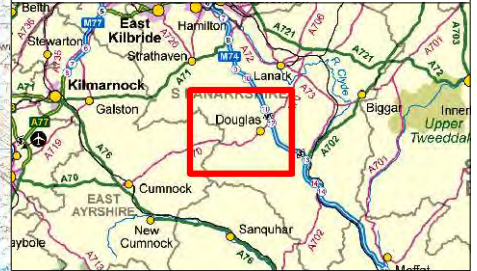


- Legend:**
- Kennoxhead Windfarm Point of Connection
 - Coalburn Collector Substation
 - Study Area
 - South Lanarkshire Council Boundary

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

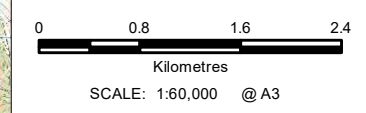


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Kennoxhead Wind Farm Grid Connection

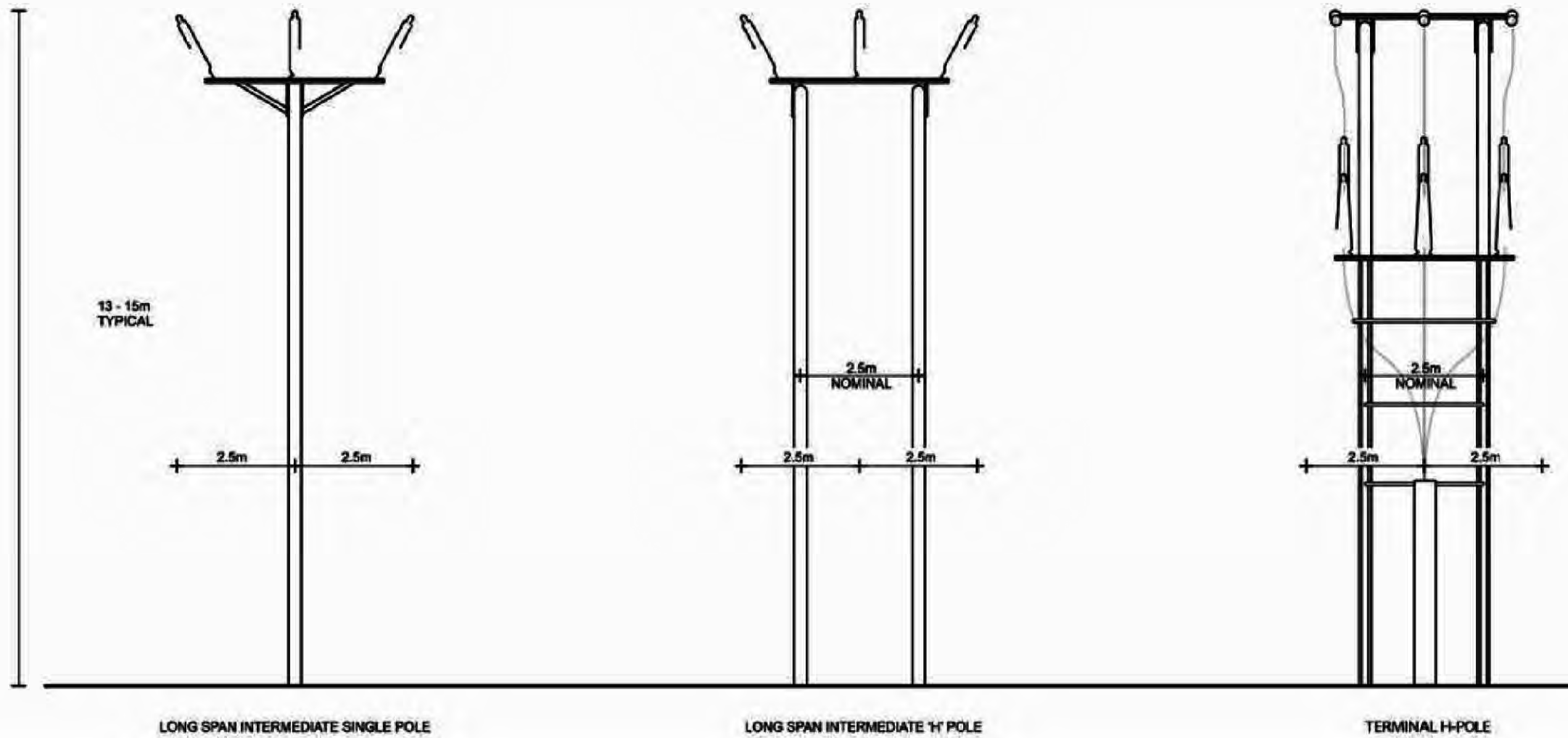


TITLE: Figure 1.1 - Study Area and Context



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Kennoxhead Wind Farm Grid Connection



TITLE:
Figure 1.2a -
Trident Woodpole Structures
Scale Drawings

SCALE: NOT TO SCALE

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Legend:

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00	07/11/2019	Final	FC	RB	JS

Kennoxhead Wind Farm Grid Connection



TITLE:
Figure 1.2b - Trident Woodpole
Typical Specification and Types
(Intermediate Structures)

SCALE: NOT TO SCALE

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Legend:

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00	07/11/2019	Final	FC	RB	JS

Kennoxhead Wind Farm Grid Connection



TITLE:
Figure 1.2c - Trident Woodpole
Typical Specification and Types
(Section Structures)

SCALE: NOT TO SCALE

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Legend:

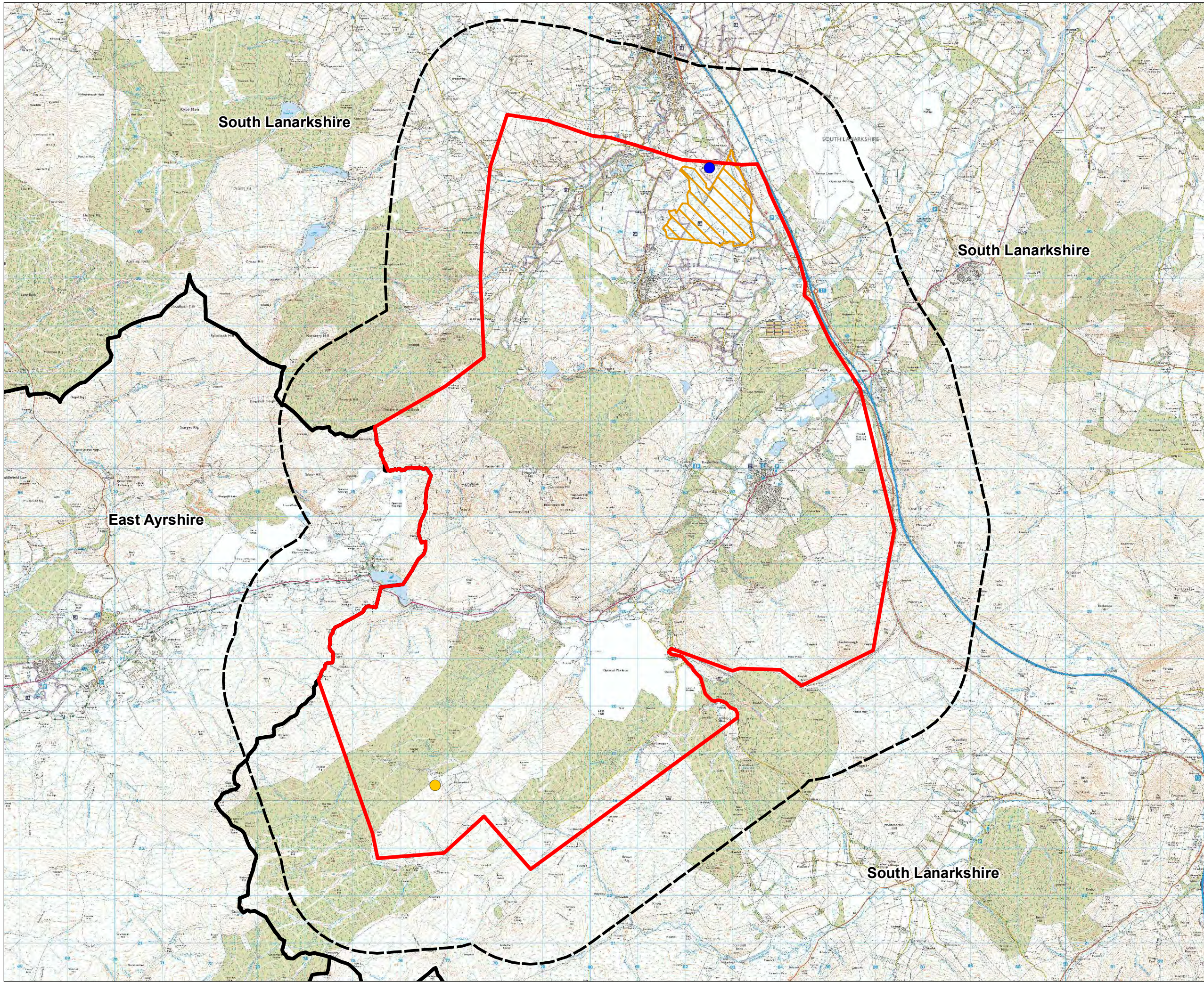
Rev	Date	Description	Drn	Chk	App
00	07/11/2019	Final	FC	RB	JS

Kennoxhead Wind Farm Grid Connection



TITLE:
Figure 1.2d - Trident Woodpole
Typical Specification and Types
(Terminal Structures)

SCALE: NOT TO SCALE REV 00



- Legend:**
- Kennoxhead Windfarm Point of Connection
 - Coalburn Collector Substation
 - Study Area
 - 2km Buffer
 - South Lanarkshire Council Boundary
 - Coalburn Moss (SAC and SSSI)

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

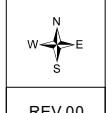
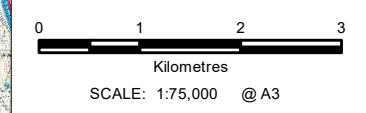


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00	07/11/2019	First Draft	FC	RB	JS

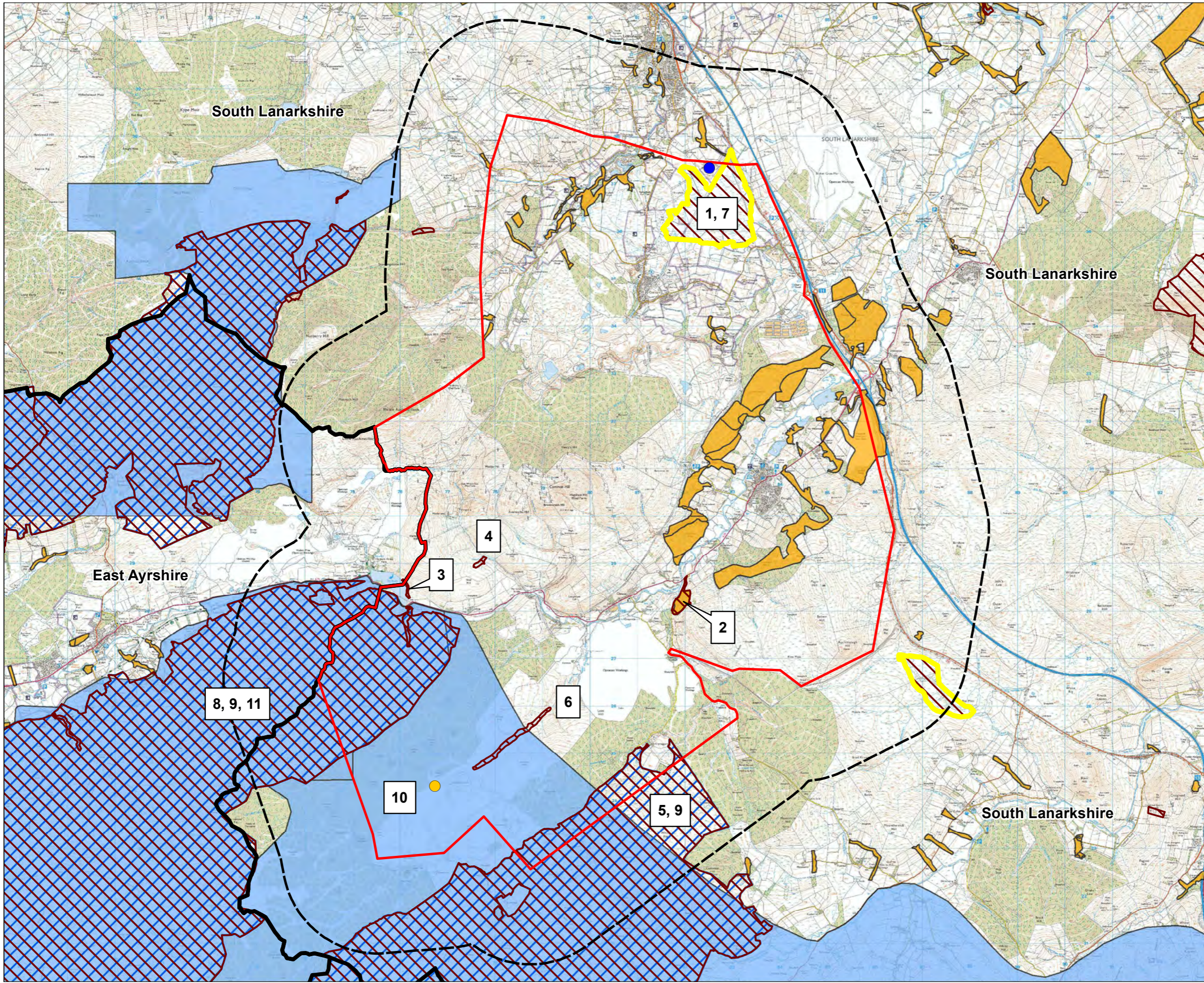
Kennoxhead Wind Farm Grid Connection



TITLE: Figure 2.1 - Study Area With 2km Buffer



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- Legend:**
- Kennoxhead Windfarm Point of Connection
 - Coalburn Collector Substation
 - Study Area
 - 2km Buffer
 - District Unitary Boundary
 - SSSI
 - SPA
 - SAC
 - Important Bird Area
 - Ancient Woodland

- SAC:**
1 - Coalburn Moss
7 - Coalburn Moss
- SSSI:**
2 - Miller's Wood
3 - Ree Burn and Glenbuck Loch
4 - Shiel Burn
5 - North Lowther Uplands
6 - Kennox Water
7 - Coalburn Moss
8 - Muirkirk Uplands
- SPA:**
9 - Muirkirk and North Lowther Uplands
- IBA:**
10 - North Lowther Hills
11 - Airds Moss and Muirkirk Uplands

