Lorg Wind Farm Grid Connection

Environmental Impact Assessment Report

Volume 2: Part 5

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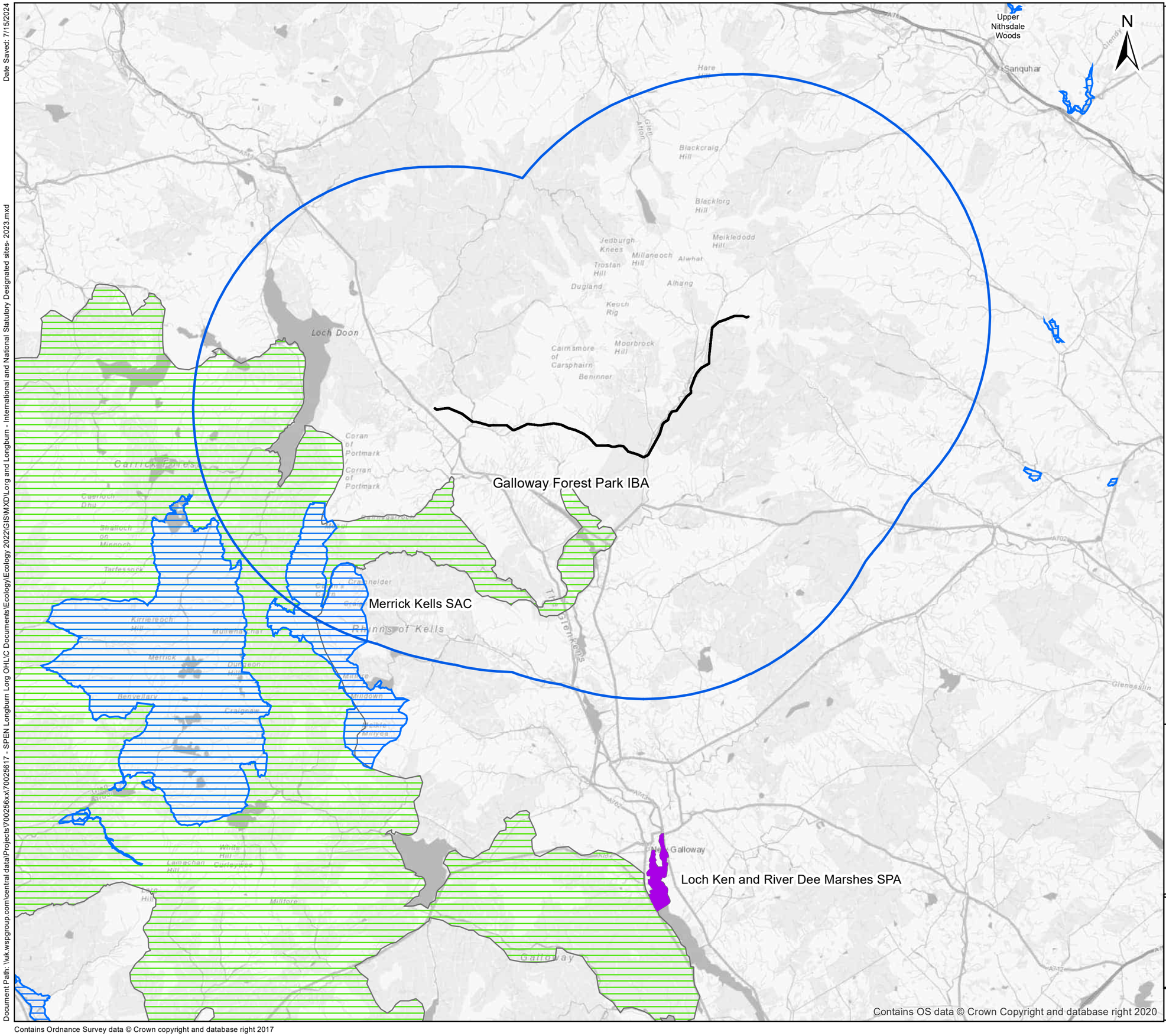
November 25

Land & Planning

Date Saved: 7/15/2024

Document Path: \\uk.wspgroup.com\central data\Projects\70025617x700256x - SPEN Longburn Lorg OHL\C Documents\Ecology\Ecology 2022\GIS\MXD\Lorg and Longburn - International and National Statutory Designated sites- 2023.mxd



