

Legend

- Site Boundary
- Access Tracks (including earthworks)
- AC/DC Platform
- Laydown Areas
- SUDs Ponds
- Restoration Accesses
- Restoration Areas
- Borrow Areas
- Borrow Areas (not included in primary calculations)
- Borrow Accesses

Elevation (m)

0 - 10
10 - 20
20 - 30
30 - 40
40 - 50
50 - 60
60 - 70
70 - 80
80 - 90



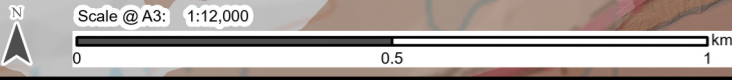
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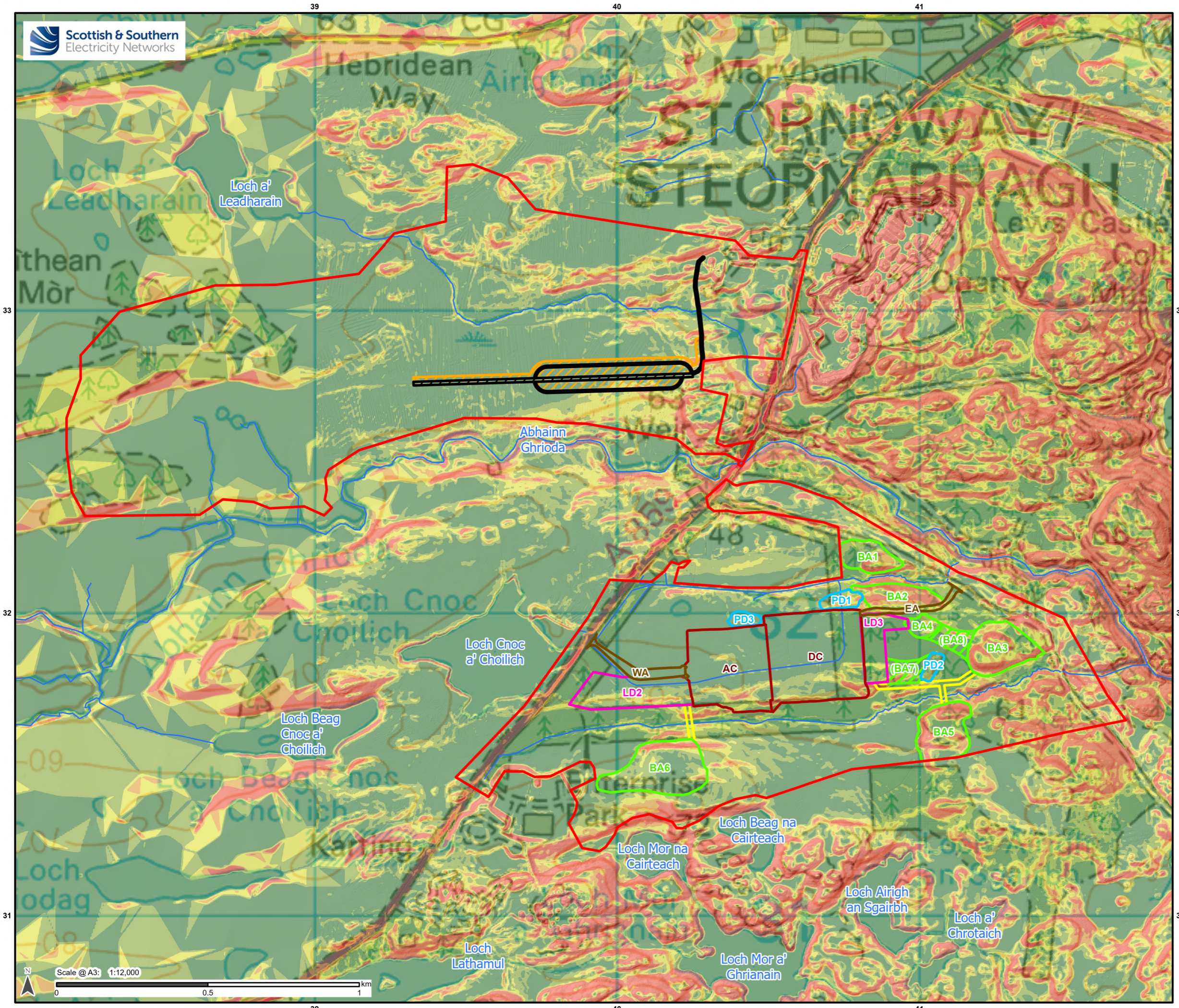
Project No: LT000014
Project: Lewis Converter and Substation Hub

Title:
Figure 10.3.1: Elevation

Drawn by: RH Date: 20/01/2025

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- Restoration Areas
- Borrow Areas
- Borrow Areas (not included in primary calculations)
- Borrow Accesses
- Watercourses

Slope (°)