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

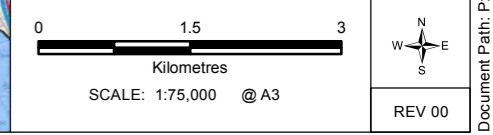


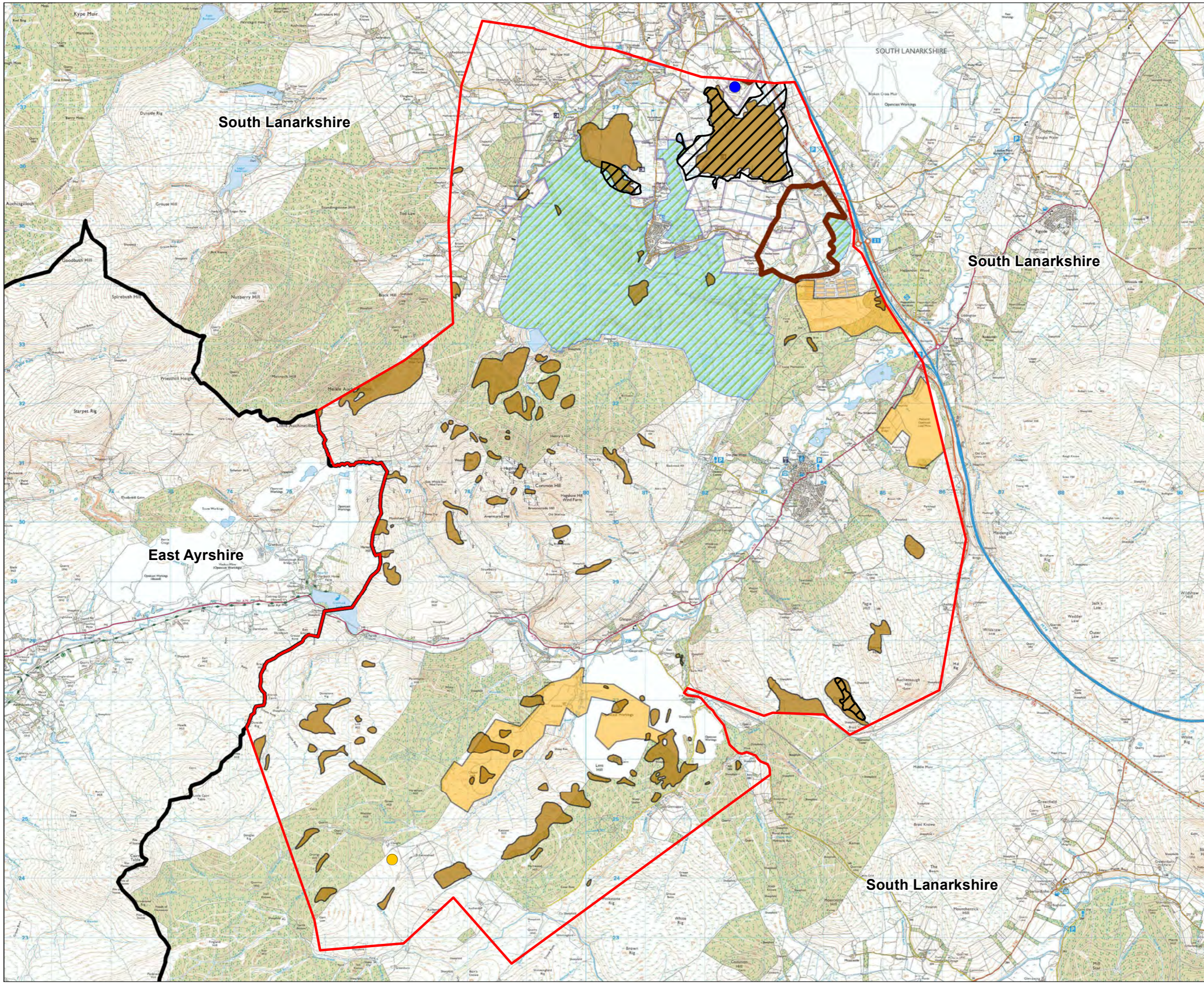
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Kennoxhead Wind Farm Grid Connection



TITLE: Figure 3.1 - Ecological Designations





Legend:

- Study Area
- Kennoxhead Windfarm Point of Connection
- Coalburn Collector Substation
- South Lanarkshire Council Boundary
- Areas Of Peat (BGS)
- Areas of Mining
- Potential Mineral Extraction Zone
- Mineral Extraction Zone
- Carbon and Peatland (SNH 2016) Class 1

Note:

Certain areas identified as containing peat by the BGS are unlikely to be present now due to the development of windfarms and historic mining / mineral extraction

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

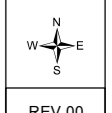
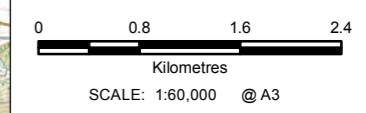


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00	22/11/2019	First Draft	FC	RB	JS

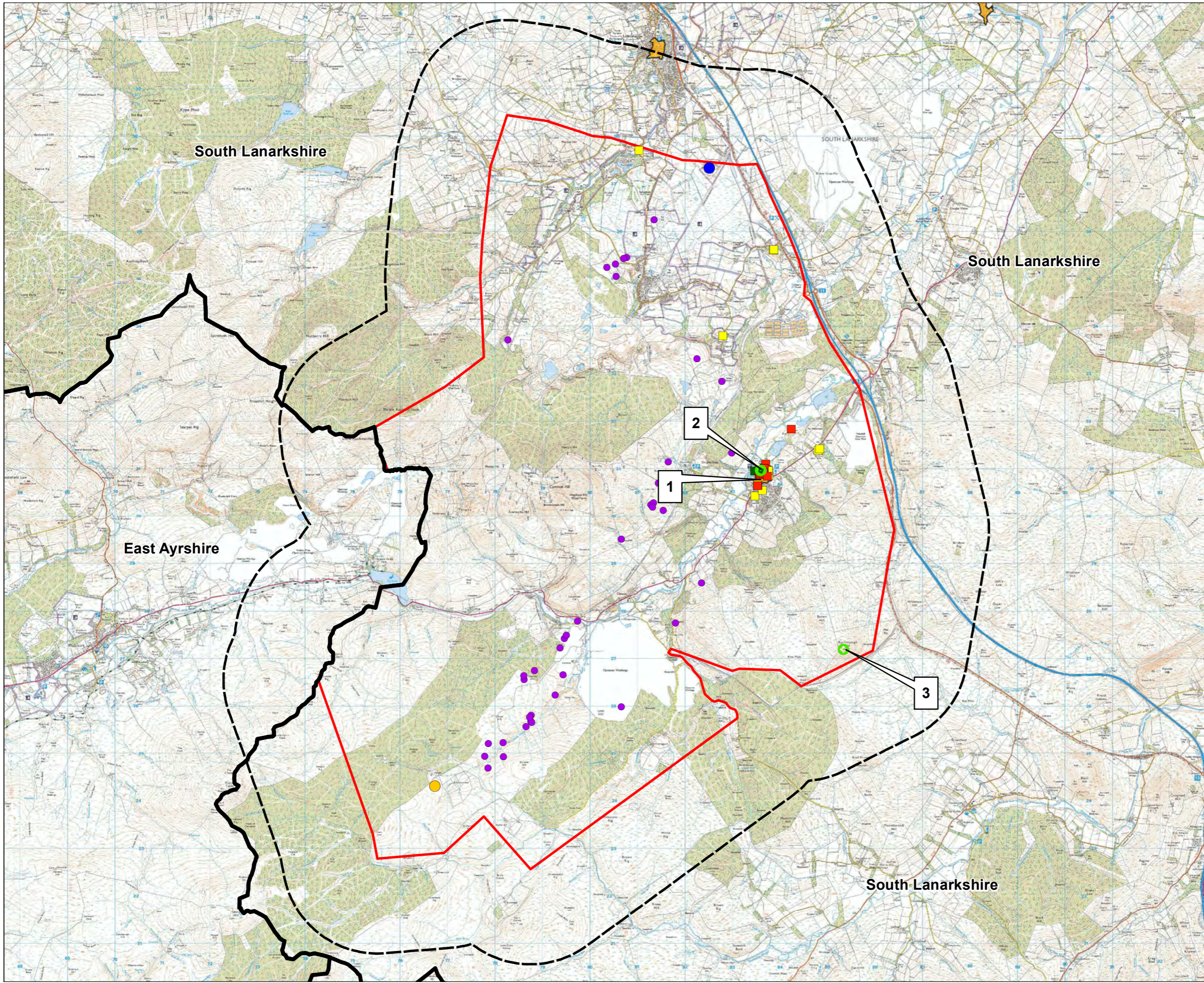
Kennoxhead Wind Farm Grid Connection



TITLE: Figure 3.2 - Peat Deposits



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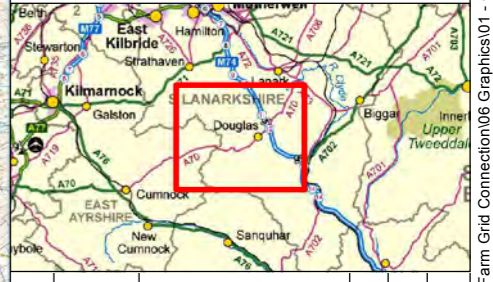


- Legend:**
- Kennoxhead Windfarm Point of Connection
 - Coalburn Collector Substation
 - Study Area
 - 2km Buffer
 - South Lanarkshire Council Boundary
 - Category A Listed Building
 - Category B Listed Building
 - Category C Listed Building
 - Scheduled Monument
 - Conservation Area
 - Non-Designated Asset

Conservation Area:
1 - Douglas

Scheduled Monument:
2 - Douglas St Brides Chapel
3 - Auchensauigh Hill

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

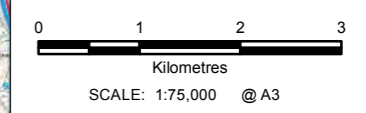


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00	22/11/2019	First Draft	FC	RB	JS

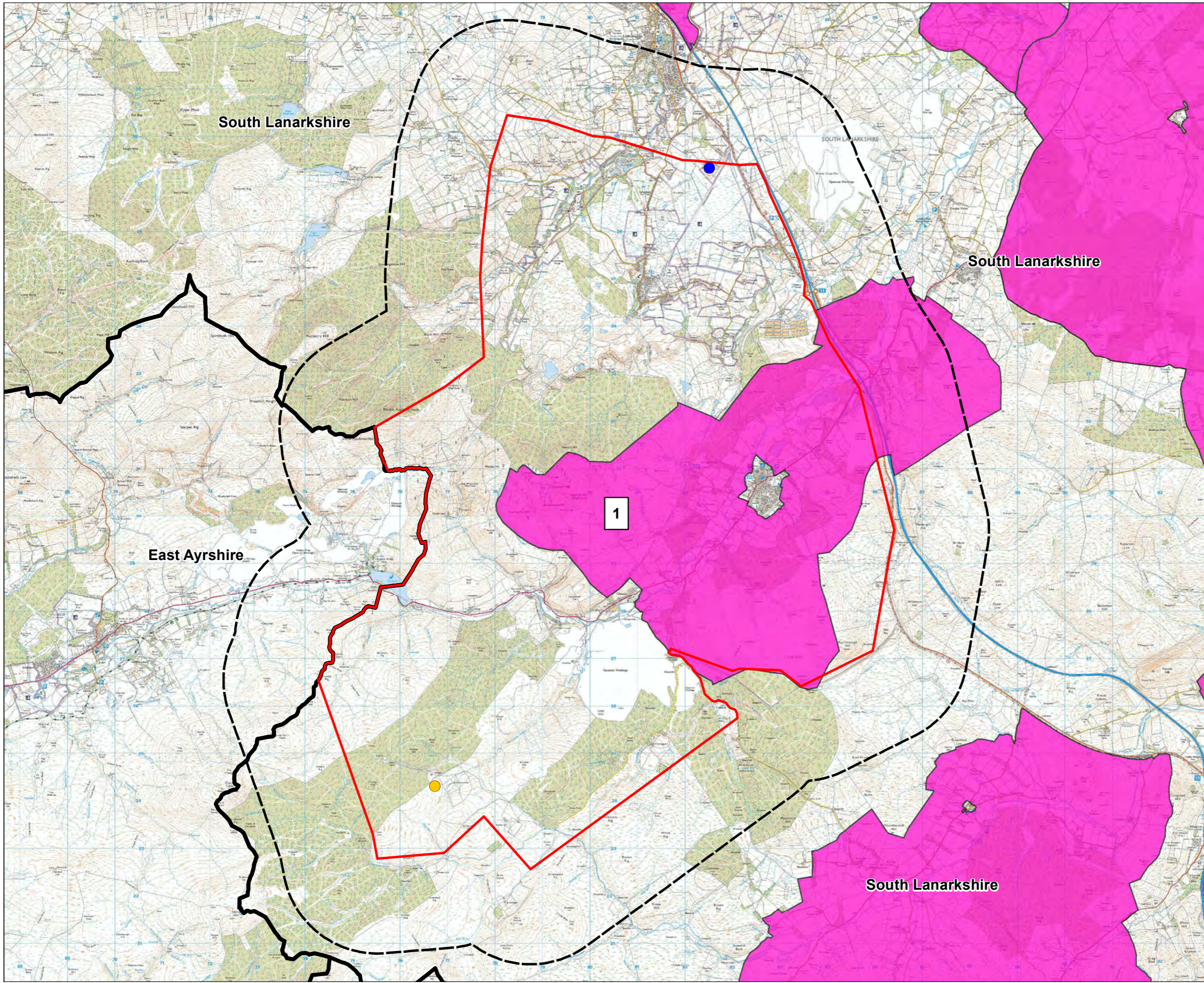
Kennoxhead Wind Farm Grid Connection



TITLE: Figure 3.3 - Cultural Heritage Assets Within Study Area



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- Legend:**
- Kennoxhead Windfarm Point of Connection
 - Coalburn Collector Substation
 - Study Area
 - South Lanarkshire Council Boundary
 - 2km Buffer
 - Special Landscape Area

Special Landscape Area:
1 - Douglas Valley

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

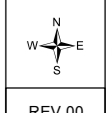
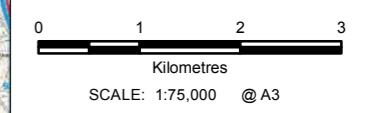