Key

- Allignment
- 10km buffer
- Special Area of Conservation (SAC)
- Special Protection Area (SPA)
- Important Bird Area (IBA)

Note:
For most European sites the search area is 10km.
For European sites listing geese as qualifying interests, the search area is 20km.
One European site with geese as qualifying inerests is within this search area:
Loch Ken and River Dee Marshes SPA

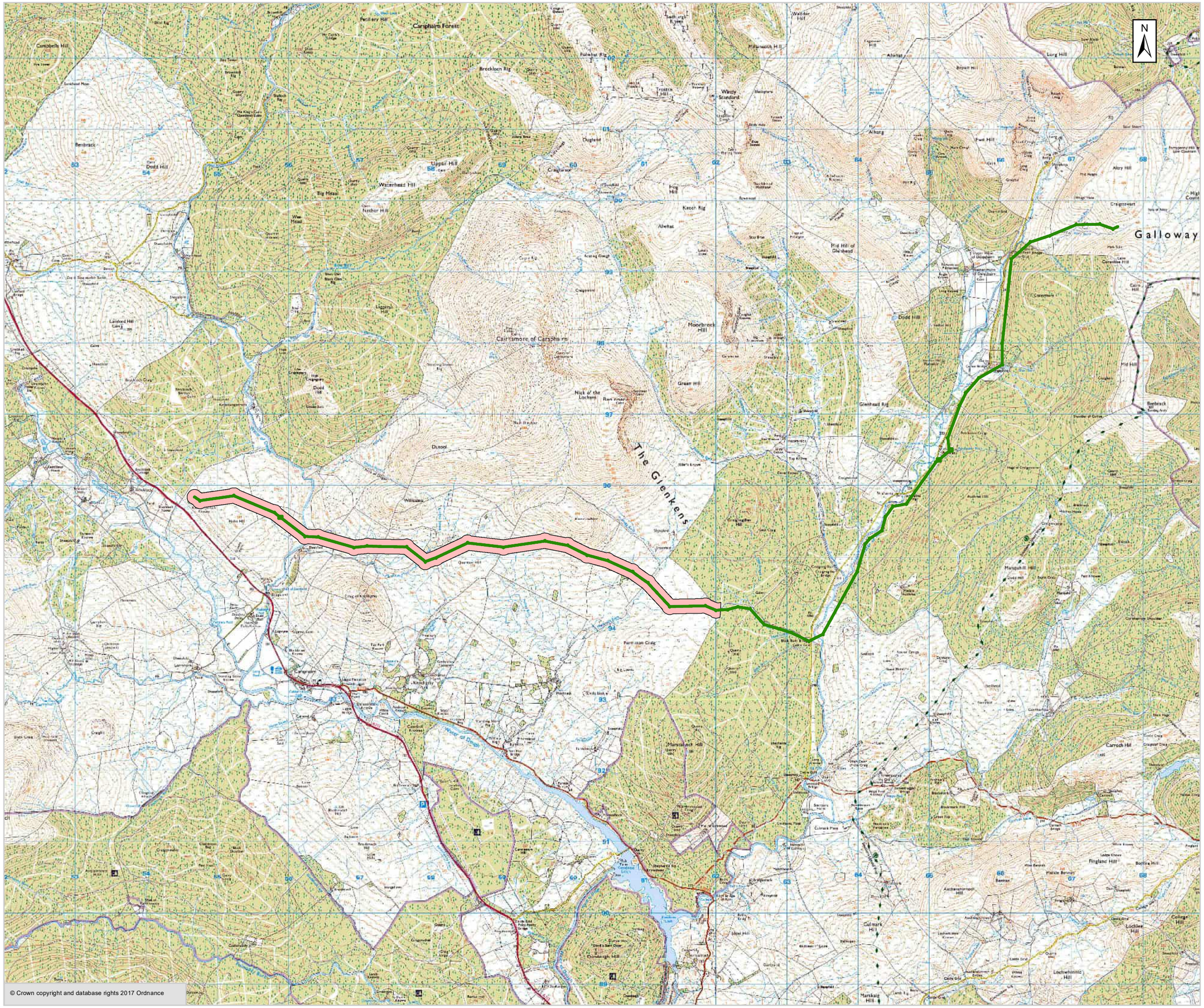
Kilometers

0 2.5 5 10

SP ENERGY NETWORKS

Lorg Grid Connection
Figure 8.1: European Statutory Designated Sites

Date:	7/16/2024			Scale:	150,000 @ A3
Drawn:	GS	Checked:	CM	Approved:	RG



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Key

- Lorg OHL Route Alignment
- Proposed Area for Line Markers

Client: SP ENERGY NETWORKS

Title: Lorg Grid Connection
Figure 8.2:
Proposed Area for Ornithological Mitigation:Line Markers

