

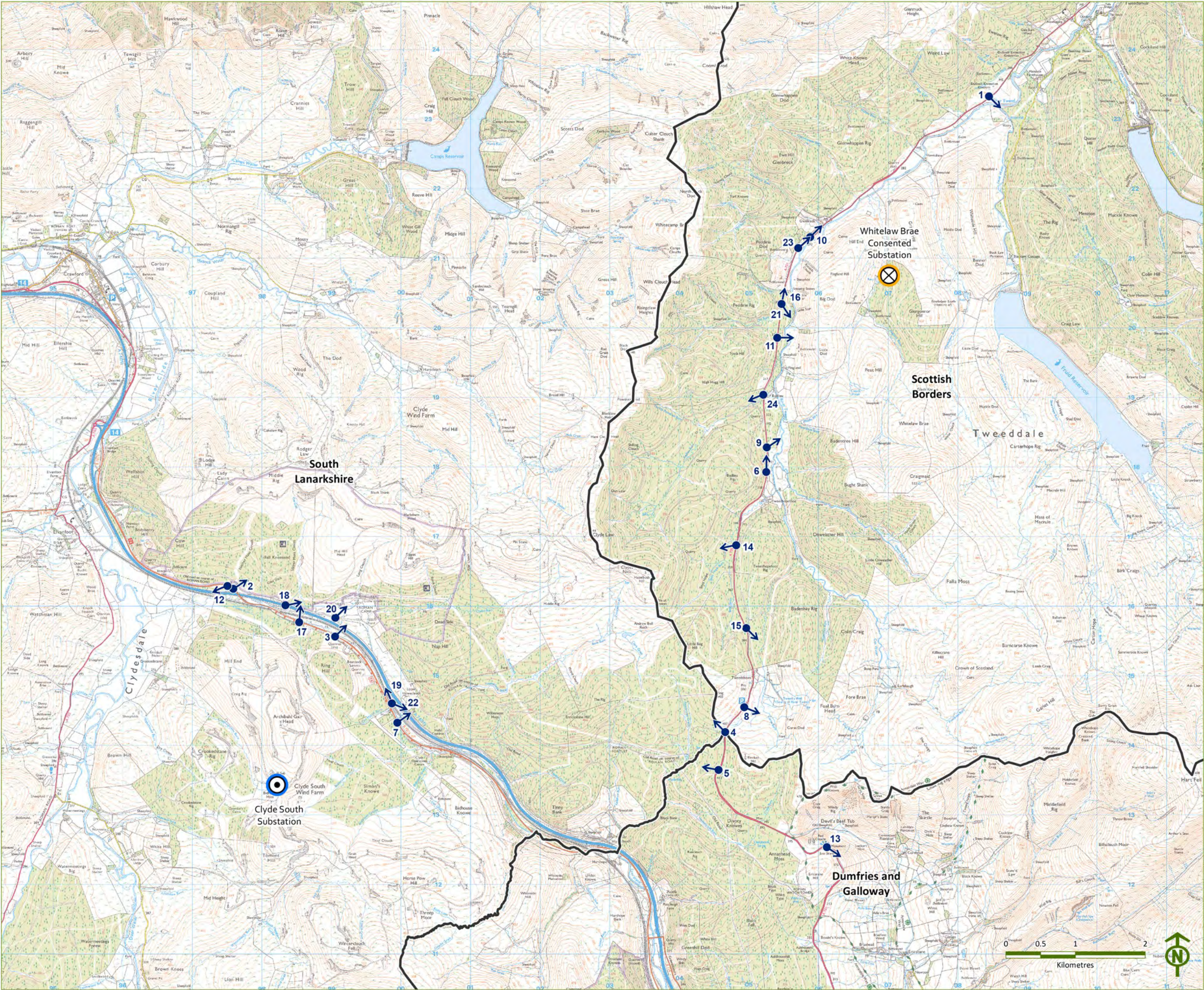
APPENDIX A: FIGURES 1-7 of 15

WHITELAW BRAE 33 kV
WIND FARM CONNECTION

FIGURE 1
LOCATION PLAN

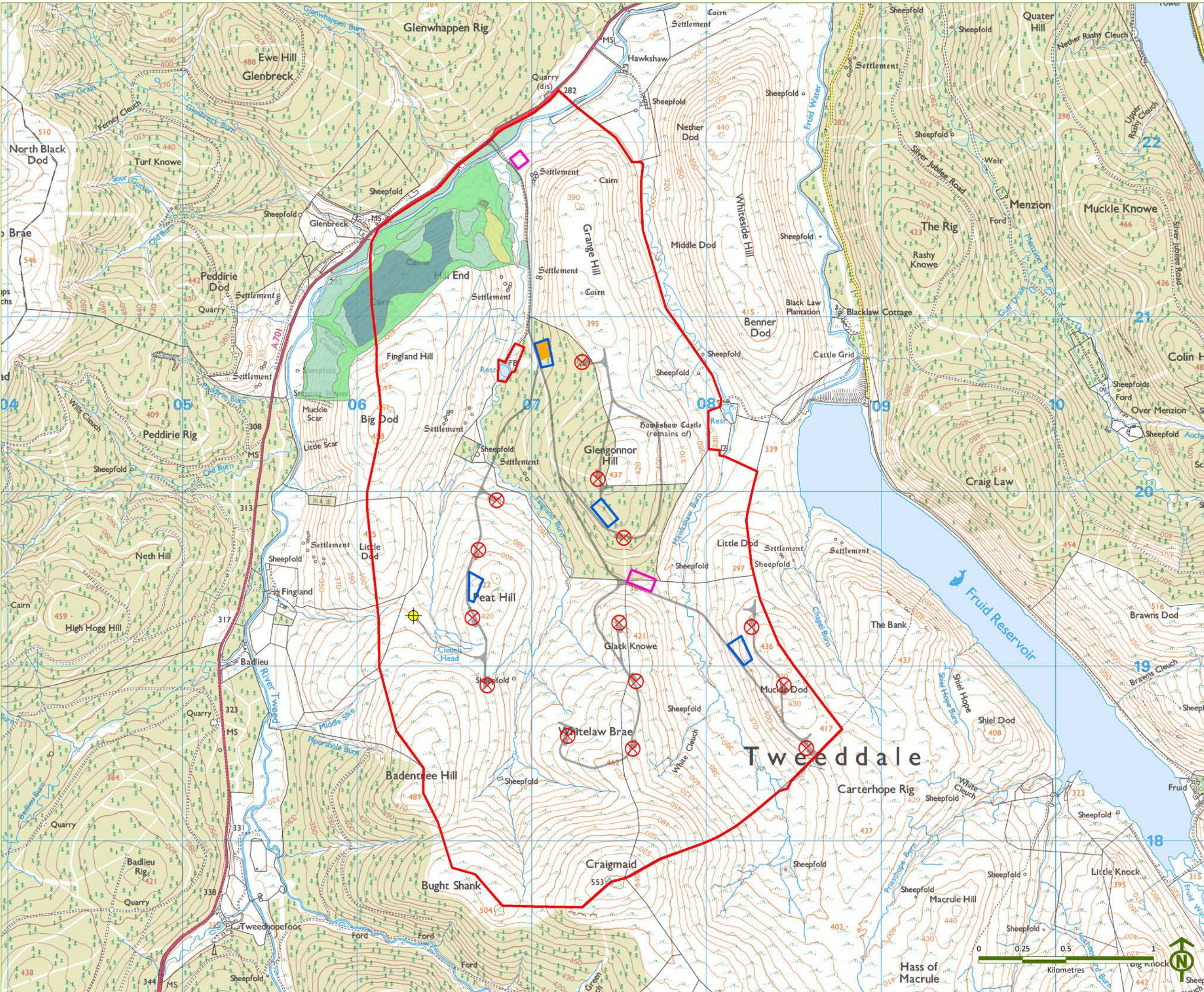
- KEY**
- Whitelaw Brae Consented Substation
 - Clyde South Substation
 - Local Authority Boundaries
 - Photo References

MAP SCALE AT A3 - 1:50,000



WHITELAW BRAE 33 kV
WIND FARM CONNECTION

FIGURE 2
CONSENTED ARRANGEMENT OF
WHITELAW BRAE WIND FARM



KEY

- Site Boundary
- Proposed Turbine Location
- Permanent Meteorological Mast
- Site Tracks
- Substation
- Borrow Pit
- Construction Compound

