

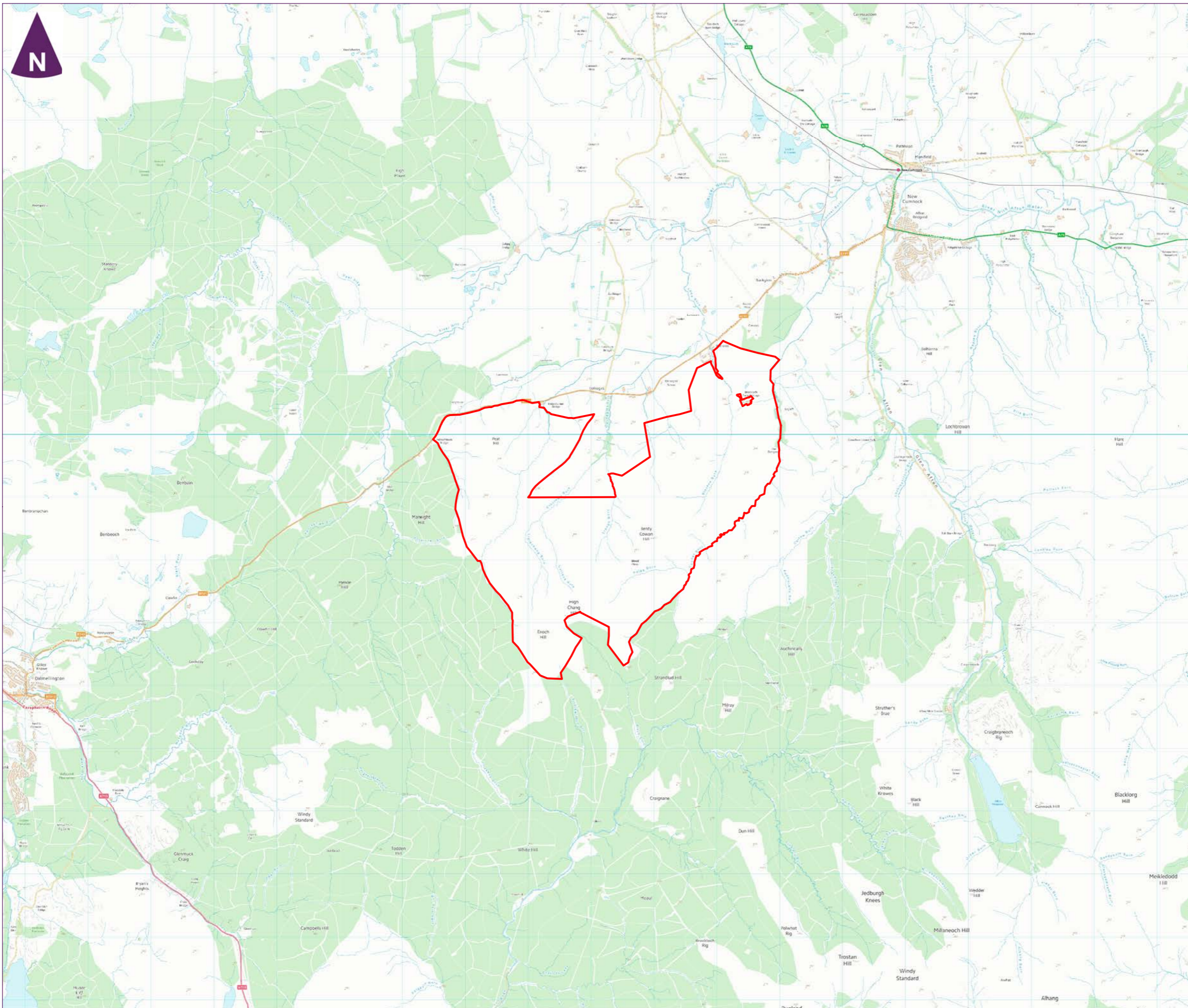
# Appendix A

## Figures

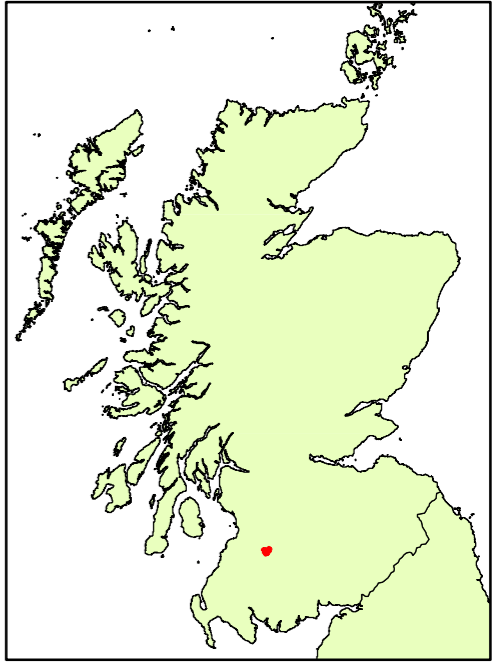
<b>Drawing Number</b>	<b>Drawing Title</b>
<b>Gla351</b>	Figure 1 – Site Location Plan
<b>Gla352</b>	Figure 2 – Site Layout Plan
<b>Gla355</b>	Figure 3 - SNH Carbon rich soil, deep peat and priority peatland habitats map (in consultation)
<b>Gla356</b>	Figure 4 – BGS Superficial Geology
<b>Gla357</b>	Figure 5 – BGS Bedrock Geology
<b>Gla308</b>	Figure 6.1 – 6.4 – Aerial Photography
<b>Gla371</b>	Figure 7 – Geomorphology Map
<b>Gla359</b>	Figure 8 – OS Terrain 5 Digital Terrain Model
<b>Gla360</b>	Figure 9.1 – 9.5 – Peat Depth Survey Data
<b>Gla361</b>	Figure 10 – Interpolated Peat Depth Map (by Natural Neighbour)
<b>Gla368</b>	Figure 11 – PHRS Peatslide Severity Scores
<b>Gla369</b>	Figure 12.1 – 12.5 – PHRS Scores
<b>Gla370</b>	Figure 13 – Infinite Slope Analysis Results Unloaded Model Parameters
<b>Gla364</b>	Figure 14 – PHRS Risk Zoning Plan



