

Appendix A – Figures

Figure 10.3.1 - Elevation

Figure 10.3.2- Slope

Figure 10.3.3 – Bedrock Geology

Figure 10.3.4a – Superficial Geology

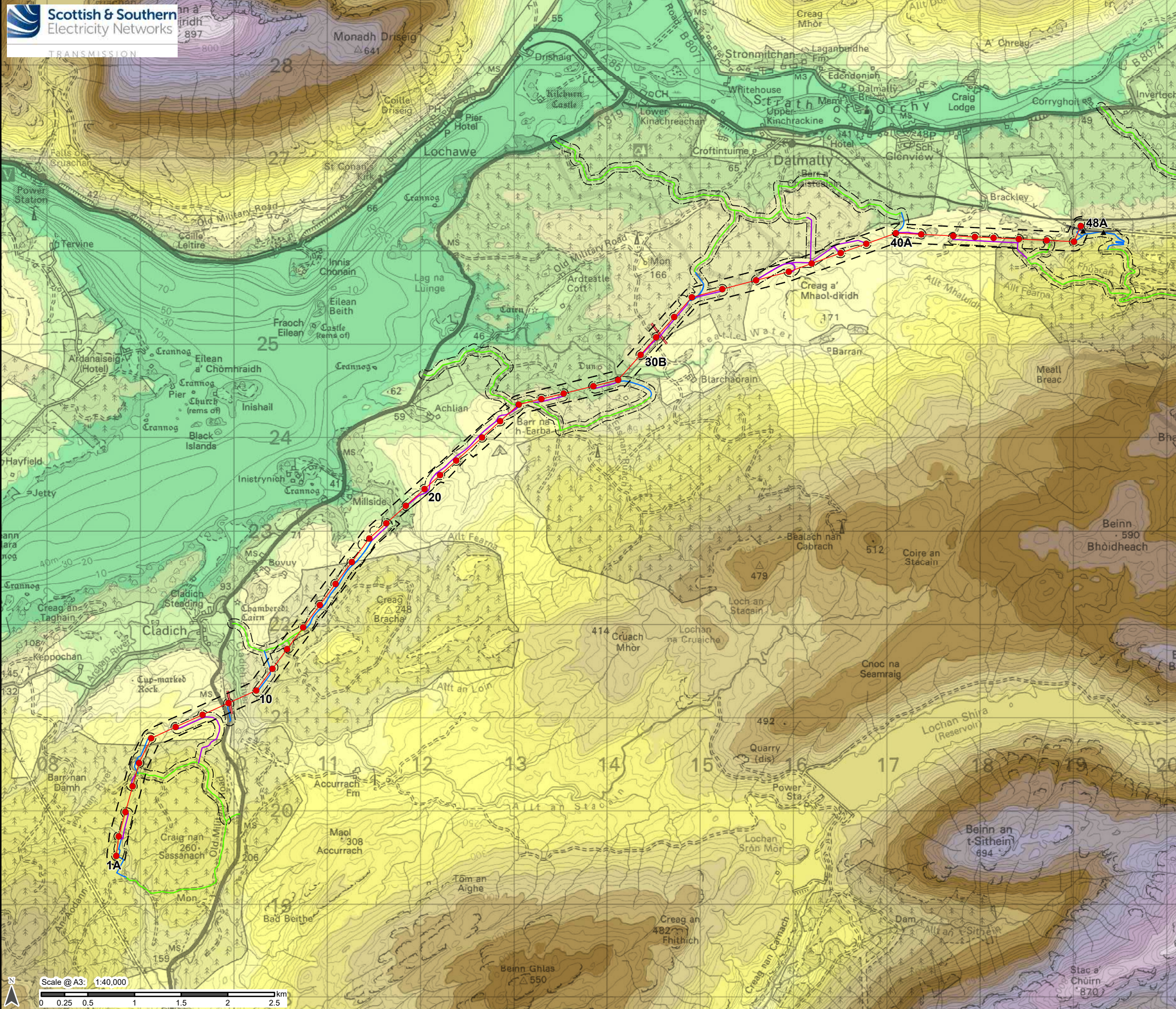
Figure 10.3.4b – Geomorphology

Figure 10.3.5 - Peat depth

Figure 10.3.6 – Factor of Safety

Figure 10.3.7a-h - Contribution factors

Figure 10.3.8 - Peat Slide likelihood

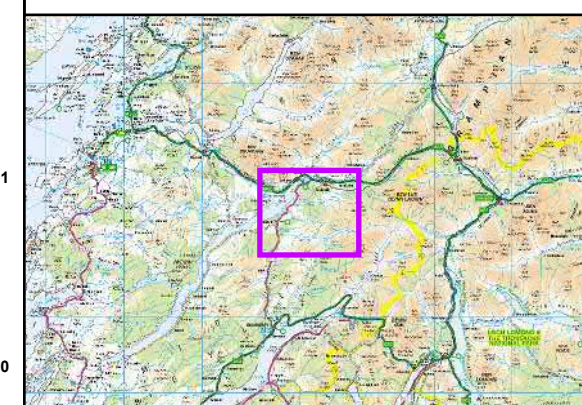


Legend

- Proposed OHL Towers
- Indicative Proposed Alignment
- Indicative extent of undergrounding of existing LV where it is crossed by the Indicative Proposed Alignment
- Access Tracks - Existing Upgrade
- Access Tracks - New Stone Permanent
- Access Tracks - New Stone Temporary
- OHL Limit of Deviation (LOD 100 m from centre line of proposed alignment)
- Access Track Limit of Deviation (LOD 50 m from centre line of proposed access track)
- SPEN Temporary Diversion Towers
- SPEN Temporary Diversion OHL

