Bowbeat Wind Farm Repowering Scoping Report
for Bowbeat Repowering Limited

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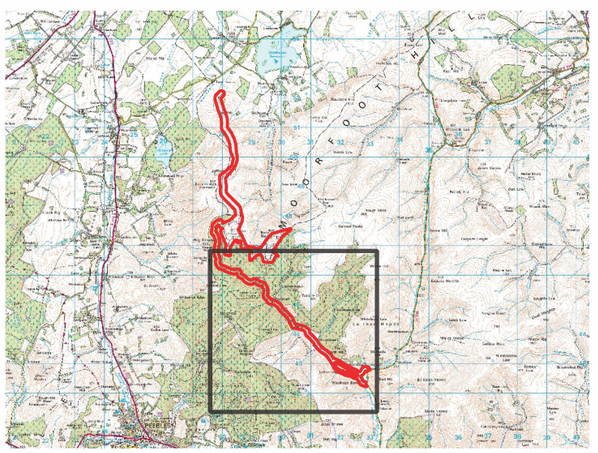
Figure 6.1a: Hydrological Context

Red Line Boundary

Infrastructure
- Turbine Location
- Infrastructure Layout
- Access Track
- Existing WF Cable to substation

Hydrology
- Catchment Boundary
- OS - Mapped Surface Water
- Surface Water 30m Buffer
- SEPA Flood Extents

Designated Sites
- Designated Site Area
- 1 River Tweed SAC
- 2 Dundriech Plateau SSSI
- 3 Gladhouse Reservoir SAC, SSSI
- 4 Moorfoot Hills SAC, SSSI



Map scale 20,000 @A3

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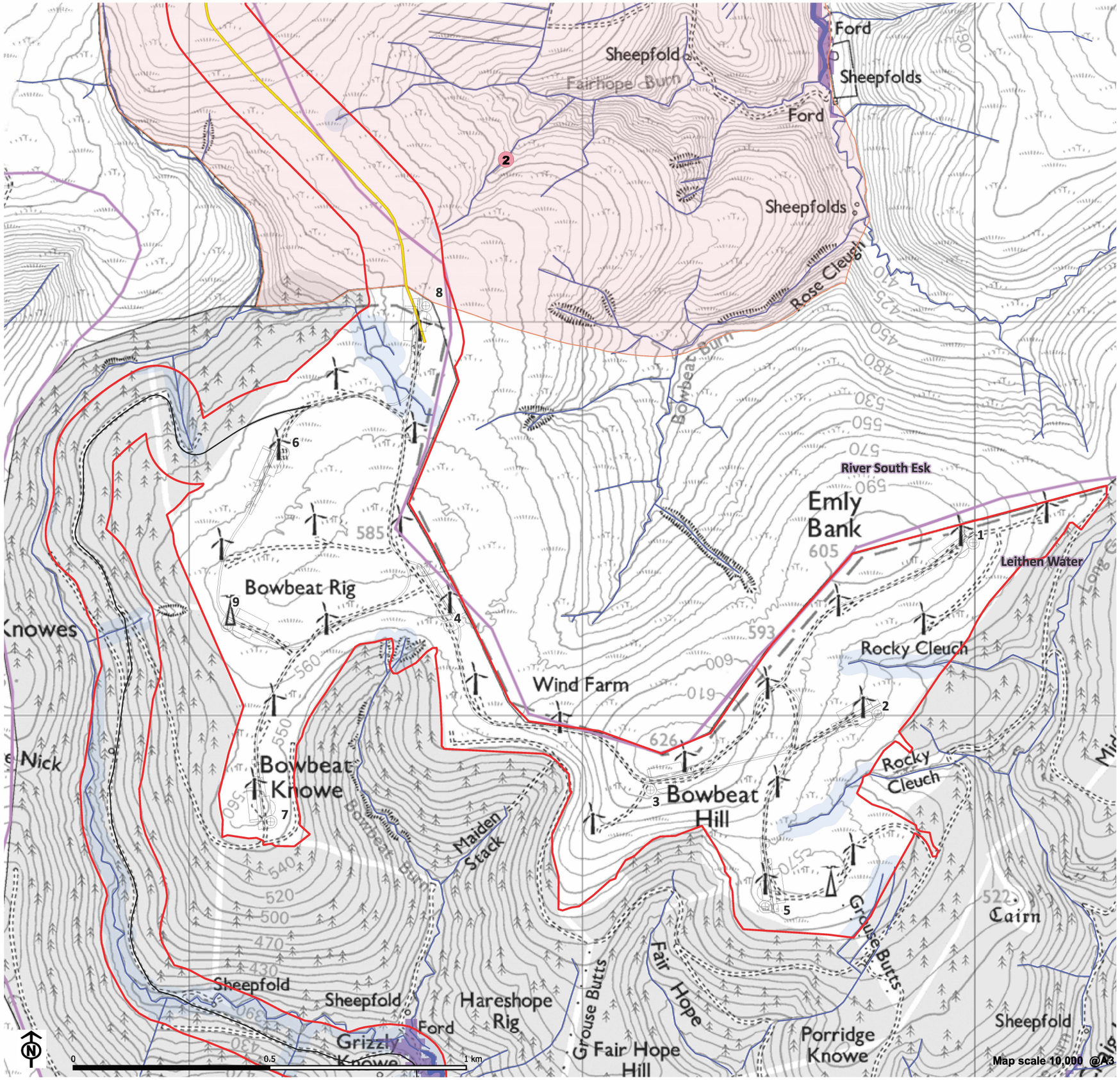
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Figure 6.1b: Hydrological Context

