

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

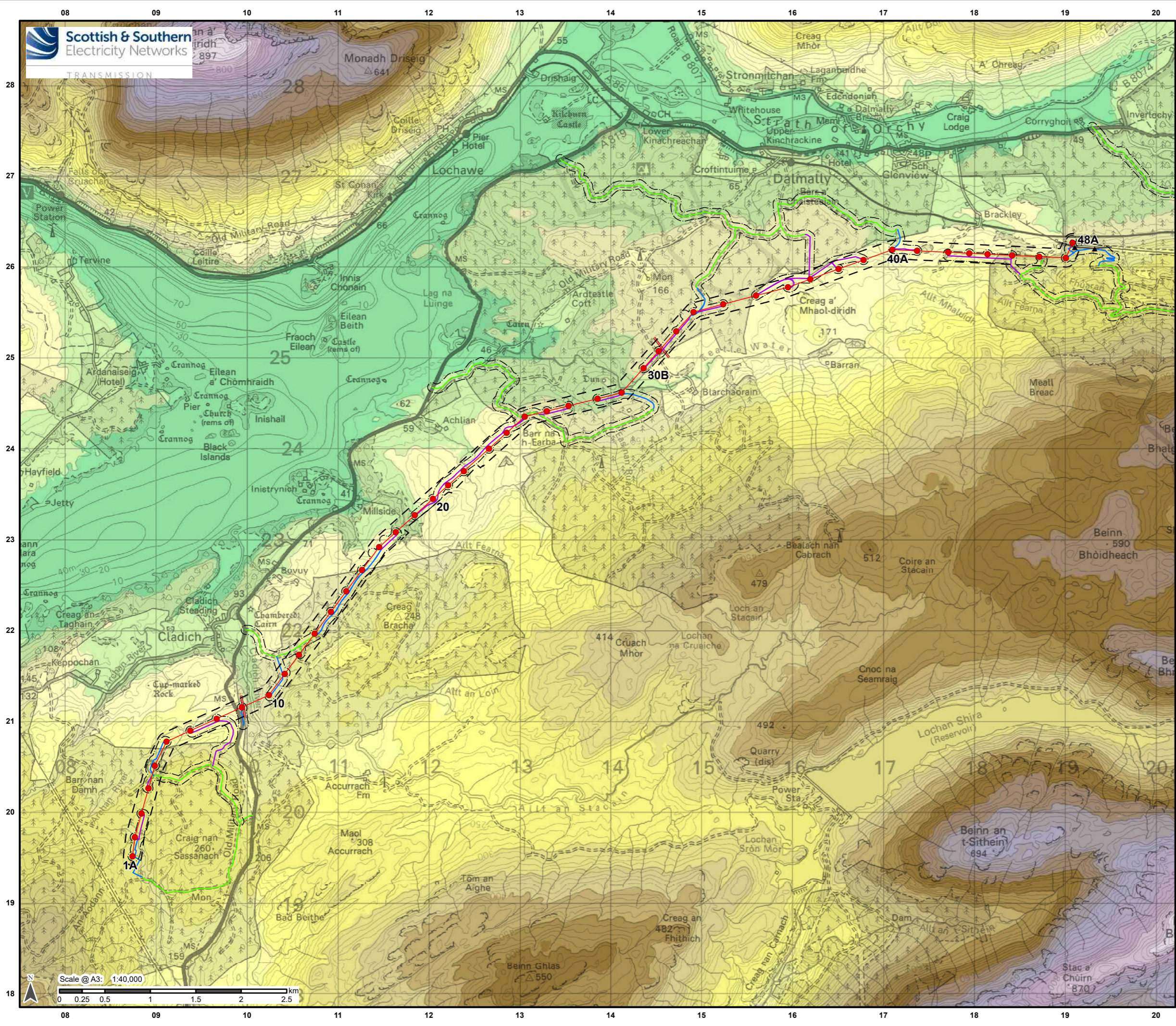
Figure 10.3.4b – Geomorphology

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



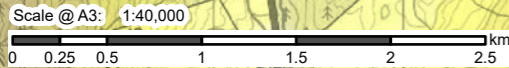
Reproduced by permission of Ordnance Survey on behalf of HMSO. Crown copyright and database right 2022 all rights reserved. Ordnance Survey Licence number EL273236.