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1:50,000	GS	JS	JS	JS

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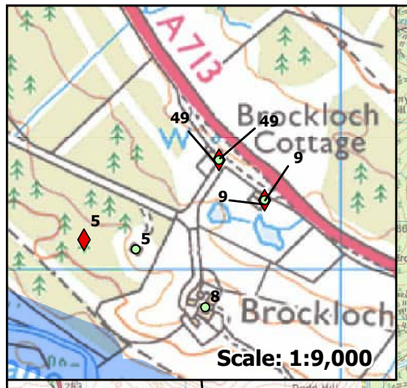
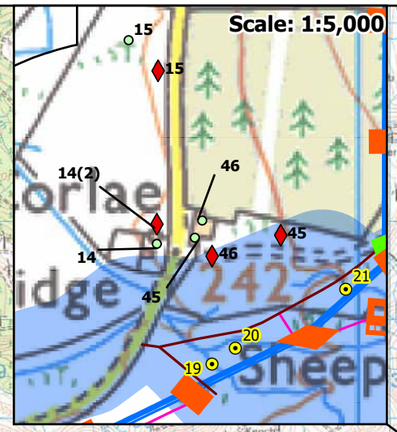
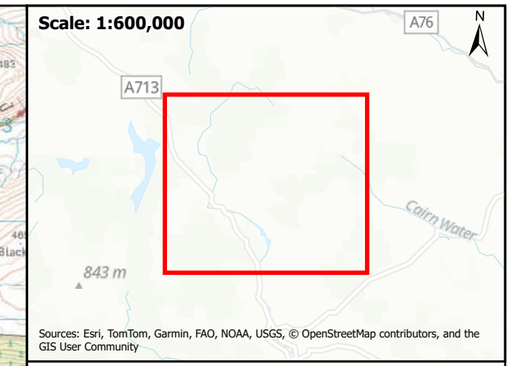






Key

- Proposed 132 kV Trident OHL
- Existing Access
- Proposed Access
- Proposed Laydown Area
- Proposed Working Area
- Proposed Scaffolding
- Study Area (3 km buffer)
- Study Area (250 m buffer)

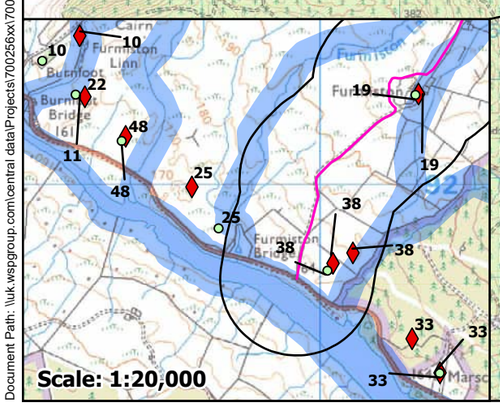
Hydrological Features

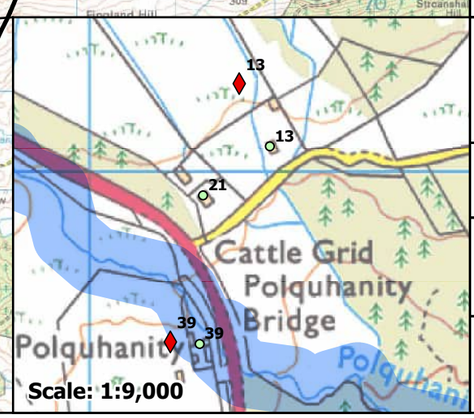
- SEPA Water Abstractions
- Watercourse Crossing Point
- Scottish Water abstraction – Raw Water Intake (RWI)
- SEPA Drinking Water Protected Area (DWPA) - Benloch Burn Catchment
- Watercourse Buffer (50m)
- Watercourse (1:50,000 scale OS)