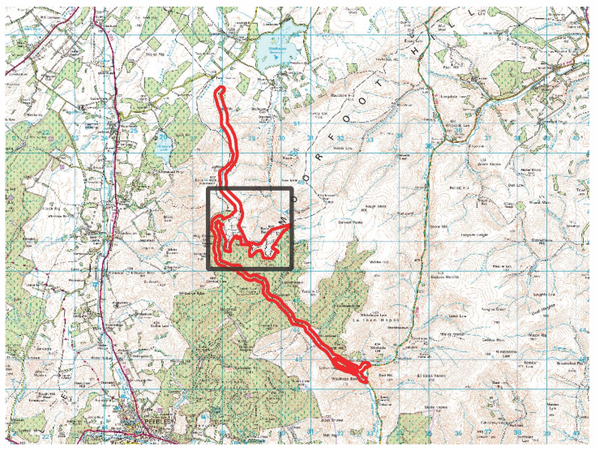


Red Line Boundary

Infrastructure
- Turbine Location
- Infrastructure Layout
- Access Track
- Existing WF Cable to substation

Hydrology
- Catchment Boundary
- OS - Mapped Surface Water
- Surface Water 30m Buffer
- SEPA Flood Extents

Designated Sites
- Designated Site Area
- (1) River Tweed SAC
- (2) Dundriech Plateau SSSI
- (3) Gladhouse Reservoir SAC, SSSI
- (4) Moorfoot Hills SAC, SSSI



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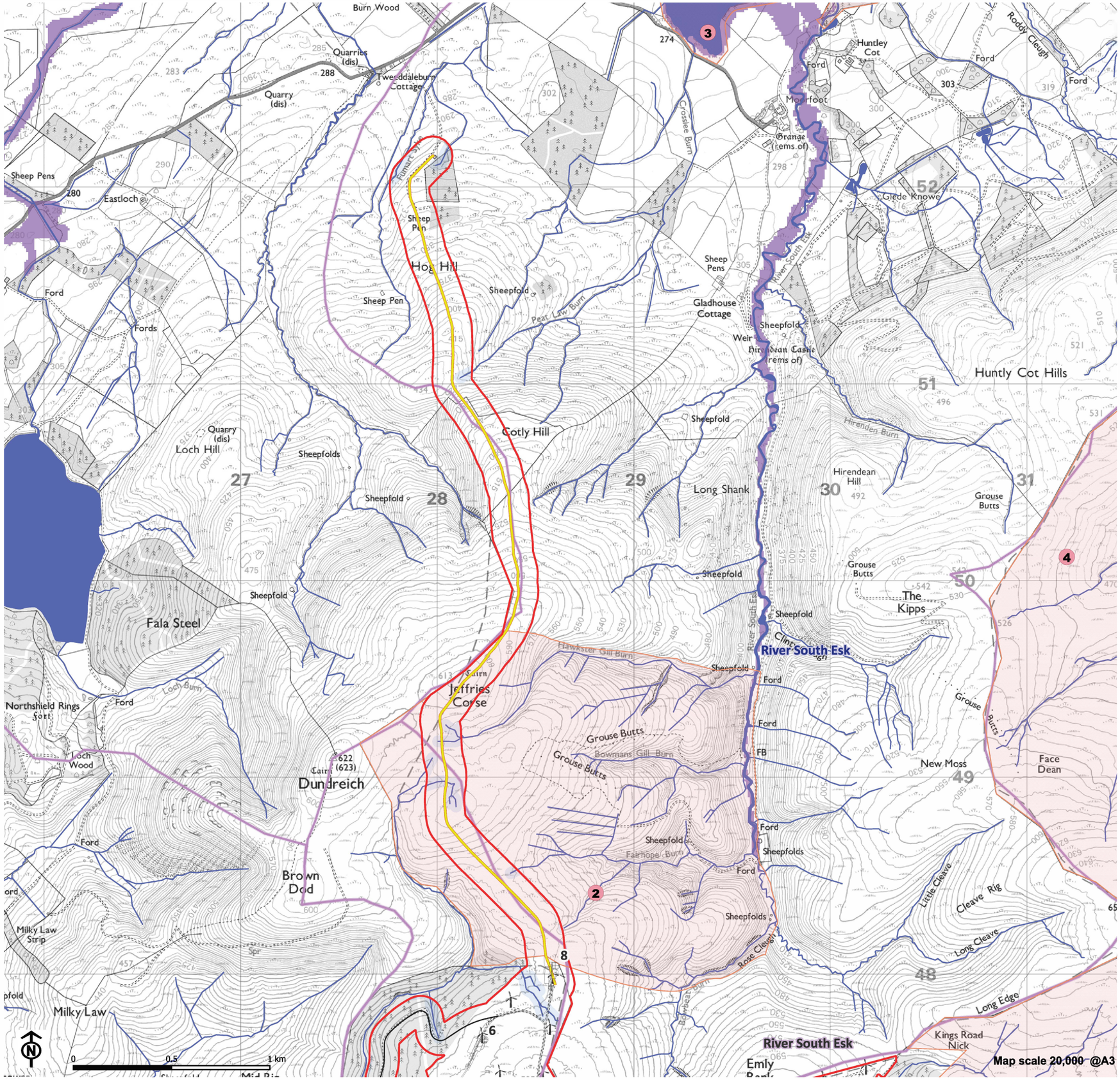
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Figure 6.1c: Hydrological Context