- 0.0 - 3.0
- 3.0 - 5.0
- 5.0 - 7.5
- 7.5 - 10.0
- >10.0



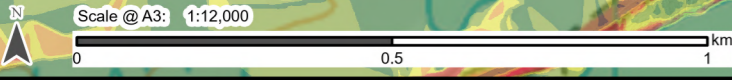
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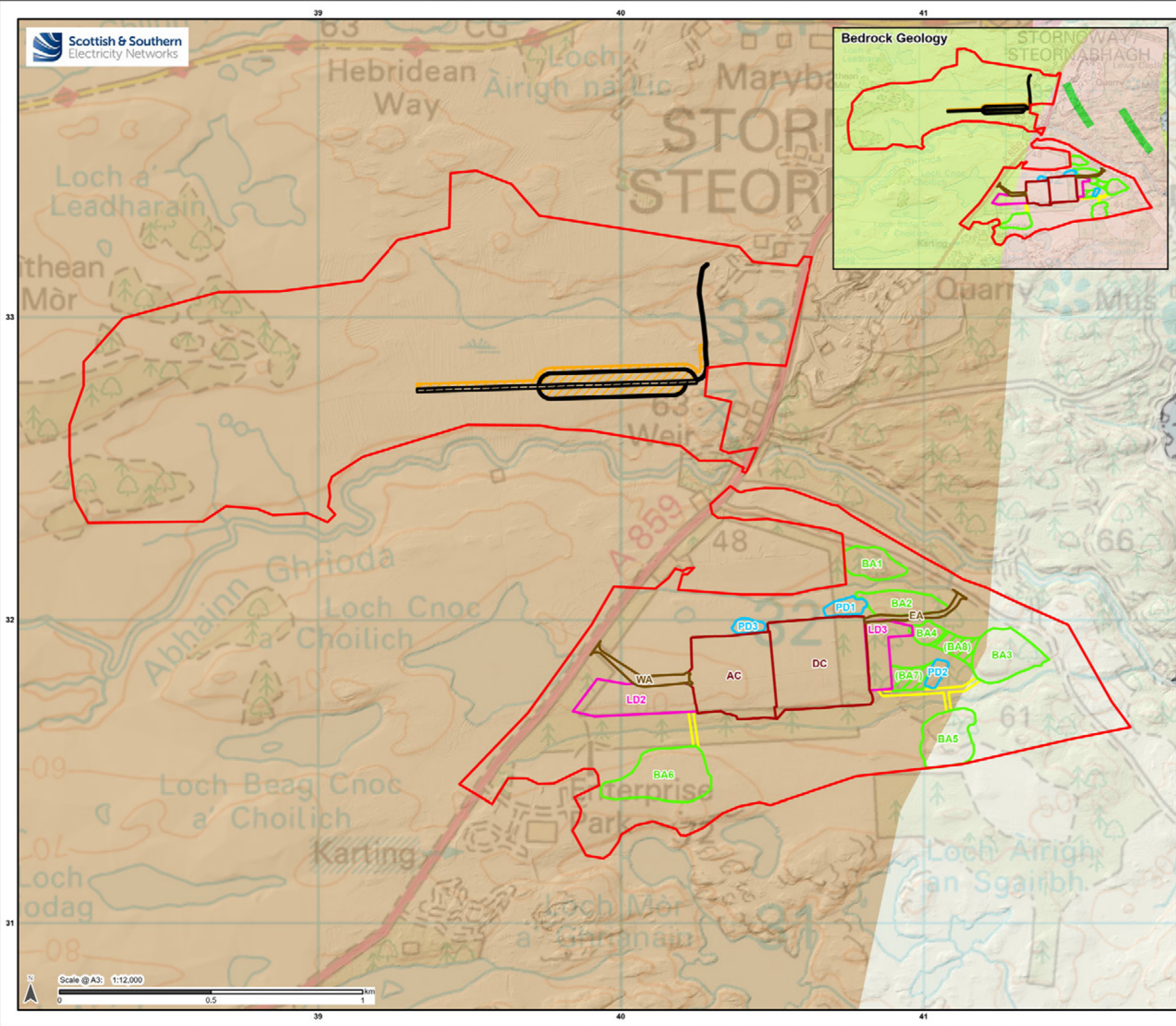
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Title:
Figure 10.3.2: Slope

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- ### Legend
- Site Boundary
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 - SUDs Ponds
 - Restoration Accesses
 - Restoration Areas
 - Borrow Areas
 - Borrow Areas (not included in primary calculations)
 - Borrow Accesses
- #### Superficial Geology (Main Panel)
- Peat
 - Unknown/Unclassified
- #### Bedrock Geology (Inset)
- Lewisian Complex - Amphibolite
 - Lewisian Complex - Gneiss
 - Outer Hebrides Thrust Zone Mylonites Complex - Protocataclasite
 - Stornoway Formation - Conglomerate



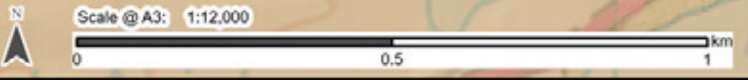
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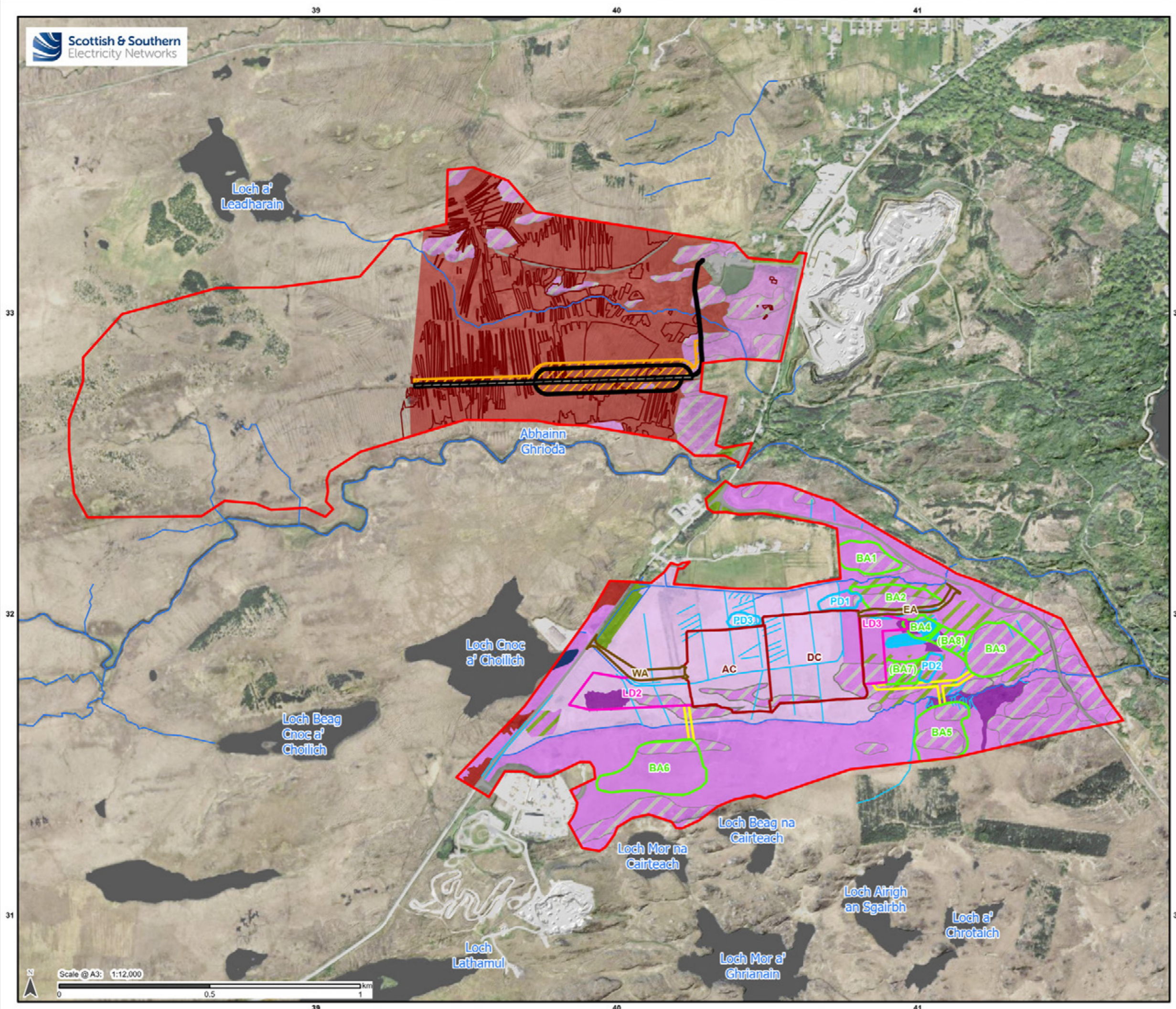
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Project: Lewis Converter and Substation Hub