Planting Areas

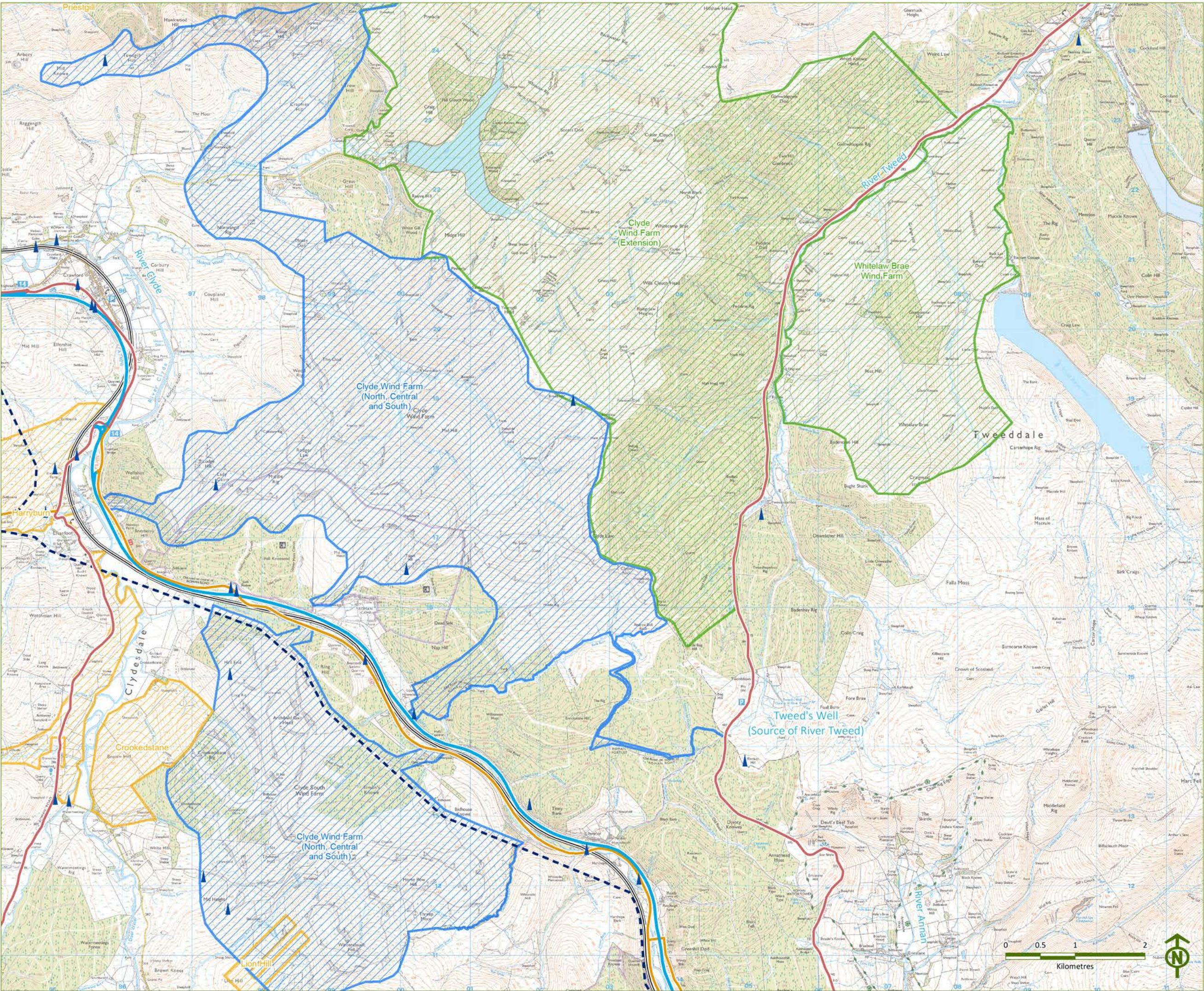
- Native Broadleaves (NBL) - 24.3ha
- Norway Spruce (NS) - 2.5ha
- Open Ground (OG) - 26.9ha
- Scots Pine (SP) - 0.1ha
- Sitka Spruce (SS) - 17.3ha

MAP SCALE AT A3 - 1:20,000



GILLESPIES

SP ENERGY NETWORKS



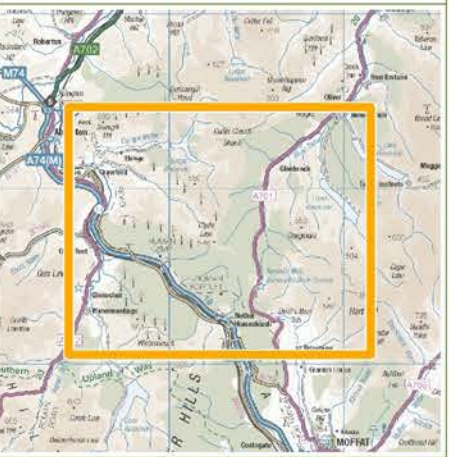
WHITELAW BRAE 33 kV WIND FARM CONNECTION

FIGURE 3a
EXISTING PHYSICAL AND
TECHNICAL CONSTRAINTS

KEY

- Motorway
- A Road
- B Road
- Railway
- Rivers
- Water Body
- National Grid Existing 400 kV Overhead Line
- Mast
- Onshore Windfarms
 - Installed
 - Approved
 - Application
 - Scoping