Elevation (m)

-1.7 - 0	450.1 - 500
0.1 - 50	500.1 - 550
50.1 - 100	550.1 - 600
100.1 - 150	600.1 - 650
150.1 - 200	650.1 - 700
200.1 - 250	700.1 - 750
250.1 - 300	750.1 - 800
300.1 - 350	800.1 - 850
350.1 - 400	850.1 - 900
400.1 - 450	900.1 - 950



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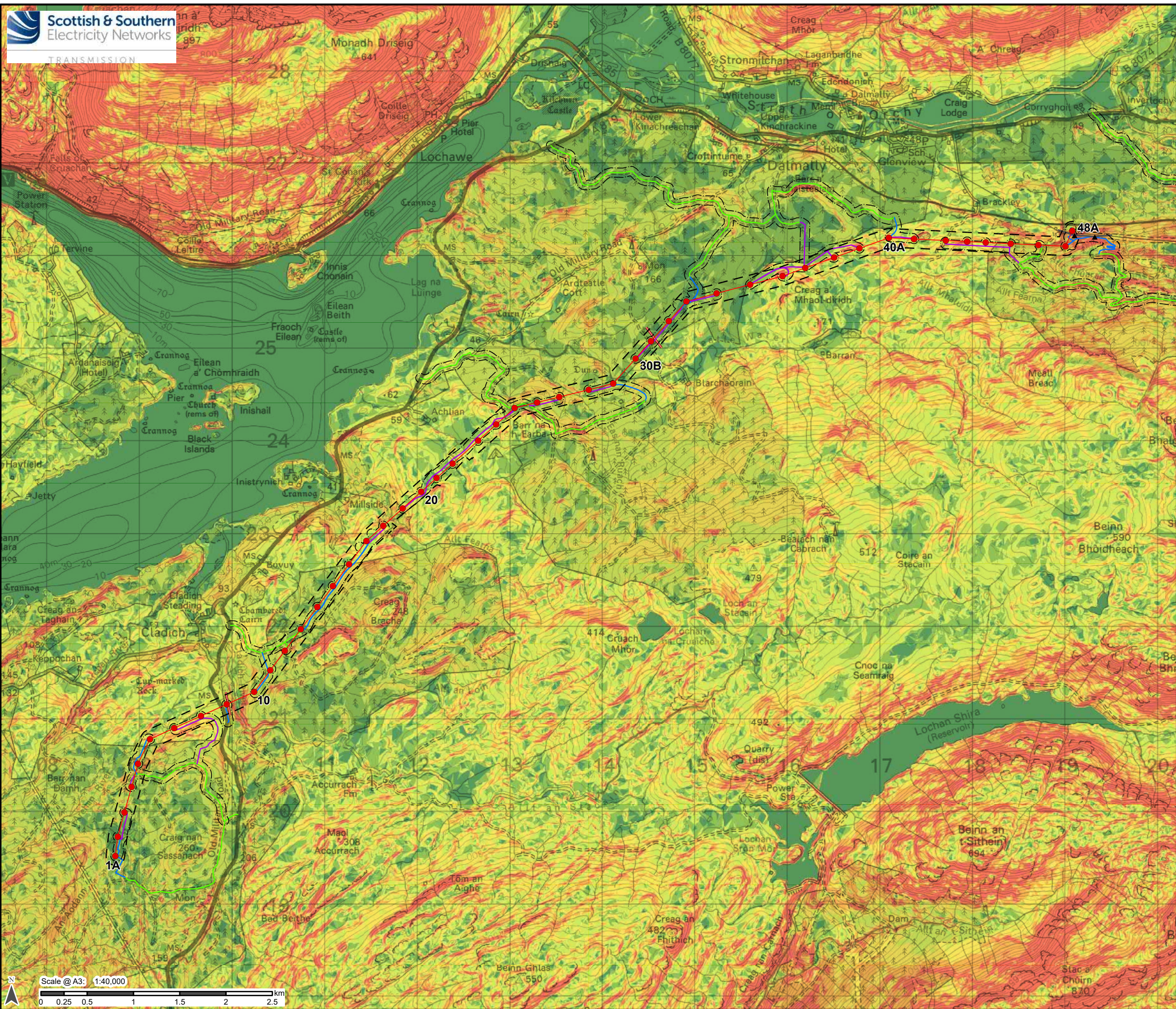
Title:
Creag Dhubh to Dalmally 275kV Connection