Title:
Figure 10.3.3: Geology

Drawn by: RH Date: 20/01/2025

Drawing: OWC-042605-001-REP002-A-Fig-10.3.3





- ### Legend
- Site Boundary
 - Access Tracks (including earthworks)
 - AC/DC Platform
 - Laydown Areas
 - SUDs Ponds
 - Restoration Accesses
 - Restoration Areas
 - Borrow Areas
 - Borrow Areas (not included in primary calculations)
 - Borrow Accesses
- ### Geomorphology, Hydrology and Land Use
- Made ground
 - Planar peat (drained)
 - Thin peat over bedrock
 - Planar peat (ploughed)
 - Planar peat
 - Forestry
 - Patterned ground
 - Cuttings
 - Water body
 - Watercourses
 - Drains

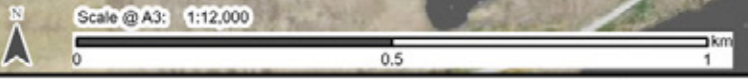


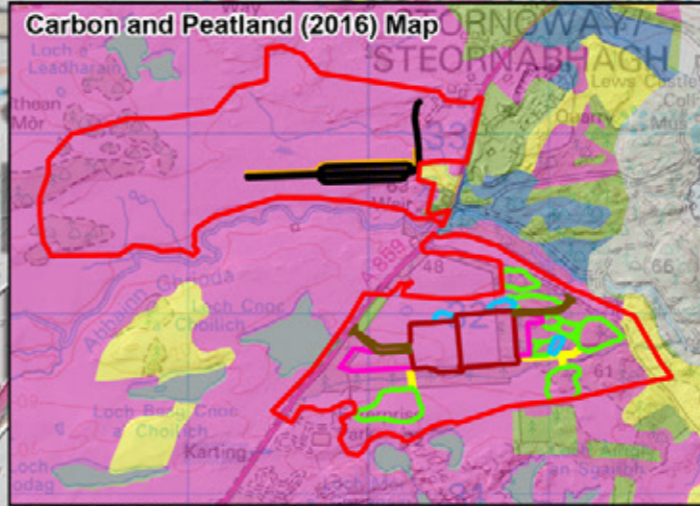
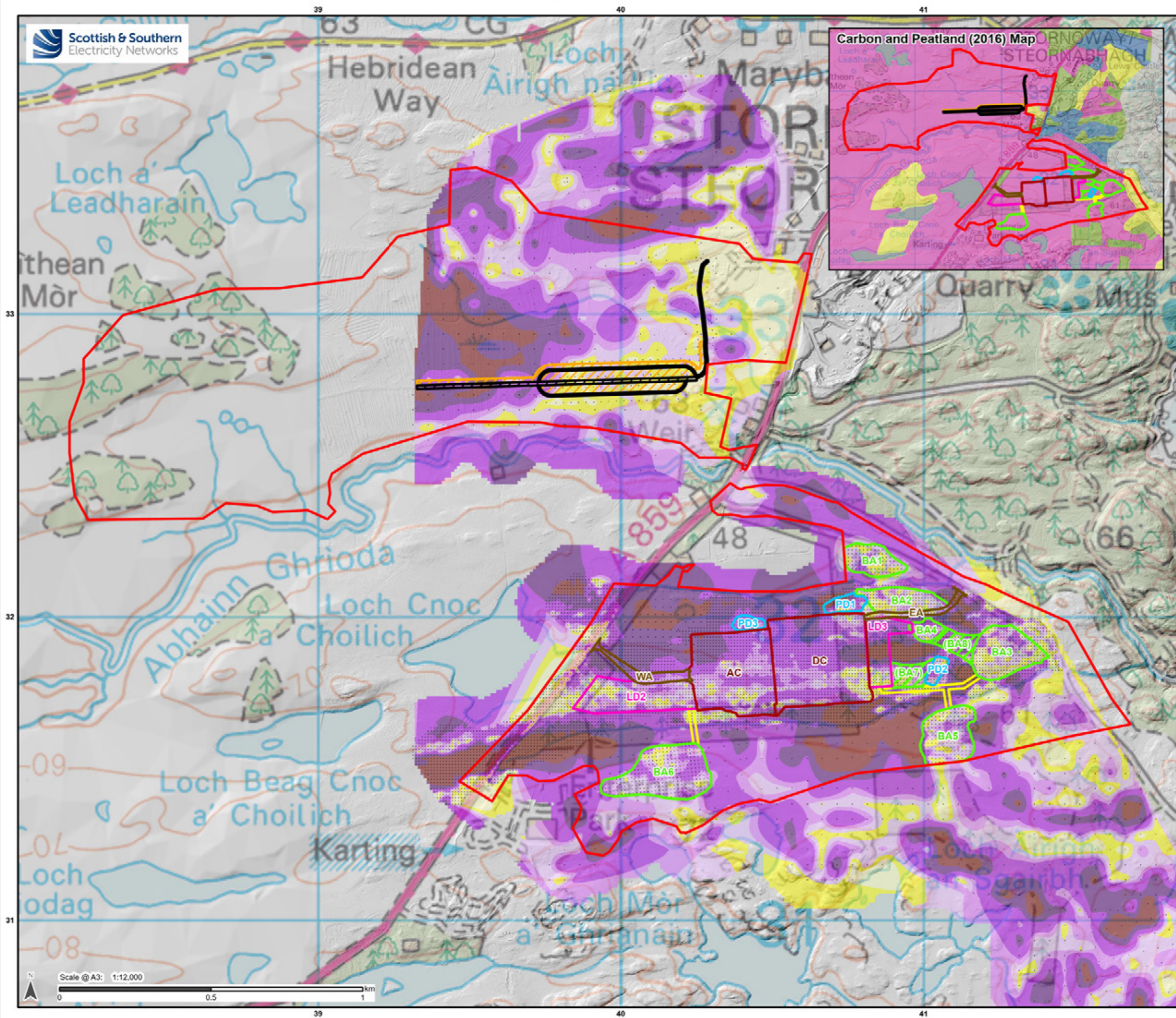
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Project: Lewis Converter and Substation Hub