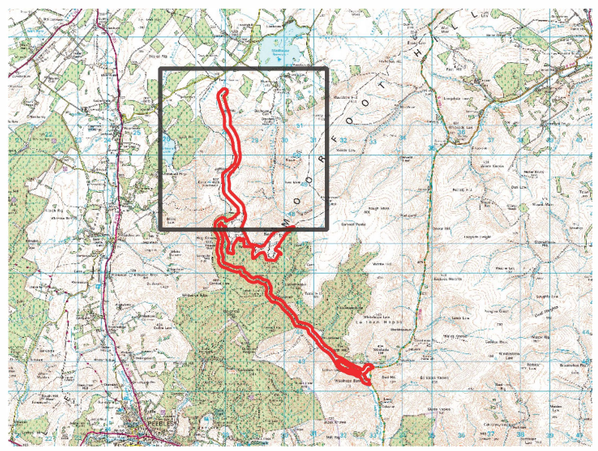


- Red Line Boundary

Infrastructure
- Turbine Location
- Infrastructure Layout
- Access Track
- Existing WF Cable to substation

Hydrology
- Catchment Boundary
- OS - Mapped Surface Water
- Surface Water 30m Buffer
- SEPA Flood Extents

Designated Sites
- Designated Site Area
- 1 River Tweed SAC
- 2 Dundriech Plateau SSSI
- 3 Gladhouse Reservoir SAC, SSSI
- 4 Moorfoot Hills SAC, SSSI



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Figure 6.2: Peat Depth of Penetration

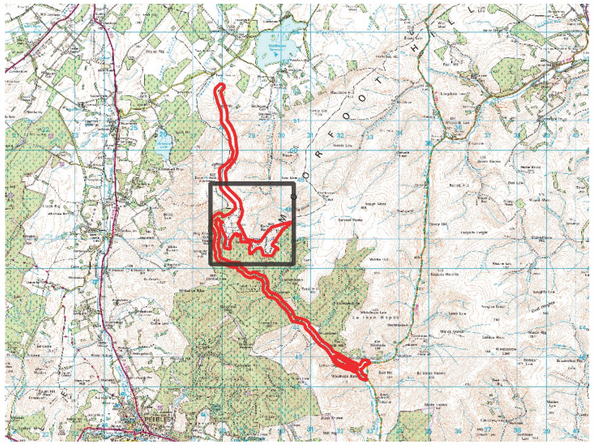
Red Line Boundary

Infrastructure

- Turbine Location
- Infrastructure Layout
- Access Track
- Existing WF Cable to substation
- Bowbeat Existing Access Tracks

Peat Depth of Penetration

- < 0.5 m
- > 0.5 - 1.0 m
- >1.0 - 1.5 m
- >1.5 - 2.0 m
- > 2.0 - 3.0 m
- > 3.0 - 4.0 m
- > 4.0 m