Rev	Date	Description	Drm	Chk	App
00	08/11/2019	First Draft	FC	RB	JS

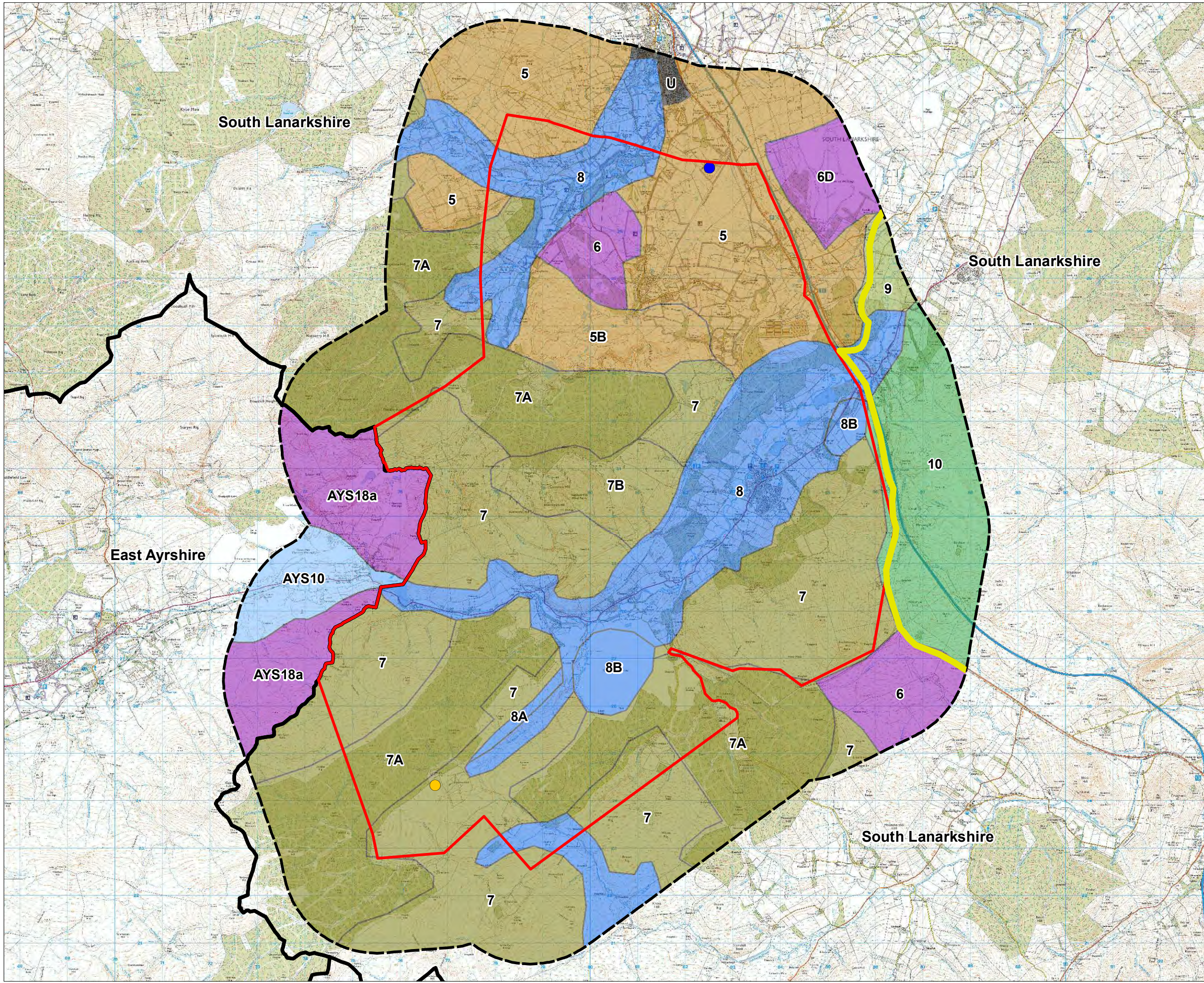
Kennoxhead Wind Farm Grid Connection



TITLE:
Figure 3.4a -
Landscape Designations

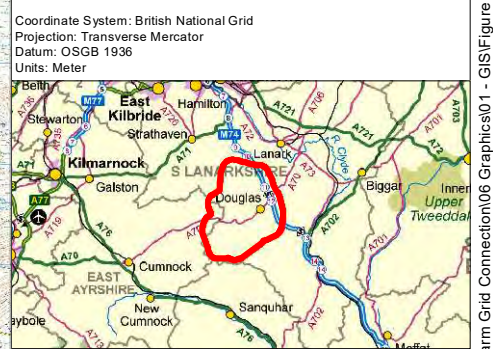


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- Legend:**
- Kennoxhead Windfarm Point of Connection
 - Coalburn Collector Substation
 - Study Area
 - 2km Buffer
 - South Lanarkshire Council Boundary
 - 5 - Plateau Farmland
 - 5B - Plateau Farmland Opencast Mining
 - 6 / AYS18a - Plateau Moorland
 - 6D - Plateau Moorland Opencast Mining
 - 7 - Rolling Moorland
 - 7A - Rolling Moorland Forestry
 - 7B - Rolling Moorland Windfarm
 - 8 - Upland River Valley
 - 8A - Upland River Valley Incised
 - 8B - Upland River Valley Opencast Mining
 - AYS10 - Upper River Valleys
 - 9 - Broad Valley Upland
 - 10 - Foothills
 - U - Urban
 - South Uplands Foothills Regional Landscape Character Area

Note:-
 The LCT shown are as per the 'South Lanarkshire Landscape Character Assessment' produced by Ironside Farrar in November 2010 on behalf of South Lanarkshire Council

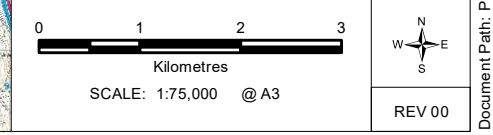


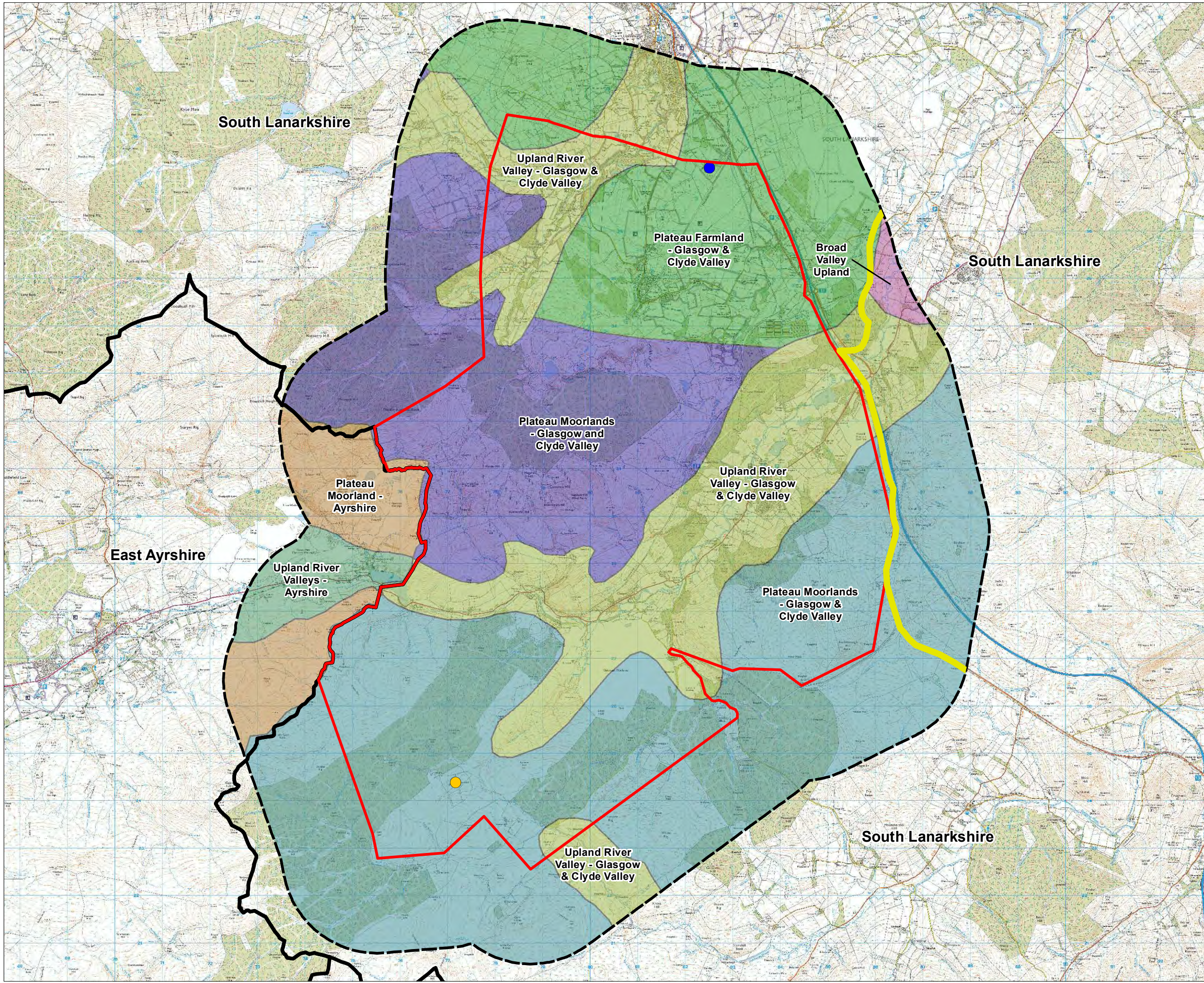
Rev	Date	Description	Drn	Chk	App
00	07/11/2019	First Draft	FC	RB	JS

Kennoxhead Wind Farm Grid Connection



TITLE: Figure 3.4b - South Lanarkshire Landscape Character Areas





- Legend:**
- Kennoxhead Windarm Point of Connection
 - Coalburn Collector Substation
 - Study Area
 - 2km Buffer
 - South Lanarkshire Council Boundary
 - Broad Valley Upland
 - Plateau Farmland - Glasgow & Clyde Valley
 - Plateau Moorland -
 - Plateau Moorlands - Glasgow & Clyde Valley
 - Plateau Moorlands - Glasgow and Clyde Valley
 - Upland River Valley - Glasgow & Clyde Valley
 - Upland River Valleys -
 - South Uplands Foothills Regional Landscape Character Area

Note:-
 The LCT shown are as per the 'Landscape Character Assessment in Scotland' published in July 2019 by Scottish Natural Heritage

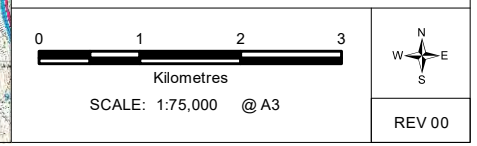


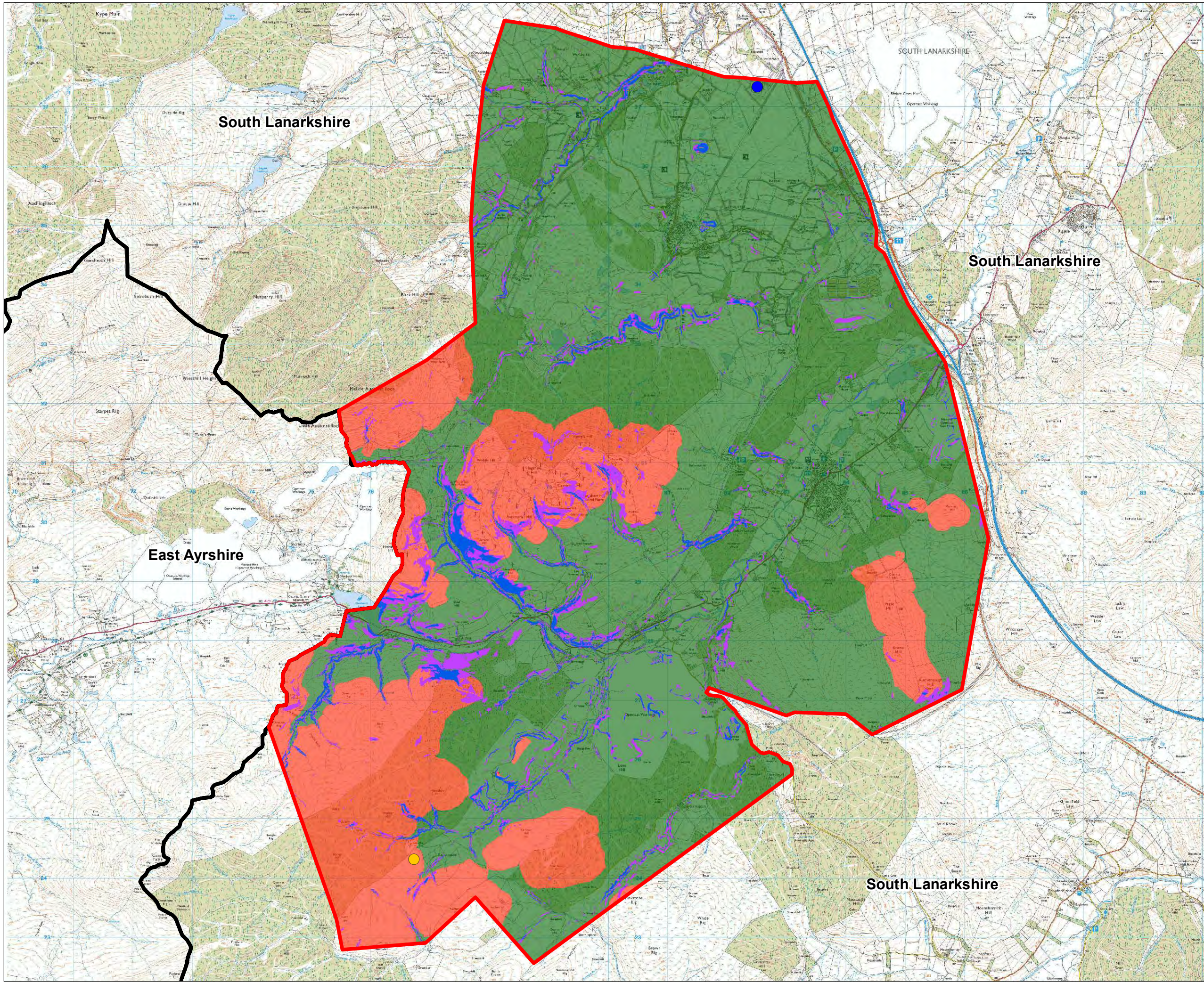
Rev	Date	Description	Drn	Chk	App
00	07/11/2019	First Draft	FC	RB	JS

Kennoxhead Wind Farm Grid Connection



TITLE: Figure 3.4c - SNH Landscape Character Areas





- Legend:**
- Kennoxhead Windfarm Point of Connection
 - Coalburn Collector Substation
 - Study Area
 - South Lanarkshire Council Boundary
- Elevation (mAOD)**
- <350
 - >350
- Slope Angle (degrees)**
- <15
 - 15 - 22
 - >22