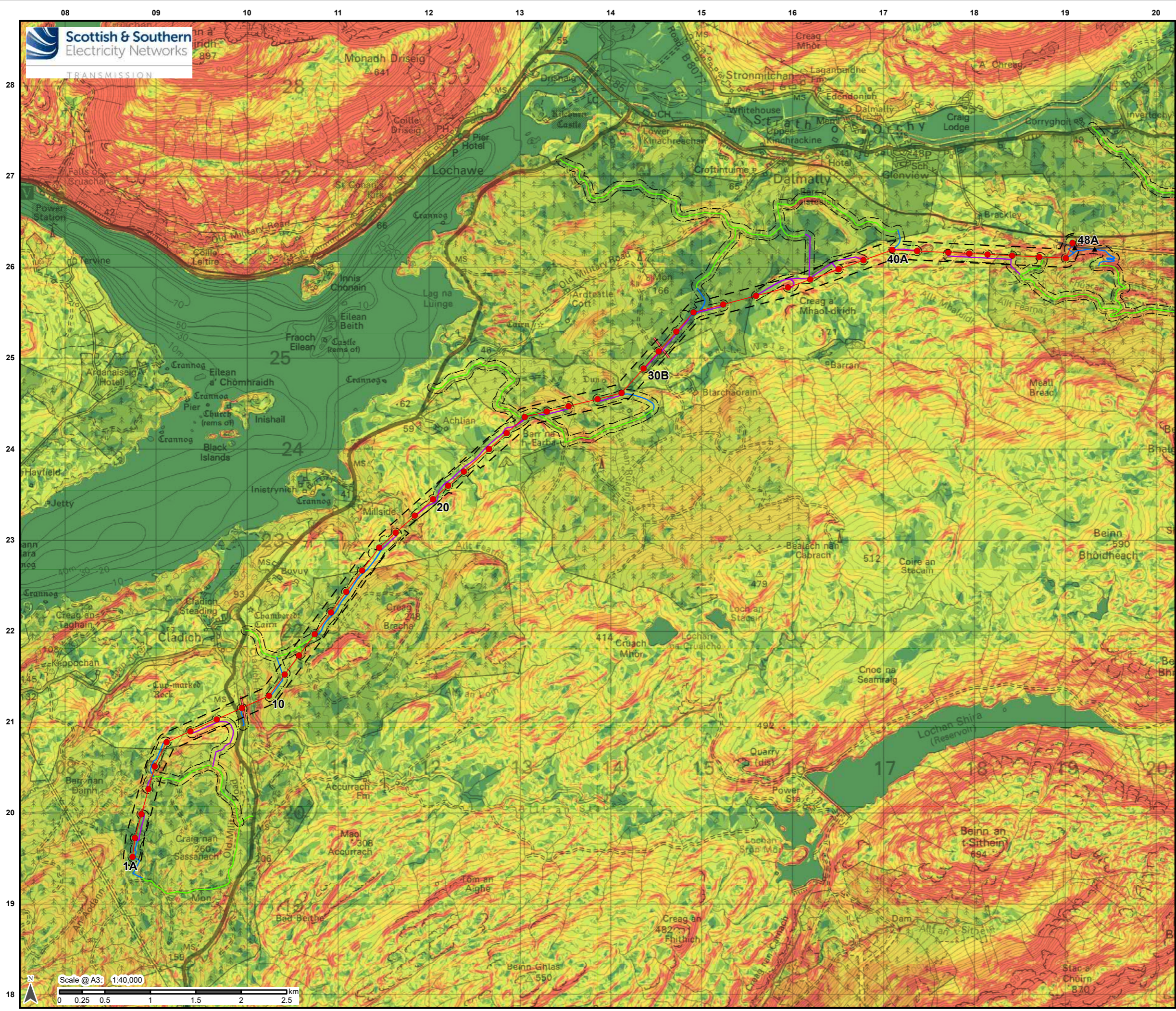
Project No: LT000029
Project: 1700003673

Title:
Craeg Dhubh to Dalmally 275kV Connection
Figure 10.3.1: LT29 Peat Landslide Hazard and Risk Assessment: Elevation