Private Water Supply

- Abstraction
- Property

0 2 3 km





Client: ScottishPower

Project: Lorg Wind Farm Grid Connection

Title: Figure 10.1- Hydrological Features

Date: 08/09/2025 Scale: 1:62,000 @ A3

Drawn: AS Checked: EE Approved: SB

Drawing Number: 70025617-WSP-LORG-004

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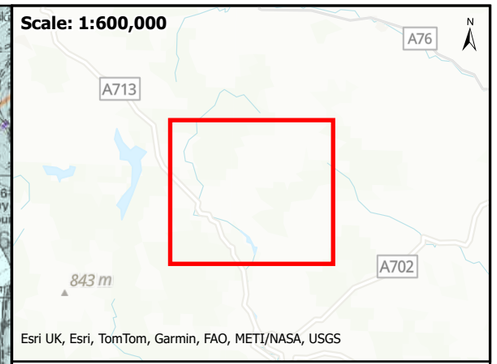
CARSPHAIRN FOREST

Scale: 1:600,000



Key

- Proposed 132 kV Trident OHL
- Existing Access
- Proposed Access
- Proposed Laydown Area
- Proposed Working Area
- Proposed Scaffolding
- Study Area (1 km buffer)

Bedrock Geology (1:50 k Scale)

- Cairnsmore Of Carsphairn Pluton - Microgranite
- Cairnsmore Of Carsphairn Pluton - Granite
- Cairnsmore Of Carsphairn Pluton - Granodiorite
- Cairnsmore Of Carsphairn Pluton - Dioritic-rock
- Portpatrick Formation - Wacke
- Shinnel Formation - Wacke
- Glenlee Formation - Wacke
- Kirkcolm Formation - Wacke
- North Britain Siluro-devonian Calc-alkaline Dyke Suite - Microgranodiorite, porphyritic
- North Britain Siluro-devonian Calc-alkaline Dyke Suite-Microdiorite, porphyritic
- Moffat Shale Group - Mudstone, chert and smectite-claystone

0 1 3 km

Key

Linear features 1:50,000 scale

- Fault_Inf_Downthrow_unspecified
- Fault_Thrust_Inf_Triangle_on_hangingwall_side
- Fold_Syncline
- Form_line
- Glacial_meltwater_channel_Centre_Undiff
- Glacial_meltwater_channel_Margin
- Limit_Metamorphic_Aureole
- Marked_concave_break_of_slope
- Mineral_Vein_Inf