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Key  
Application Boundary



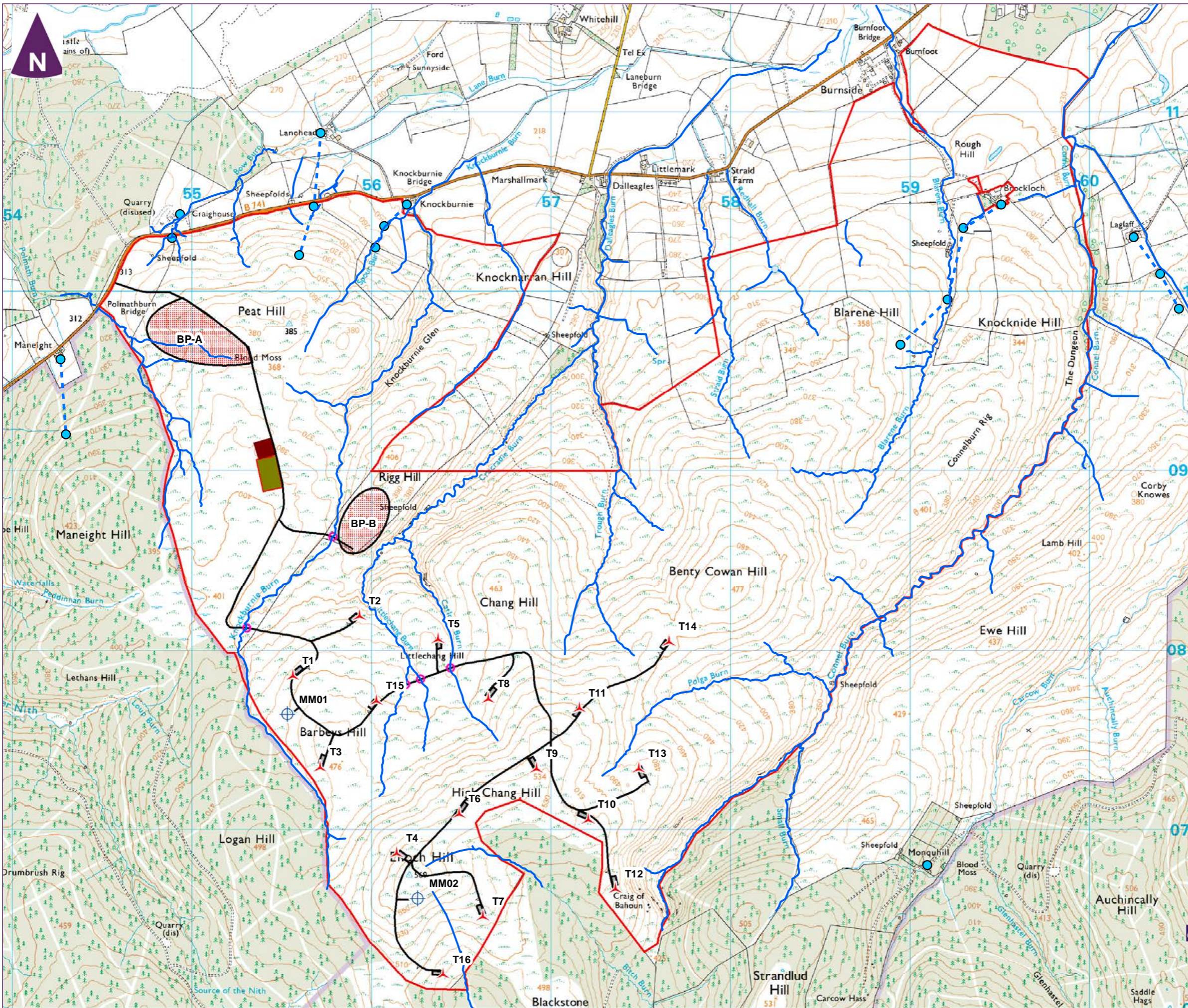
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km  
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Client

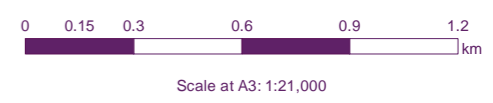
Enoch Hill Wind Farm  
Peatside Hazard and Risk  
Assessment



Figure 1  
Site Location



- Key
- Application boundary
  - ▲ Turbine locations
  - Watercourse crossings
  - ⊕ Permanent meteorological masts
  - Proposed on site tracks
  - Borrow pit search areas
  - Turning head
  - Temporary construction compound
  - SPEN & EON substation compound
  - Crane pads
  - Surface Water Courses
  - Private Water Supplies
  - Private Water Supply Pipeline

