

- Key**
- Route Option Area
 - Windfarm Connection Point
 - DE Route
 - District Boundary
 - Southern Upland Way
 - Mountain Access Footpath
 - Heritage Paths
 - Scottish Hill Tracks
 - Tourist Route
 - Core Paths
 - Carsphairn Heritage Centre
 - Green Well of Scotland
 - Polmaddy Village

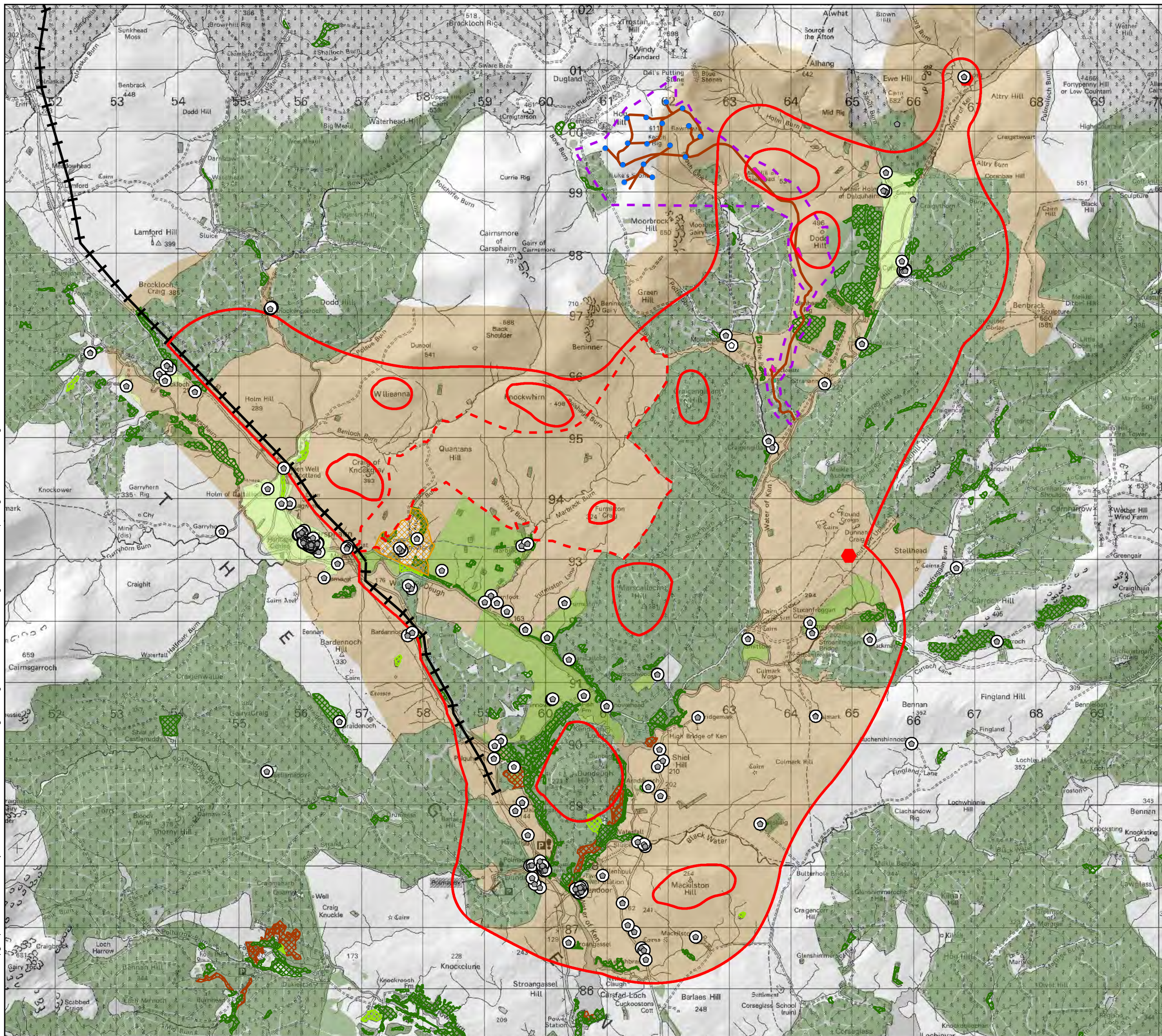
- Paths and Trails**
- 1: Dundegh Hill Trail
 - 2: Cairnsmore of Carsphairn
 - 3: Old Road from New Cumnock to Dalquhairn
 - 4: Sanquhar to Stroanpatrick Path
 - 5: New Cumnock to St John's Town of Dalry by Glen Afton
 - 6: St John's Town of Dalry to Sanquhar



Client: Lorg and Longburn Grid Connection

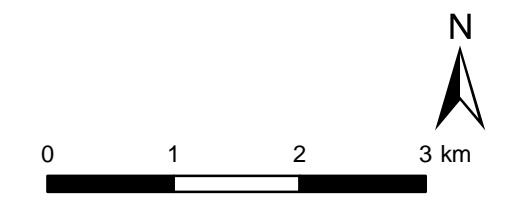
Project: Figure 8
Recreation and Tourism

Date: 8 March 2017 Scale: 60,000 @ A3
 Drawn: GH Checked: SM Approved: RL



Key

- Route Option Area
- Windfarm Connection Point
- + DE Route
- Quantans Hill Wind Farm (Valid Application)
- Windy Rig Wind Farm (Valid Application)
- Windy Rig Wind Turbines
- Windy Rig Wind Farm Access
- Windy Rig Wind Farm Site Entrance Compound
- Windy Rig Wind Farm Borrow Pit
- Residential Dwelling
- Residential Dwelling in Planning
- 100m Residential Buffer
- Native Woodland
- Nearly-Native Woodland
- Planted Ancient Woodland Sites
- Commercial Forestry
- Non-Inventory Gardens and Designed Landscape
- Grazing Improved Grassland
- Rough Grazing Semi-Improved Grassland
- Rough Grazing Moorland