Drawn by: AB Date: 04/05/2022

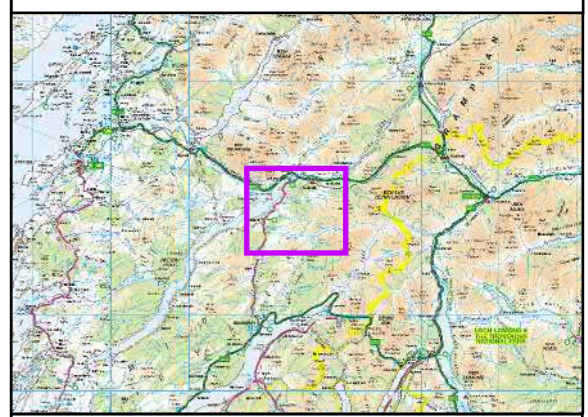
Drawing: R170_3673_Fig10.3.1_OHL_Elevation_D





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



Reproduced by permission of Ordnance Survey on behalf of HMSO. Crown copyright and database right 2022 all rights reserved. Ordnance Survey Licence number EL273236.

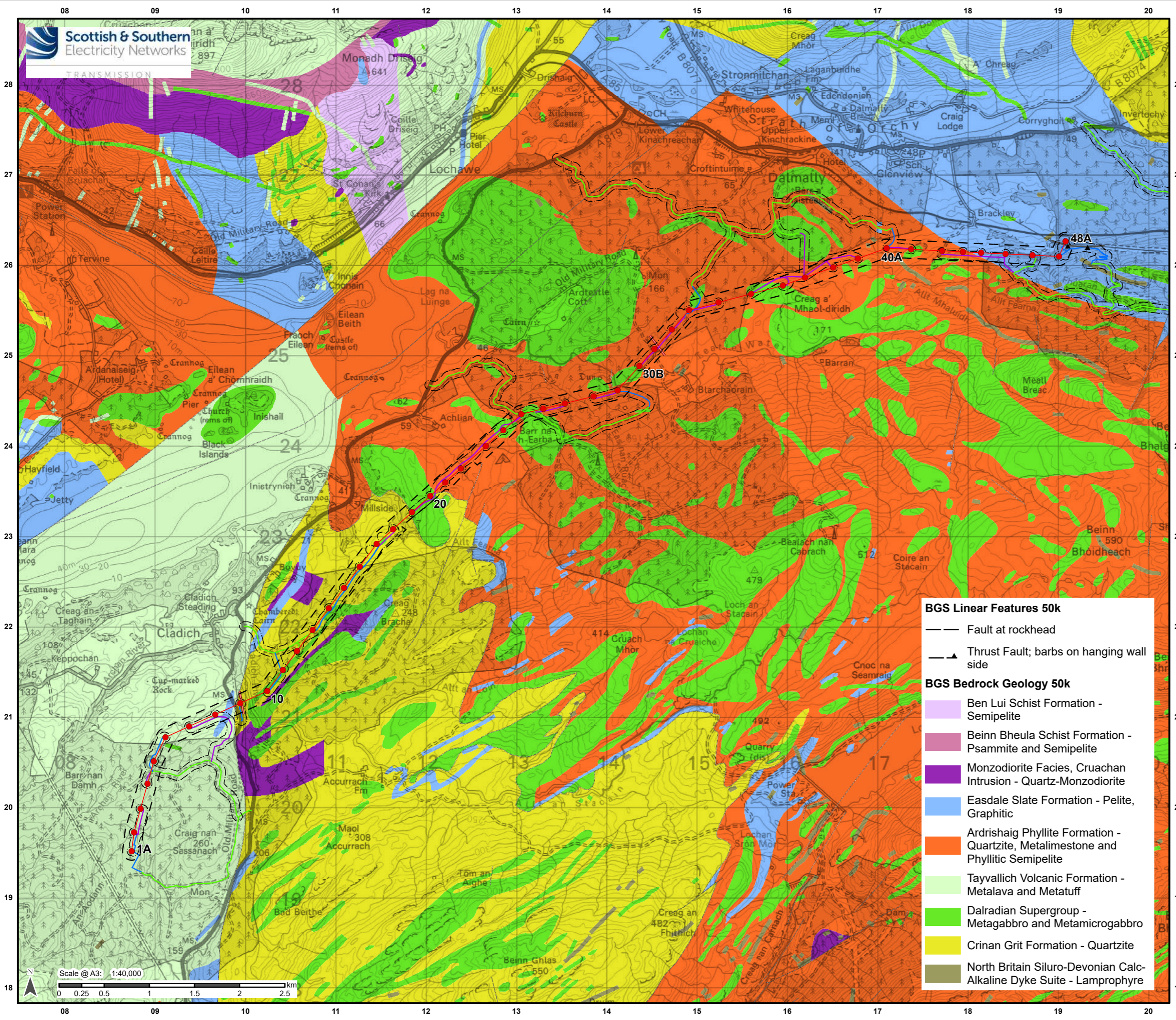
Project No: LT000029
Project: 1700003673