Figure 10.3.1: LT29 Peat Landslide Hazard and Risk
Assessment: Elevation

Drawn by: AB

Date: 04/05/2022

Drawing: R170_3673_Fig10.3.1_OHL_Elevation_D

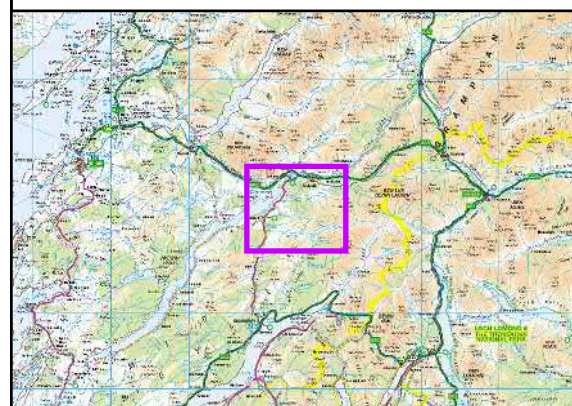


Legend

- Proposed OHL Towers
- Indicative Proposed Alignment
- Indicative extent of undergrounding of existing LV where it is crossed by the Indicative Proposed Alignment
- Access Tracks - Existing Upgrade
- Access Tracks - New Stone Permanent
- Access Tracks - New Stone Temporary
- OHL Limit of Deviation (LOD 100 m from centre line of proposed alignment)
- Access Track Limit of Deviation (LOD 50 m from centre line of proposed access track)
- SPEN Temporary Diversion Towers
- SPEN Temporary Diversion OHL

Slope angle (degrees)

- 0.1 - 2
- 2.1 - 5
- 5.1 - 10
- 10.1 - 15
- 15.1 - 20
- >20



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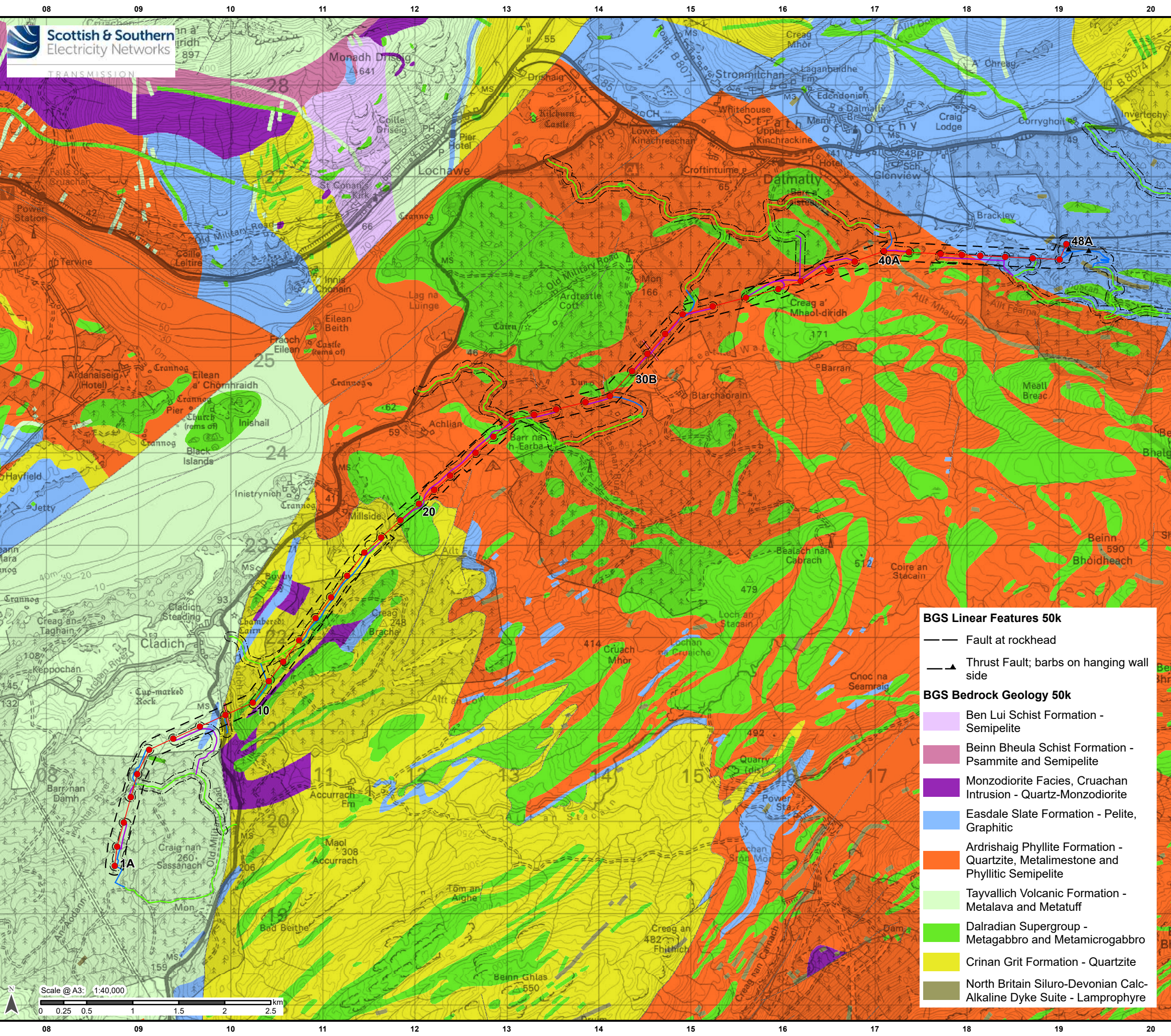
Title:
Creag Dhubh to Dalmally 275kV Connection