Title:
Figure 10.3.4: Geomorphology, Hydrology and Land Use

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Legend

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- Restoration Areas
- Borrow Areas
- Borrow Areas (not included in primary calculations)
- Borrow Accesses
- Probe location

Peat Depth (cm)

- 0 - 30 (organic soil)
- 30 - 50 (organic soil)
- 50 - 75
- 75 - 100
- 100 - 200
- 200 - 300
- 300 - 400

Carbon and Peatland (2016) Map

- Class 1
- Class 2
- Class 3
- Class 5
- Mineral Soil
- Non Soil



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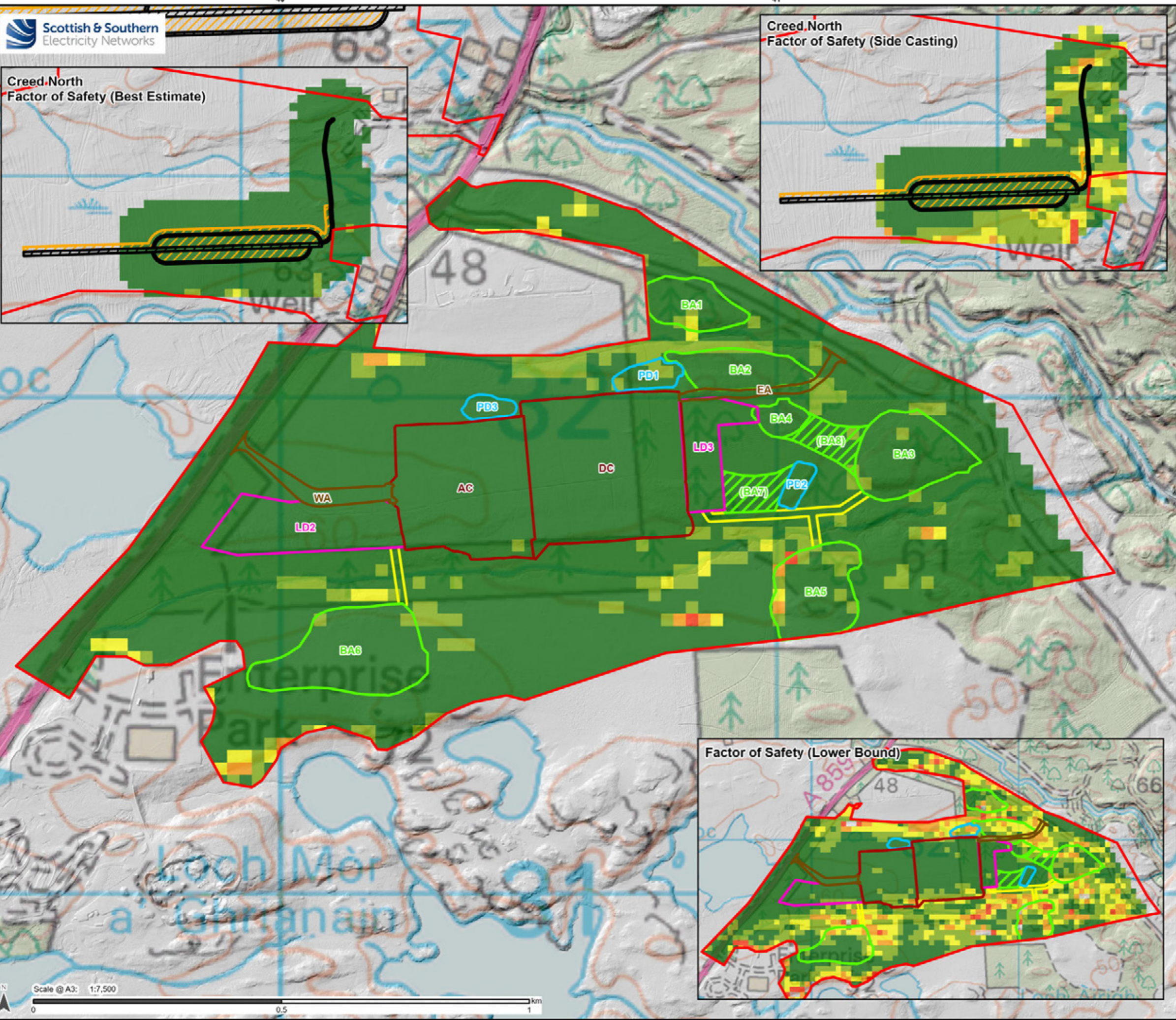
Title: Figure 10.3.5: Peat Depth