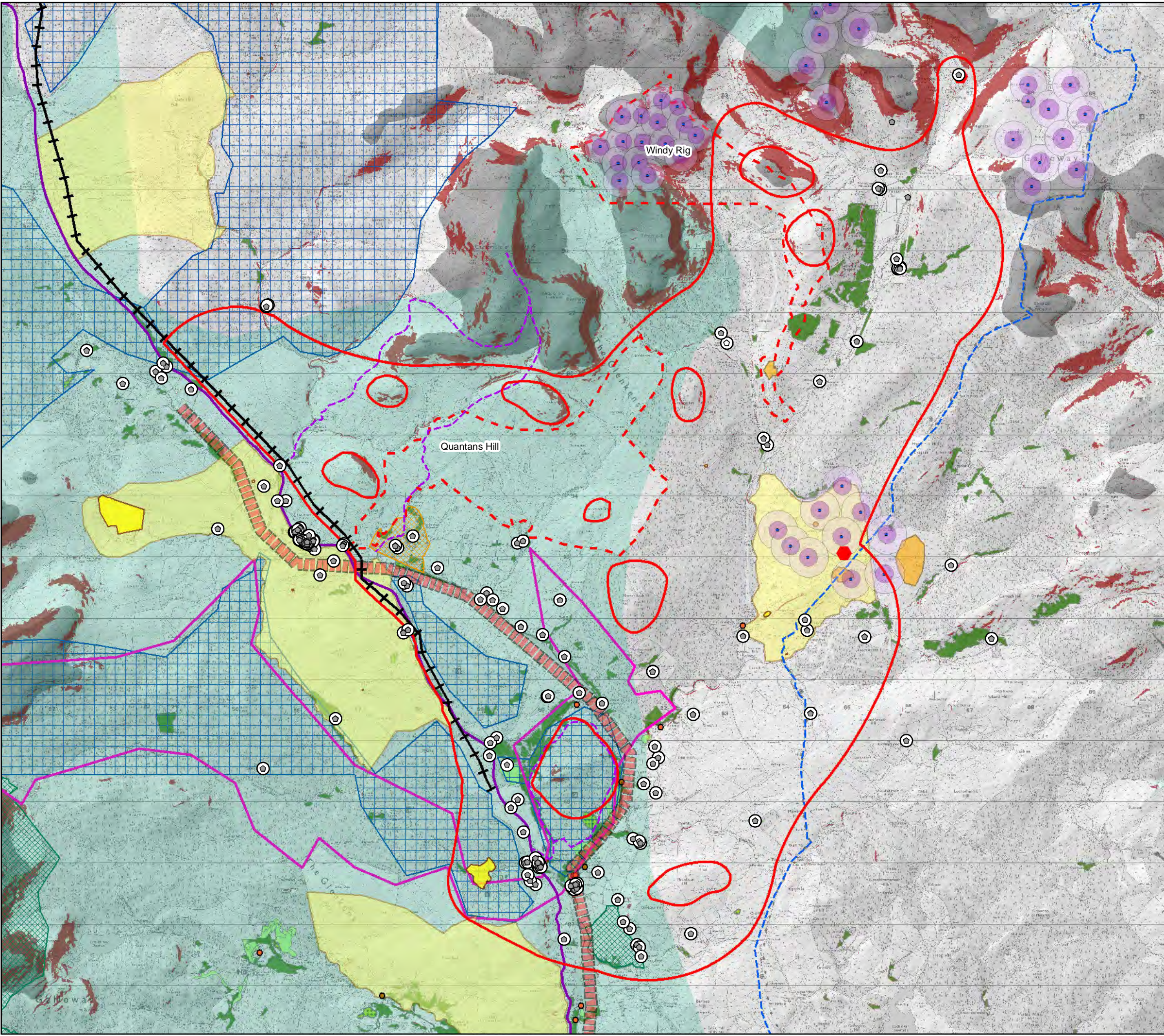


Client: SP ENERGY NETWORKS

Project: **Lorg and Longburn Grid Connection**

Title: **Figure 9
Land Use Considerations**

Date: 9 March 2017	Scale: 60,000 @ A3
Drawn: GH	Checked: SM
	Approved: RL



Key

- Route Option Area
- Windfarm Connection Point
- + DE Route
- Proposed Wind Turbine
- ▲ Proposed Anemometry Mast
- Topple Distance
- Wind Turbine Rotor Diameter x3
- Mountain Access Footpath
- Southern Upland Way
- Tourist Route
- Valid Application
- Listed Building (A, B and C)
- Scheduled Monument
- Non-Designated Heritage Asset of Potential National Importance
- Non-Inventory Gardens and Designed Landscape
- Archaeologically Sensitive Area
- ◆ Residential Dwelling
- Residential Dwelling in Planning
- 100m Residential Buffer
- Dumfries and Galloway Regional Scenic Area/East Ayrshire Sensitive Landscape Character
- RSPB Important Bird Areas
- Wader/Waterfowl Flightpaths
- Red Squirrel Priority Woodland
- Site of Special Scientific Interest
- Native Woodland
- Nearly-Native Woodland
- Planted Ancient Woodland Site (PAWS)
- Slopes over 22°
- Areas over 500m AOD

N

0 1 2 3 km

Client:

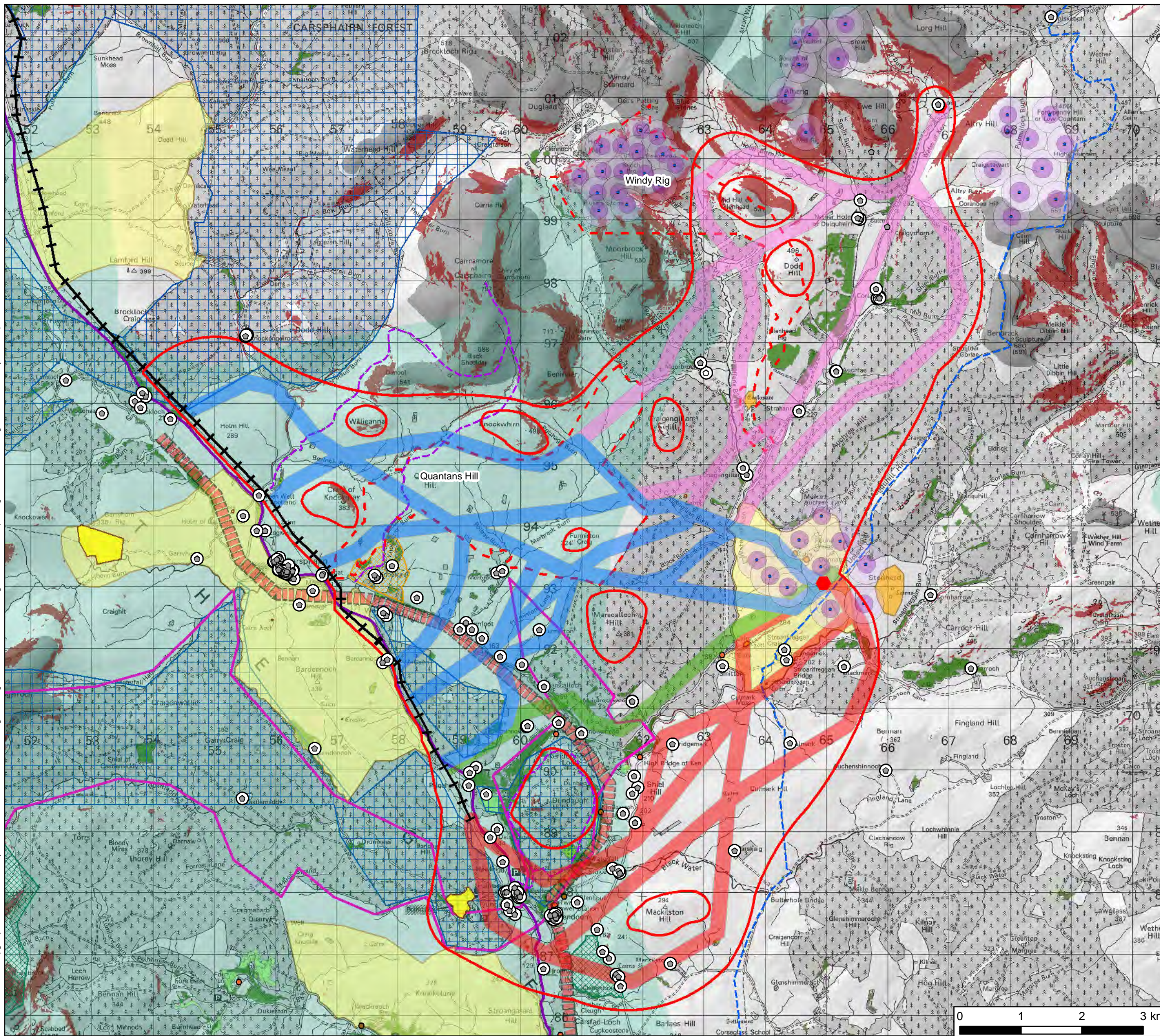
Project:

Lorg and Longburn Grid Connection

Title:

Figure 10
Strategic Constraints to Routing

Date:	9 March 2017	Scale:	60,000 @ A3
Drawn:	GH	Checked:	SM
		Approved:	RL



Key

- Route Option Area
- Windfarm Connection Point
- + DE Route

Preliminary Route Options

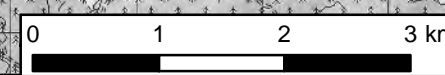
- Lorg
- Longburn North
- Longburn Central
- Longburn South
- Wind Turbine ▲ Anemometry Mast
- Topple Distance
- Wind Turbine Rotor Diameter x3
- Mountain Access Footpath
- Southern Upland Way
- Tourist Route
- Valid Application
- Listed Building (A, B and C)
- Scheduled Monument
- Non-Designated Heritage Asset of Potential National Importance
- Non-Inventory Gardens and Designed Landscape
- Archaeologically Sensitive Area
- ♦ Residential Dwelling
- ◇ Residential Dwelling in Planning
- 100m Residential Buffer
- Dumfries and Galloway Regional Scenic Area/East Ayrshire Sensitive Landscape Character
- RSPB Important Bird Areas
- Wader/Waterfowl Flightpaths
- Red Squirrel Priority Woodland
- Site of Special Scientific Interest
- Native Woodland
- Nearly-Native Woodland
- Planted Ancient Woodland Site (PAWS)
- Slopes over 22°
- Areas over 500m AOD