Figure 10.3.2: LT29 Peat Landslide Hazard and Risk
Assessment: Slope Angle

Drawn by: AB

Date: 04/05/2022

Drawing: R170_3673_Fig10.3.2_OHL_Slope_D



Legend

- Proposed OHL Towers
- Indicative Proposed Alignment
- Indicative extent of undergrounding of existing LV where it is crossed by the Indicative Proposed Alignment
- Access Tracks - Existing Upgrade
- Access Tracks - New Stone Permanent
- Access Tracks - New Stone Temporary
- OHL Limit of Deviation (LOD 100 m from centre line of proposed alignment)
- Access Track Limit of Deviation (LOD 50 m from centre line of proposed access track)
- SPEN Temporary Diversion Towers
- SPEN Temporary Diversion OHL

BGS Linear Features 50k

- Fault at rockhead
- Thrust Fault; barbs on hanging wall side

BGS Bedrock Geology 50k

- Ben Lui Schist Formation - Semipelite
- Beinn Bheula Schist Formation - Psammite and Semipelite
- Monzodiorite Facies, Cruachan Intrusion - Quartz-Monzodiorite
- Easdale Slate Formation - Pelite, Graphitic
- Ardrishaig Phyllite Formation - Quartzite, Metalimestone and Phyllitic Semipelite
- Tayvallich Volcanic Formation - Metalava and Metatuff
- Dalradian Supergroup - Metagabbro and Metamicrogabbro
- Crinan Grit Formation - Quartzite
- North Britain Siluro-Devonian Calc-Alkaline Dyke Suite - Lamprophyre

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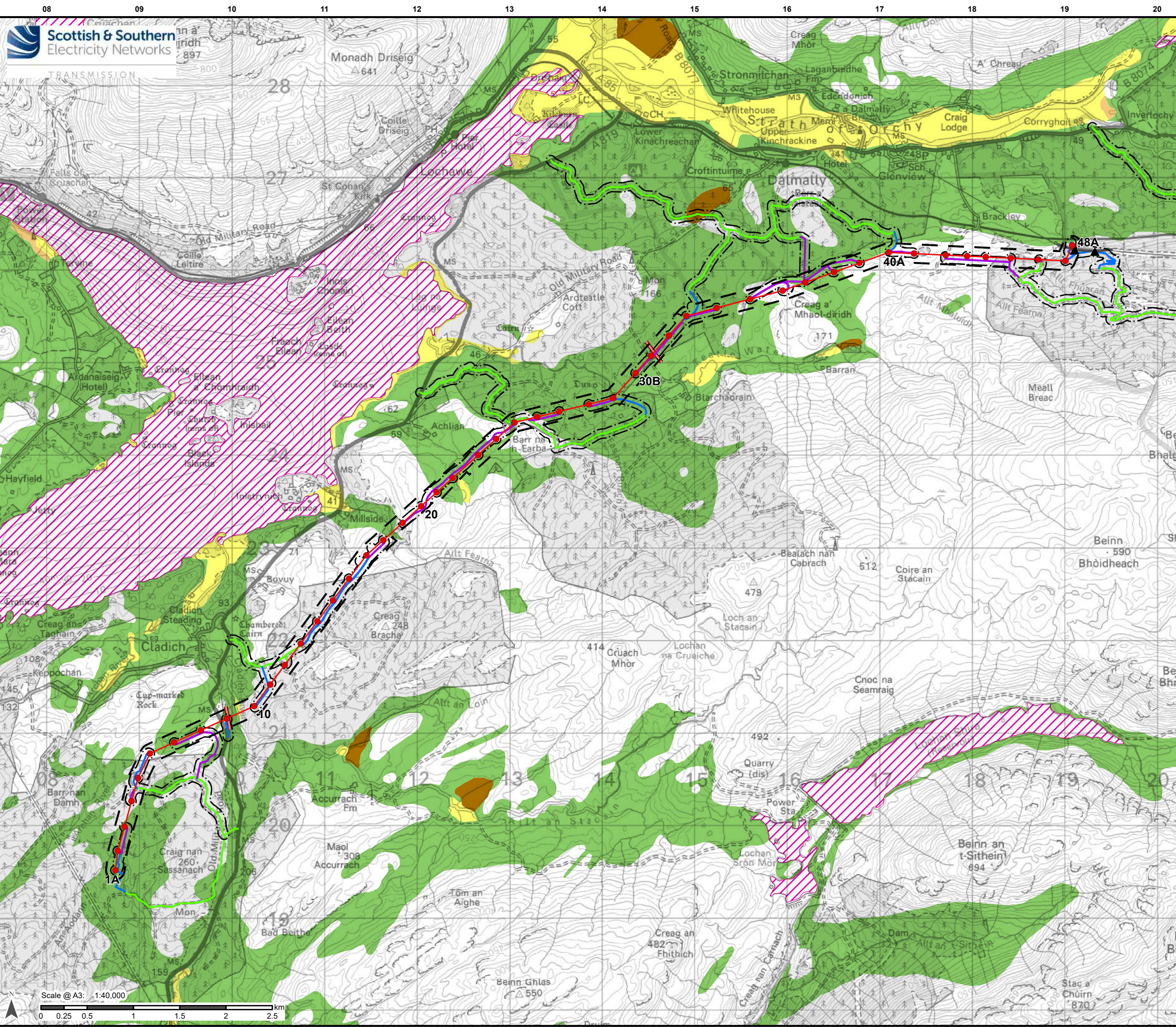
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Figure 10.3.3a: LT29 Peat Landslide Hazard and Risk Assessment: Bedrock Geology