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Drawing: OWC-042605-001-REP002-A-Fig-10.3.5

Creed North
Factor of Safety (Best Estimate)

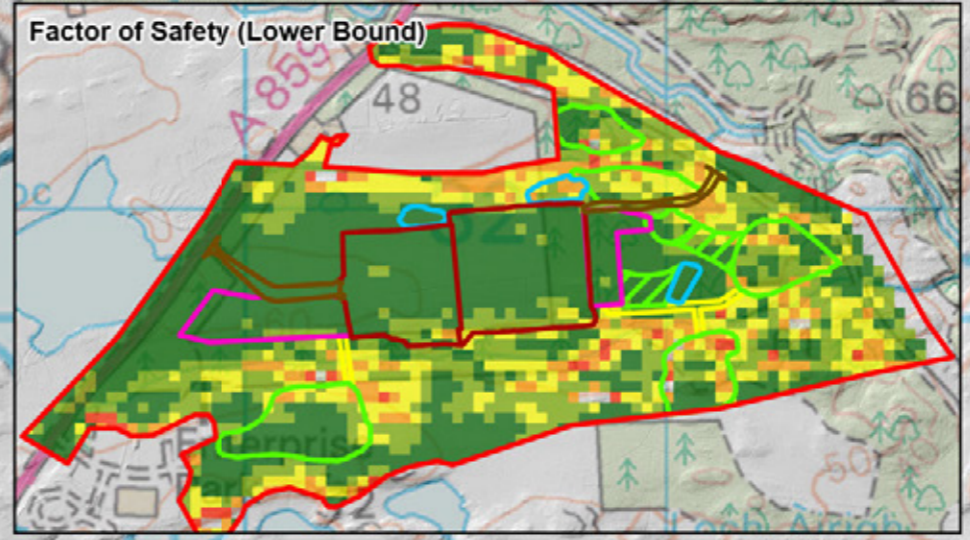
Creed North
Factor of Safety (Side Casting)



Legend

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 - Restoration Accesses
 - Restoration Areas
 - Borrow Areas
 - Borrow Areas (not included in primary calculations)
 - Borrow Accesses
- Factor of Safety (Best Estimate)**
- <1.0 (Unstable)
 - 1.0 - 1.4 (Marginally stable)
 - 1.4 - 2.0 (Stable)
 - 2.0 - 3.0 (Stable)
 - >3.0 (Stable)

Factor of Safety (Lower Bound)