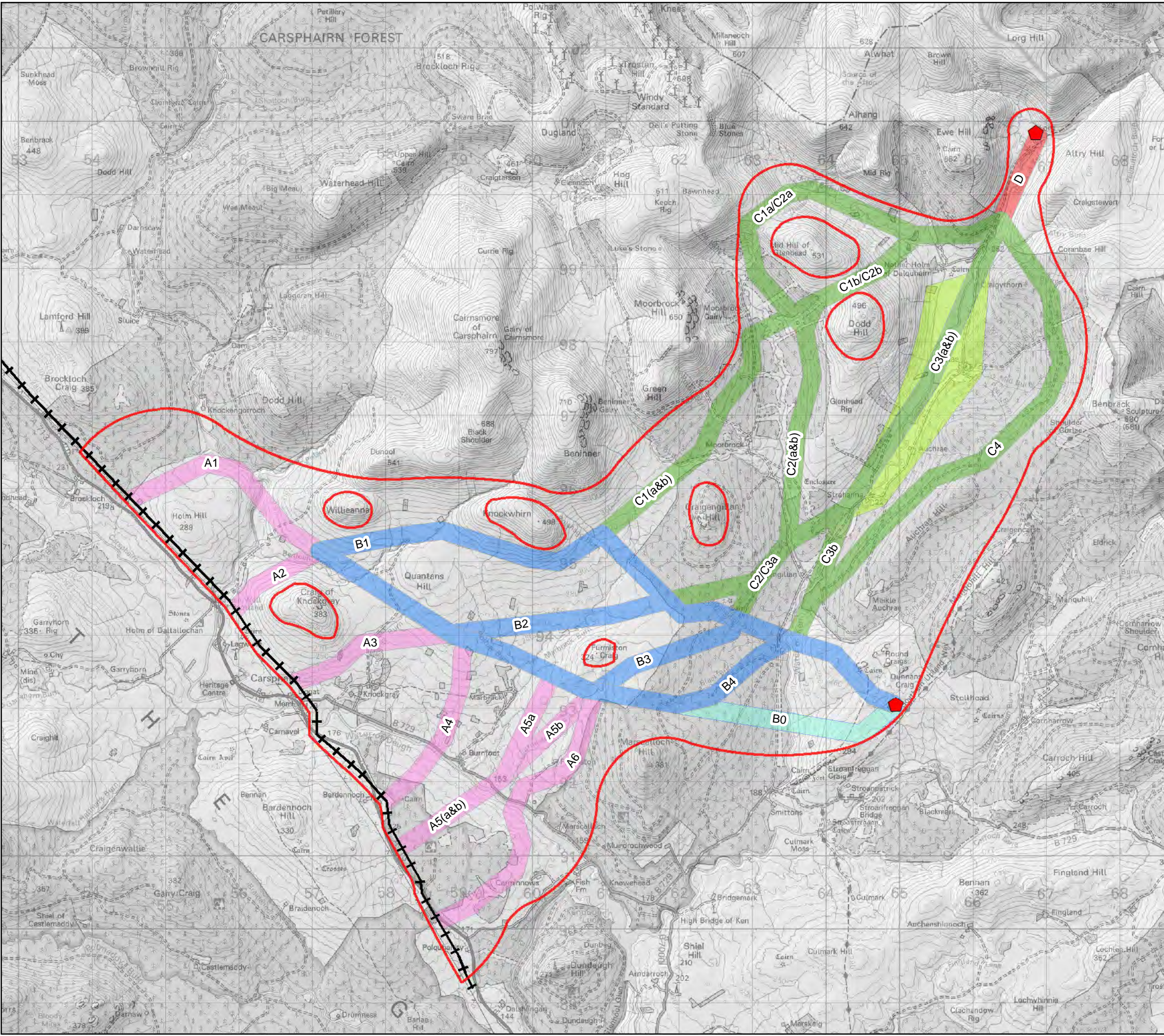


Client: Lorg and Longburn Grid Connection

Project: Figure 11
Preliminary Route Options

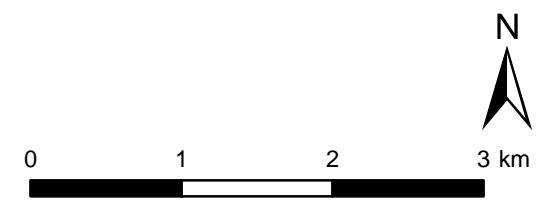
Date: 14 March 2017 Scale: 60,000 @ A3
 Drawn: GH Checked: SM Approved: RL





Key

- Developed Route Option Area
- ⬠ Windfarm Connection Point
- DE Route
- Section A
- Section B
- Section B0
- Section C
- Section C3 Wider Option
- Section D

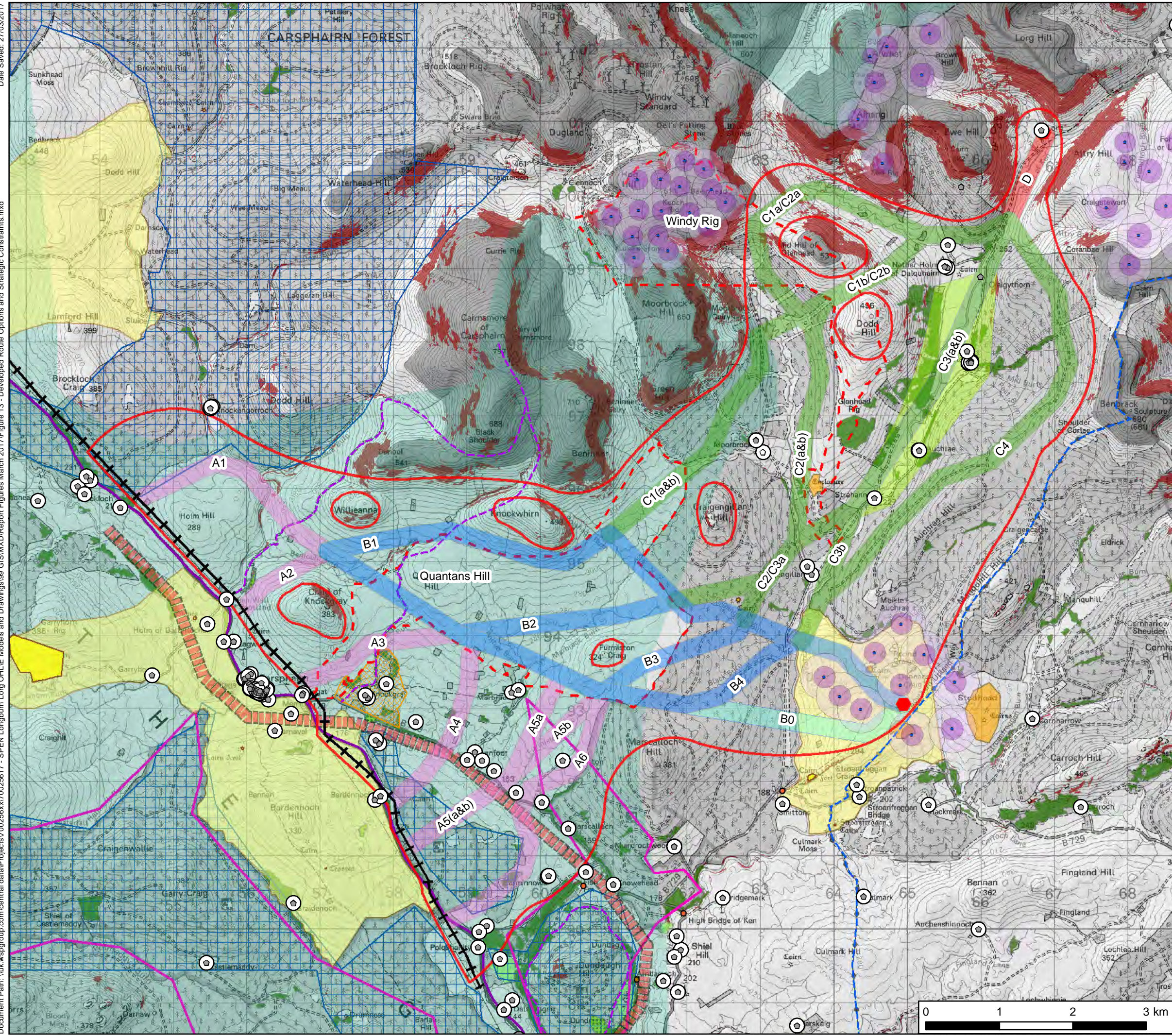


Client: **SP ENERGY NETWORKS**

Project: **Lorg and Longburn Grid Connection**

Title: **Figure 12
Developed Route Options**

Date: 9 March 2017 Scale: 50,000 @ A3
 Drawn: GH Checked: SM Approved: RL



Key

- Developed Route Option Area
- Windfarm Connection Point
- DE Route

Route Options

- Section A
- Section B
- Section B0
- Section C
- Section C3 Wider Option
- Section D

- Wind Turbine
- Anemometry Mast
- Topple Distance
- Wind Turbine Rotor Diameter x3
- Mountain Access Footpath
- Southern Upland Way
- Tourist Route

- Valid Application
- Listed Building (A, B and C)
- Scheduled Monument
- Non-Designated Heritage Asset of Potential National Importance
- Non-Inventory Gardens and Designed Landscape
- Archaeologically Sensitive Area
- Residential Dwelling
- Residential Dwelling in Planning
- 100m Residential Buffer
- Dumfries and Galloway Regional Scenic Area/East Ayrshire Sensitive Landscape Character
- RSPB Important Bird Areas
- Wader/Waterfowl Flightpaths
- Red Squirrel Priority Woodland
- Native Woodland
- Nearly-Native Woodland
- Planted Ancient Woodland Site (PAWS)
- Slopes over 22°
- Areas over 500m AOD