Drawn by: AB Date: 04/05/2022

Drawing: R170_3673_Fig10.3.3a_OHL_BedrockGeology_D



Legend

- Proposed OHL Towers
- Indicative Proposed Alignment
- Indicative extent of undergrounding of existing LV where it is crossed by the Indicative Proposed Alignment
- Access Tracks - Existing Upgrade
- Access Tracks - New Stone Permanent
- Access Tracks - New Stone Temporary
- OHL Limit of Deviation (LOD 100 m from centre line of proposed alignment)
- Access Track Limit of Deviation (LOD 50 m from centre line of proposed access track)
- ▲ SPEN Temporary Diversion Towers
- SPEN Temporary Diversion OHL

BGS Bedrock Geology 50k

- Alluvium and River Terrace Deposits (Undifferentiated) - Gravel, Sand, Silt and Clay
- Hummocky (Moundy) Glacial Deposits - Diamicton, Sand and Gravel
- Peat - Peat
- River Terrace Deposits (Undifferentiated) - Gravel, Sand, Silt and Clay
- Not Mapped

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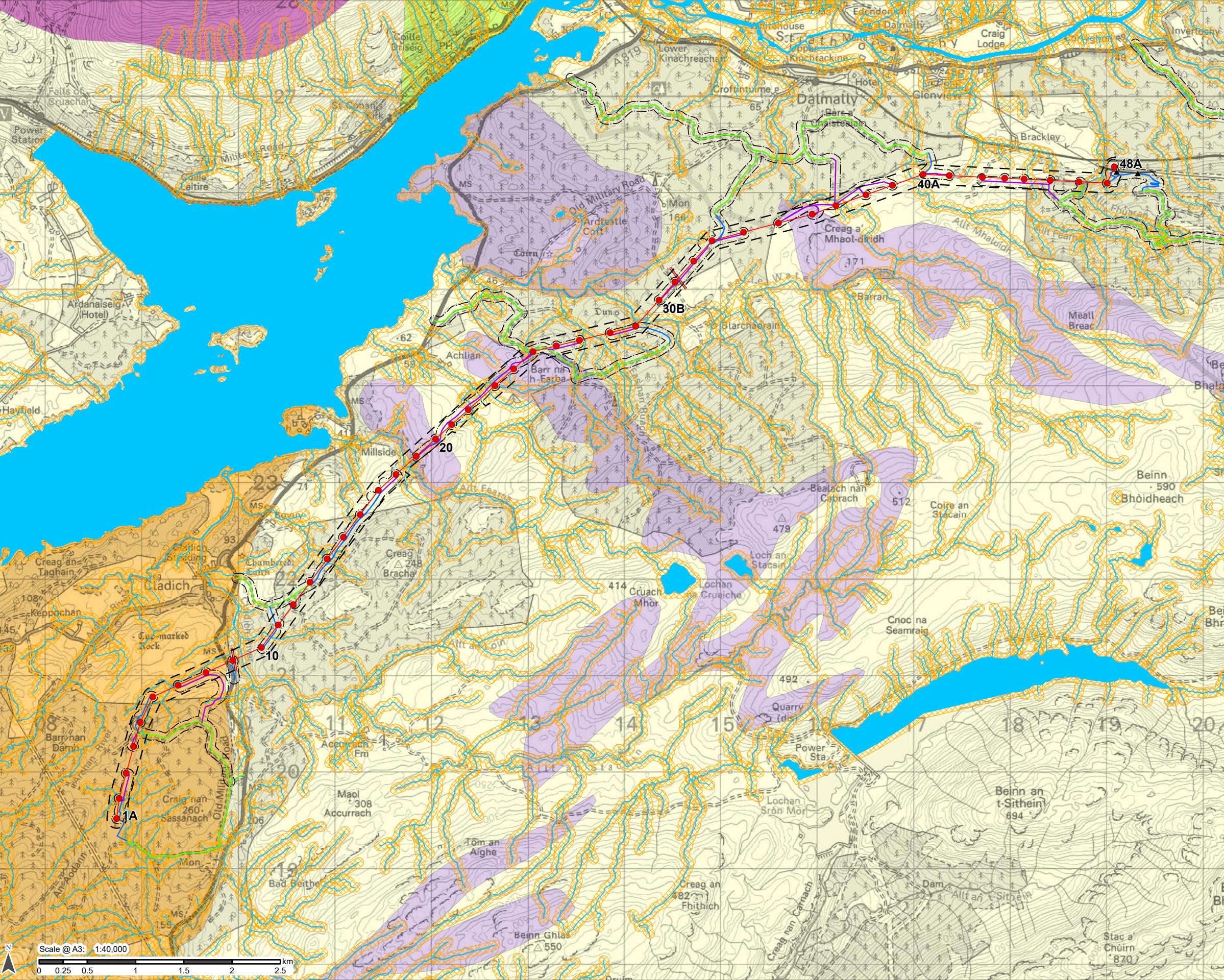
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Title:
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Figure 10.3.3b: LT29 Peat Landslide Hazard and Risk Assessment: Superficial Geology