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



Reproduced by permission of Ordnance Survey on behalf of HMSO. Crown copyright and database right 2022 all rights reserved. Ordnance Survey Licence number EL273236. Contains British Geological Survey materials © UKRI 2021

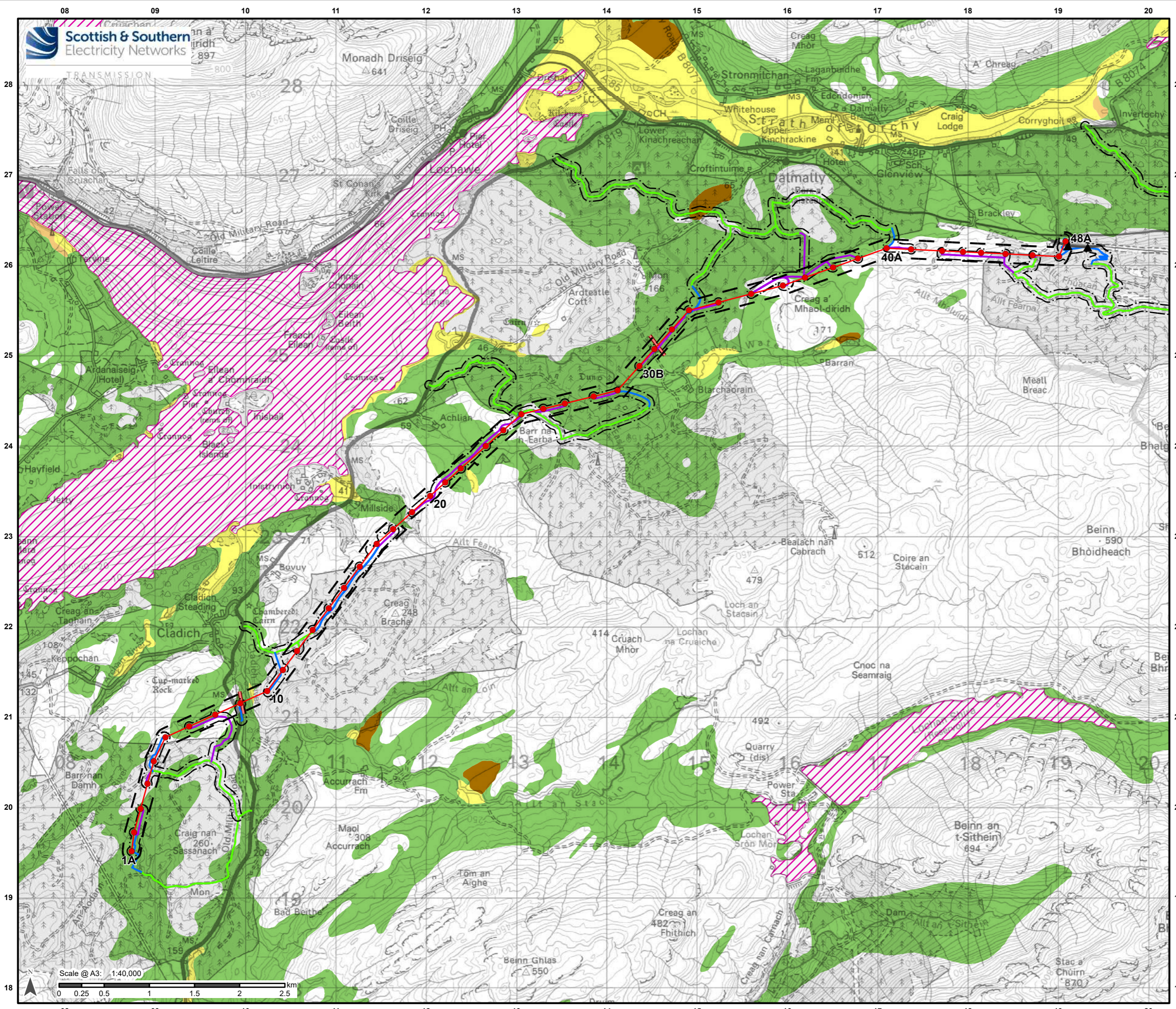
Project No: LT000029
Project: 1700003673