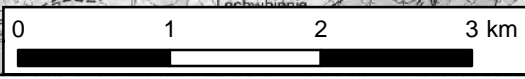


Client: **SP ENERGY NETWORKS**

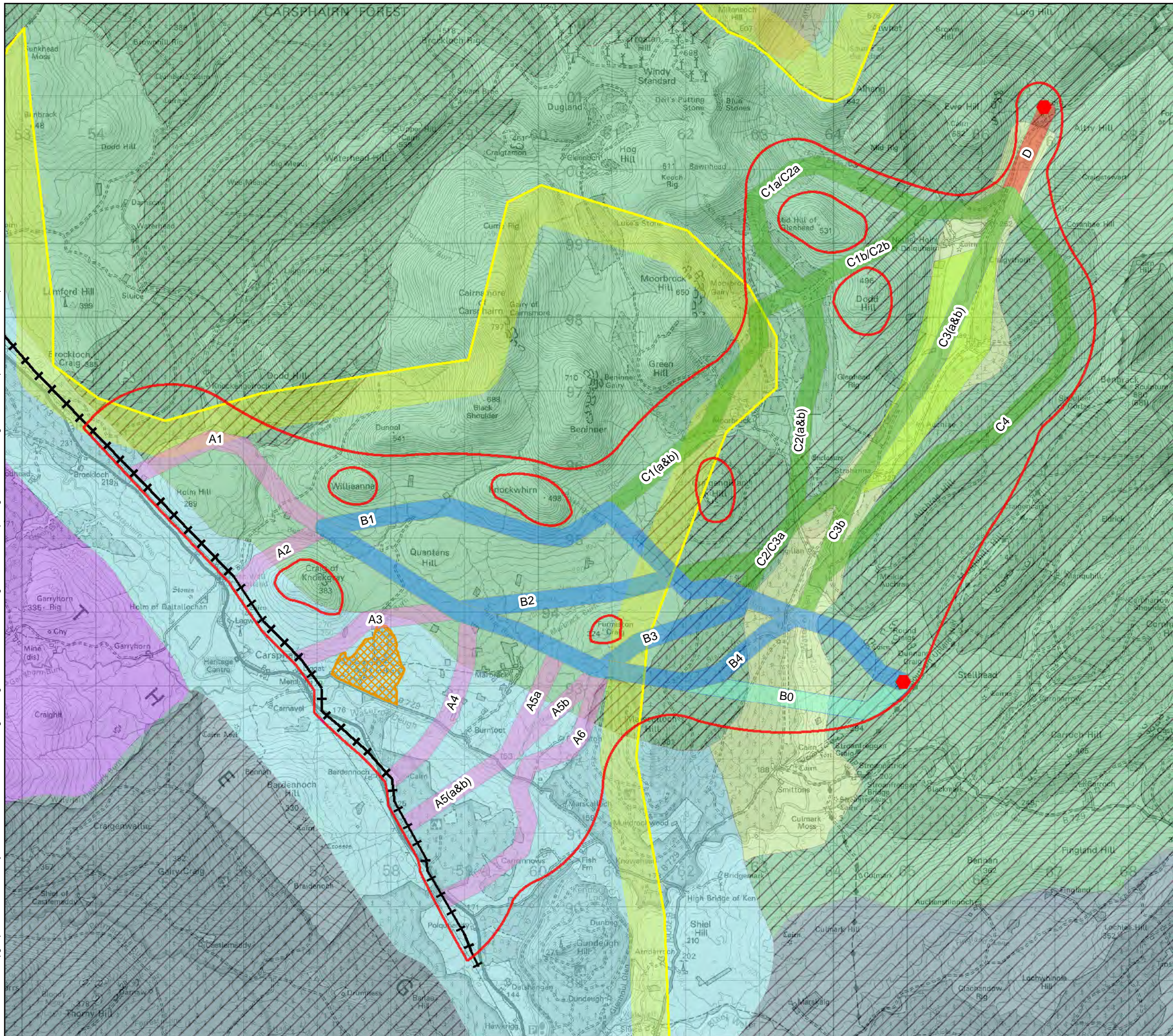
Project: **Lorg and Longburn Grid Connection**

Title: **Figure 13
Developed Route Options and
Strategic Constraints**

Date: 9 March 2017 Scale: 50,000 @ A3
 Drawn: GH Checked: SM Approved: RL



Date Saved: 28/03/2017
 Document Path: \\uk.wspgroup.com\central\data\Projects\700256xx\70025617 - SPEN Longburn Lorg OHLE Models and Drawings\99 GIS\MXD\Report Figures\March 2017\Figure 14 - Developed Route and Landscape Character Areas.mxd



Key

- Developed Route Option Area
- ◆ Windfarm Connection Point
- + DE Route

Route Options

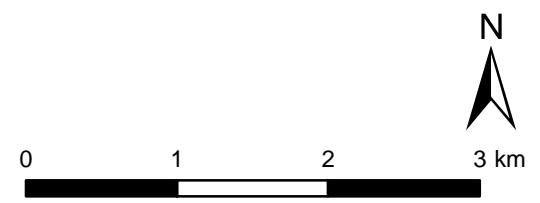
- Section A
- Section B
- Section B0
- Section C
- Section C3 Wider Option
- Section D

Landscape Character Area

- Foothills With Forest
- Narrow Wooded River Valleys
- Rugged Granite Uplands
- Southern Uplands
- Southern Uplands with Forest
- Upland Glen
- Upper Dale (Valley)

Other Designations

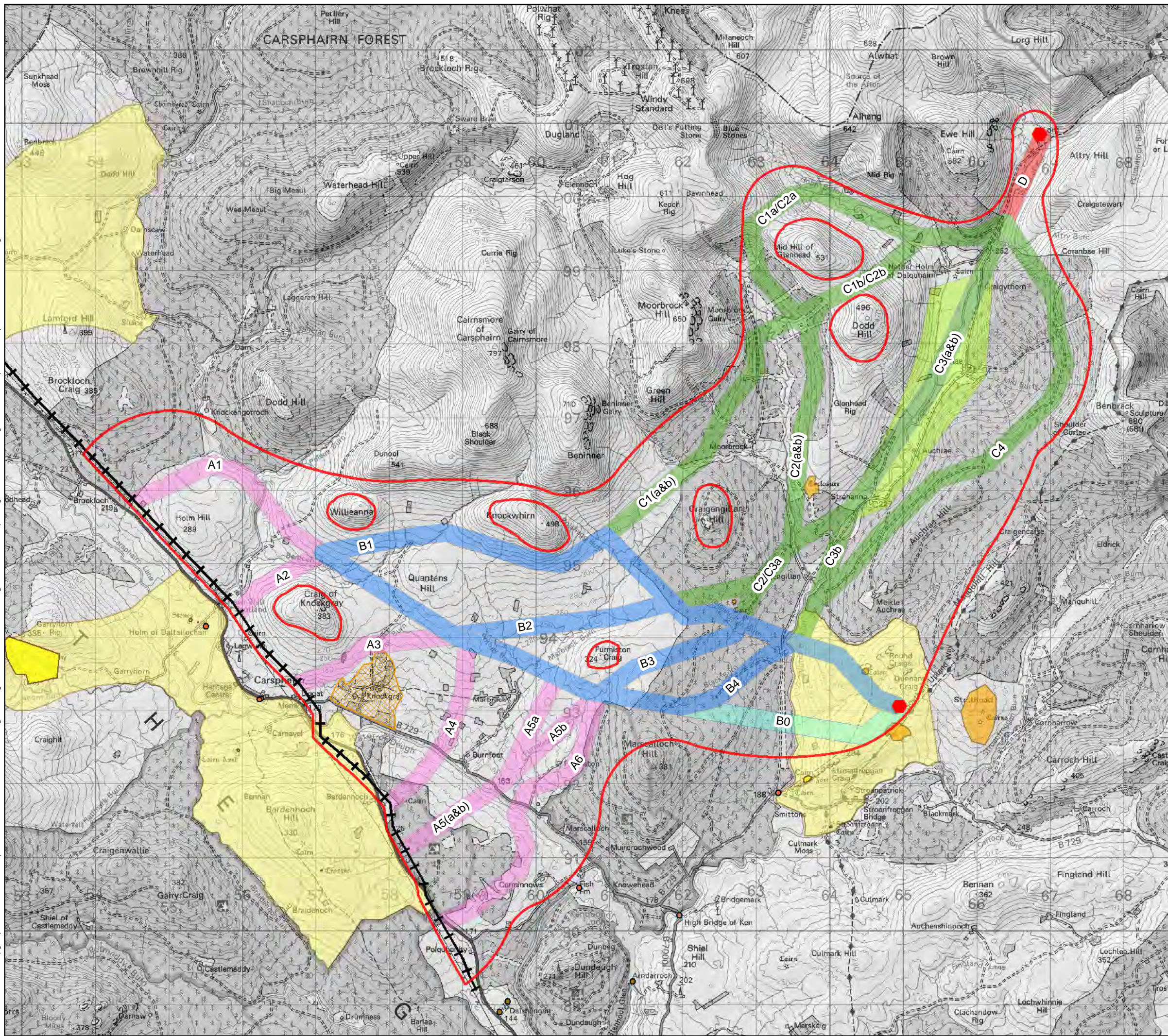
- Dumfries and Galloway Regional Scenic Area/East Ayrshire Sensitive Landscape Character
- Non-Inventory Gardens and Designed Landscape