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

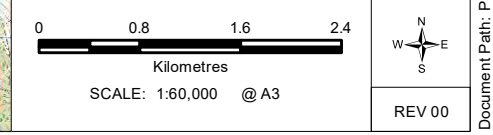


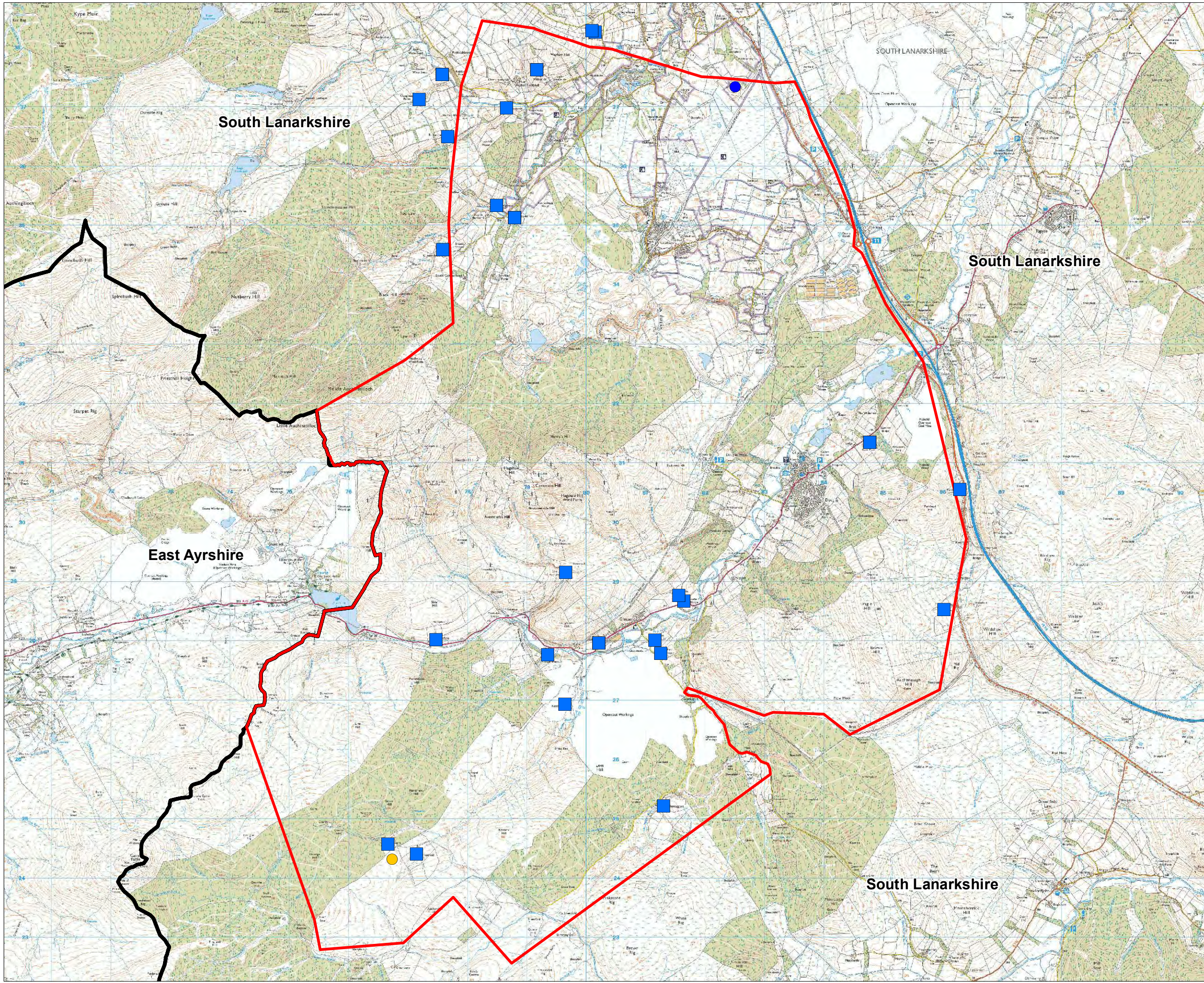
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00	07/11/2019	First Draft	FC	RB	JS

Kennoxhead Wind Farm Grid Connection



TITLE: Figure 3.5 - Topography Plan (Elevation, Metres Above Ordnance Datum)





- Legend:**
- Study Area
 - Kennoxhead Windfarm Point of Connection
 - Coalburn Collector Substation
 - South Lanarkshire Council Boundary
 - Private Water Supply

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

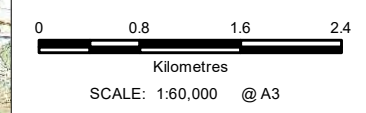


Rev	Date	Description	Drn	Chk	App
00	07/11/2019	First Draft	FC	RB	JS

Kennoxhead Wind Farm Grid Connection

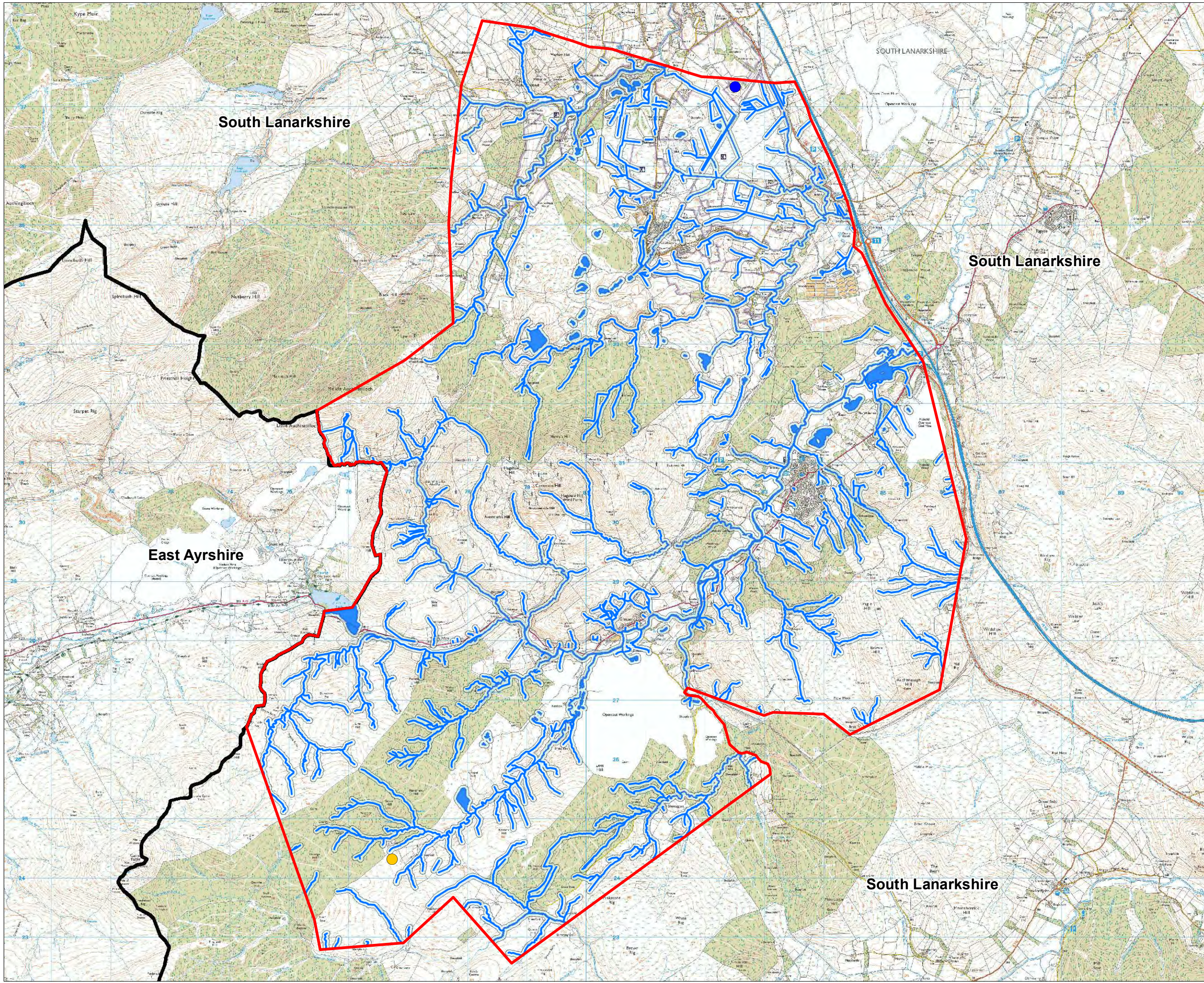


TITLE: Figure 3.6a - Private Water Supplies



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- Legend:**
- Study Area
 - Kennoxhead Windfarm Point of Connection
 - Coalburn Collector Substation
 - South Lanarkshire Council Boundary
 - Surface Water (Line)
 - Surface Water (Area)
 - 50m Surface Water Buffer

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

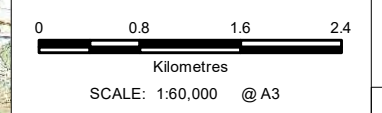


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00	07/11/2019	First Draft	FC	RB	JS

Kennoxhead Wind Farm Grid Connection

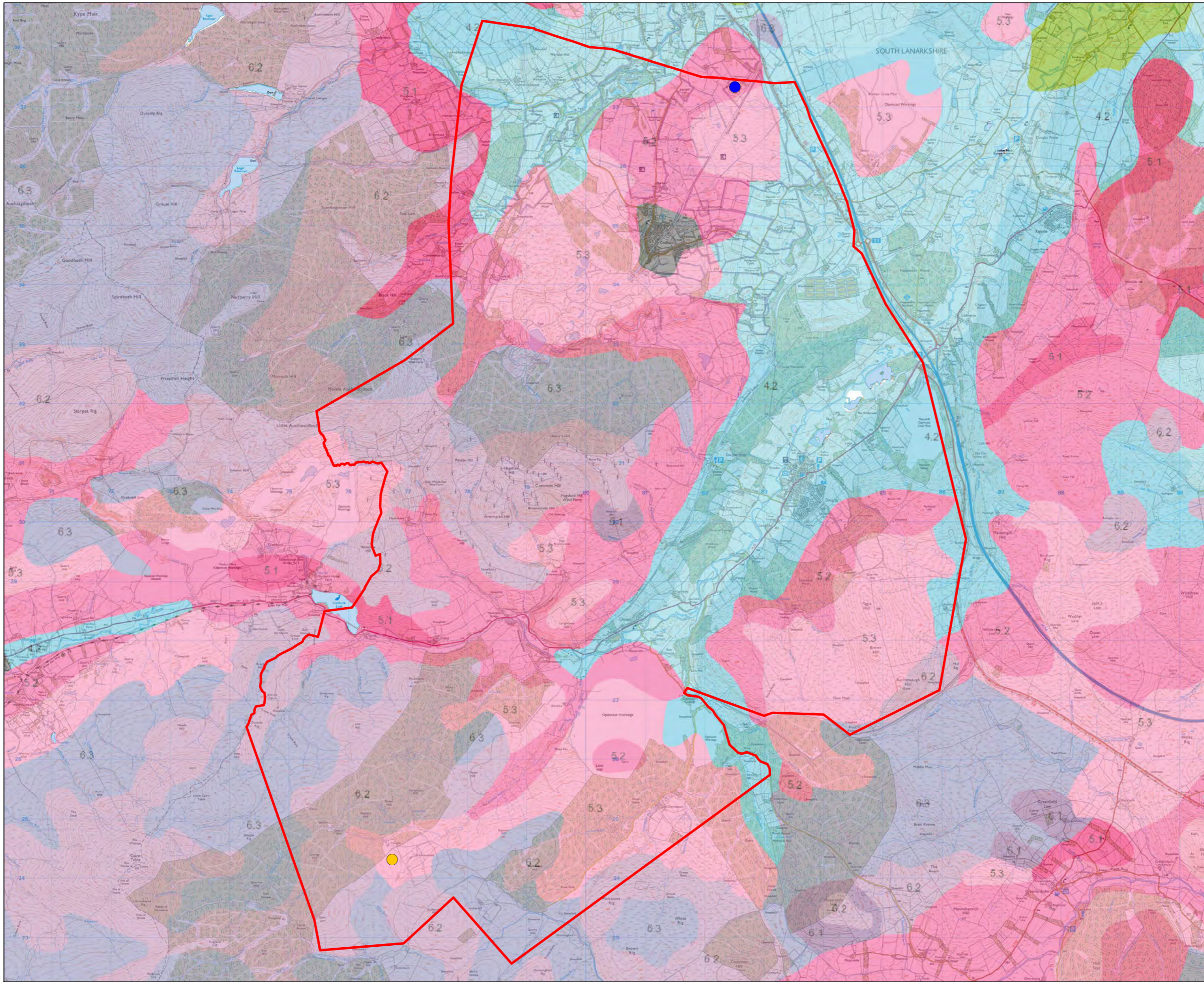


TITLE:
 Figure 3.6b -
 Surface Water Features



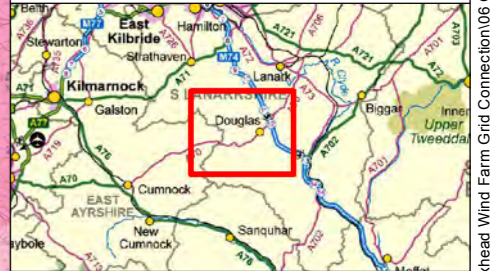
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- Legend:**
- Kennoxhead Windfarm Point of Connection
 - Coalburn Collector Substation
 - Study Area
- Land Use Classification**
- 4.1 - Land capable of producing a narrow range of crops, primarily grassland with short arable breaks of forage crops and cereal
 - 4.2 - Land capable of producing a narrow range of crops, primarily on grassland with short arable breaks of forage crops
 - 5.1 - Land capable of use as improved grassland. Few problems with pasture establishment and maintenance and potential high yields
 - 5.2 - Land capable of use as improved grassland. Few problems with pasture establishment but may be difficult to maintain
 - 5.3 - Land capable of use as improved grassland. Pasture deteriorates quickly
 - 6.1 - Land capable of use as rough grazings with a high proportion of palatable plants
 - 6.2 - Land capable of use as rough grazings with moderate quality plants
 - 6.3 - Land capable of use as rough grazings with low quality plants
 - Urban - Urban