MAP SCALE AT A3 - 1:50,000



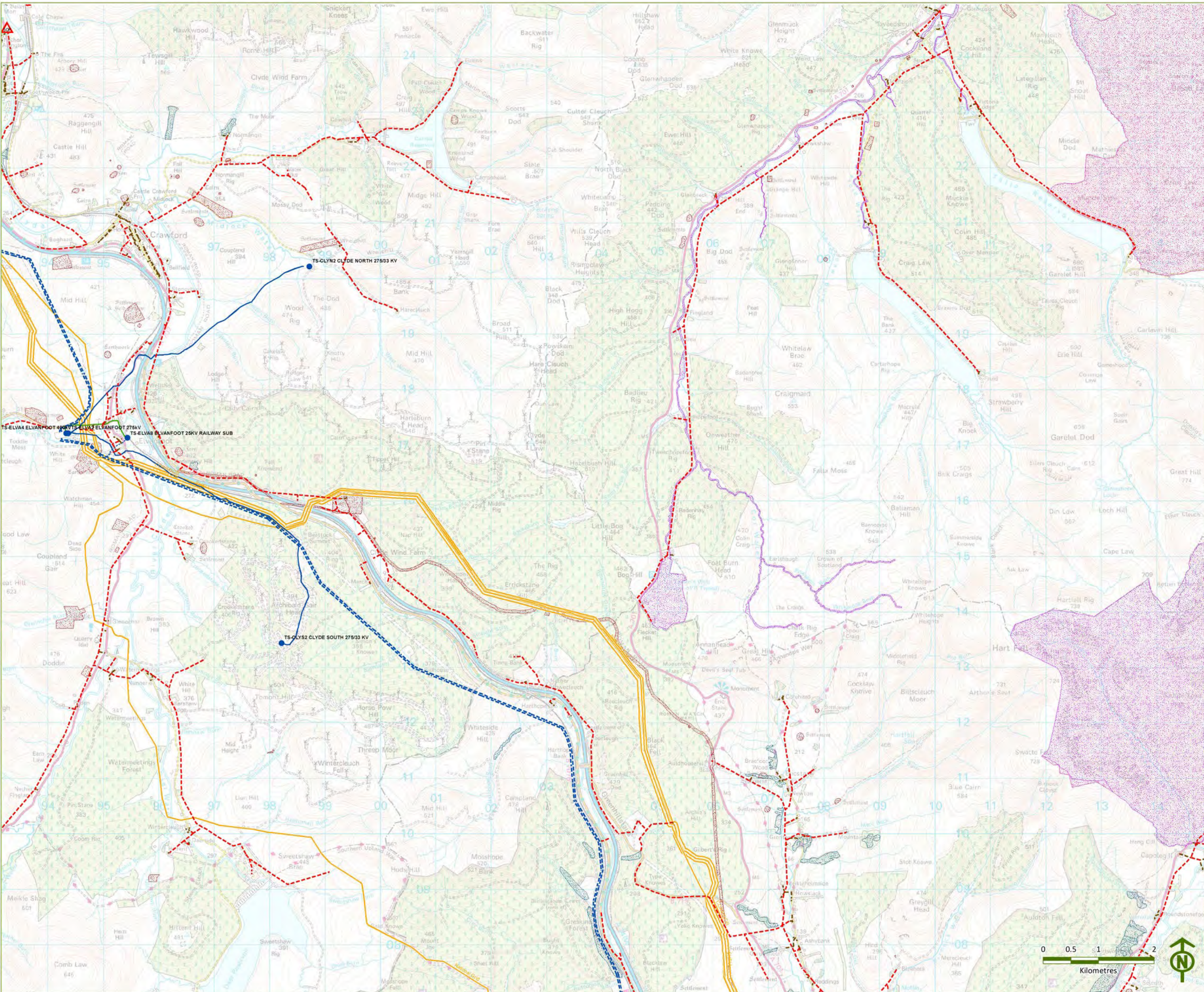
WHITELAW BRAE 33 kV
WIND FARM CONNECTION

FIGURE 3b
EXISTING PHYSICAL AND
TECHNICAL CONSTRAINTS

- KEY**
- National Grid Existing 400 kV ZV Overhead Line
 - SPEN 11 kV Overhead Line Network
 - Underground Cables
 - Pipelines
 - Outer Limits of Pipeline Corridor
 - SSSI
 - SAC
 - Scheduled Monument
 - Ancient Woodland Inventory

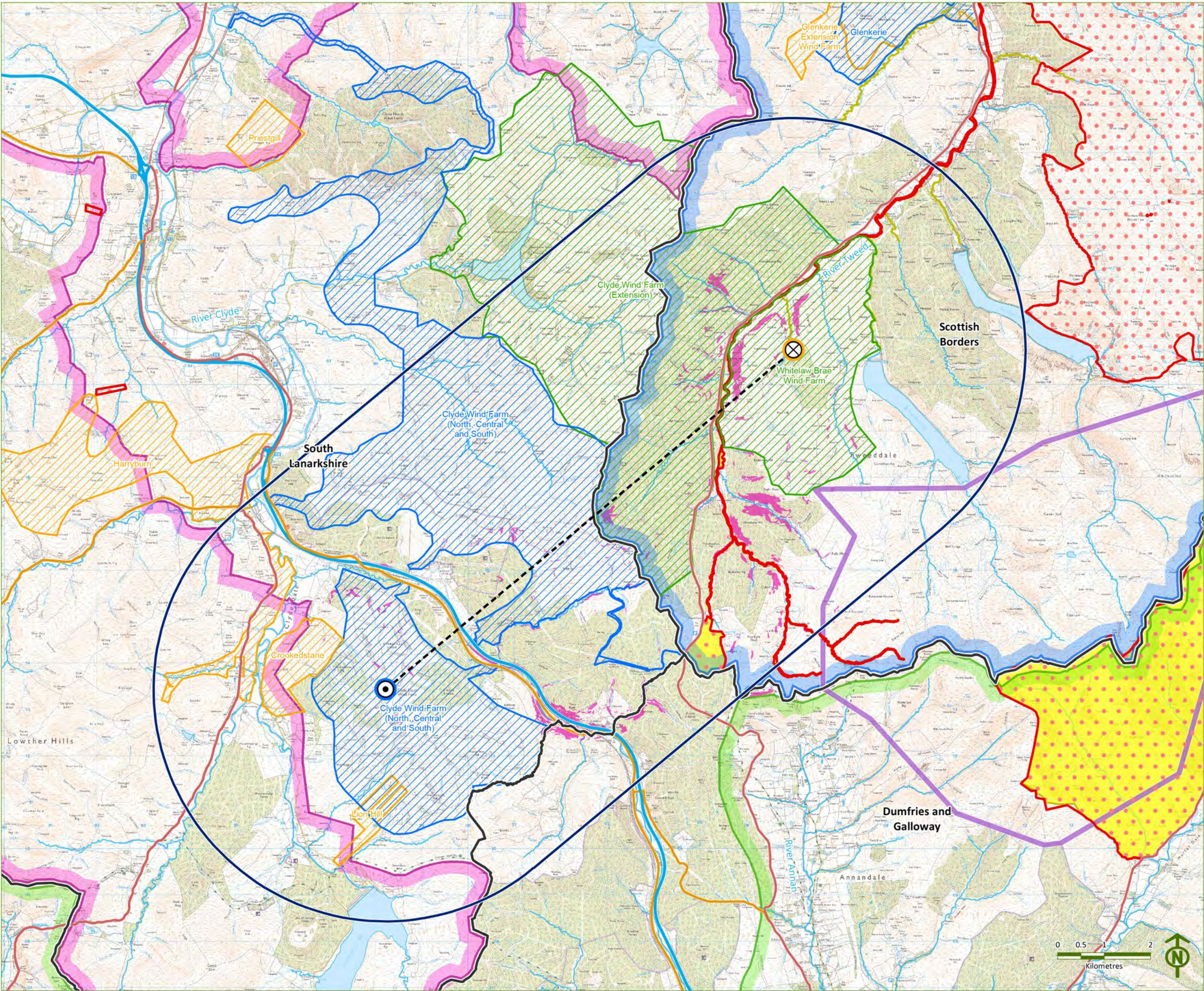
NOTE: THIS DRAWING IS AN EXTRACT OF A MAP
PRODUCED BY SPEN ON 09.01.2019.