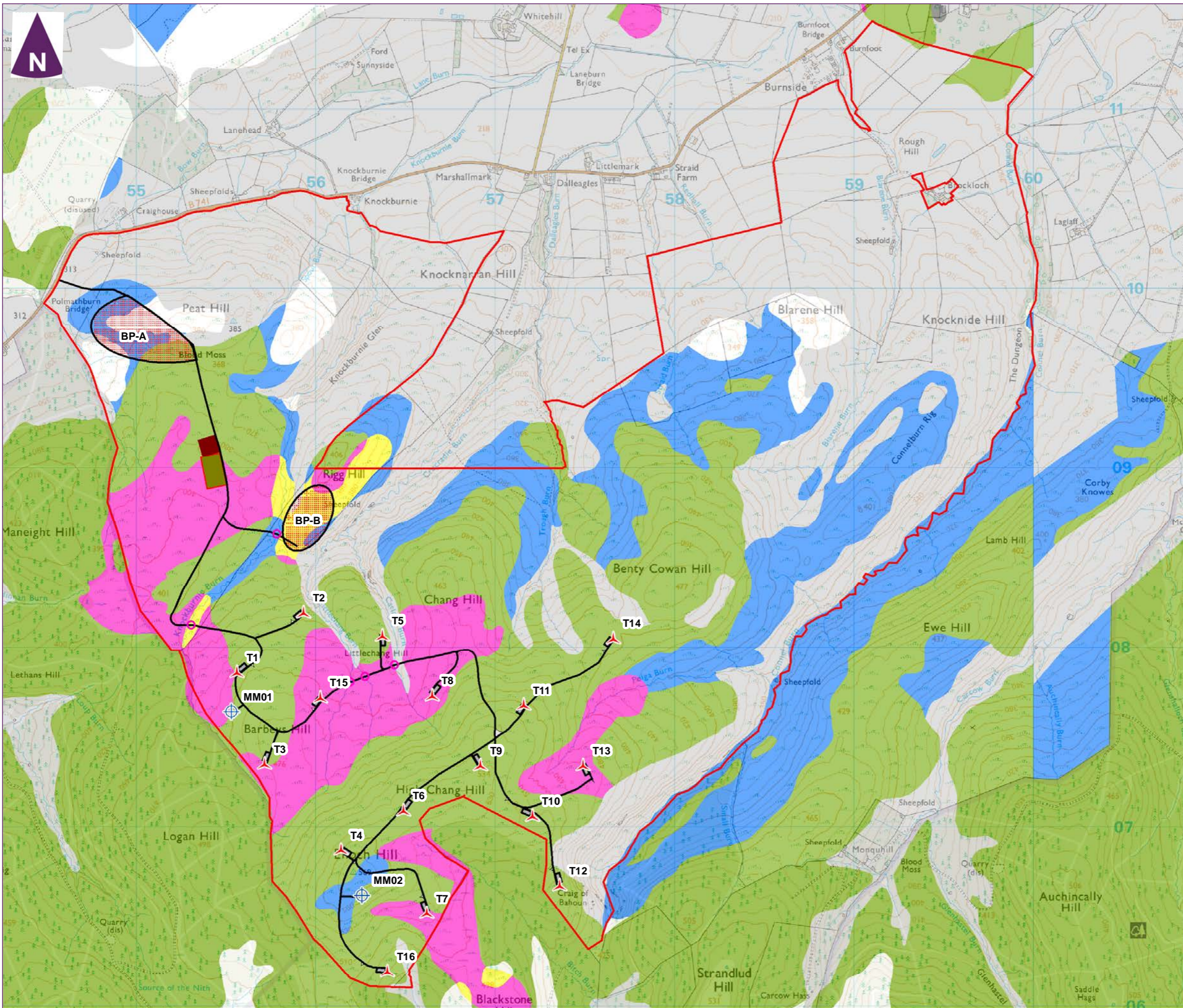


Enoch Hill Wind Farm  
Peatside Hazard and Risk  
Assessment

**Figure 2**  
Site Layout

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**Key**

- Application boundary
- ▲ Turbine locations
- Watercourse crossings
- ⊕ Permanent meteorological masts
- Proposed on site tracks
- Borrow pit search areas
- Turning head
- Temporary construction compound
- SPEN & EON substation compound
- Crane pads