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Drawing: R170_3673_Fig10.3.3b_OHL_SuperficialGeology_D



Legend

- Proposed OHL Towers
- Indicative Proposed Alignment
- Access Tracks - Existing Upgrade
- Access Tracks - New Stone Permanent
- Access Tracks - New Stone Temporary
- OHL Limit of Deviation (LOD 100 m from centre line of proposed alignment)
- Access Track Limit of Deviation (LOD 50 m from centre line of proposed access track)
- SPEN Temporary Diversion Towers
- SPEN Temporary Diversion OHL
- Watercourse
- Waterbody
- Surface Water 50m Buffer
- Hydrogeology 625k - Rock Unit**
 - 2C, Appin Group
 - 2C, Argyll Group
 - 2C, Unnamed Extrusive Rocks, Neoproterozoic
 - 2C, Unnamed Extrusive Rocks, Silurian to Devonian
 - 2C, Unnamed Igneous Intrusion, Late Silurian to Early Devonian
 - 2C, Unnamed Igneous Intrusion, Neoproterozoic

Whole Site: Low productivity aquifer



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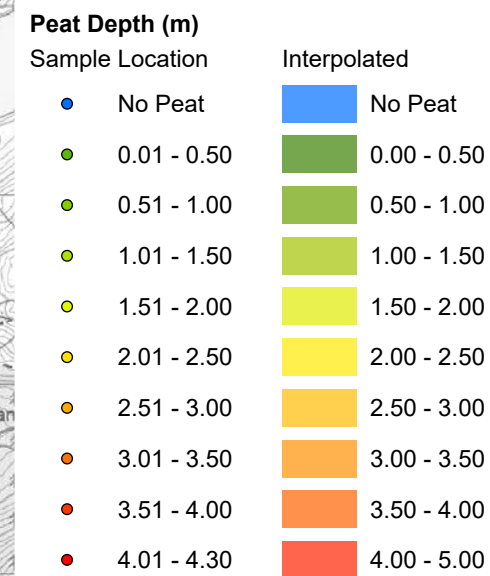
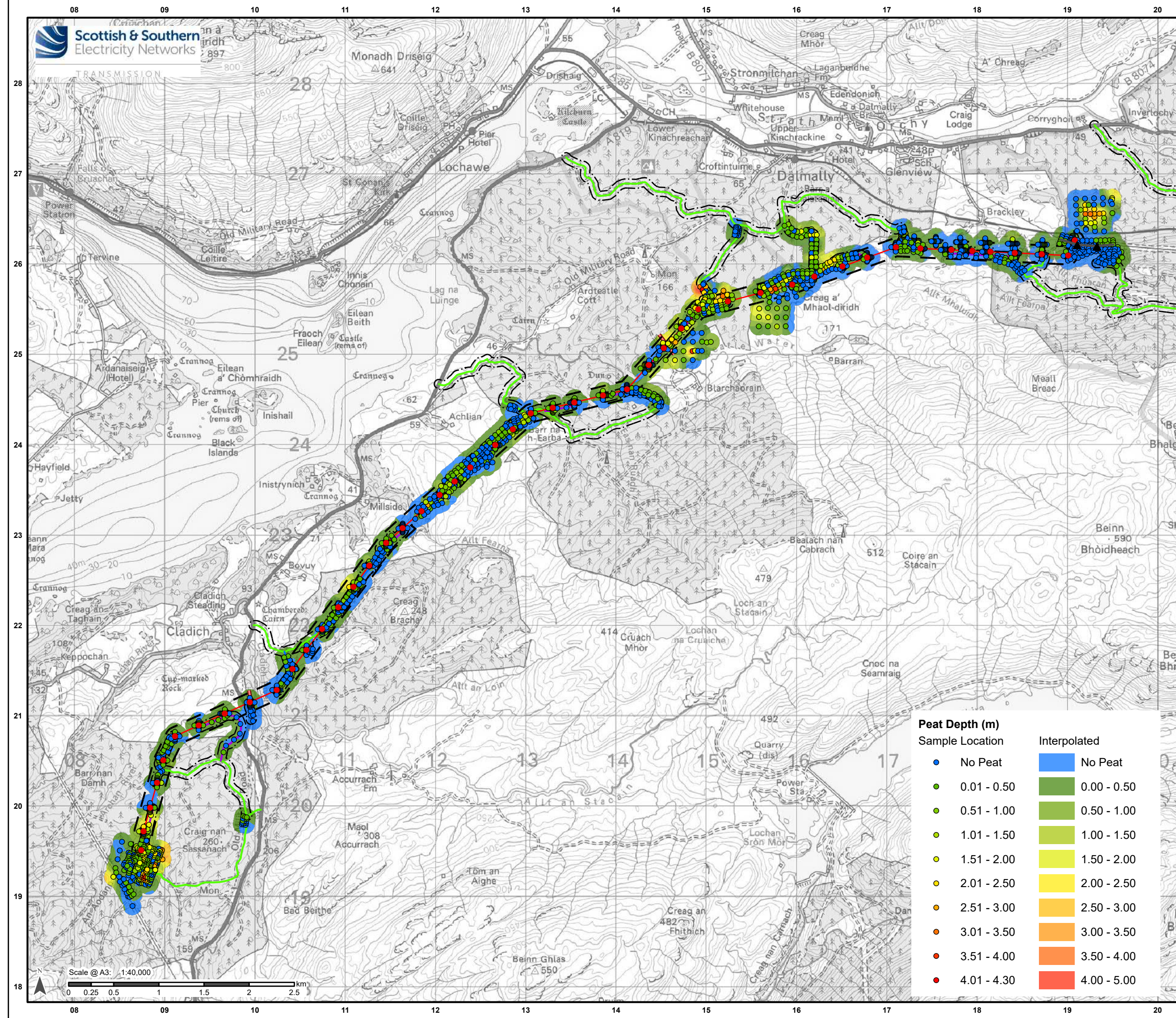
Title:
Creag Dhubh to Dalmally 275kV Connection

Figure 10.3.4: LT29 Peat Landslide Hazard and Risk
Assessment: Geomorphology & Hydrology

Drawn by: AB

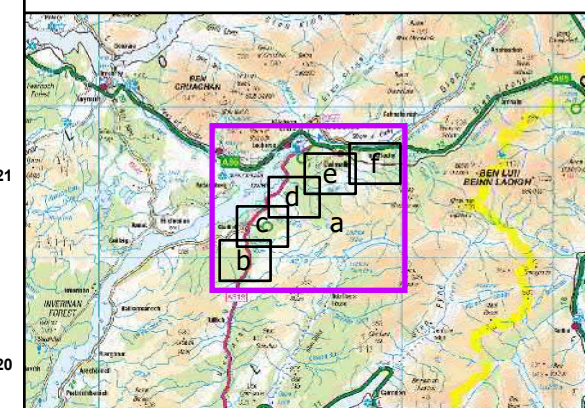
Date: 04/05/2022

Drawing: R170_3673_Fig10.3.4_OHL_GeomorphHydrology_D



Legend

- Proposed OHL Towers
- Indicative Proposed Alignment
- Indicative extent of undergrounding of existing LV where it is crossed by the Indicative Proposed Alignment
- Access Tracks - Existing Upgrade
- Access Tracks - New Stone Permanent
- Access Tracks - New Stone Temporary
- OHL Limit of Deviation (LOD 100 m from centre line of proposed alignment)
- Access Track Limit of Deviation (LOD 50 m from centre line of proposed access track)
- ▲ SPEN Temporary Diversion Towers
- SPEN Temporary Diversion OHL