MAP SCALE AT A3 - 1:63,000



WHITELAW BRAE 33 kV
WIND FARM CONNECTION

FIGURE 4
BROAD STUDY AREA



KEY

- Whitelaw Brae Consented Substation
- Clyde South Substation
- Direct route between substations
- 5km offset from direct route
- Local Authority Boundary
- Sites of Special Scientific Interest
- Special Areas of Conservation
- SBC - Special Landscape Area
- DGC - Regional Scenic Areas
- SLC - Special Landscape Area
- Talla-Hart fell Wildland Area
- Onshore Windfarms
 - Installed
 - Application
- Slope > 20°
- Roads
 - Motorway
 - A Road
 - B Road
- Rivers

MAP SCALE AT A3 - 1:75,000



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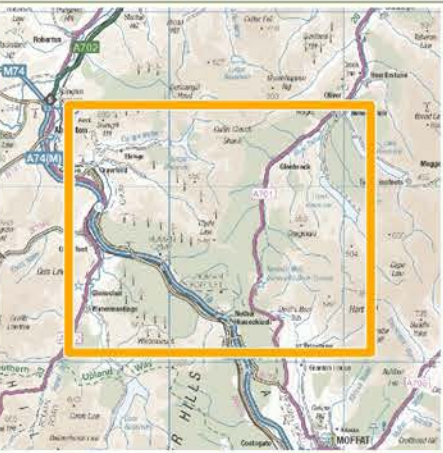
WHITELAW BRAE 33 kV
WIND FARM CONNECTION