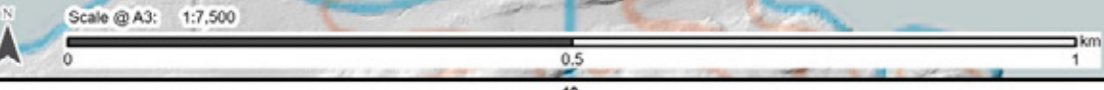
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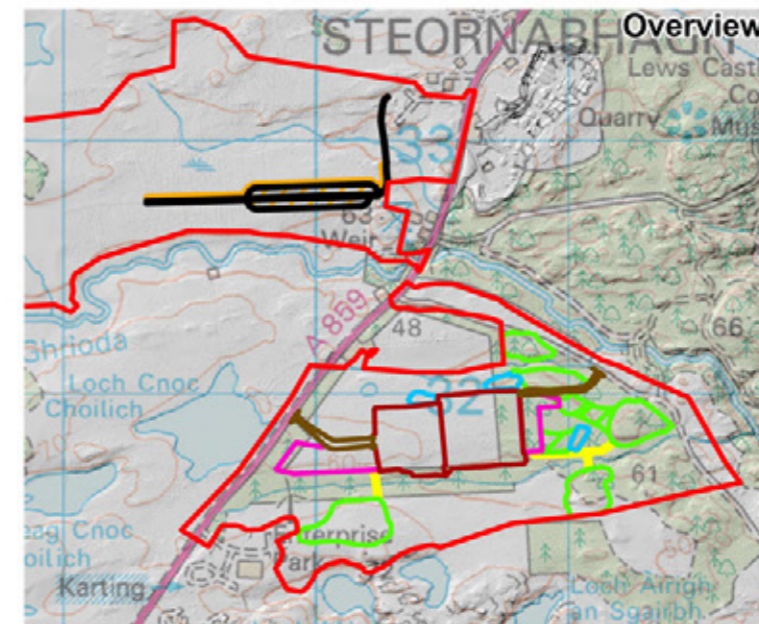
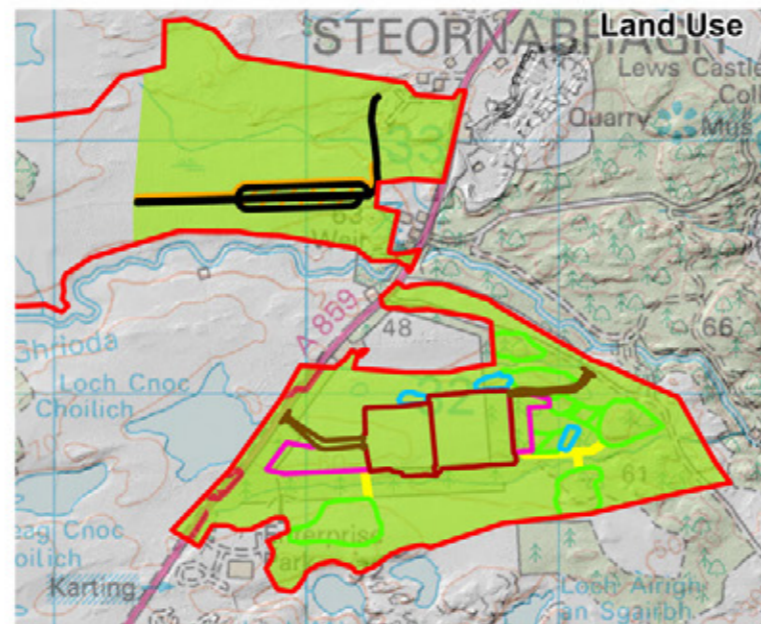
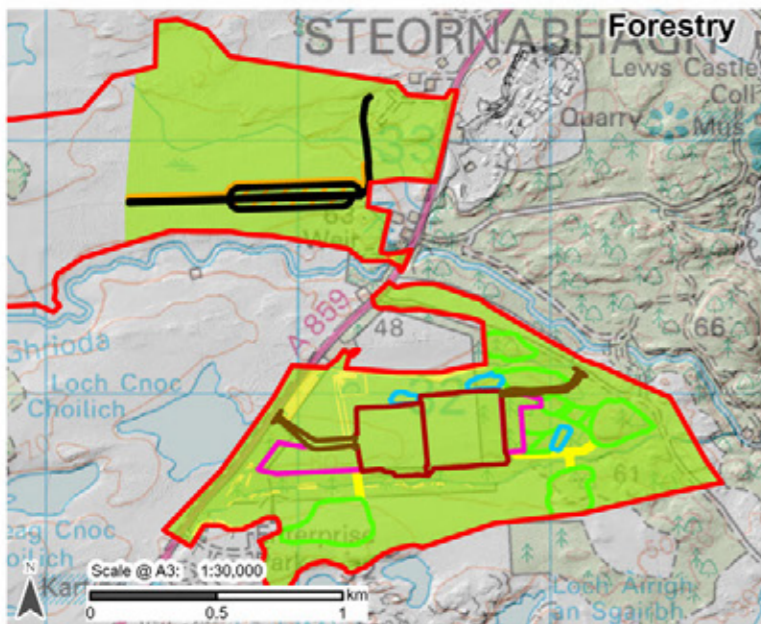
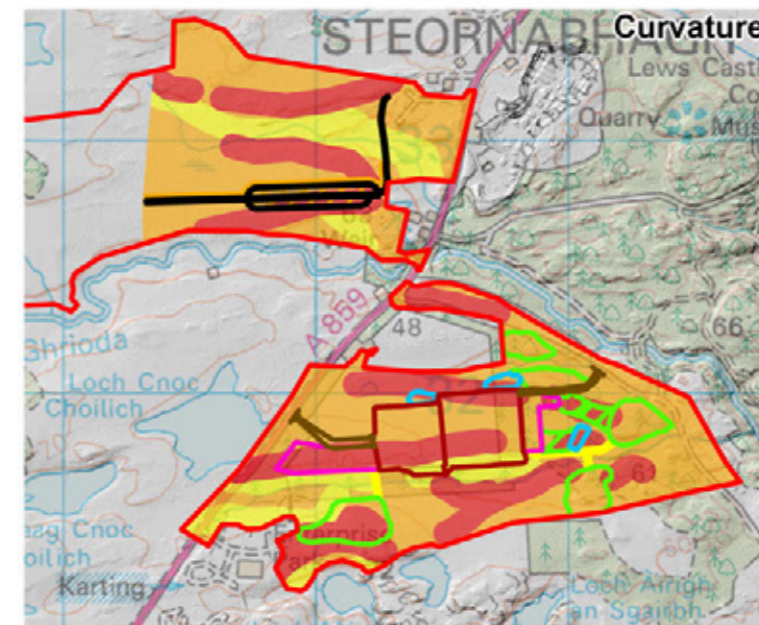