Title:
Creag Dhubh to Dalmally 275kV Connection
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



Reproduced by permission of Ordnance Survey on behalf of HMSO. Crown copyright and database right 2022 all rights reserved. Ordnance Survey Licence number EL273236. Contains British Geological Survey materials © UKRI 2021

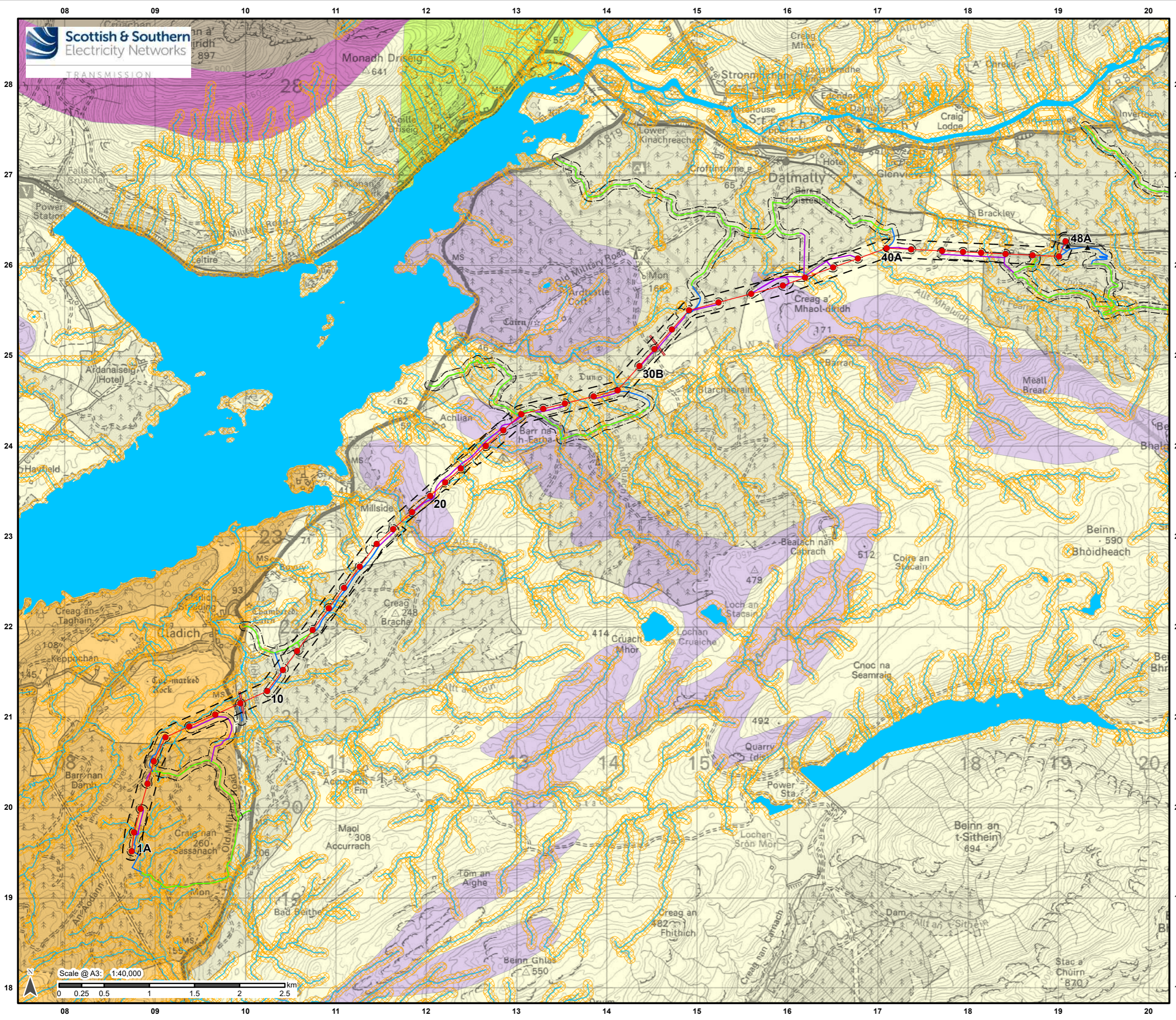
Project No: LT000029
Project: 1700003673

Title:
Creag Dhubh to Dalmally 275kV Connection
Figure 10.3.3b: LT29 Peat Landslide Hazard and Risk Assessment: Superficial Geology