FIGURE 5
INITIAL ROUTING STUDY AREA

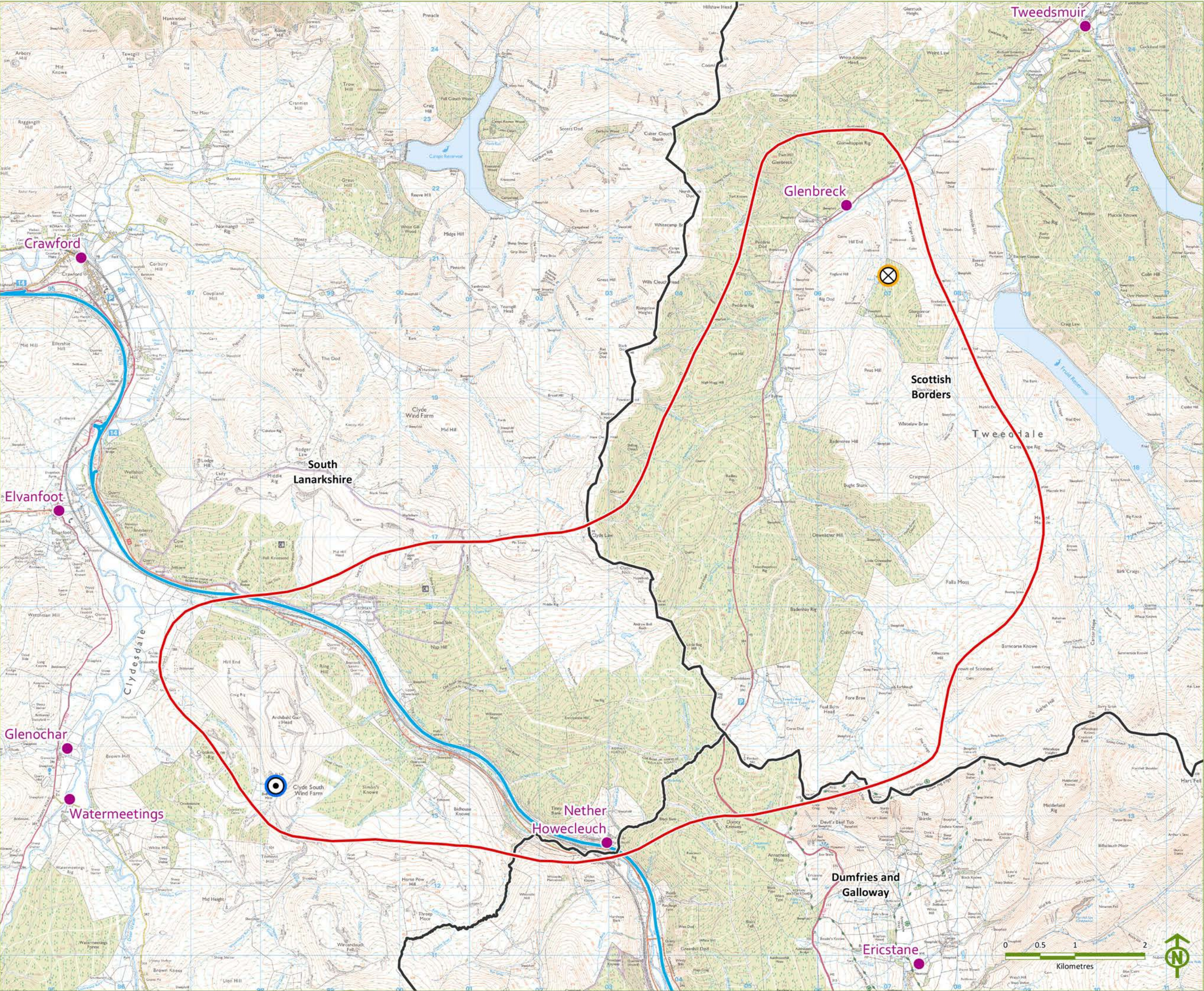
KEY

- Whitelaw Brae Consented Substation
- Clyde South Substation
- Initial Routing Study Area
- Local Authority Boundaries
- Motorway
- Settlement

MAP SCALE AT A3 - 1:50,000

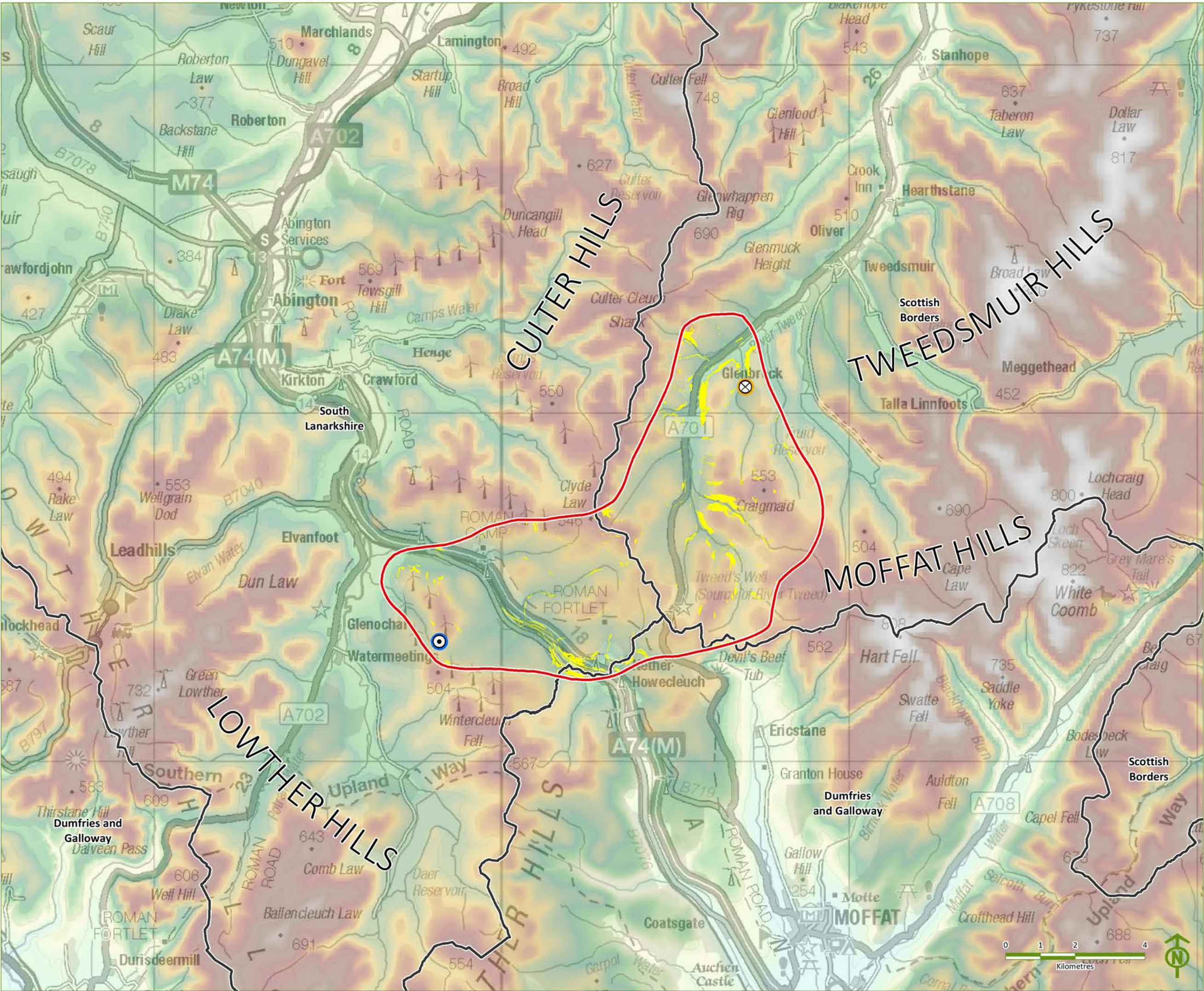


GILLESPIES



WHITELAW BRAE 33 kV
WIND FARM CONNECTION

FIGURE 6a
WIDER TOPOGRAPHICAL CONTEXT



KEY

- Whitelaw Brae Consented Substation
- Clyde South Substation
- Initial Routing Study Area
- Local Authority Boundaries
- Slope > 20°