Client: Lorg to Longburn Grid Connection

Project: Figure 14
Developed Route Options and Landscape
Character Areas and Designations

Date: 8 March 2017 Scale: 50,000 @ A3
 Drawn: GH Checked: SM Approved: RL



Key

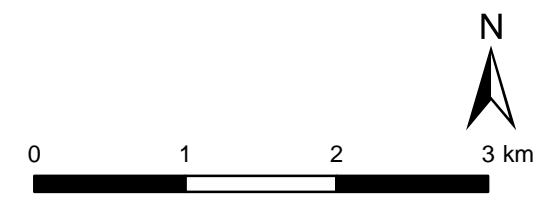
- Developed Route Option Area
- ◆ Windfarm Connection Point
- + DE Route

Route Options

- Section A
- Section B
- Section B0
- Section C
- Section C3 Wider Option
- Section D

Other Assets

- Listed Building (A, B and C)
- Scheduled Monument
- Non-Designated Heritage Asset of Potential National Importance
- Non-Inventory Gardens and Designed Landscape
- Archaeologically Sensitive Area

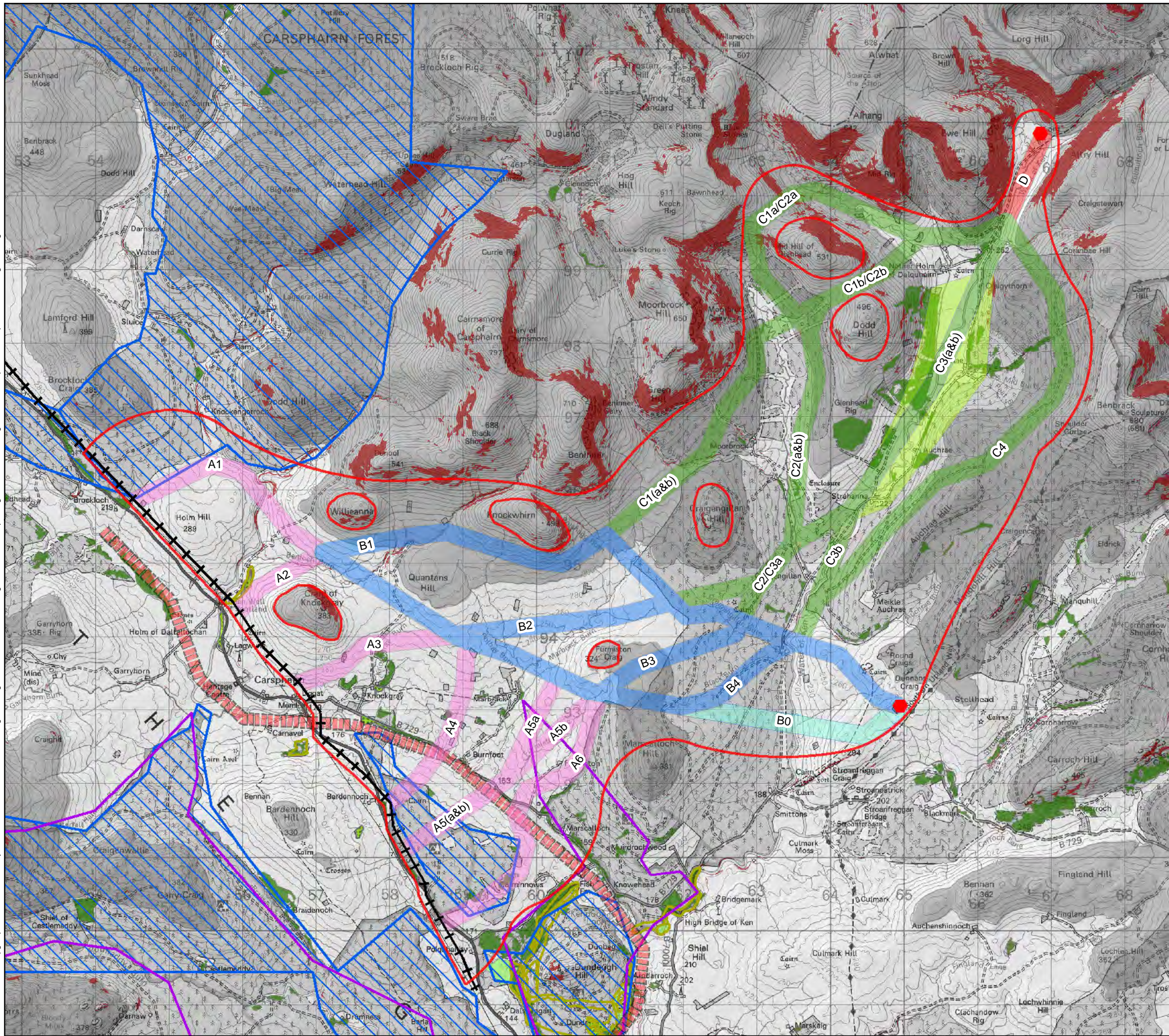


Client: SP ENERGY NETWORKS

Project: **Lorg and Longburn Grid Connection**

Title: **Figure 15
 Developed Route Options and Cultural Heritage Assets**

Date: 9 March 2017 Scale: 50,000 @ A3
 Drawn: GH Checked: SM Approved: RL



Key

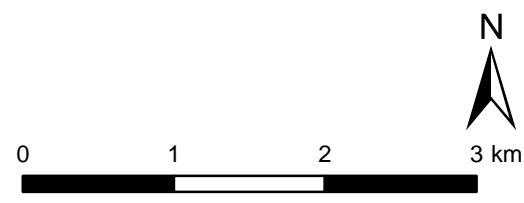
- Developed Route Option Area
- Windfarm Connection Point
- DE Route

Route Options

- Section A
- Section B
- Section B0
- Section C
- Section C3 Wider Option
- Section D

Ecological Designations

- RSPB Important Bird Area
- Wader/Waterfowl Flightpaths
- Red Squirrel Priority Woodland
- Native Woodland
- Nearly-Native Woodland
- Planted Ancient Woodland Site (PAWS)
- Ancient Woodland Inventory