Drawn by: AB Date: 04/05/2022

Drawing: R170_3673_Fig10.3.3b_OHL_SuperficialGeology_D





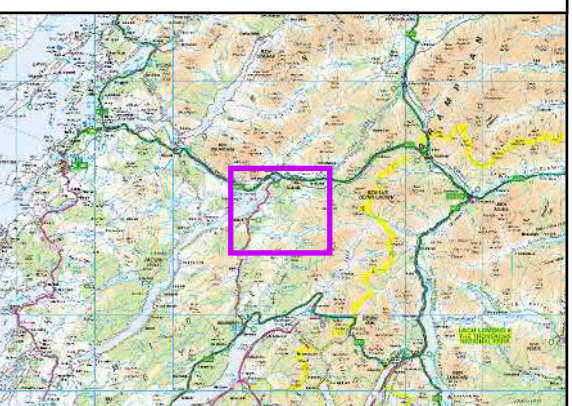
Legend

- 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



Reproduced by permission of Ordnance Survey on behalf of HMSO. Crown copyright and database right 2022 all rights reserved. Ordnance Survey Licence number EL273236.

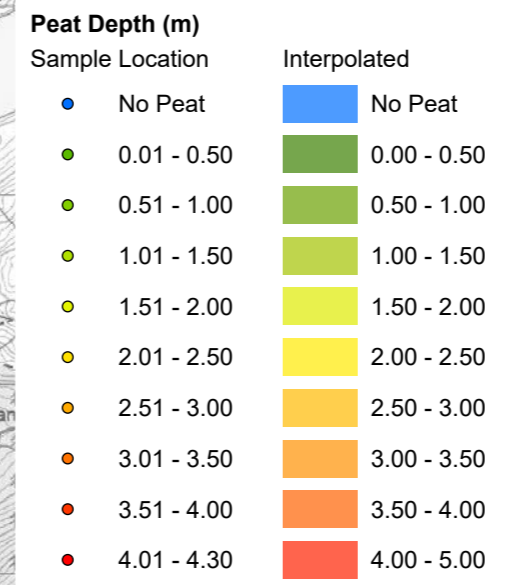
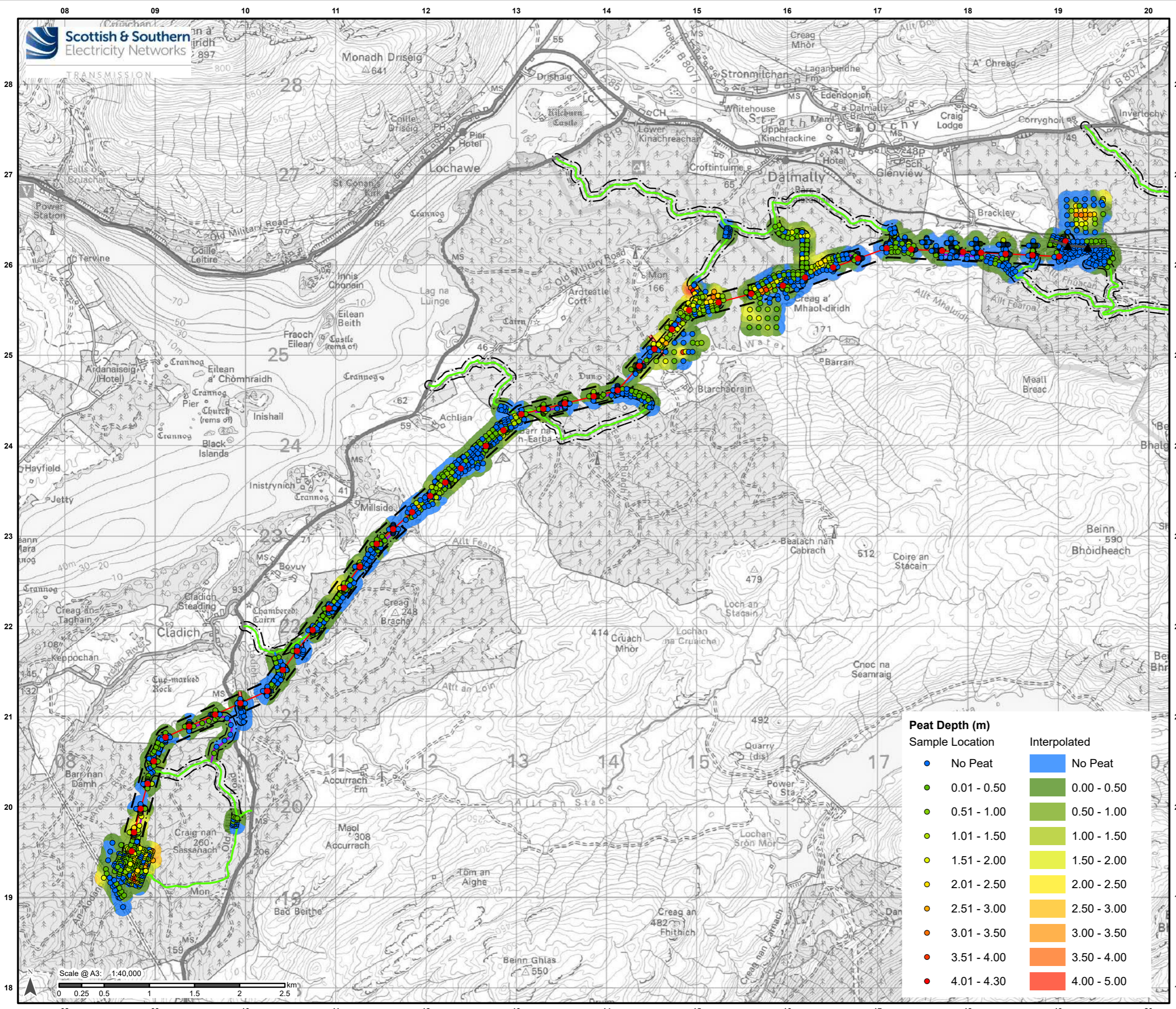
Project No: LT000029
Project: 1700003673