**SNH Carbon and Peatland Map 2016**

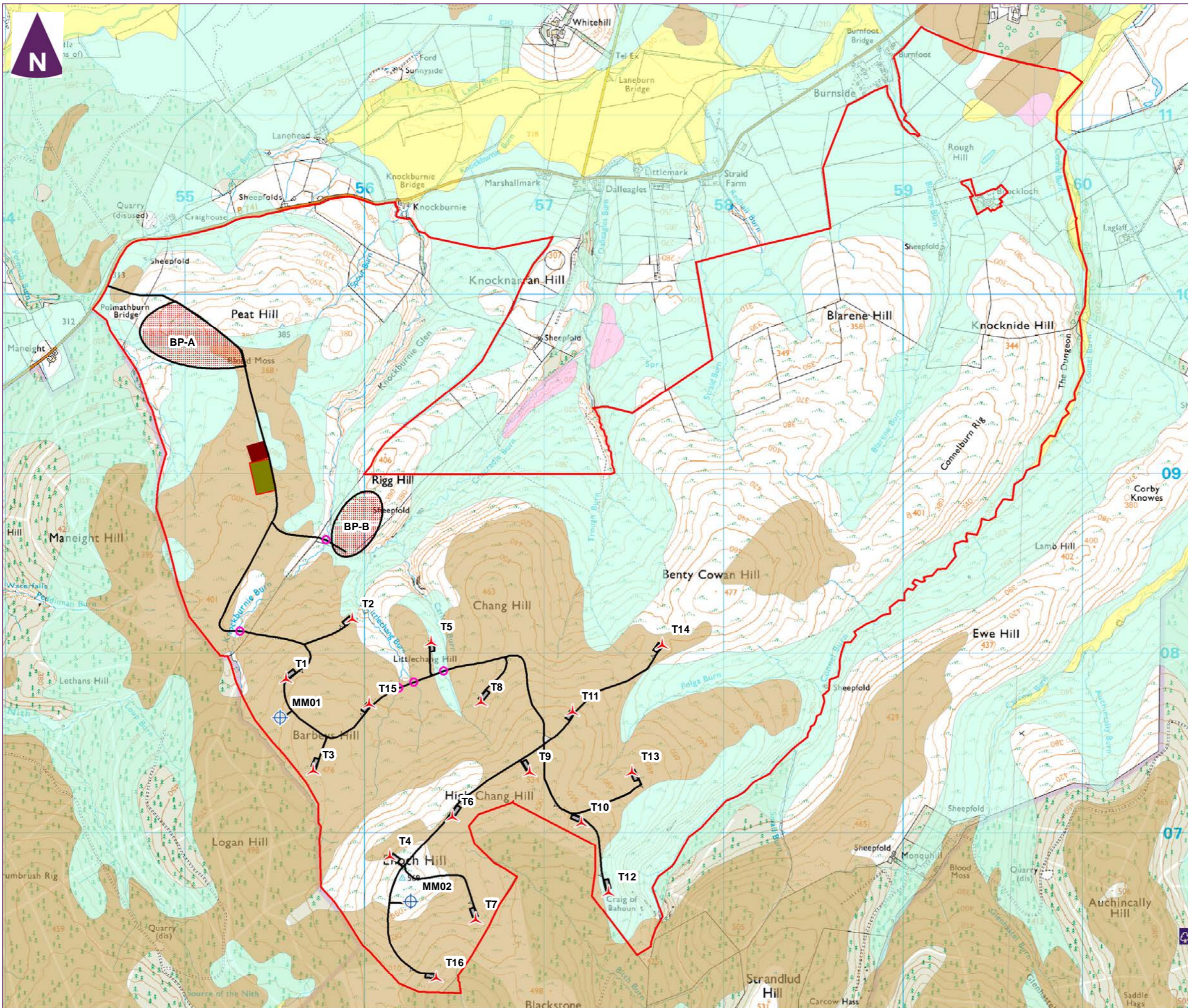
- Non-soil
- Unknown soil type
- Mineral soils
- Class 1
- Class 2
- Class 3
- Class 4
- Class 5