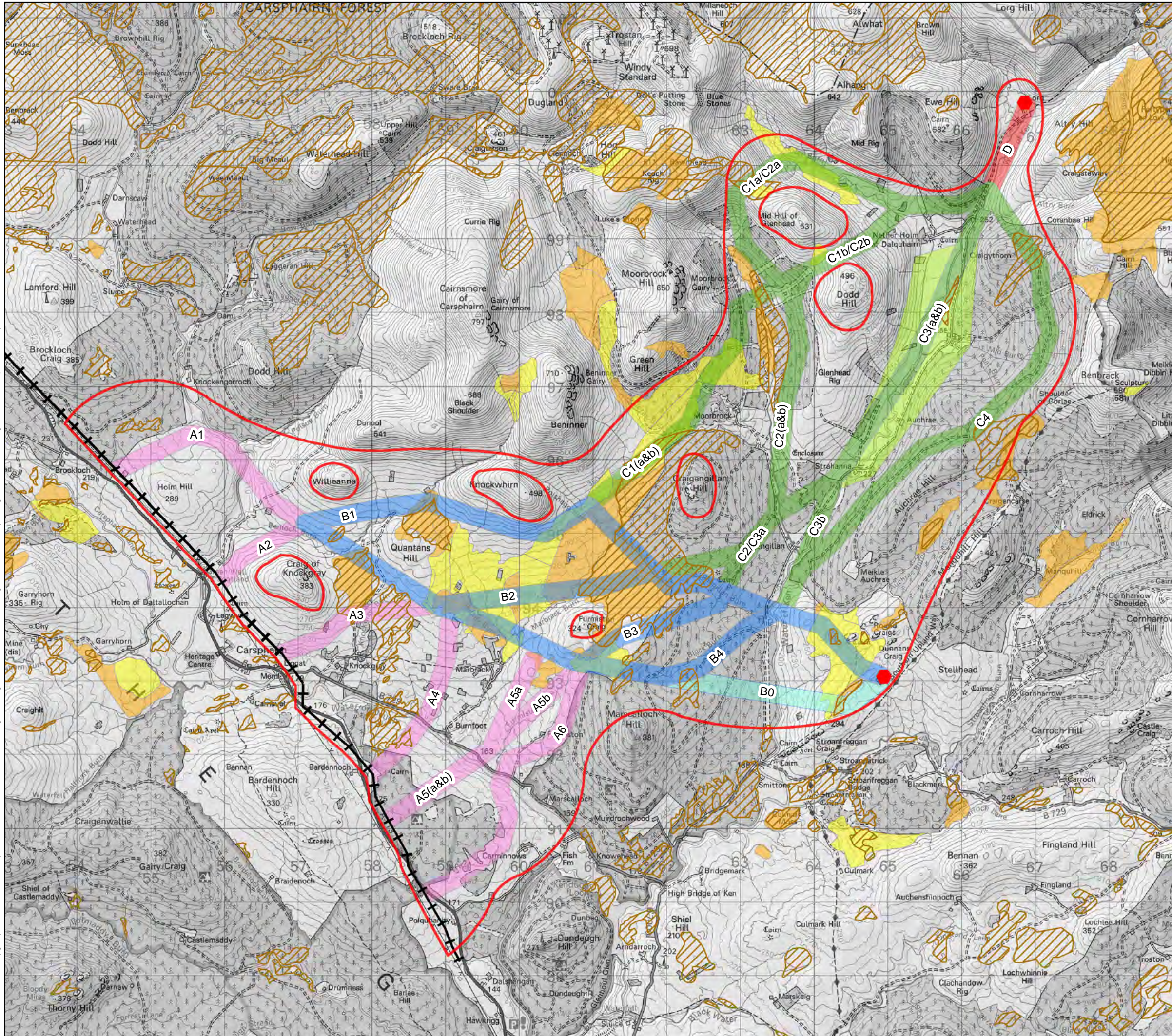


Client: **SP ENERGY NETWORKS**

Project: **Lorg and Longburn Grid Connection**

Title: **Figure 16
 Developed Route Options and
 Ecological Designations**

Date: 9 March 2017 Scale: 50,000 @ A3
 Drawn: GH Checked: SM Approved: RL



Key

- Developed Route Option Area
- ◆ Windfarm Connection Point
- DE Route

Route Options

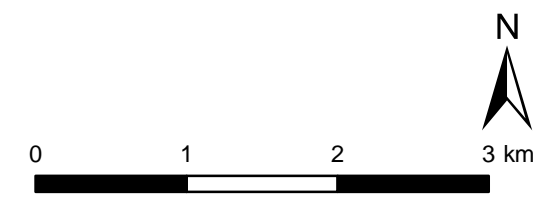
- Section A
- Section B
- Section B0
- Section C
- Section C3 Wider Option
- Section D

BGS 1:50k Superficial Deposits

- Peat

Soil Types - SNH Carbon and Peatland

- Class 1: All vegetation cover is priority peatland habitats. All soils are carbon-rich soils and deep peat
- Class 2: The vegetation cover is priority peatland habitat. All soils are carbon-rich soils and deep peat

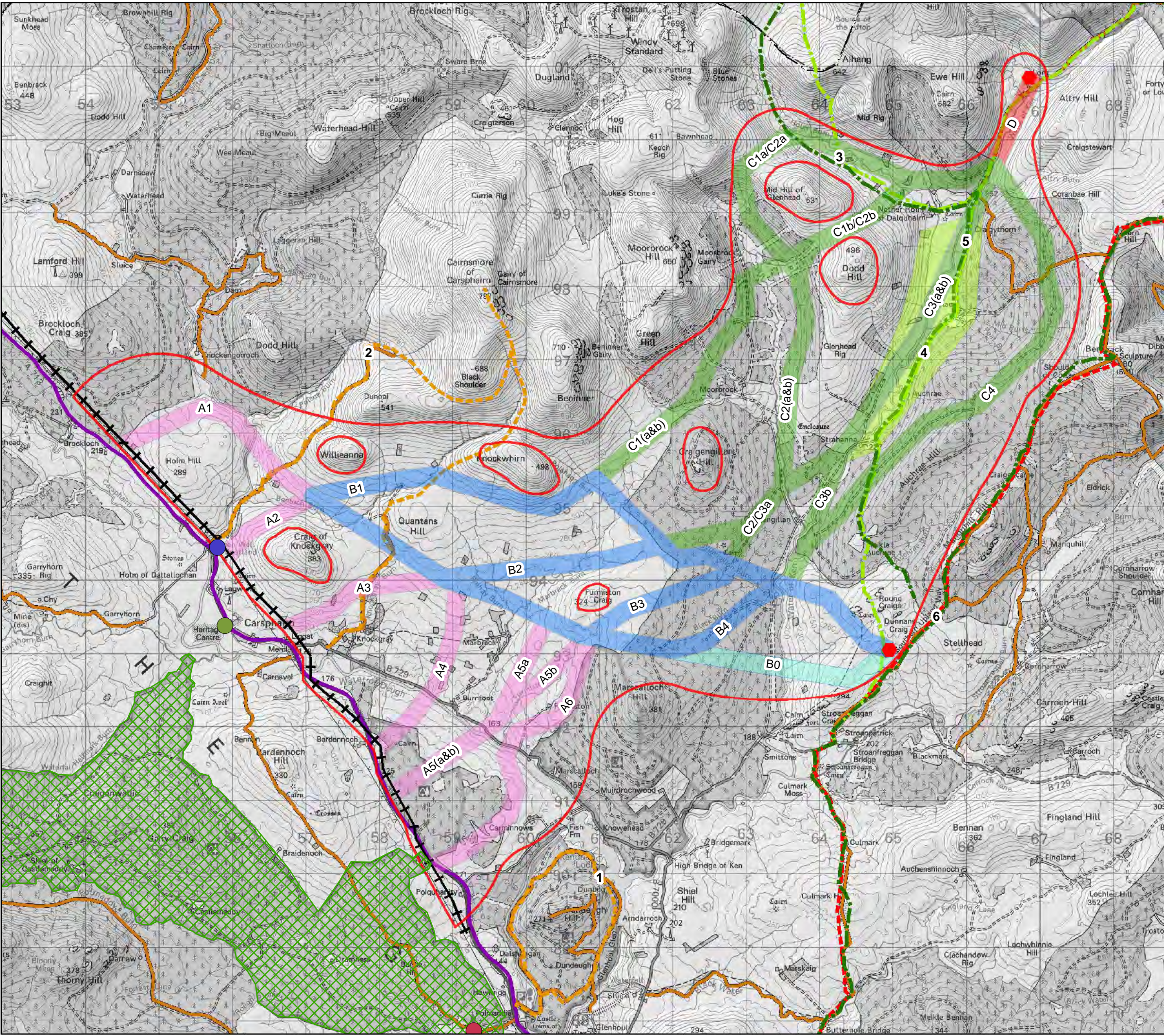


Client: **Lorg and Longburn Grid Connection**

Project: **Figure 17
Developed Route Options and
Peat Deposits**

Date: 9 March 2017 Scale: 50,000 @ A3
 Drawn: GH Checked: SM Approved: RL

Date Saved: 27/03/2017
 Document Path: \\uk.wspgroup.com\central\data\Projects\700256xx\70025617 - SPEN Longburn Log OHLE Models and Drawings\99 GIS\MXD\Report Figures March 2017\Figure 18 - Developed Route Options and Recreation and Tourism.mxd



Key	
	Developed Route Option Area
●	Windfarm Connection Point
	DE Route
	District Boundary
Route Options	
	Section A
	Section B
	Section B0
	Section C
	Section C3 Wider Option
	Section D
	Southern Upland Way
	Mountain Access Footpath
	Heritage Paths
	Scottish Hill Tracks
	Tourist Route
	Core Paths
	Galloway Forest Park
●	Carsphairn Heritage Centre
●	Green Well of Scotland
●	Polmaddy Village
Paths and Trails	
1	Dundeugh Hill Trail
2	Cairnsmore of Carsphairn
3	Old Road from New Cumnock to Dalquhairn
4	Sanquhar to Stroanpatrick Path
5	New Cumnock to St John's Town of Dalry by Glen Afton
6	St John's Town of Dalry to Sanquhar