Title:
Creag Dhubh to Dalmally 275kV Connection
Figure 10.3.4: LT29 Peat Landslide Hazard and Risk Assessment: Geomorphology & Hydrology

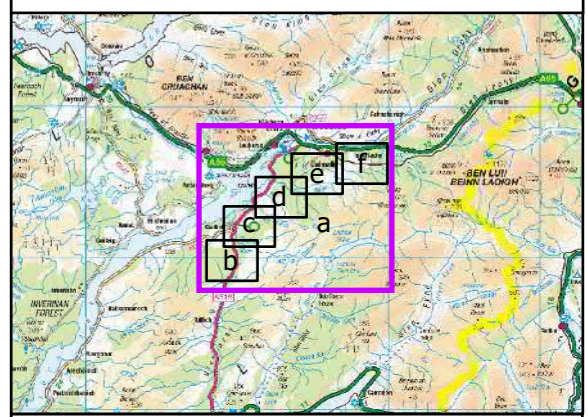
Drawn by: AB Date: 04/05/2022

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



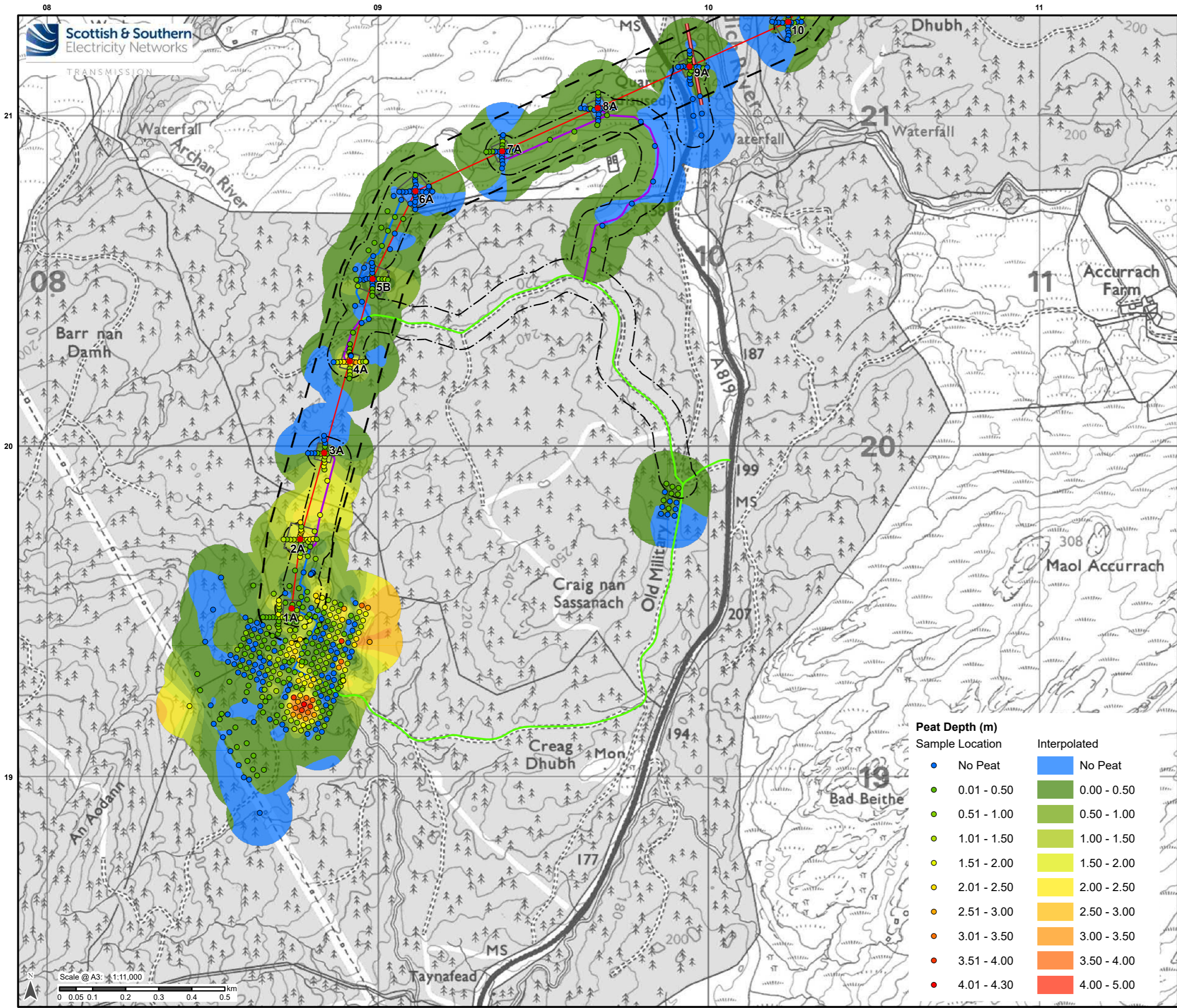
Reproduced by permission of Ordnance Survey on behalf of HMSO. Crown copyright and database right 2022 all rights reserved. Ordnance Survey Licence number EL273236.

Project No: LT000029
Project: 1700003673

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

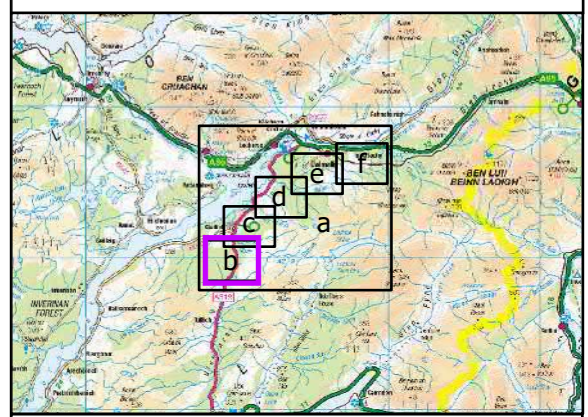
Drawing: R170_3673_Fig10.3.5_OHL_PeatDepth_E



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)

Peat Depth (m)	
Sample Location	Interpolated
● No Peat	■ No Peat
● 0.01 - 0.50	■ 0.00 - 0.50
● 0.51 - 1.00	■ 0.50 - 1.00
● 1.01 - 1.50	■ 1.00 - 1.50
● 1.51 - 2.00	■ 1.50 - 2.00
● 2.01 - 2.50	■ 2.00 - 2.50
● 2.51 - 3.00	■ 2.50 - 3.00
● 3.01 - 3.50	■ 3.00 - 3.50
● 3.51 - 4.00	■ 3.50 - 4.00
● 4.01 - 4.30	■ 4.00 - 5.00



Reproduced by permission of Ordnance Survey on behalf of HMSO. Crown copyright and database right 2022 all rights reserved. Ordnance Survey Licence number EL273236.

Project No: LT000029
Project: 1700003673

Title:
Creag Dhubh to Dalmally 275kV Connection

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

Scale @ A3: 1:11,000
0 0.05 0.1 0.2 0.3 0.4 0.5 km