Topography (AOD)

Metres

> 820
720 - 770
670 - 720
620 - 670
570 - 620
520 - 570
470 - 520
420 - 470
370 - 420
320 - 370
270 - 320
220 - 270
170 - 220
120 - 170
< 120

MAP SCALE AT A3 - 1:100,000



GILLESPIES



WHITELAW BRAE 33 kV
WIND FARM CONNECTION

FIGURE 6b
TOPOGRAPHICAL CONTEXT

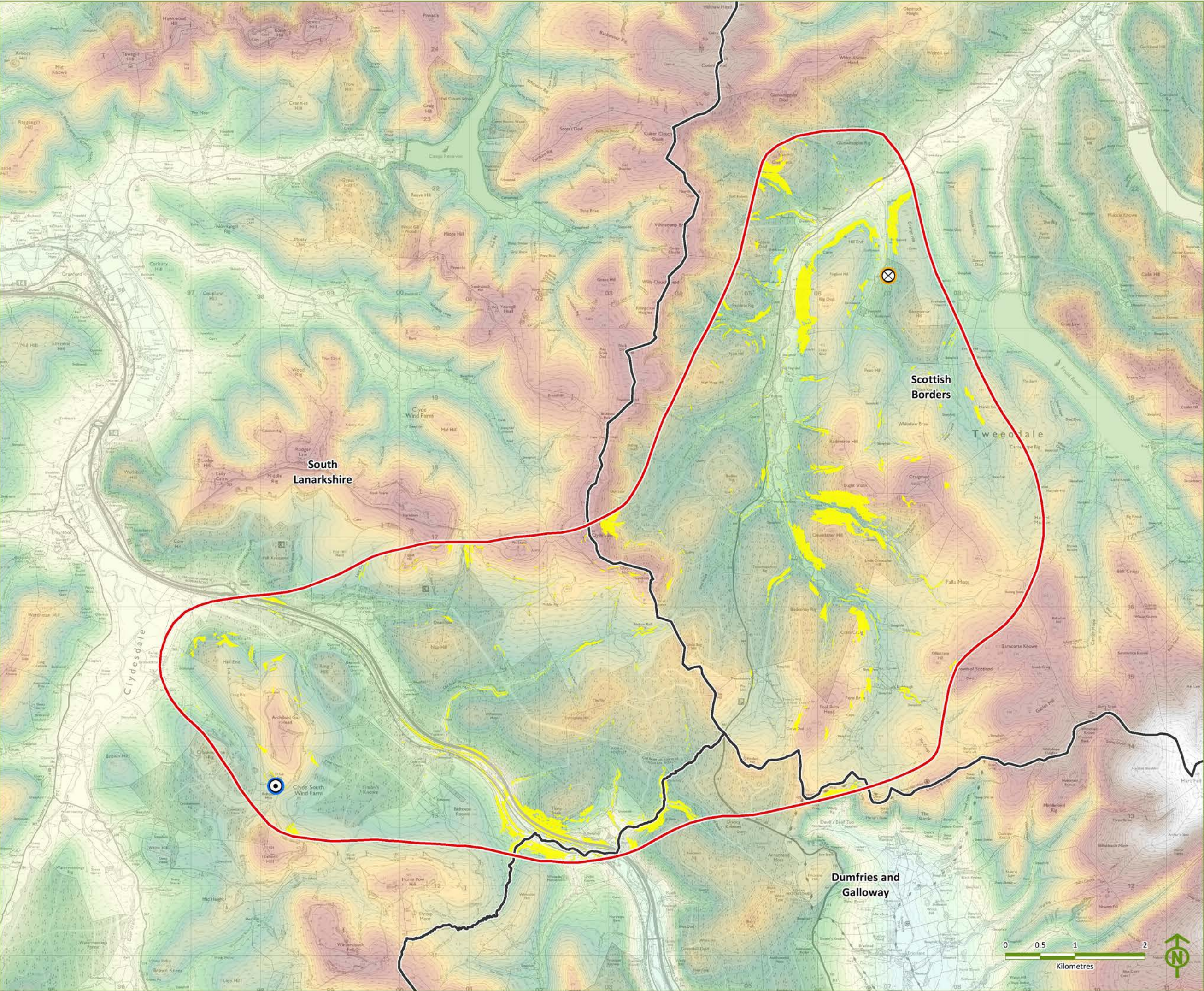
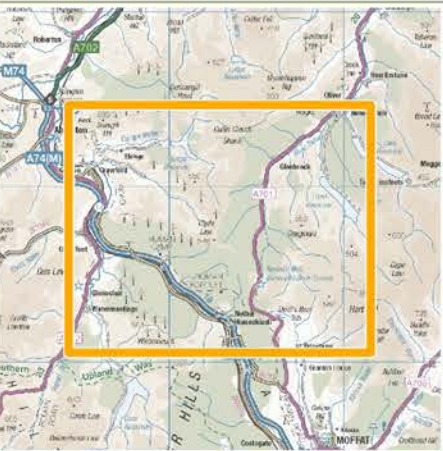
- KEY**
- Whitelaw Brae Consented Substation
 - Clyde South Substation
 - Initial Routeing Study Area
 - Local Authority Boundaries
 - Slope > 20°