wsp

Client: ScottishPower

Project: Lorg Wind Farm Grid Connection

Title: Figure 10.2- Bedrock Geology

Date: 04/06/2025 Scale: 1:50,000 @ A3

Drawn: AS Checked: EE Approved: SB

Drawing Number: 70025617-WSP-LORG-003

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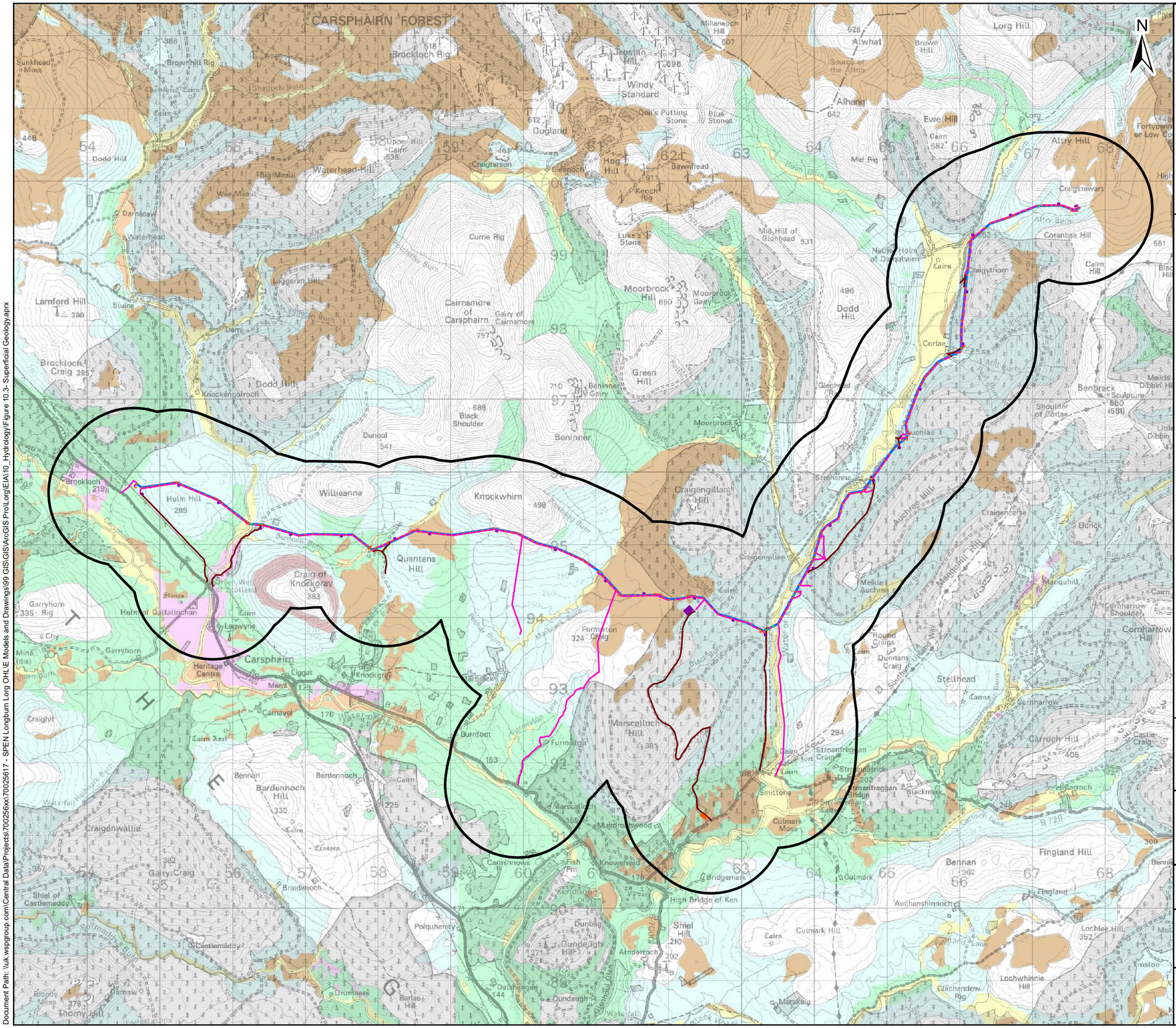

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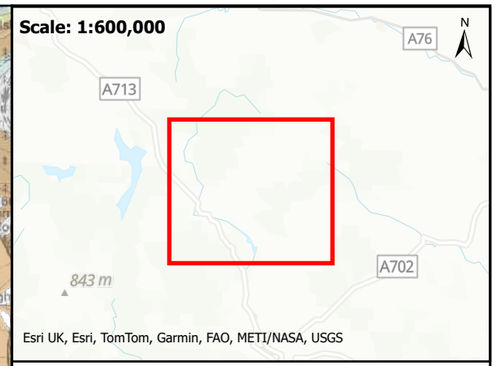

Key

- Proposed 132 kV Trident OHL
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- Proposed Scaffolding

Superficial Geology (1:50 k Scale)

- Peat - Peat
- Till, Devensian - Diamicton
- River Terrace Deposits - Gravel, sand and silt
- Alluvium - Silt, sand and gravel
- Head - Gravel, sand, silt and clay
- Glaciofluvial Fan Deposits, Devensian - Gravel, sand and silt
- Hummocky (moundy) Glacial Deposits - Diamicton, sand and gravel