0 0.15 0.3 0.6 0.9 1.2 km  
Scale at A3: 1:21,000

Enoch Hill Wind Farm  
Peatside Hazard and Risk  
Assessment



**Figure 3**  
SNH Carbon and Peatland map 2016

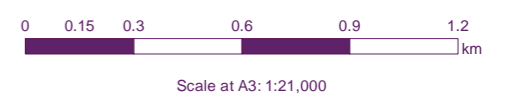


**Key**

- Application boundary
- ▲ Turbine locations
- Watercourse crossings
- ⊕ Permanent meteorological masts
- Proposed on site tracks
- Borrow pit search areas
- Turning head
- Temporary construction compound
- SPEN & EON substation compound
- Crane pads

**BGS Superficial Geology**

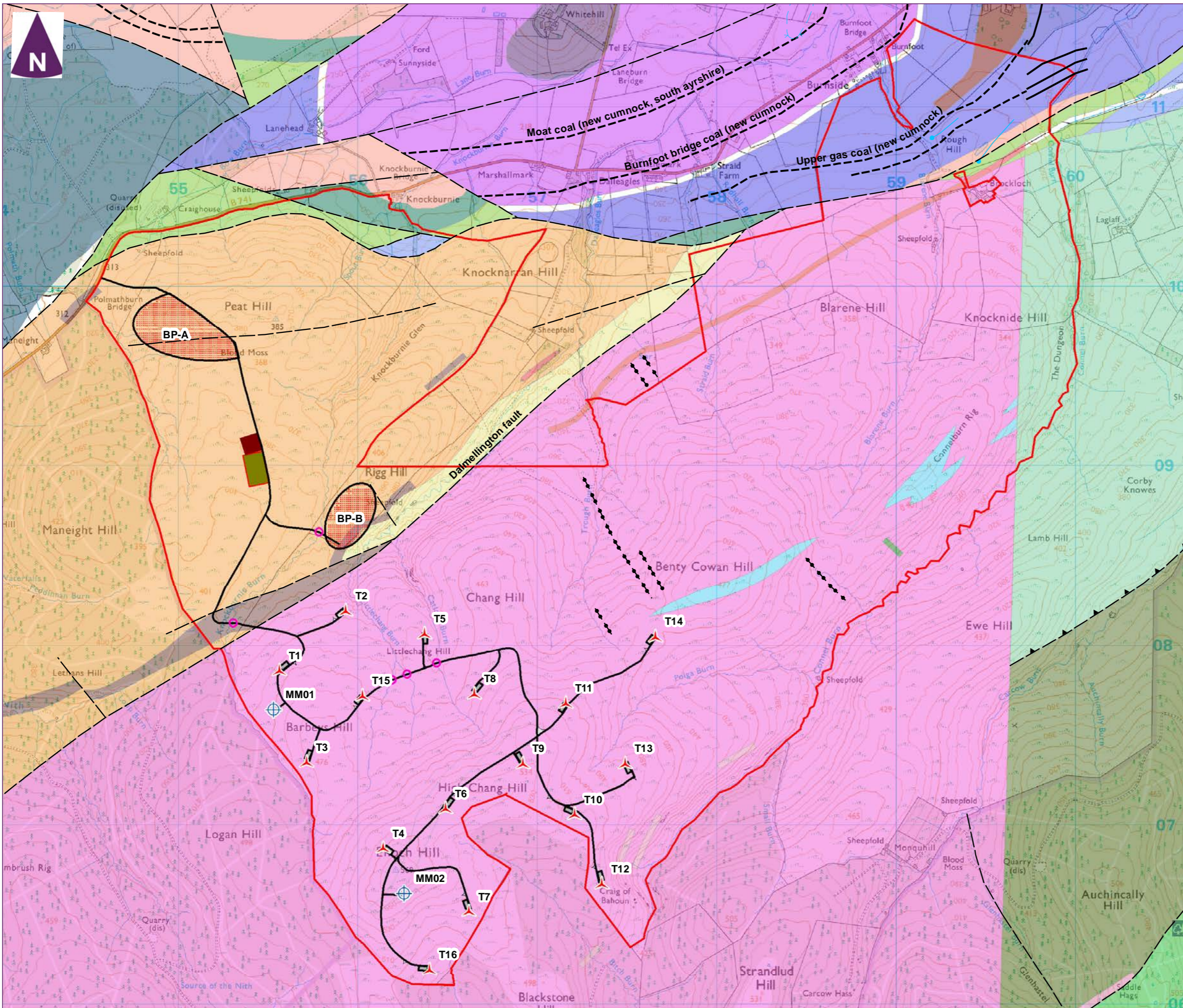
- Alluvium
- Glaciofluvial Deposits
- Peat
- Glacial Till