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

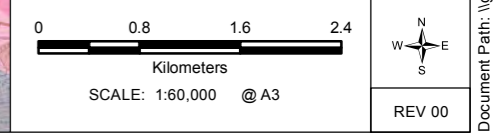


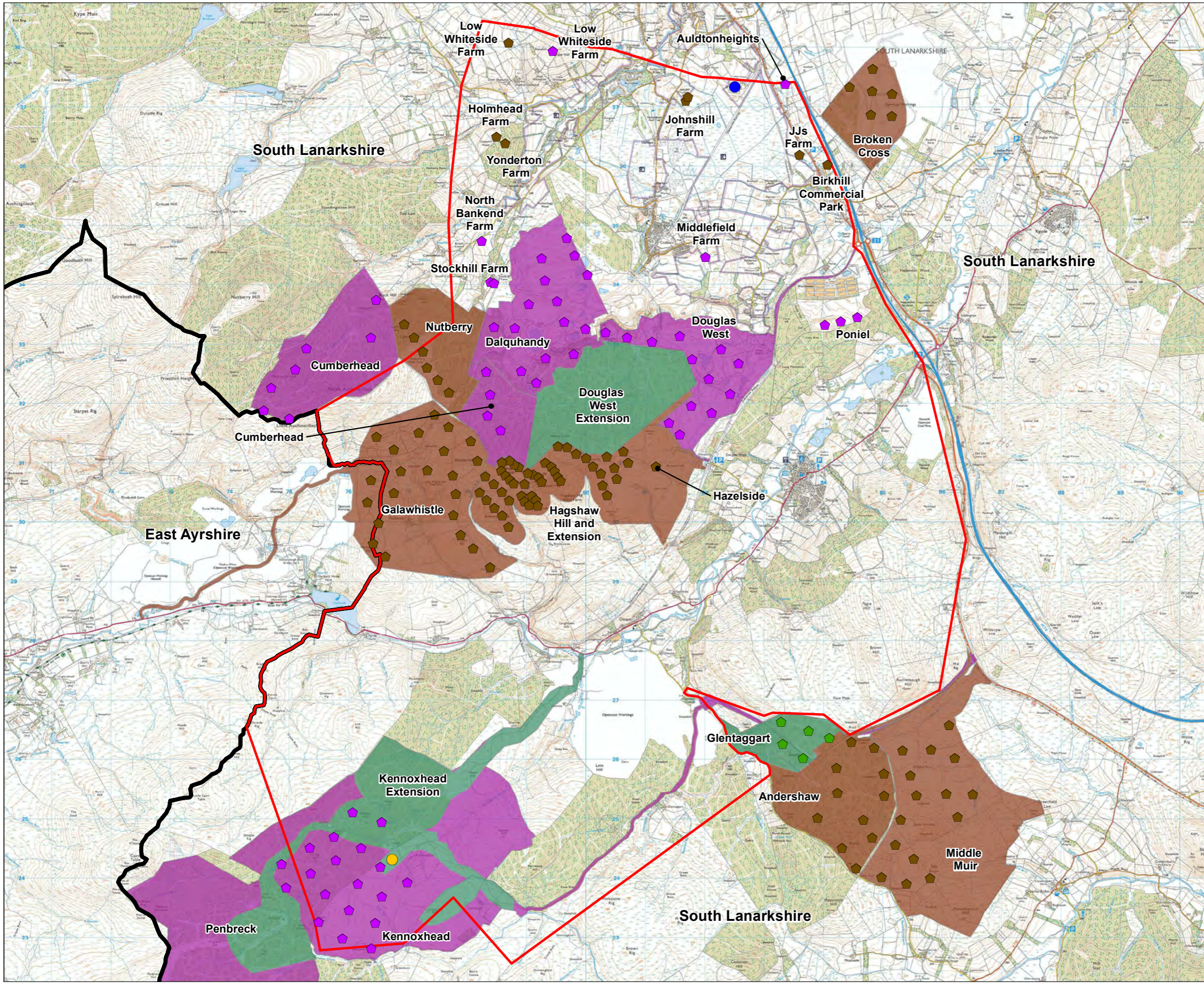
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Kennoxhead Wind Farm Grid Connection



TITLE: **Figure 3.7a - Agricultural Land Use**





- Legend:**
- Study Area
 - Kennoxhead Windfarm Point of Connection
 - Coalburn Collector Substation
 - South Lanarkshire Council Boundary
- Wind Farm Boundary**
- In Planning
 - Consented
 - Built
- Turbine Location**
- ◆ In Planning
 - ◆ Consented
 - ◆ Built

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

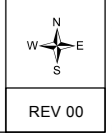
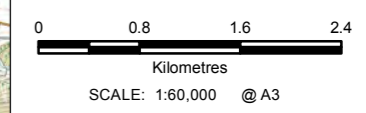


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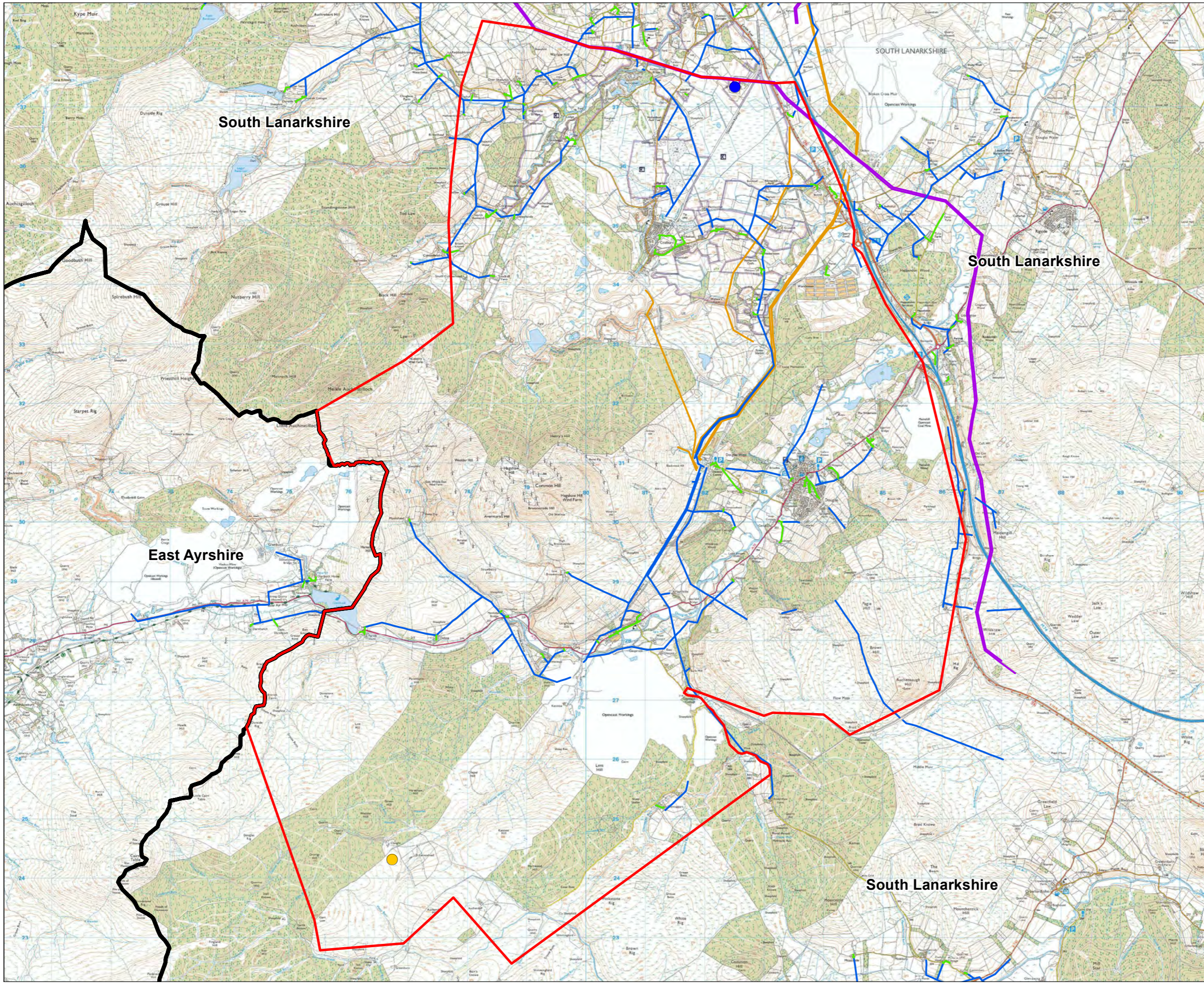
Kennoxhead Wind Farm Grid Connection



TITLE: Figure 3.7b - Wind Farms and Wind Turbines



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- Legend:**
- Study Area
 - Kennoxhead Windfarm Point of Connection
 - Coalburn Collector Substation
 - South Lanarkshire Council Boundary
 - EHV Overhead Line (33kV) - Distribution
 - HV Overhead Line (11kV) - Distribution
 - LV Overhead Line (230V) - Distribution
 - Transmission Overhead Line (400kV) - Transmission

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

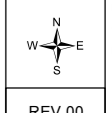
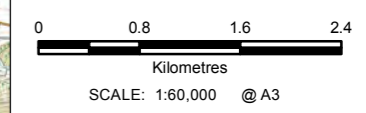


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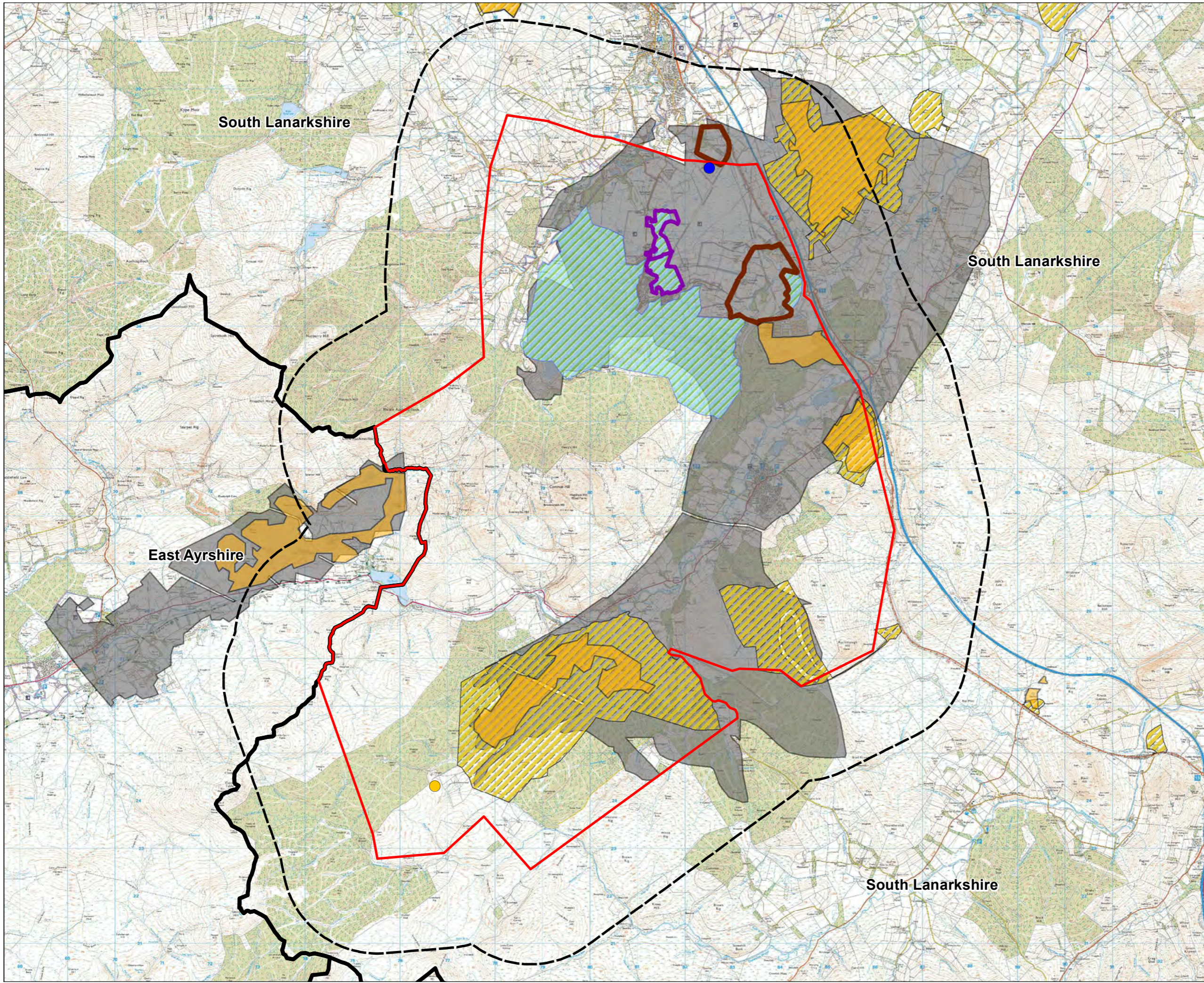
Kennoxhead Wind Farm Grid Connection



TITLE: Figure 3.7c - Existing OHLs



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- Legend:**
- Study Area
 - Kennoxhead Windfarm Point of Connection
 - Coalburn Collector Substation
 - South Lanarkshire Council Boundary
 - 2km Buffer
 - Areas of Mining
 - Minerals 09 LP Extracted Site
 - Mineral Extraction Zone
 - Potential Mineral Extraction Zone
 - Areas of Surface Coal
 - Bing Restoration Area

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

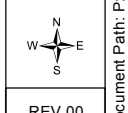
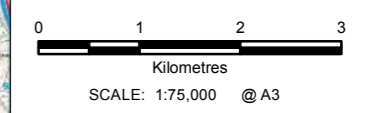


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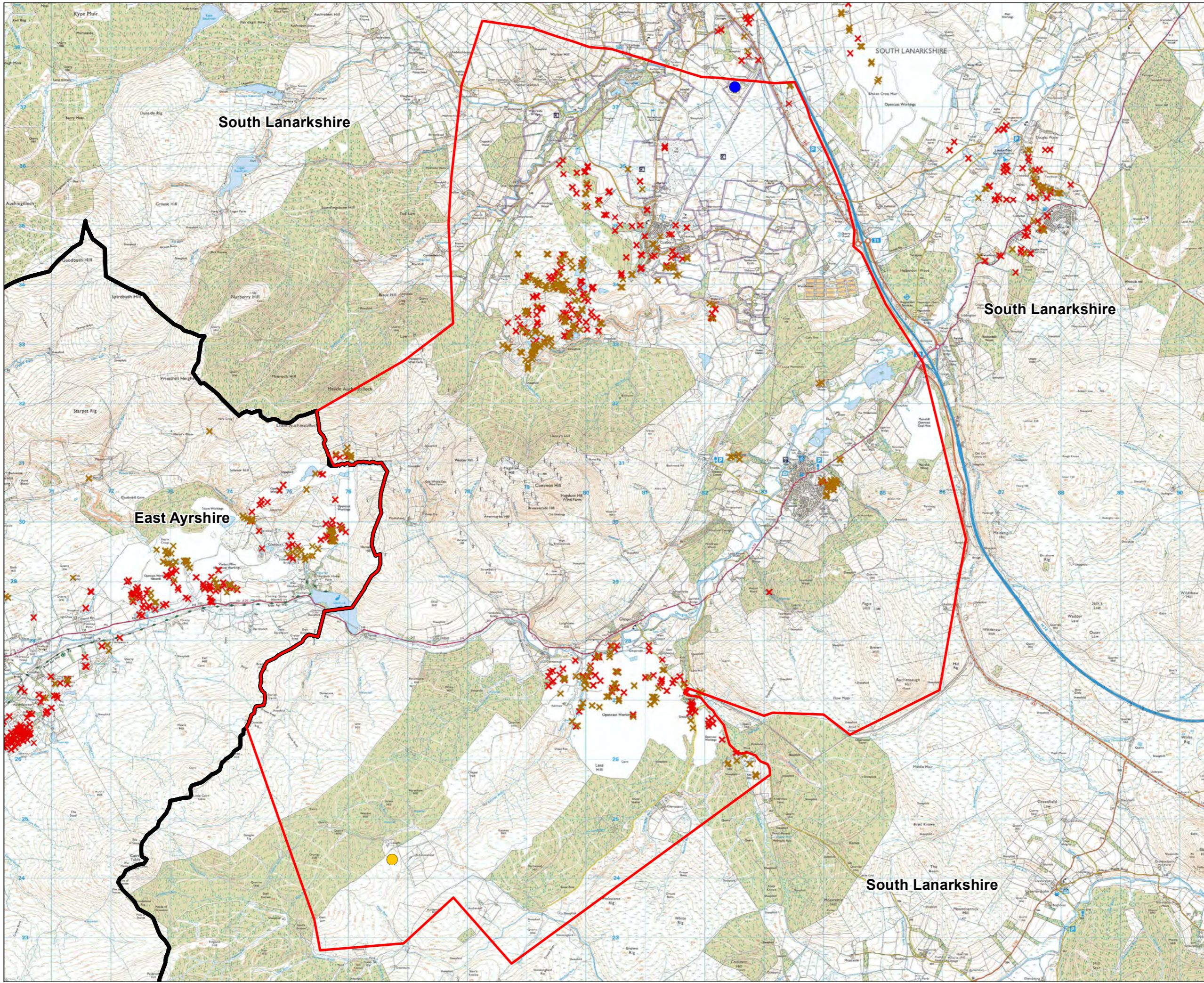
Kennoxhead Wind Farm Grid Connection