0 1 3 km

wsp

Client: ScottishPower

Project: Lorg Wind Farm Grid Connection

Title: Figure 10.3 - Superficial Geology

Date: 04/06/2025 Scale: 1:50,000 @ A3

Drawn: AS Checked: EE Approved: SB

Drawing Number: 70025617-WSP-LORG-004

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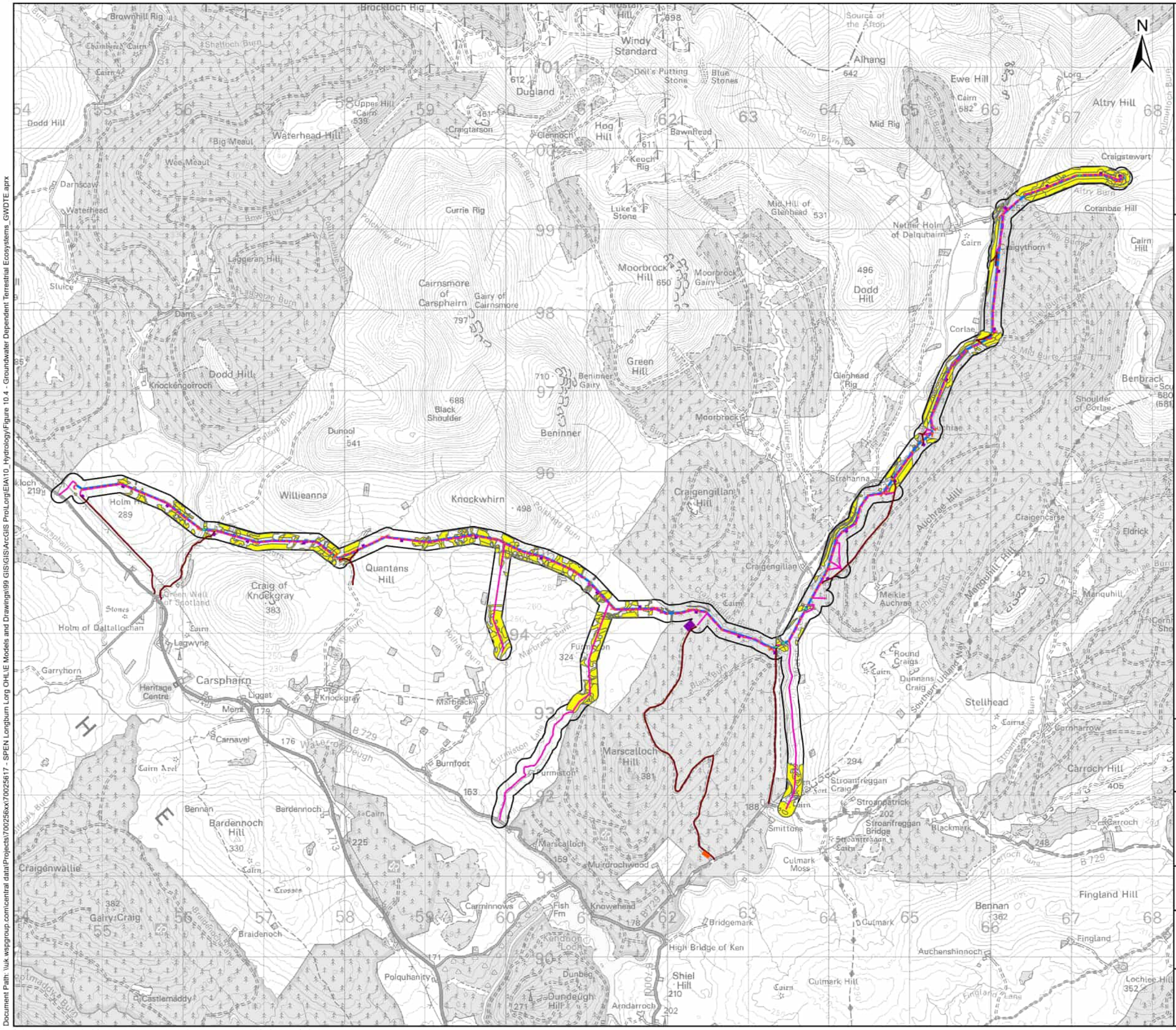

Key

- Proposed 132 kV Trident OHL
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- Proposed Scaffolding

GWDTE

- Potential GWDTE
- GWDTE Study Area (100 m buffer)

wsp

Client: ScottishPower

Project: Lorg Wind Farm Grid Connection

Title: Figure 10.4 - Groundwater Dependent Terrestrial Ecosystems (GWDTE)