**Enoch Hill Wind Farm  
Peatside Hazard and Risk  
Assessment**

**Figure 4  
BGS Superficial Geology**

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**Key**

- Application boundary
- ▲ Turbine locations
- Watercourse crossings
- ⊕ Permanent meteorological masts
- Proposed on site tracks
- Borrow pit search areas
- Turning head
- Temporary construction compound
- SPEN & EON substation compound
- Crane pads

**BGS Bedrock Geology**

- Ayrshire Basaltic and Foiditic Plugs and Vents
- Blackraig Formation
- Carrick Volcanic Formation
- Crawford Formation
- Cumbræ-Stevenston Dyke
- Kirkholm Formation
- Lanark Group
- Leadhills Formation
- Limestone Coal Formation
- Limestone Coal Formation and Upper Limestone Formation (Undifferentiated)
- Marchburn Formation
- North Britain Siluro-Devonian Calc-Alkaline Dyke Suite
- Passage Formation
- Scottish Lower Coal Measures Formation
- Scottish Middle Coal Measures Formation
- Scottish Upper Coal Measures Formation
- Southern Midland Valley Felsite Sills
- Unamed Igneous Intrusion of unknown age
- Upper Limestone Formation
- Western Midland Valley Westphalian to early Permian Sills

Coal seam, inferred  
 Coal seam, observed  
v Drumlin, form line at base  
 Fault, inferred, displacement unknown  
 Reverse or thrust fault, inferred, barbs on hanging wall side, throw in metres  
● Glacial meltwater channel centre line, undifferentiated  
 Mineral vein, inferred

0 0.15 0.3 0.6 0.9 1.2 km  
Scale at A3: 1:21,000

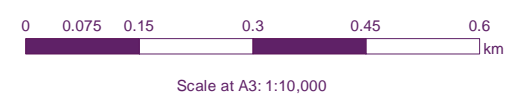
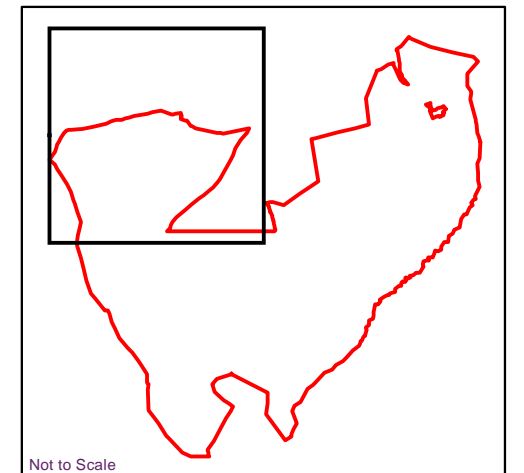
**Enoch Hill Wind Farm  
Peatside Hazard and Risk  
Assessment**

**Figure 5  
BGS Bedrock Geology**

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- Key
- Application boundary
  - ▲ Turbine locations
  - ⊕ Permanent meteorological masts