TITLE:
 Figure 3.7d - Mining:
 Mineral Extraction Zones



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- Legend:**
- Study Area
 - Kennoxhead Windfarm Point of Connection
 - Coalburn Collector Substation
 - South Lanarkshire Council Boundary
 - × Adit
 - × Shaft

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

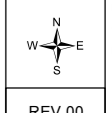
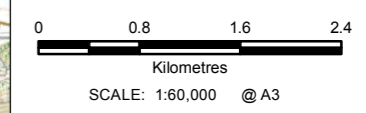


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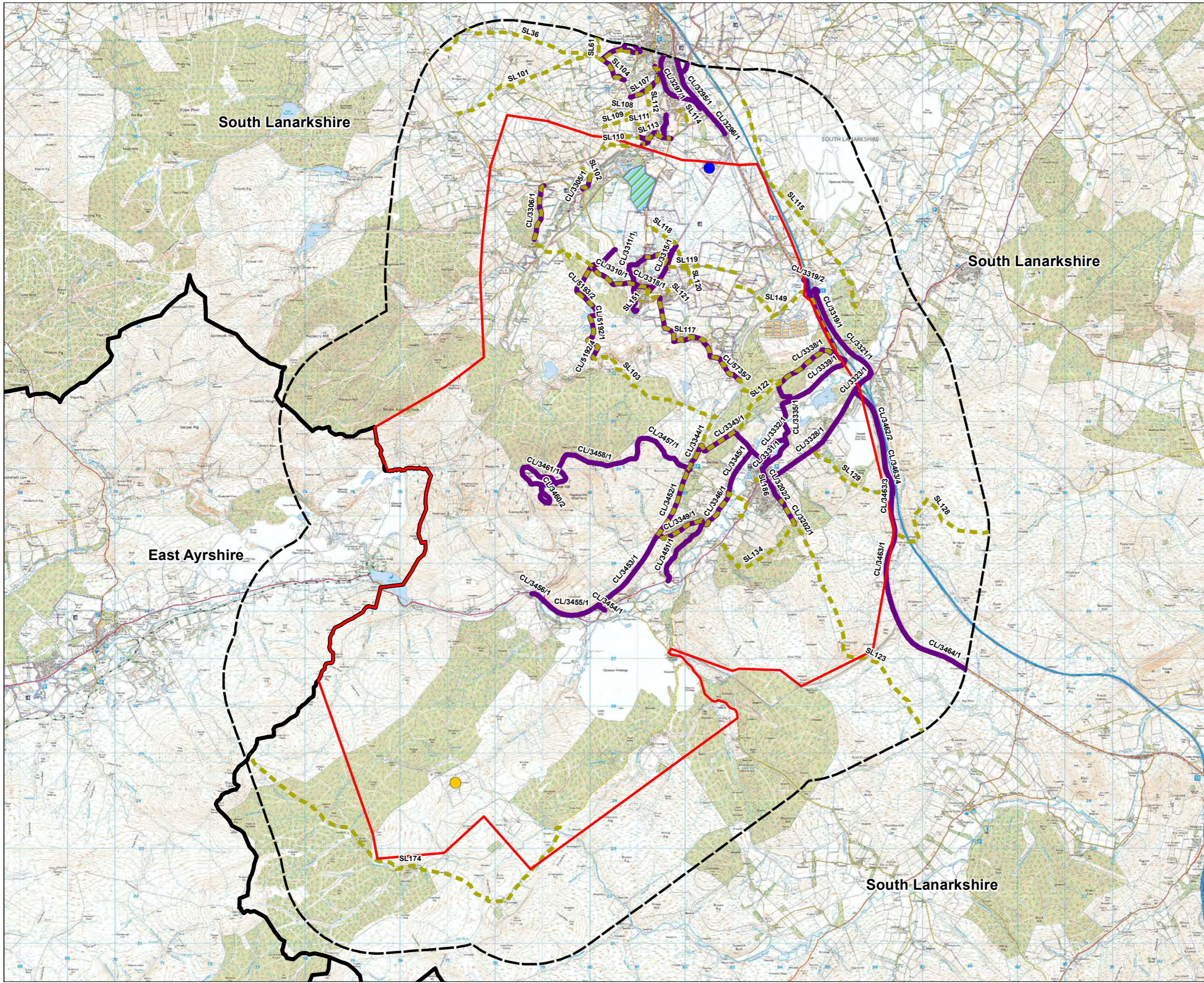
Kennoxhead Wind Farm Grid Connection



TITLE: **Figure 3.7e - Mining: Mine Entires**

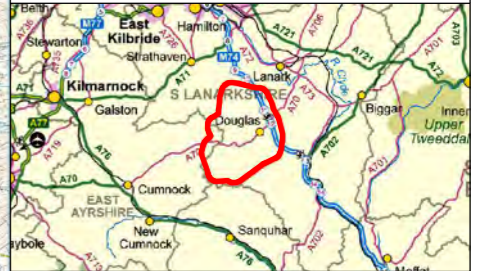


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- Legend:**
- Kennoxhead Windfarm Point of Connection
 - Coalburn Collector Substation
 - Study Area
 - 2km Buffer
 - South Lanarkshire Council Boundary
 - Right of Way
 - Core Path
 - Hollandbush Golf Course

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

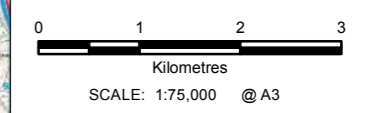


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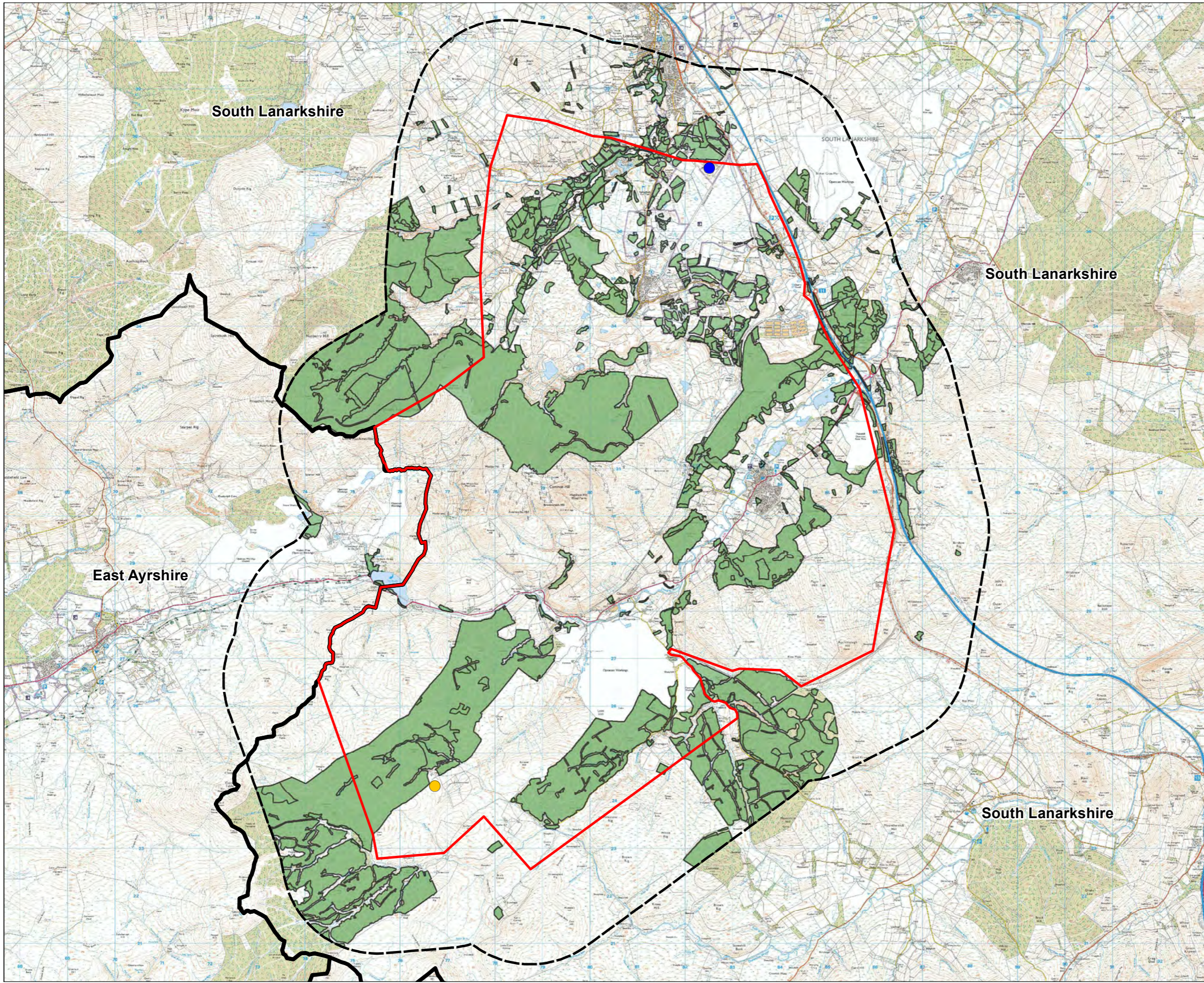
Kennoxhead Wind Farm Grid Connection



TITLE: Figure 3.7f - Tourism and Recreation



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- Legend:**
- Kennoxhead Windfarm Point of Connection
 - Coalburn Collector Substation
 - Study Area
 - 2km Buffer
 - District Unitary Boundary
 - National Forest Inventory Woodland

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

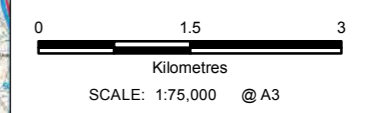


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00	08/11/2019	First Draft	FC	JS	JS

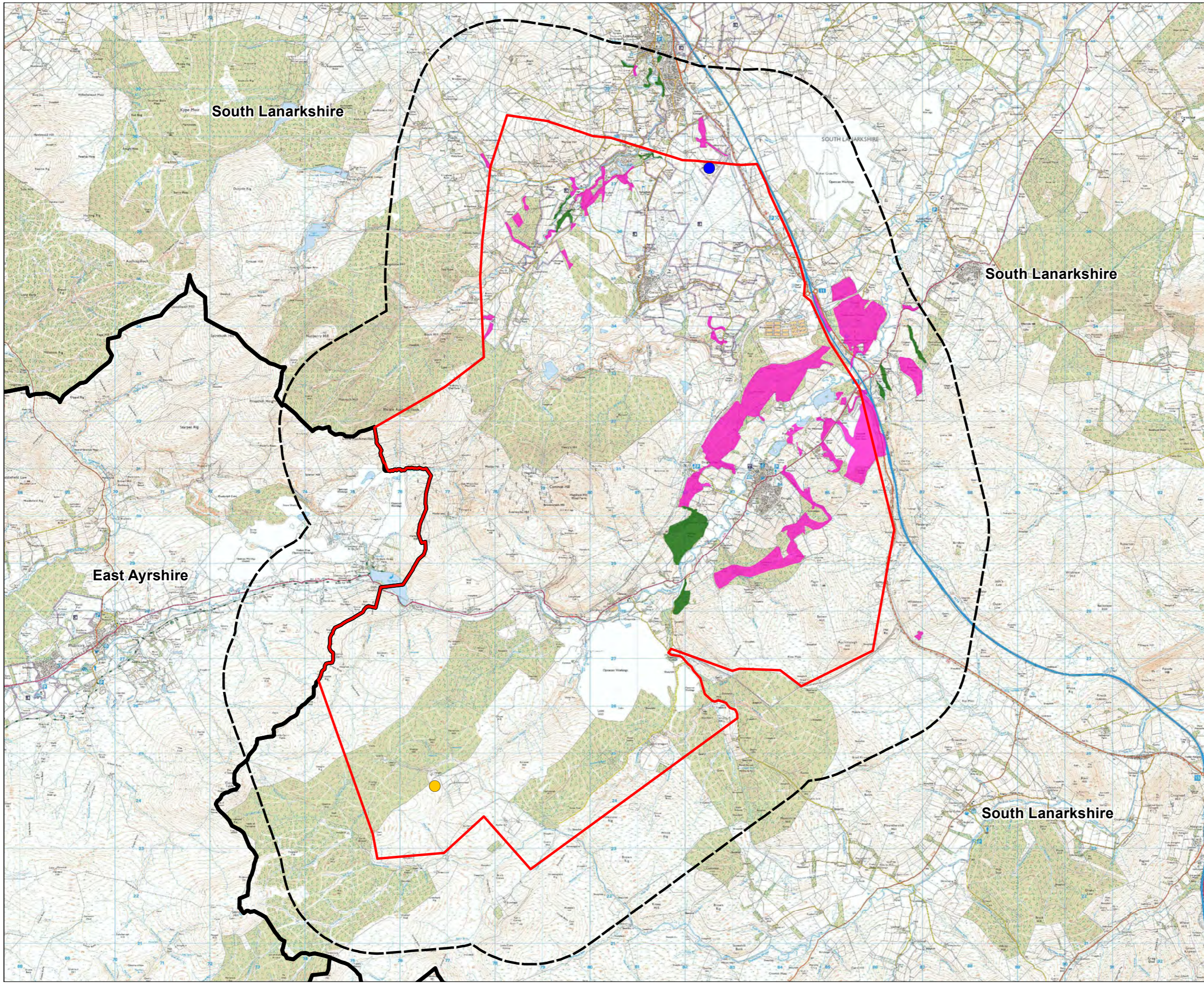
Kennoxhead Wind Farm Grid Connection



TITLE: Figure 3.8a - FC National Forestry Inventory Woodland Plan

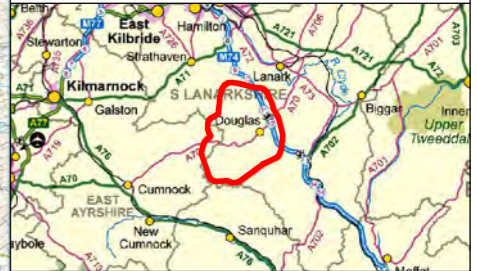


REV 00



- Legend:**
- Kennoxhead Windfarm Point of Connection
 - Coalburn Collector Substation
 - Study Area
 - 2km Buffer
 - District Unitary Boundary
- Ancient Woodland**
- Ancient (of semi-natural origin)
 - Long-Established (of plantation origin)