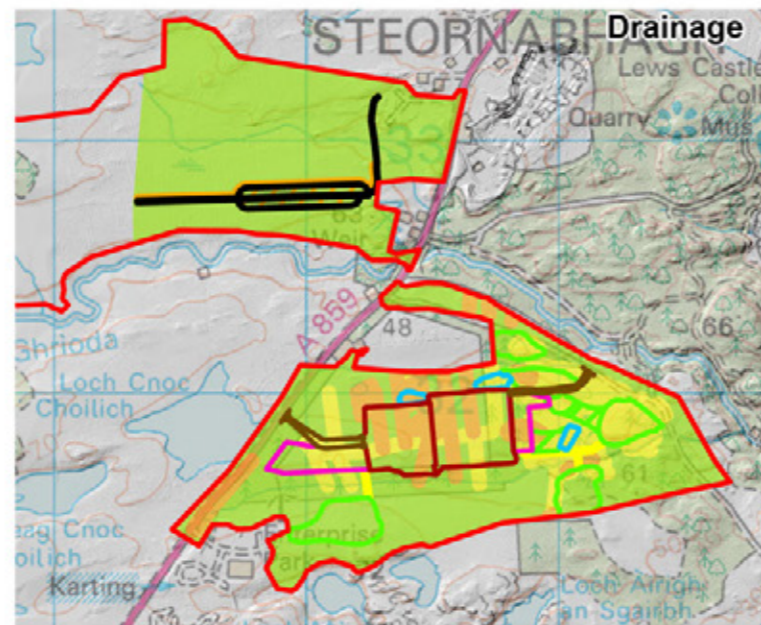
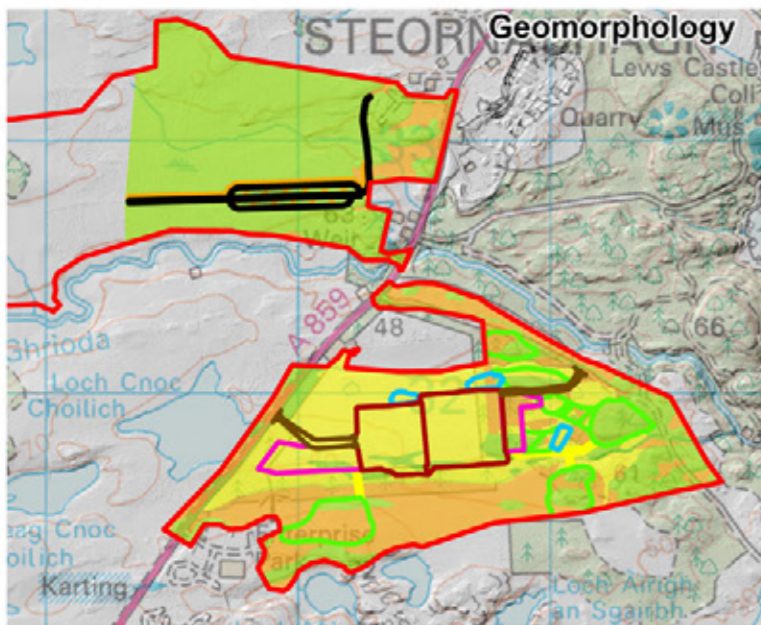
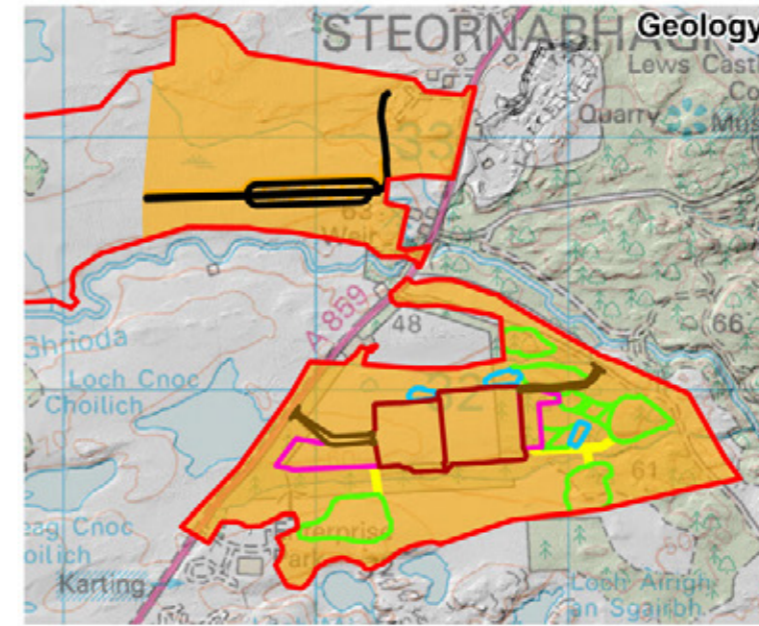
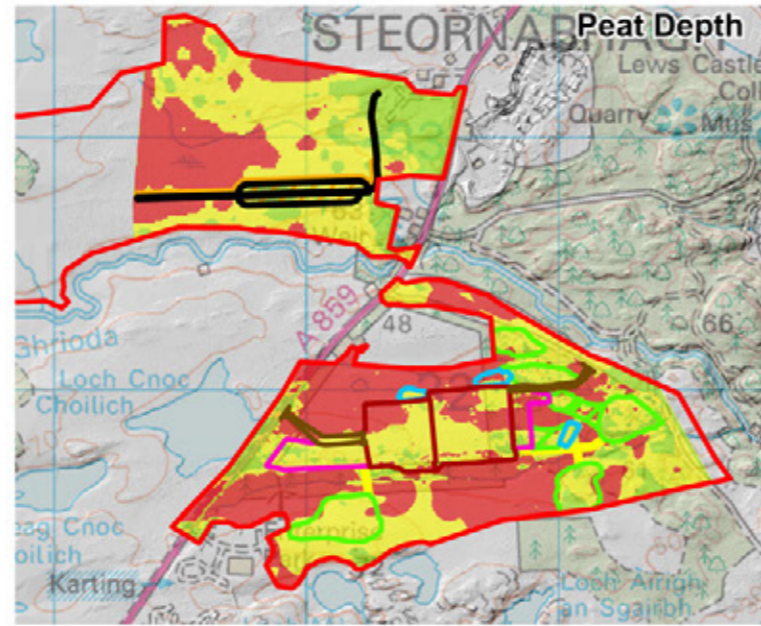
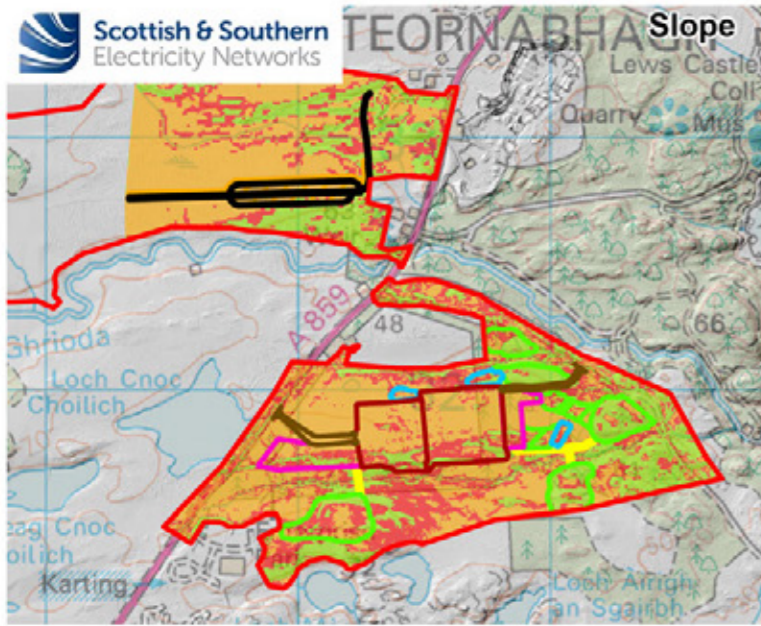
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Title:
Figure 10.3.6: Factor of Safety