N

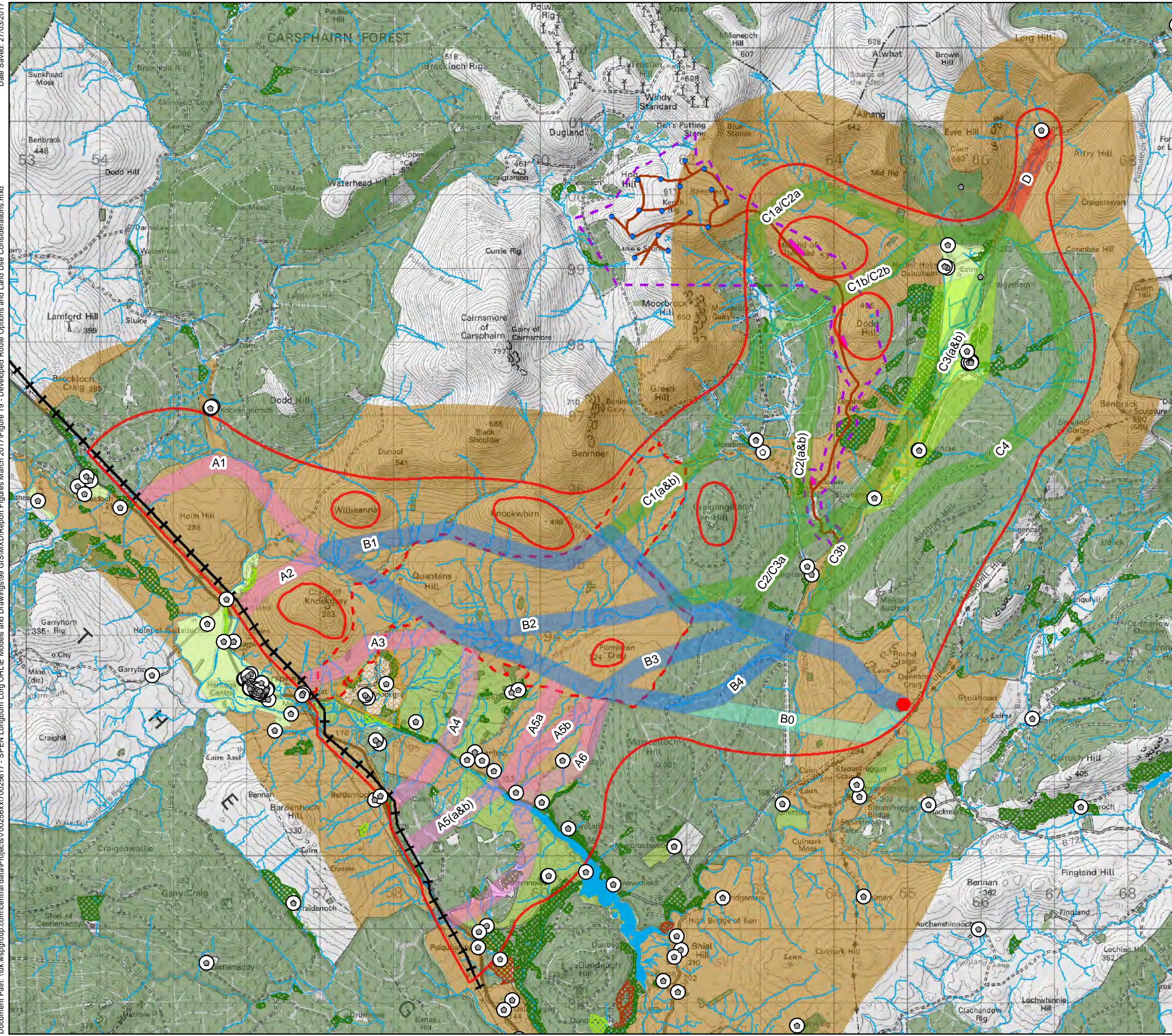
0 1 2 3 km

Client:

Project: **Lorg and Longburn Grid Connection**

Title: **Figure 18
Developed Route Options and
Recreation and Tourism**

Date: 9 March 2017 Scale: 50,000 @ A3
 Drawn: GH Checked: SM Approved: RL



Key

- Developed Route Option Area
- Windfarm Connection Point
- + DE Route

Route Options

 Section A	 Section C
 Section B	 Section C3 Wider
 Section B0	 Section D

- Quantans Hill Wind Farm (Valid Application)
- Windy Rig Wind Farm (Valid Application)
- Windy Rig Wind Turbines
- Windy Rig Wind Farm Access
- Windy Rig Wind Farm Site Entrance Compound
- Windy Rig Wind Farm Borrow Pit
- Residential Dwelling
- Residential Dwelling in Planning
- 100m Residential Buffer
- Native Woodland
- Nearly-Native Woodland
- Planted Ancient Woodland Sites
- Commercial Forestry
- Water Bodies
- River/Streams
- Non-Inventory Gardens and Designed Landscape
- Grazing Improved Grassland
- Rough Grazing Semi-Improved Grassland
- Rough Grazing Moorland

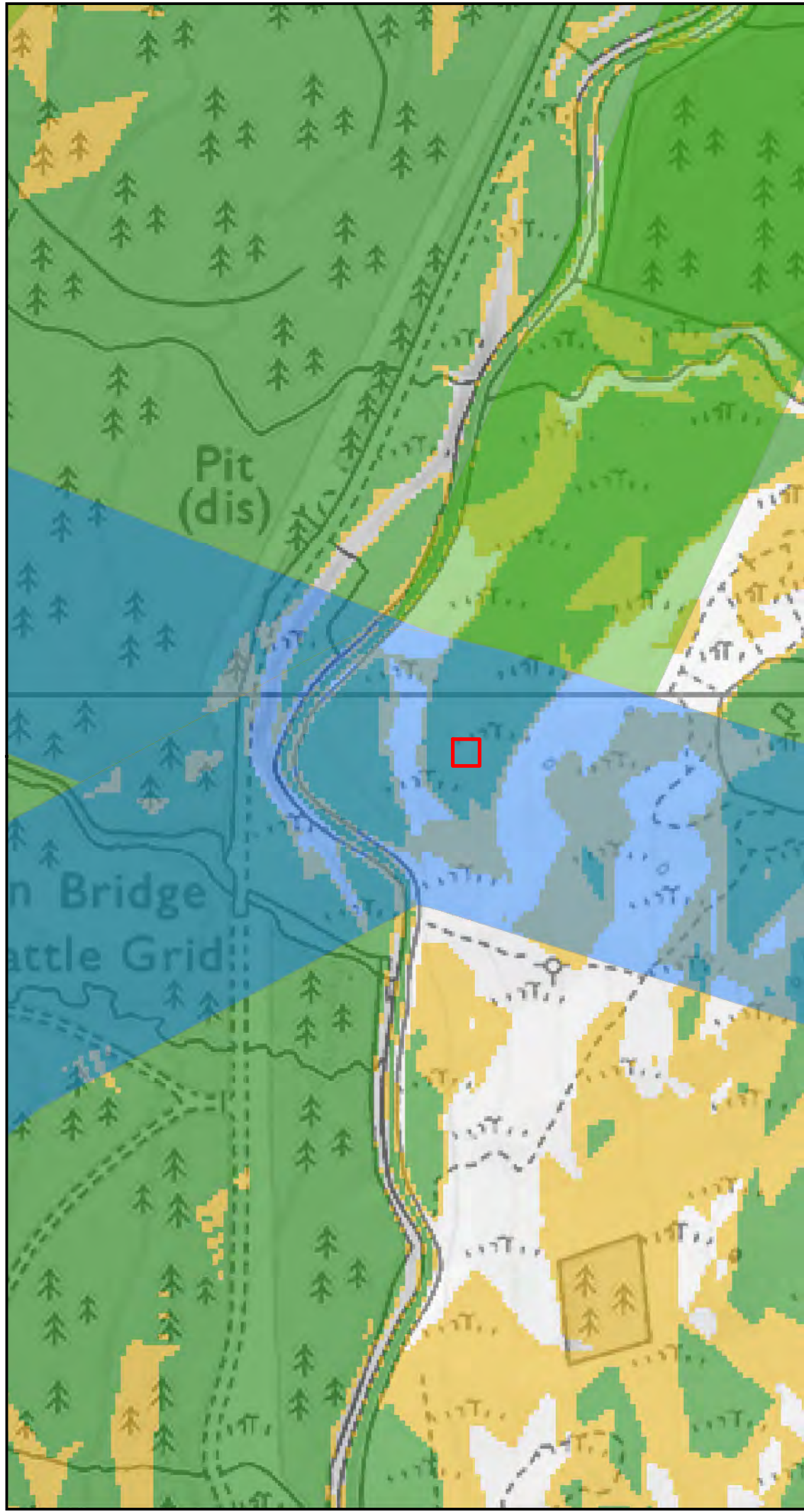
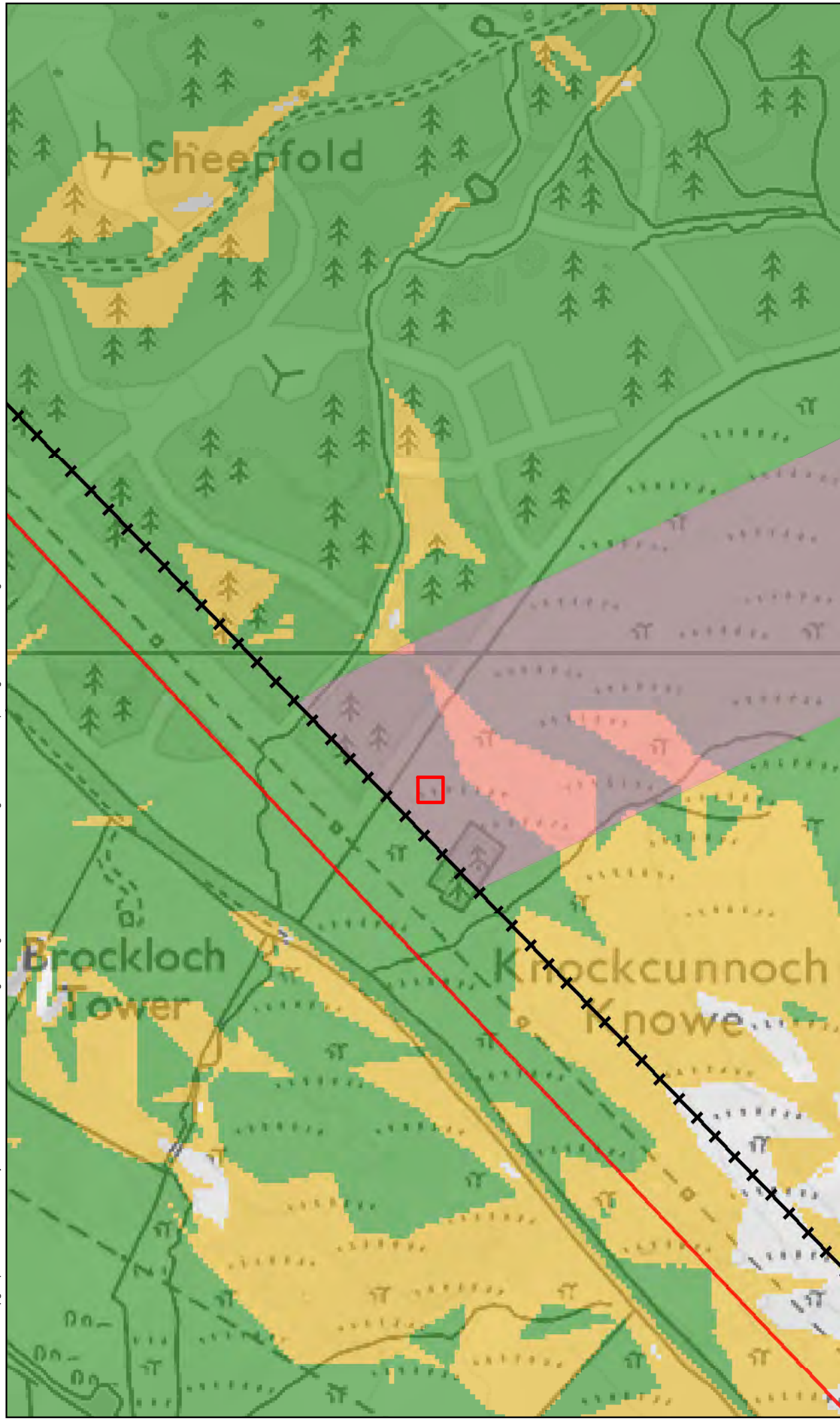
0 1 2 3 km