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

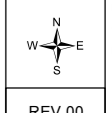
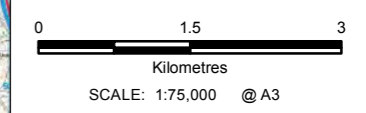


Rev	Date	Description	Drm	Chk	App
00	18/12/2019	First Draft	FC	JS	JS

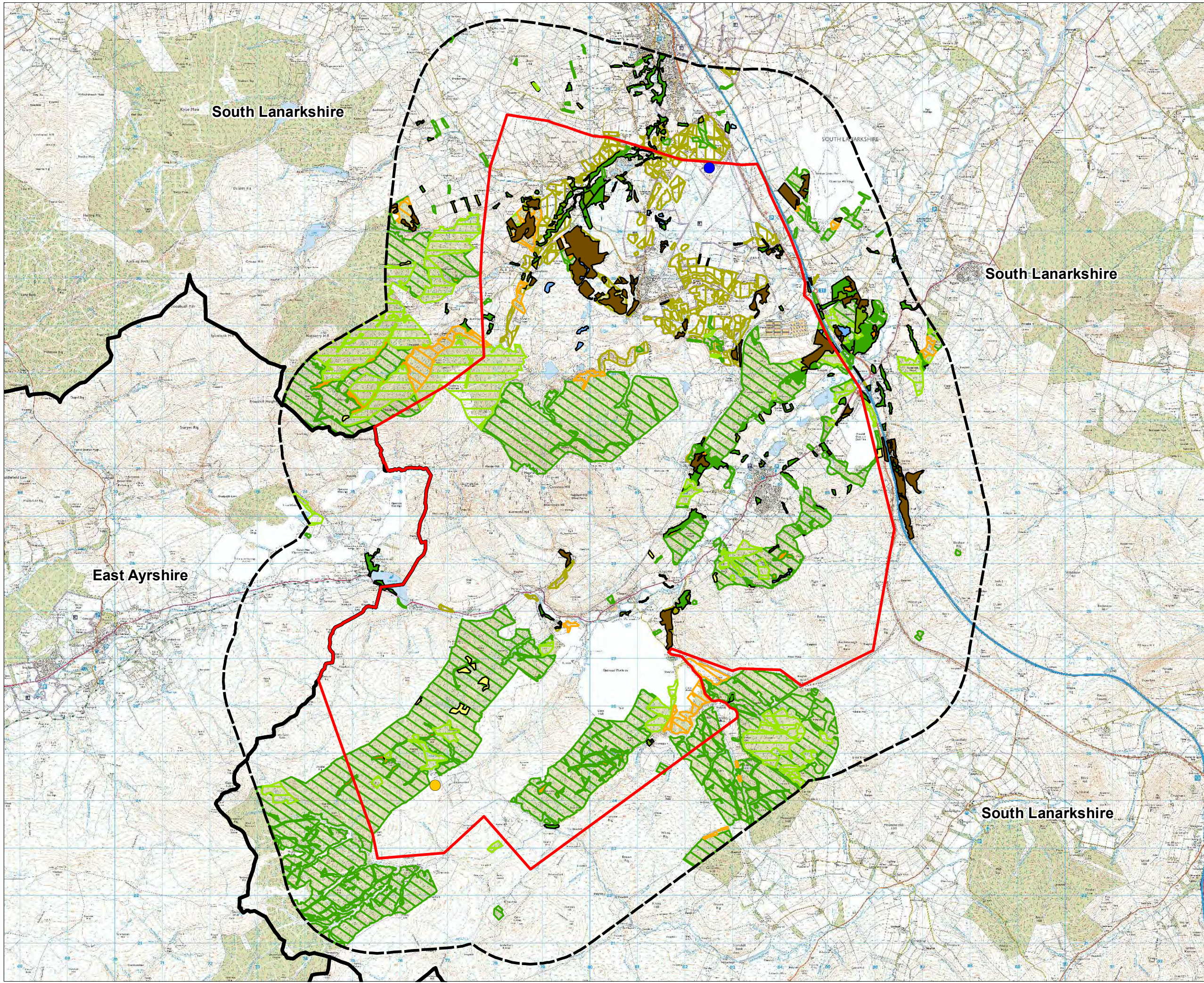
Kennoxhead Wind Farm Grid Connection



TITLE: Figure 3.8b - Ancient Woodland Inventory Scotland



REV 00



- Legend:**
- Kennoxhead Windfarm Point of Connection
 - Coalburn Collector Substation
 - Study Area
 - 2km Buffer
 - District Unitary Boundary
- National Forest Inventory Woodland**
- Assumed woodland
 - Broadleaved
 - Conifer
 - Felled
 - Grassland
 - Ground prep
 - Low density
 - Mixed mainly broadleaved
 - Mixed mainly conifer
 - Road
 - Shrub
 - Windblow
 - Young trees

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

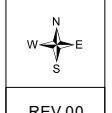
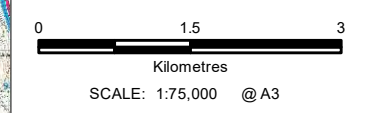


Rev	Date	Description	Drn	Chk	App
00	18/11/2019	First Draft	FC	JS	JS

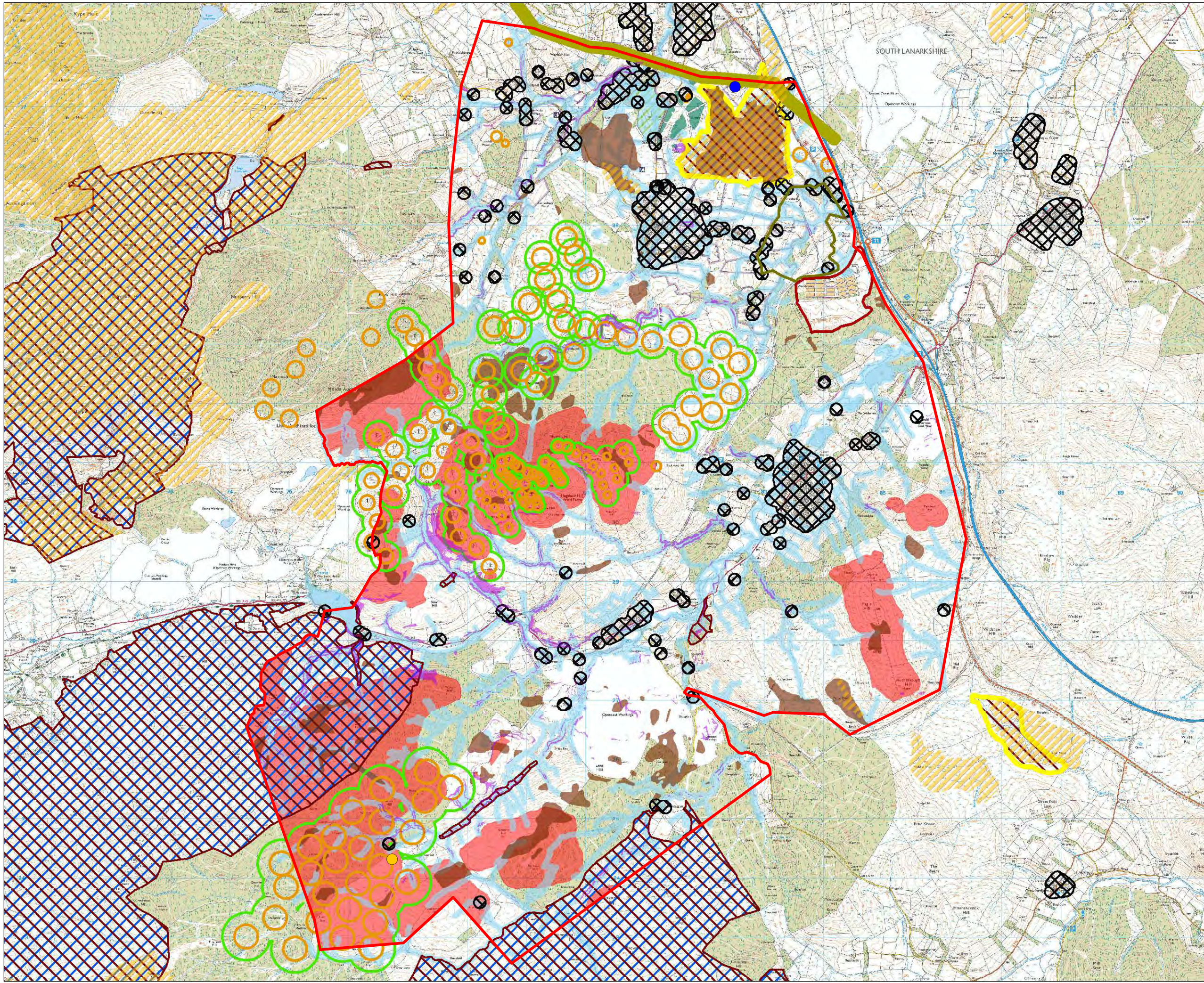
Kennoxhead Wind Farm Grid Connection



TITLE: Figure 3.8c -
Forestry Baseline Plan



REV 00



- Legend:**
- Kennoxhead Windfarm Point of Connection
 - Coalburn Collector Substation
 - Study Area
 - SAC
 - SSSI
 - SPA
 - Elevation > 350m
 - Slope Angles > 22 Degrees
 - 50m Surface Water Buffer
 - Residential Property and Settlement Boundary 100m Buffer
 - Hollandbush Golf Course
 - Areas Of Peat
 - Carbon and Peatland (SNH 2016) Class 1
 - National Forestry Woodland
 - 400kV OHL 50m Buffer
 - Wind Farm Tip Plus 10% Buffer
 - Wind Farm 3x Rotor Diameter Buffer
 - Areas With Moderate Mineral Extraction Potential
 - Distillery Warehouses

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

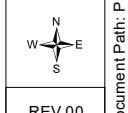
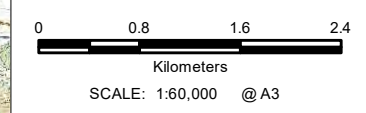


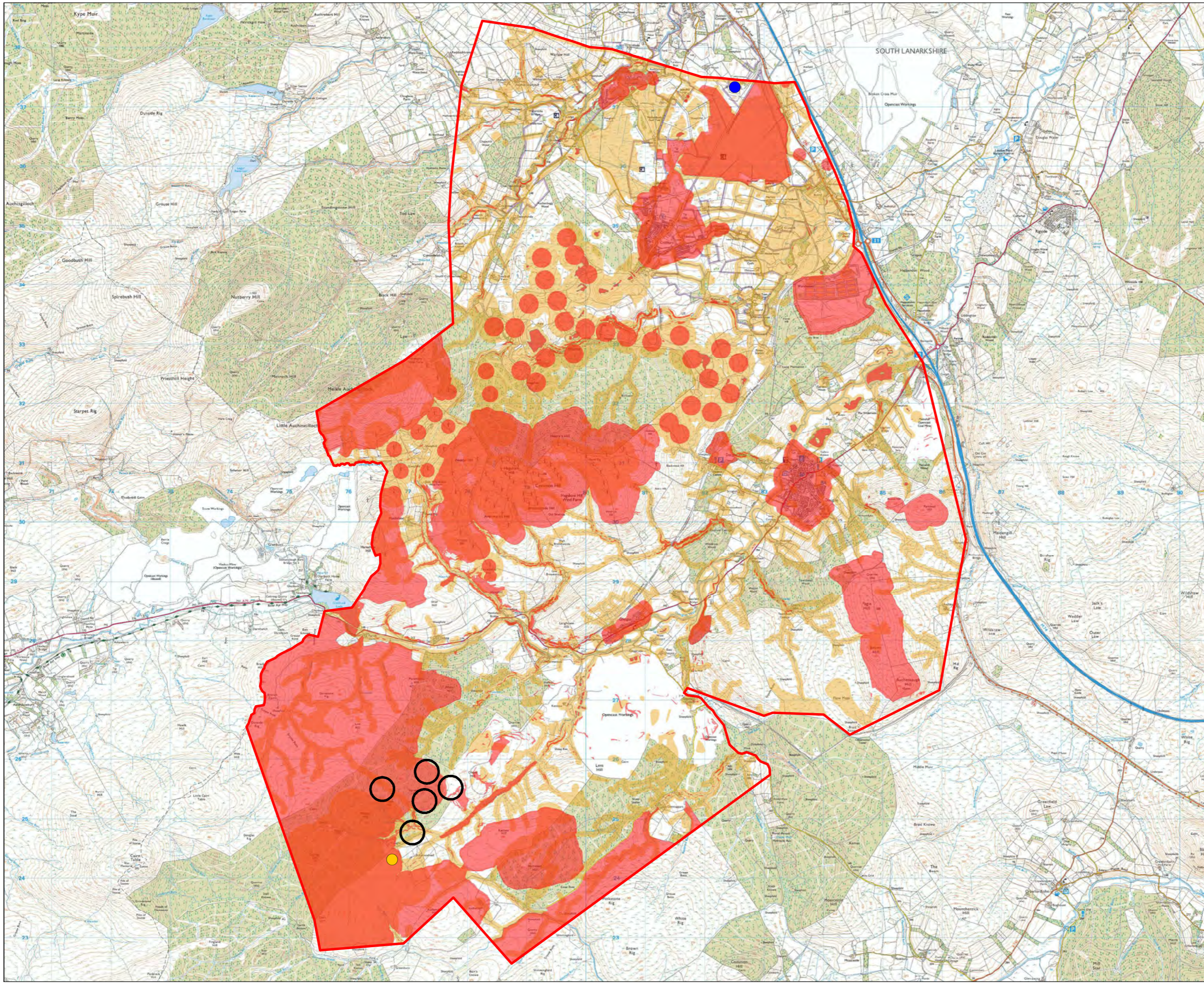
Rev	Date	Description	Drn	Chk	App
00	18/11/2019	First Draft	FC	RB	RB

Kennoxhead Wind Farm Grid Connection



TITLE: Figure 4.1 -
 Developed Route Options
 Combined Constraints





- Legend:**
- Kennoxhead Windfarm Point of Connection
 - Coalburn Collector Substation
 - Study Area
 - Hard Constraints
 - Kennoxhead 3x Rotor Diameter (198m) Turbine Buffer
 - Moderate Constraints