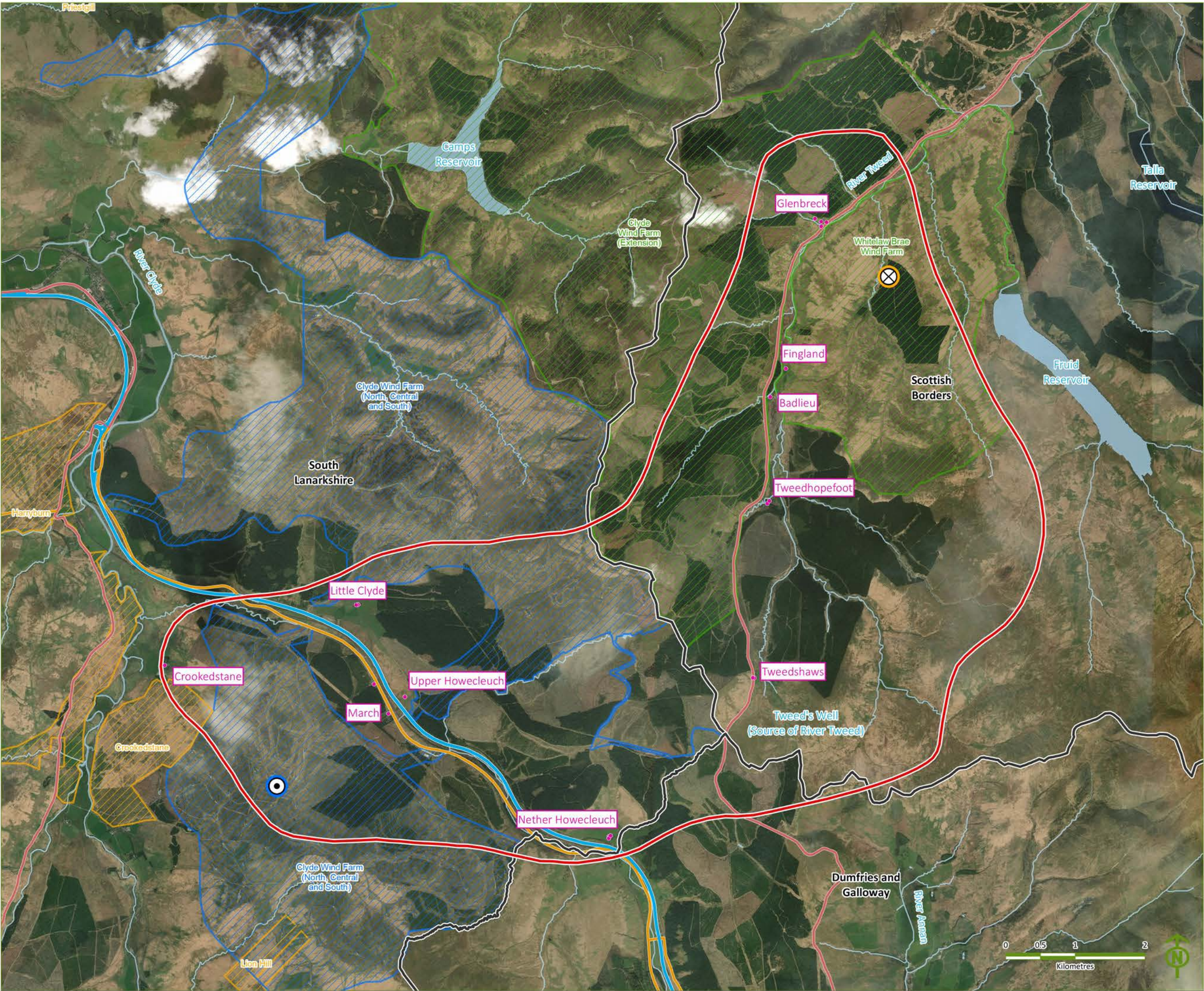
Topography (AOD)

Metres

- > 765
- 700 - 765
- 640 - 700
- 575 - 640
- 515 - 575
- 450 - 515
- 385 - 450
- 325 - 385
- 260 - 325
- 195 - 260
- 135 - 195
- 70 - 135
- < 70

MAP SCALE AT A3 - 1:50,000





**WHITELAW BRAE 33 kV
WIND FARM CONNECTION**

**FIGURE 7
LANDCOVER AND LAND USE**

- KEY**
- Whitelaw Brae Consented Substation
 - Clyde South Substation
 - Local Authority Boundaries
 - Initial Routing Study Area
 - Motorway
 - A Road
 - B Road
 - Rivers
 - Water Body
 - Residential Property
 - Onshore Windfarms
 - Installed
 - Approved
 - Application
 - Scoping

MAP SCALE AT A3 - 1:50,000