Client: SP ENERGY NETWORKS

Project: **Lorg and Longburn Grid Connection**

Title: **Figure 19
Developed Route Options and Land Use Considerations**

Date: 9 March 2017	Scale: 50,000 @ A3
Drawn: GH	Checked: SM
	Approved: RL



Key

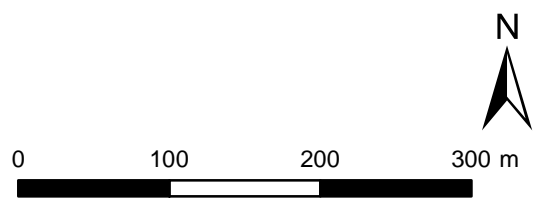
- Developed Route Option Area
- Indicative Sealing End Compound (25m x 25m)
- DE Route

Route Options

- Section A
- Section B
- Section C

Slope Analysis

- Slopes Between 0° and 6°
- Slopes Between 6° and 10°

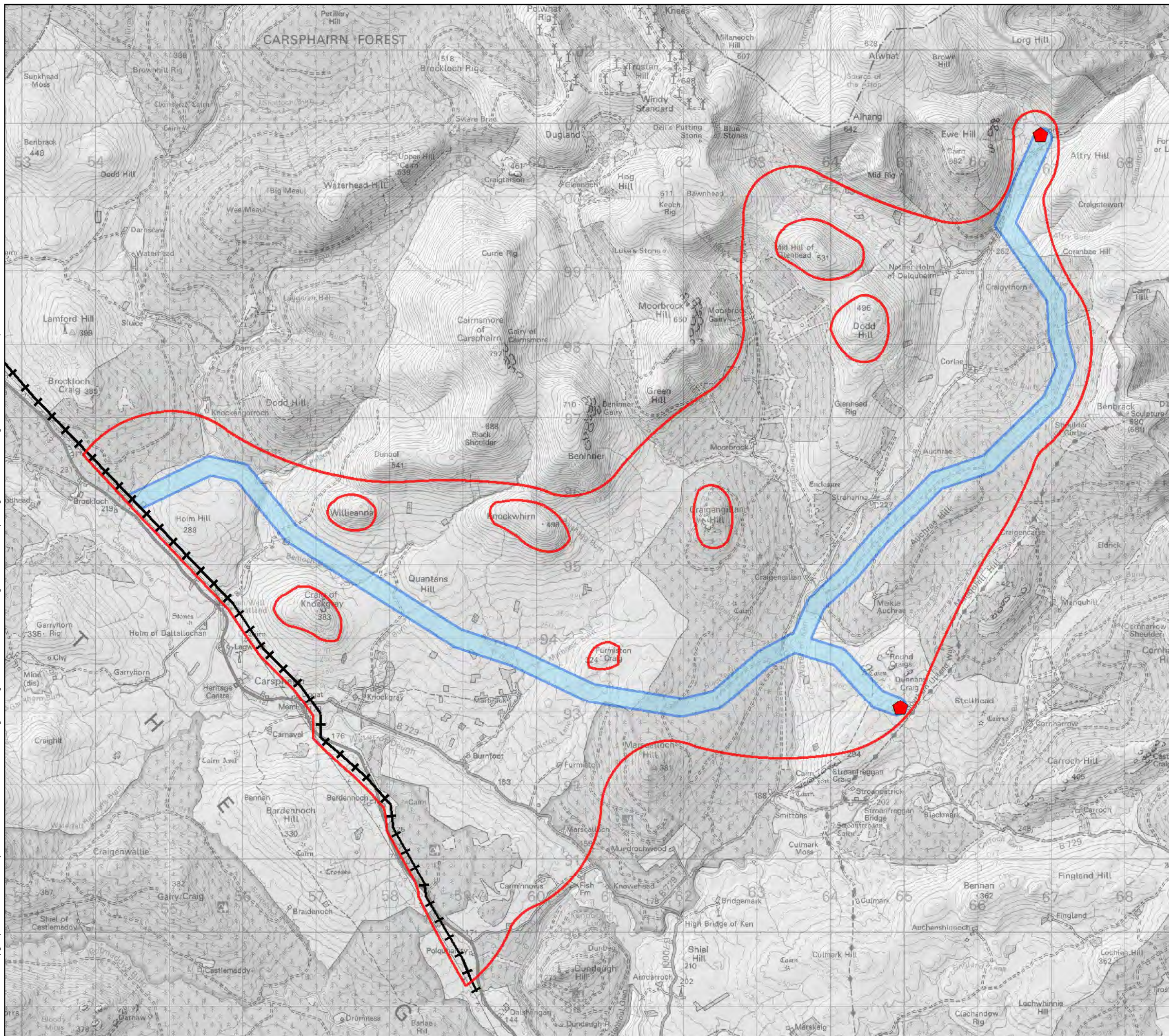


Client: **SP ENERGY NETWORKS**

Project: **Lorg and Longburn Grid Connection**

Title: **Figure 20
Overhead Line Junction Gradient0**

Date: 9 March 2017 Scale: 5,000 @ A3
 Drawn: GH Checked: SM Approved: RL



- Key**
- Developed Route Option Area
 - ◆ Windfarm Connection Point
 - DE Route
 - Preferred Route



Client:
 Project: **Lorg and Longburn Grid Connection**

Title: **Figure 21 Preferred Route Option**

Date: 9 March 2017 Scale: 50,000 @ A3
 Drawn: GH Checked: SM Approved: RL