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

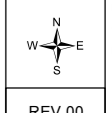
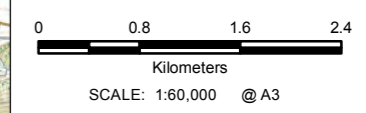


Rev	Date	Description	Drn	Chk	App
00	22/11/2019	First Draft	FC	RB	RB

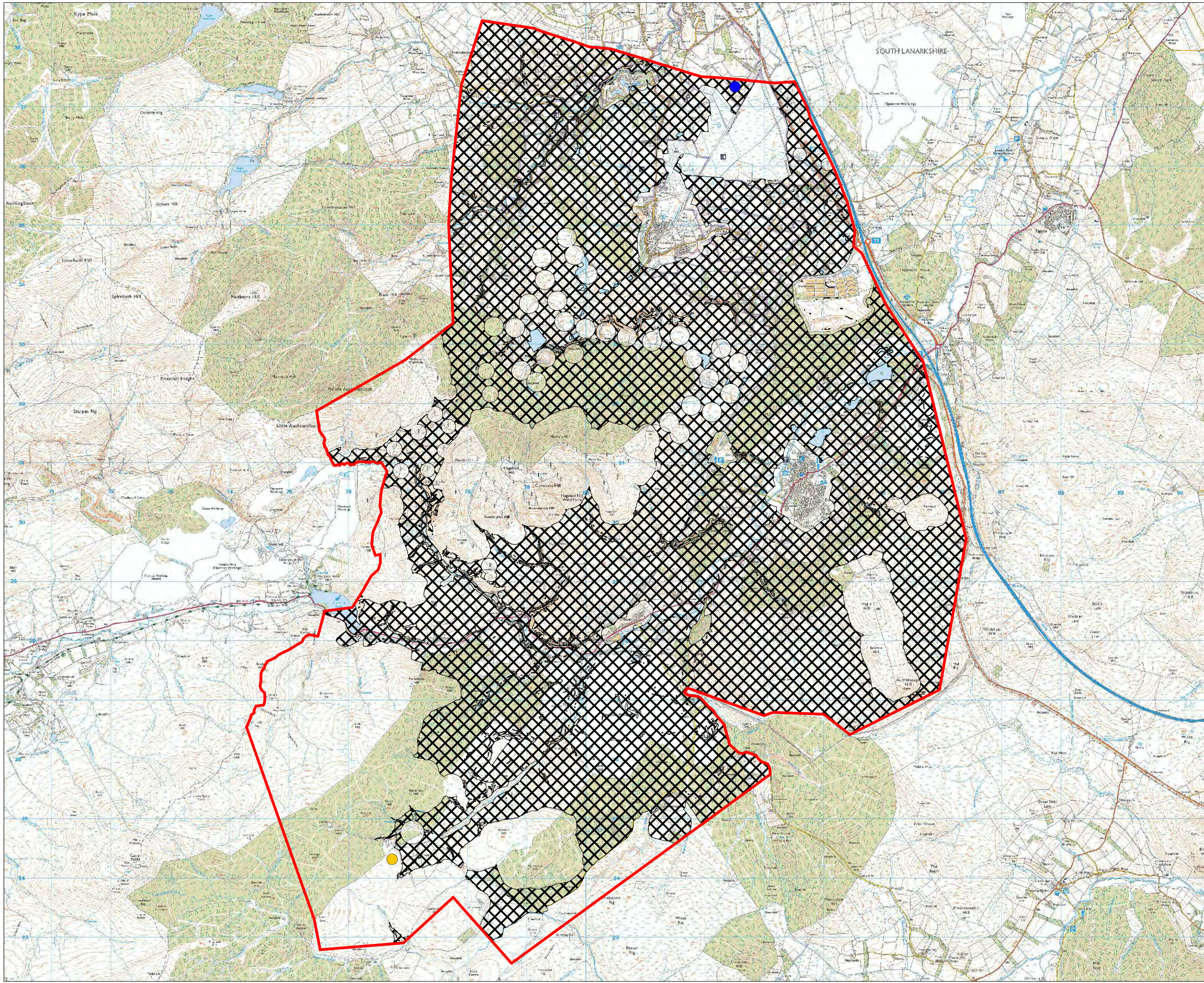
Kennoxhead Wind Farm Grid Connection



TITLE: Figure 4.2 - Developed Route Options Comparative Sensitivities

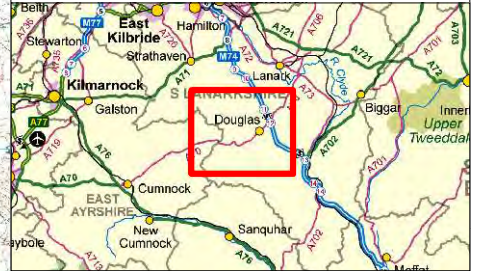


REV 00



- Legend:**
- Kennoxhead Windfarm Point of Connection
 - Coalburn Collector Substation
 - Study Area
 - Refined Study Area

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

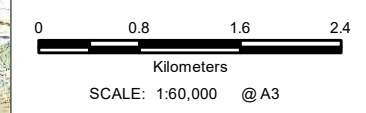


Rev	Date	Description	Drn	Chk	App
00	18/11/2019	First Draft	FC	RB	RB

Kennoxhead Wind Farm Grid Connection

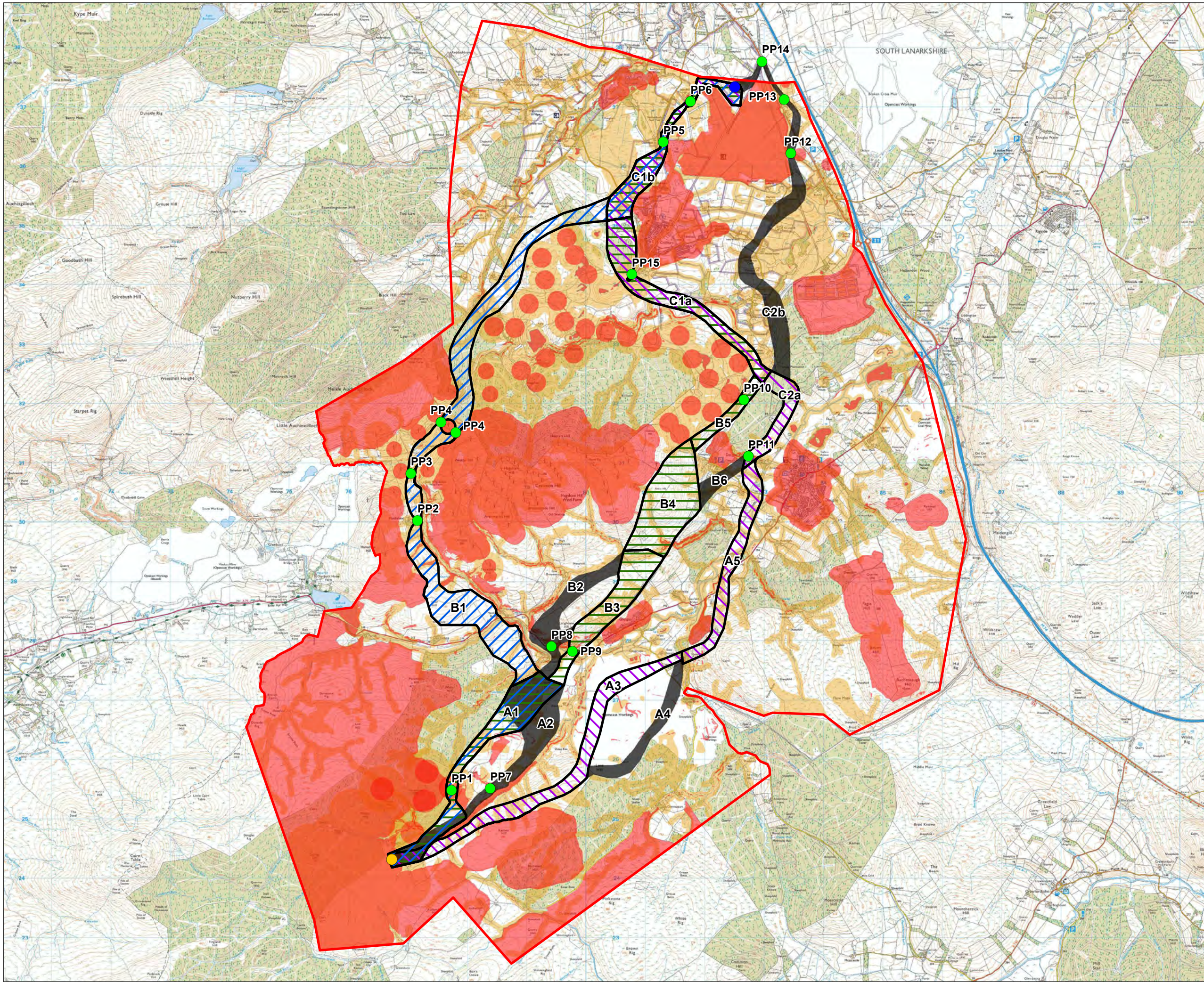


TITLE: **Figure 4.3 -
 Developed Route Options
 Refined Study Area**



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- Legend:**
- Kennoxhead Windfarm Point of Connection
 - Coalburn Collector Substation
 - Study Area
 - Hard Constraints
 - Moderate Constraints
 - Route Alignment 1
 - Route Alignment 2
 - Route Alignment 3
 - Section Option Ruled Out For Technical Reasons
 - Pinch Point

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

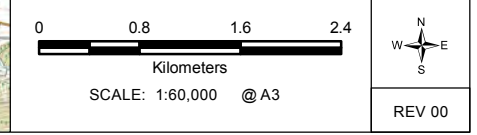


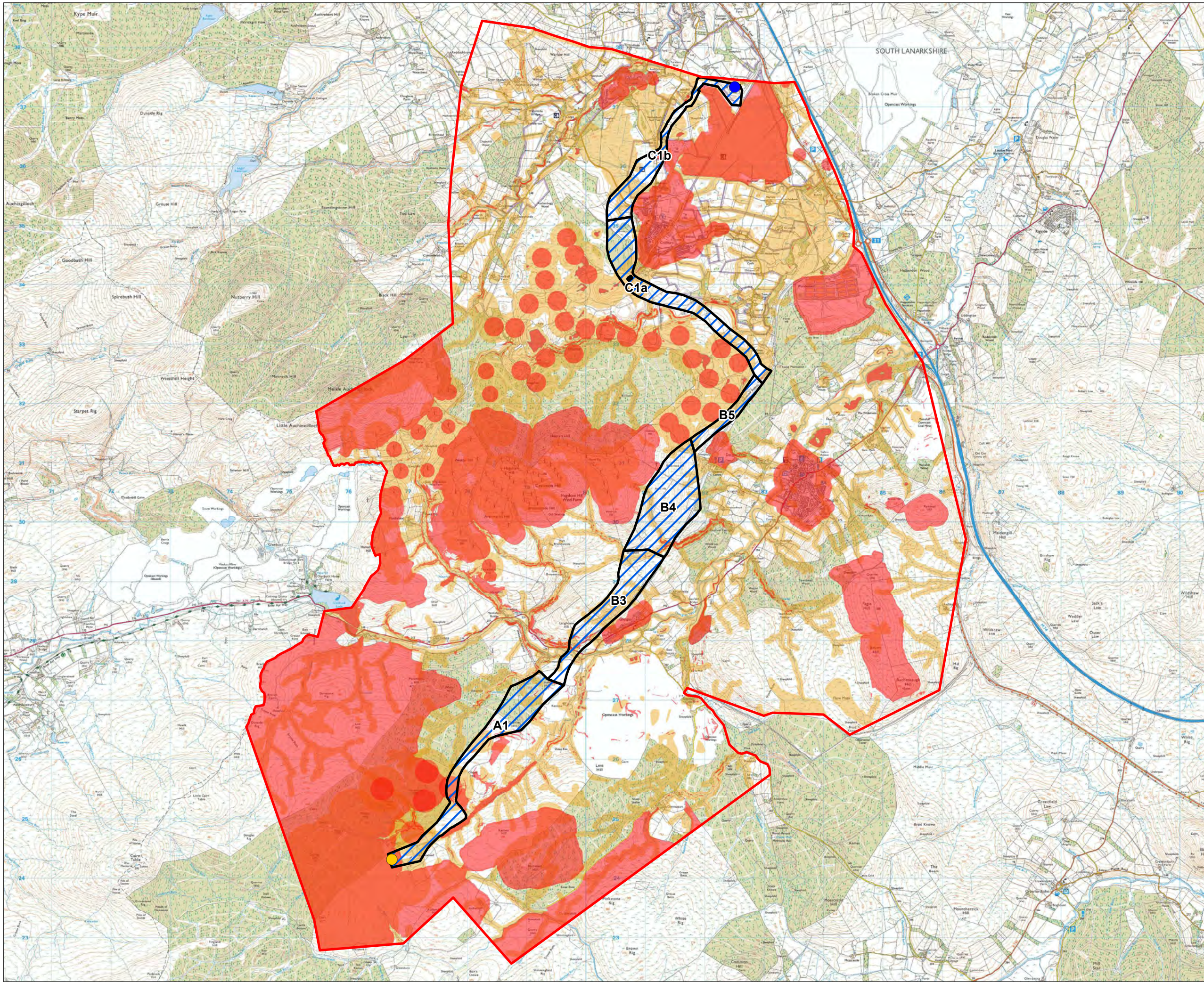
Rev	Date	Description	Drn	Chk	App
00	15/01/2020	Route Options	DL	RB	RB

Kennoxhead Wind Farm Grid Connection



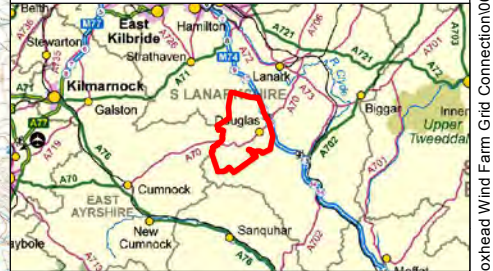
TITLE: Figure 4.4 -
 Developed Route Options
 Refined Study Area and Route Options





- Legend:**
- Kennoxhead Windfarm Point of Connection
 - Coalburn Collector Substation
 - Study Area
 - Hard Constraints
 - Moderate Constraints
 - Preferred Route Alignment

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

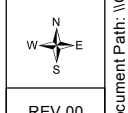
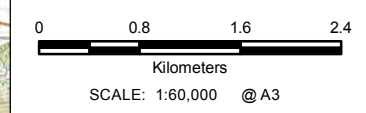


Rev	Date	Description	Drn	Chk	App
00	15/01/2020	Preferred Route	DL	RB	RB

Kennoxhead Wind Farm Grid Connection



TITLE: Figure 4.5 -
 Developed Route Options
 Preferred Route Options



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