  
Listed Buildings  
Slope >22 degrees  
Solwaybank Wind Turbines 300 m buffer  
Minsca Wind Turbines 279 m buffer  
Bloch Wind Turbines 450 m buffer  
Callisterhall Wind Turbines 450 m buffer  
Loganhead Wind Turbines 465 m buffer  
Private Water Supply Sources (50 m buffer)  
Geological Conservation Review Sites  
Carbon and Peatland 2016 (Class 1)  
Scheduled Monuments  
SPAs  
SACs  
SSSIs  
Ancient Woodland Inventory

Coordinate System: WGS 1984 Web Mercator Auxiliary Sphere  
Projection: Mercator Auxiliary Sphere  
Datum: WGS 1984  
Units: Meter



| Rev | Date       | Description | Drn | Chk | App |
|-----|------------|-------------|-----|-----|-----|
| 00  | 03/11/2025 | Final Issue | FF  | CC  | RB  |

Callisterhall WF Grid Connection

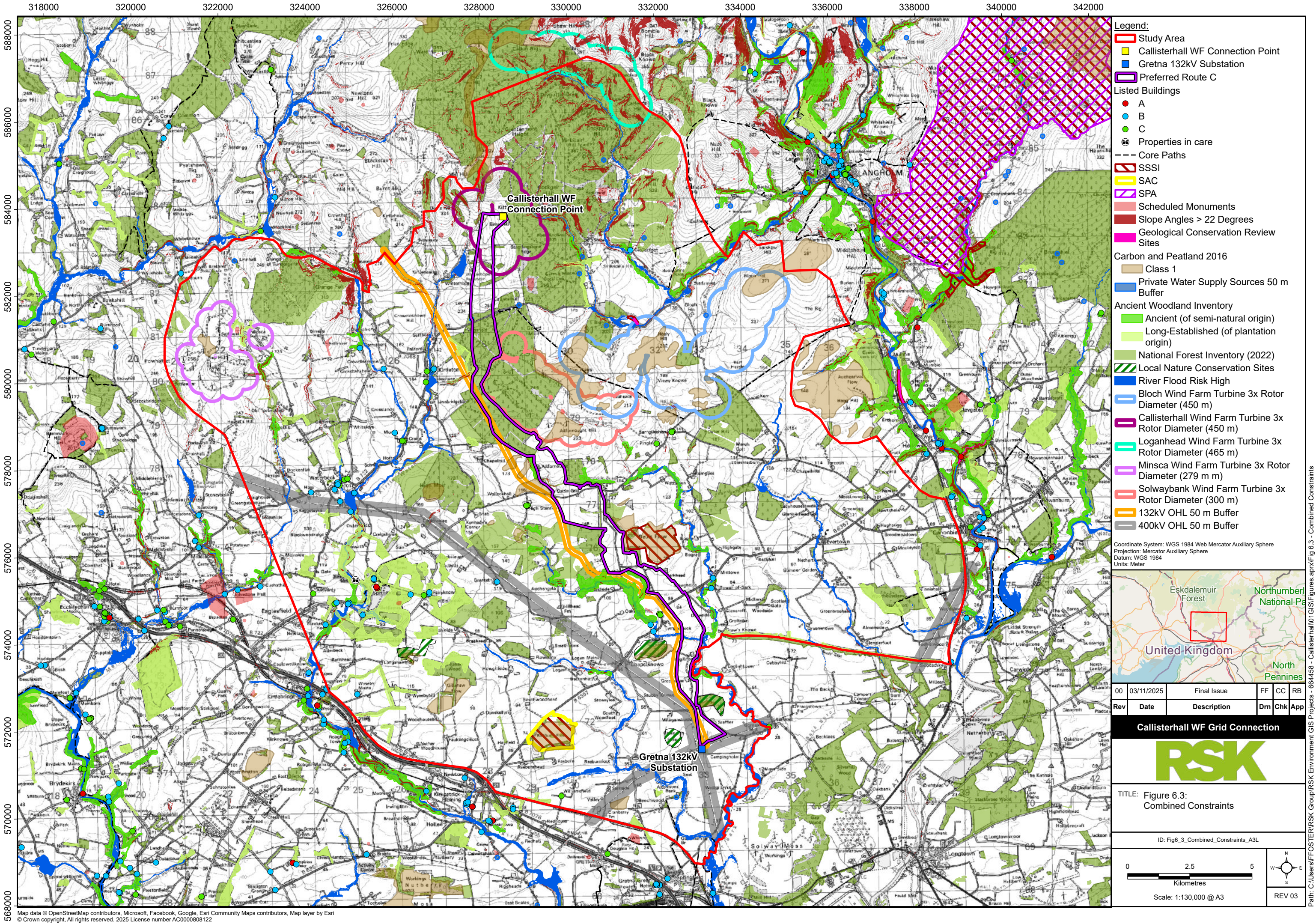