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Drawing: OWC-042605-001-REP002-A-Fig-10.3.6





Legend

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- Borrow Areas (not included in primary calculations)
- Borrow Accesses

Contributory Factor Score

- 0
- 1
- 2
- 3



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Title:
Figure 10.3.7: Contributory Factors (Bog Burst)

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Drawing: OWC-042605-001-REP002-A-Fig-10.3.7

Bog Burst Likelihood

Creed North - Peat Slide Likelihood

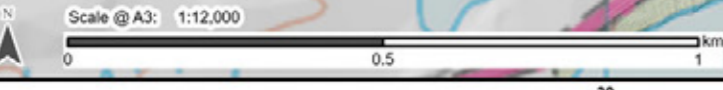
Arnish Moor - Peat Slide Likelihood

Legend

- Site Boundary
- Access Tracks (including earthworks)
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- Laydown Areas
- SUDs Ponds
- Restoration Accesses
- Restoration Areas
- Borrow Areas
- Borrow Areas (not included in primary calculations)
- Borrow Accesses

Likelihood

- Very Low
- Low
- Moderate
- High (none calculated)
- Very High (none calculated)

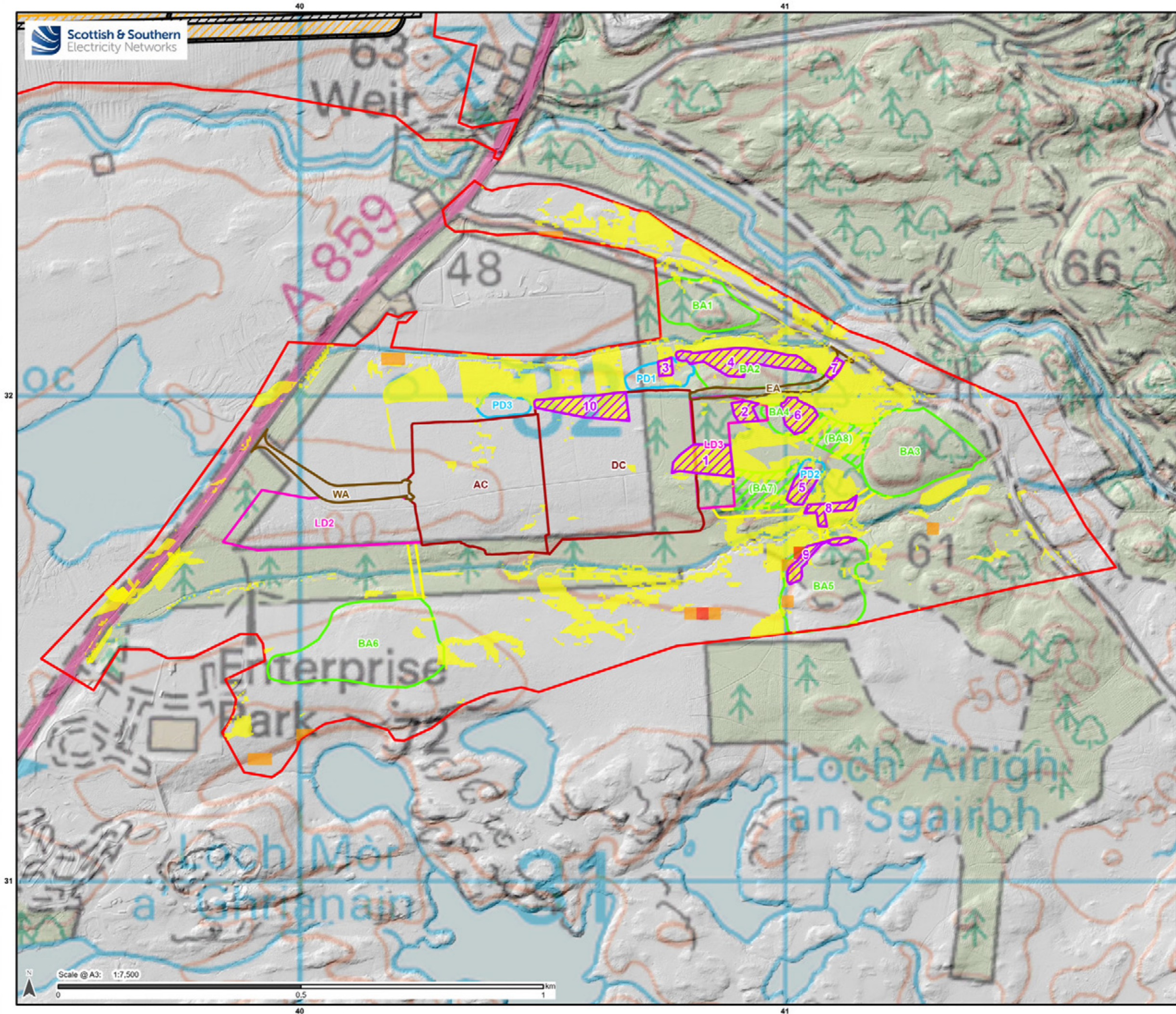


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Title: Figure 10.3.8: Likelihood

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Legend

- Site Boundary
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- Laydown Areas
- SUDs Ponds
- Restoration Accesses
- Restoration Areas
- Borrow Areas
- Borrow Areas (not included in primary calculations)
- Borrow Accesses
- Source Zones

Factor of Safety (Best Estimate)

- < 1.0 (Unstable)
- 1.0 - 1.4 (Marginally stable)

Likelihood

- Moderate



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Title:
Figure 10.3.9: Combined Landslide Likelihood

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