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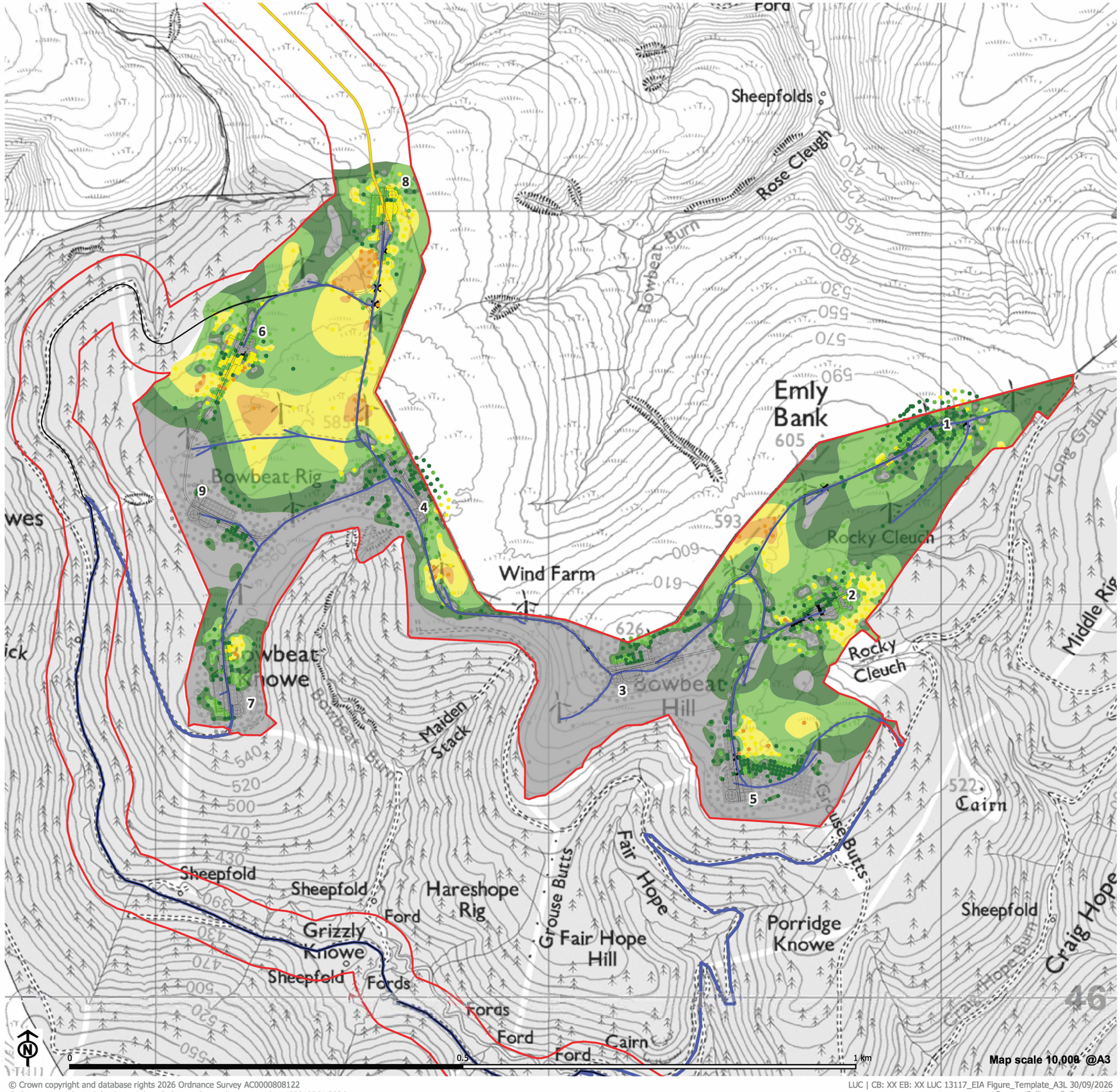
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Figure 6.3: Estimated Peat Depth



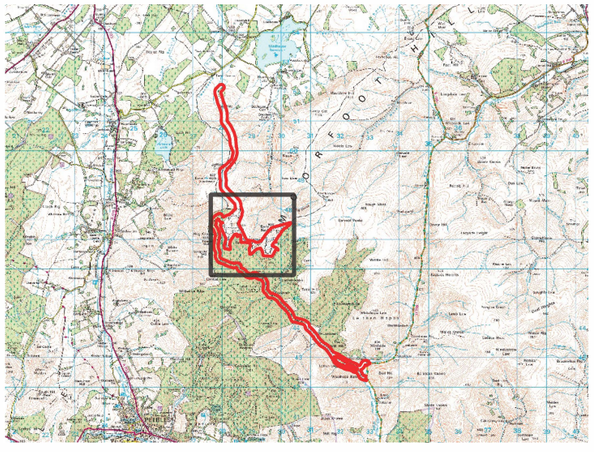
- Red Line Boundary

Infrastructure

- Turbine Location
- Infrastructure Layout
- Access Track
- Existing WF Cable to substation
- Bowbeat Existing Access Tracks

Estimated Peat Depth

- 0 - 0. 5 m
- > 0. 5 - 1. 0 m
- > 1. 0 - 1. 5 m
- > 1. 5- 2. 0m
- > 2. 0- 3. 0m
- > 3. 0 - 4. 0 m
- > 4. 0 m



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