Date: 24/07/2025 Scale: 1:45,000 @ A3

Drawn: AS Checked: EE Approved: SB

Drawing Number: 70025617-WSP-LORG-004

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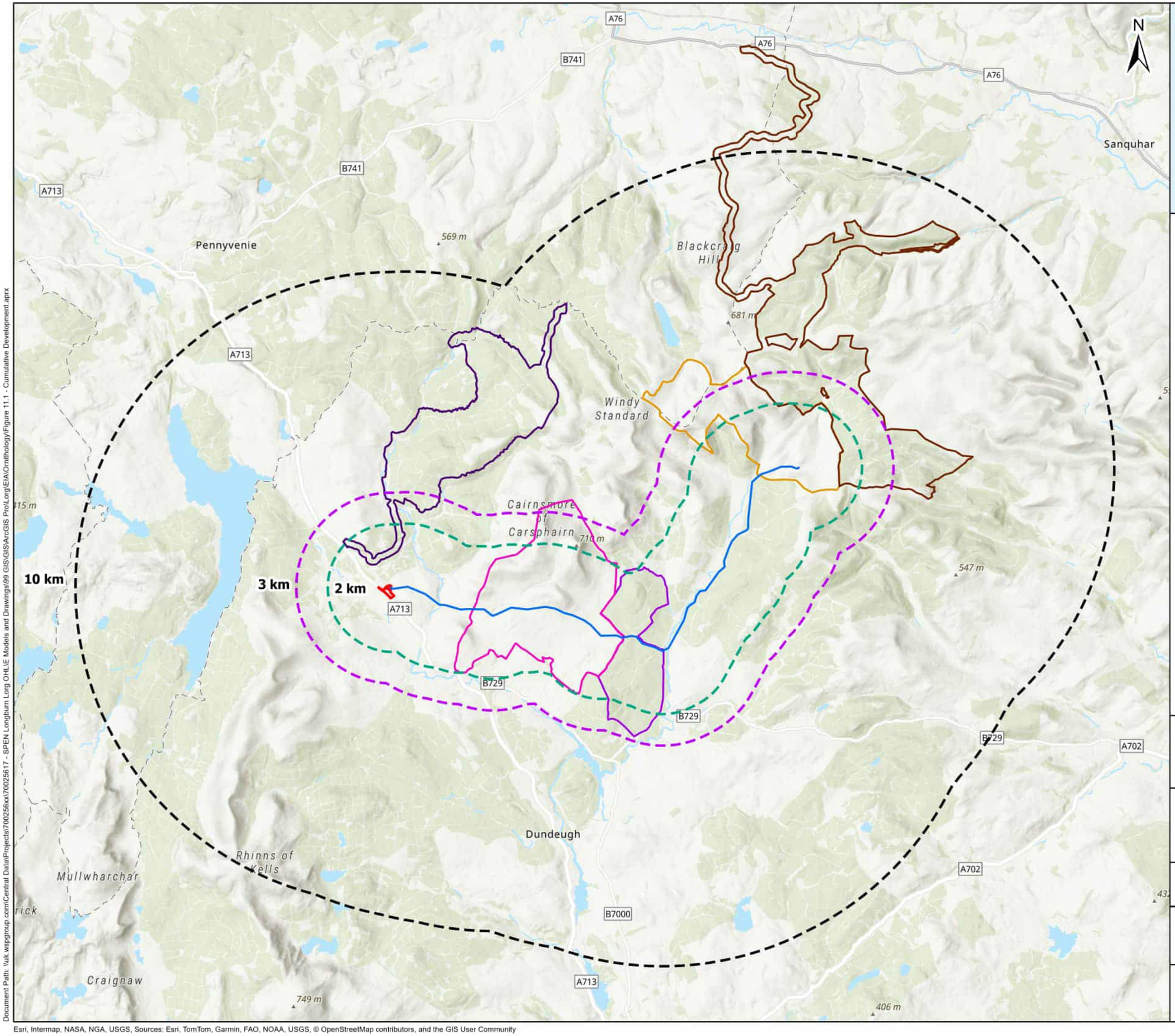

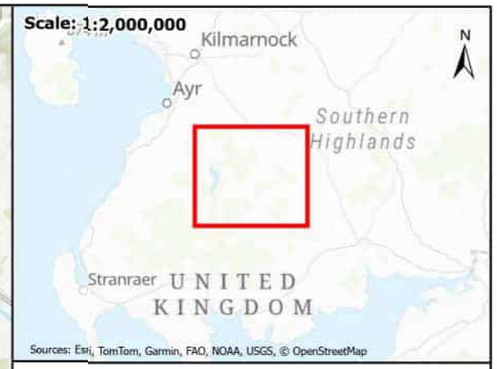

Key

- Lorg Proposed 132 kV Trident OHL
- 2 km Buffer
- 3 km Buffer
- 10 km Buffer

Cumulative Development

- Lorg Wind Farm (WSP Development)
- Sheperds Rig Wind Farm (WSP development)
- Holm Hill Substation Site Boundary
- Quantans Hill Wind Farm
- Windy Standard III Windfarm
- Euchanhead Wind Farm Near Sanquhar

0 3 6 km

Client: ScottishPower

Project: Lorg Wind Farm Grid Connection

Title: Figure 11.1 Cumulative Development

Date: 24/10/2025 Scale: 1:115,000 @ A3
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Drawing Number: 70025617-WSP-LORG-025

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