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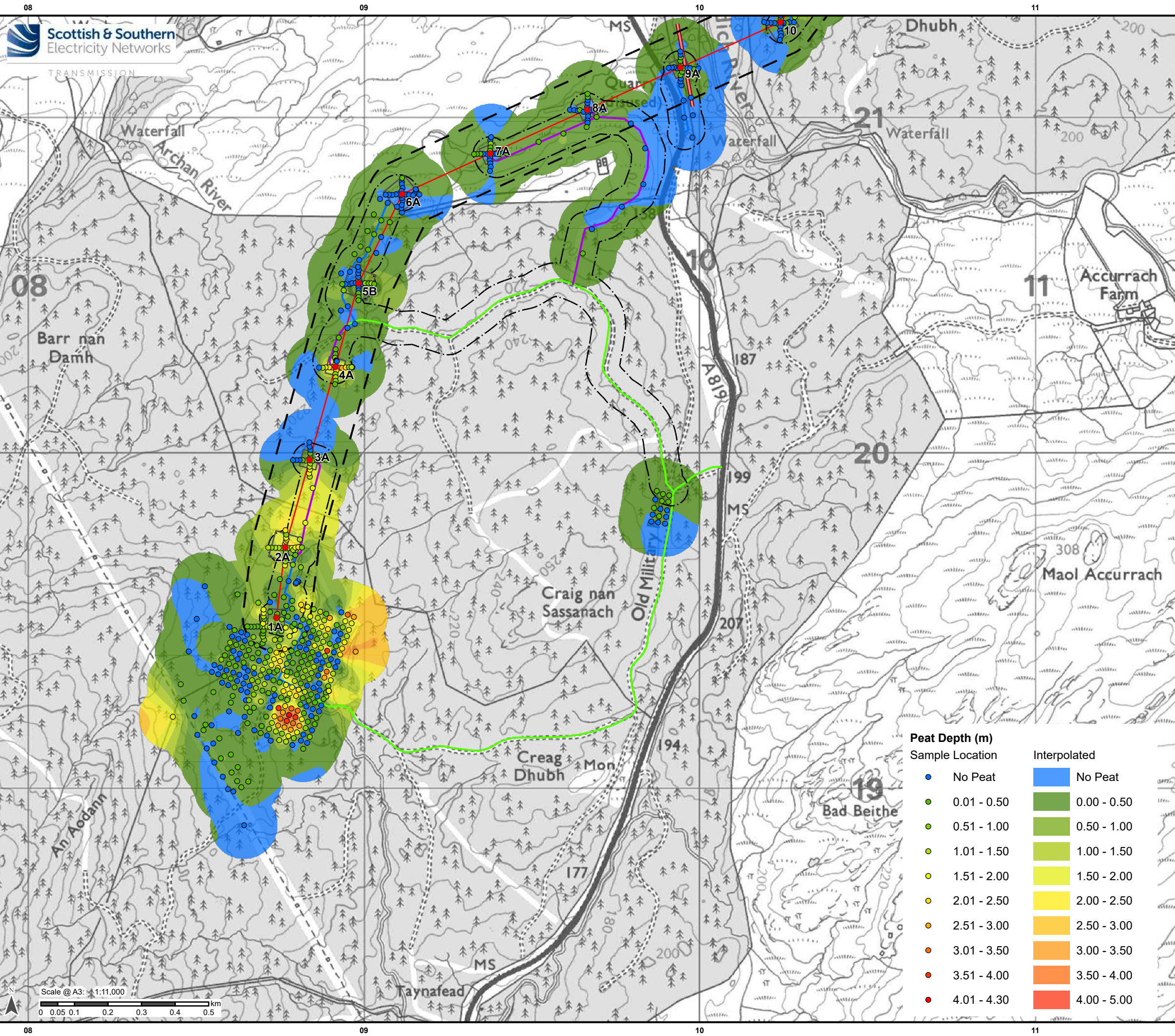
Title:
Creag Dhubh to Dalmally 275kV Connection

Figure 10.3.5.a: LT29 Peat Landslide Hazard and Risk
Assessment: Peat Depth

Drawn by: AB

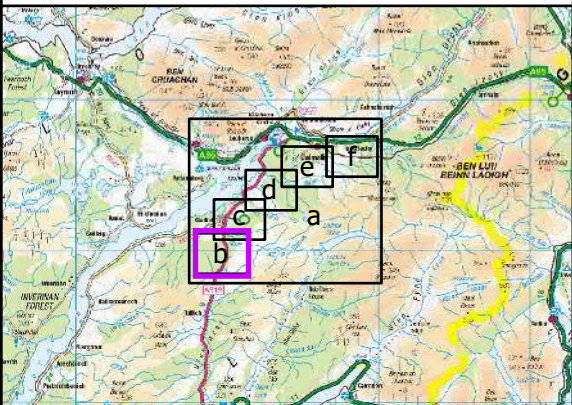
Date: 04/05/2022

Drawing: R170_3673_Fig10.3.5_OHL_PeatDepth_E



Legend

- Proposed OHL Towers
- Indicative Proposed Alignment
- Proposed OHL Tower Platform
- Indicative extent of undergrounding of existing LV where it is crossed by the Indicative Proposed Alignment
- Access Tracks - Existing Upgrade
- Access Tracks - New Stone Permanent
- Access Tracks - New Stone Temporary
- OHL Limit of Deviation (LOD 100 m from centre line of proposed alignment)
- Access Track Limit of Deviation (LOD 50 m from centre line of proposed access track)



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Figure 10.3.5.b: LT29 Peat Landslide Hazard and Risk Assessment: Peat Depth

Drawn by: AB Date: 04/05/2022

Drawing: R170_3673_Fig10.3.5_OHL_PeatDepth_E