TITLE: Figure 6.2:  
RAG Constraints

ID: Fig6\_2\_RAG\_Constraints\_A3L

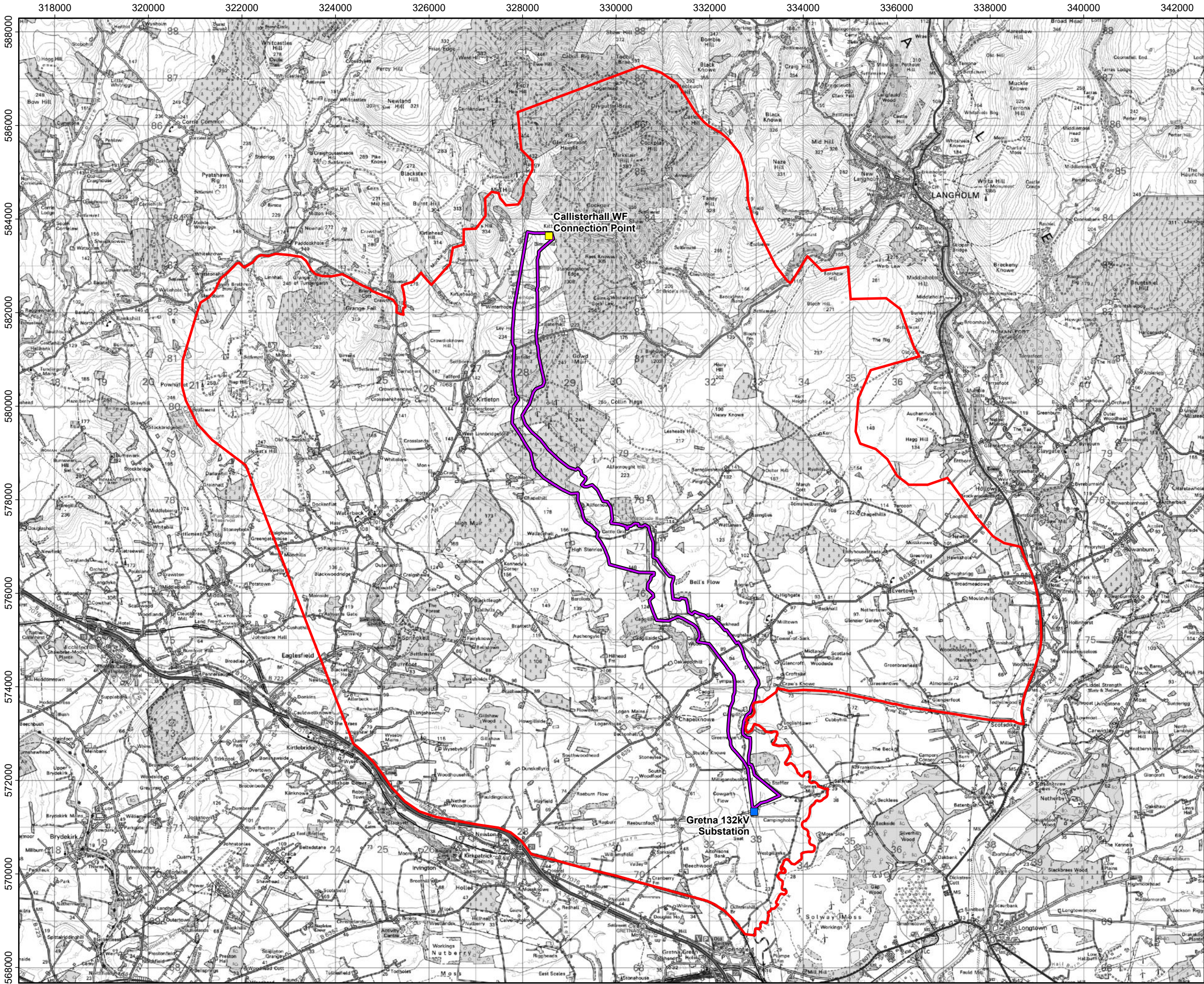
Scale: 1:130,000 @ A3

REV 03









- Legend:**
- Study Area
  - Callisterhall WF Connection Point
  - Gretna 132kV Substation
- Preferred Route:**
- C

Coordinate System: British National Grid  
Projection: Transverse Mercator  
Datum: OSGB 1936  
Units: Meter



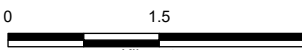
| Rev | Date       | Description | Drn | Chk | App |
|-----|------------|-------------|-----|-----|-----|
| 00  | 31/10/2025 | Final Issue | FF  | CC  | RB  |

Callisterhall WF Grid Connection

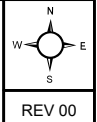


TITLE: Figure 7.1:  
Preferred Route

ID: Fig7\_1\_PREFERRED\_ROUTE\_A3L



Scale: 1:75,000 @ A3



REV 00