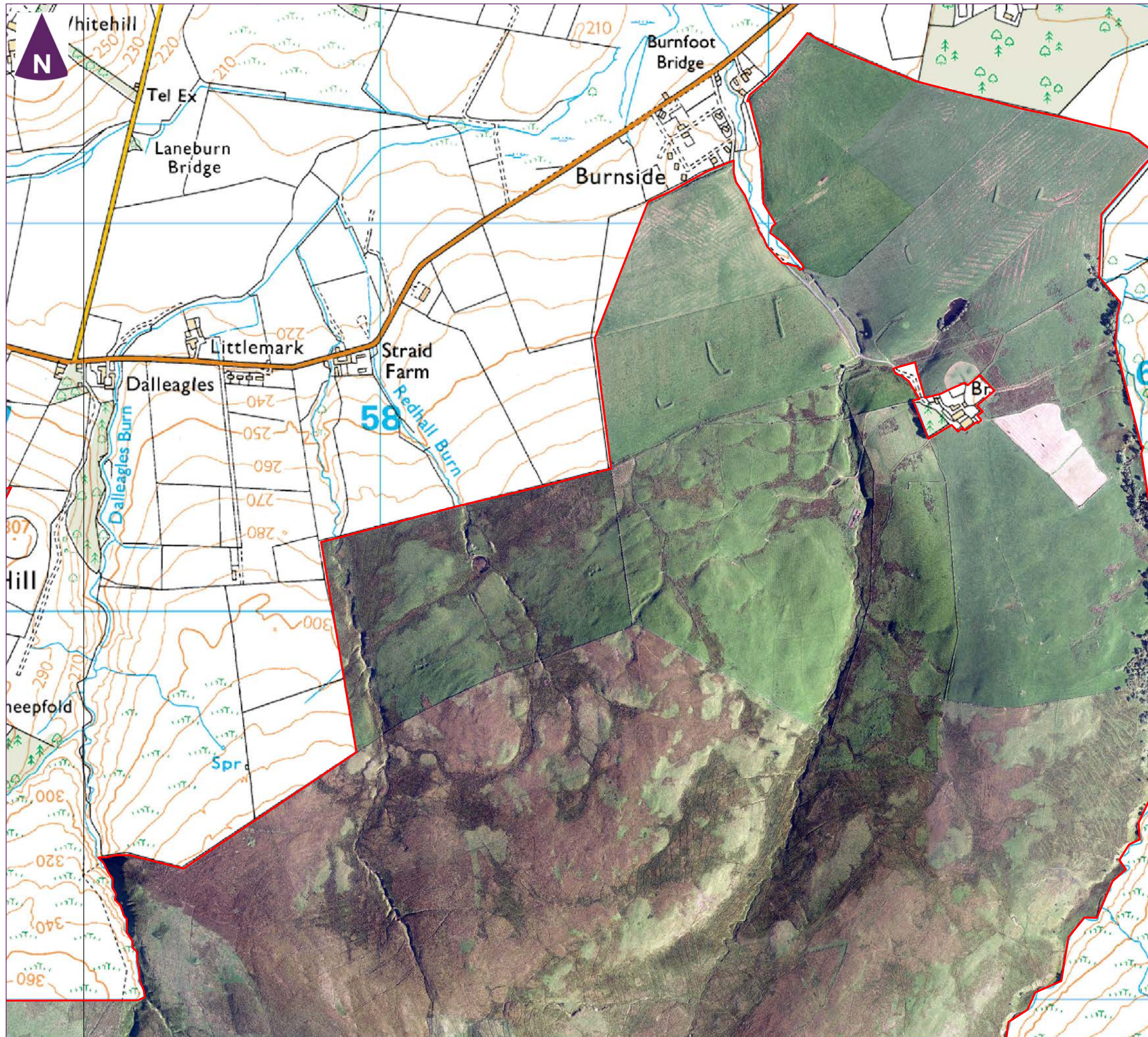
Enoch Hill Wind Farm  
Peatside Hazard and Risk  
Assessment

amec  
foster  
wheeler

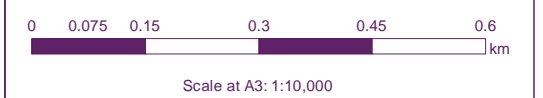
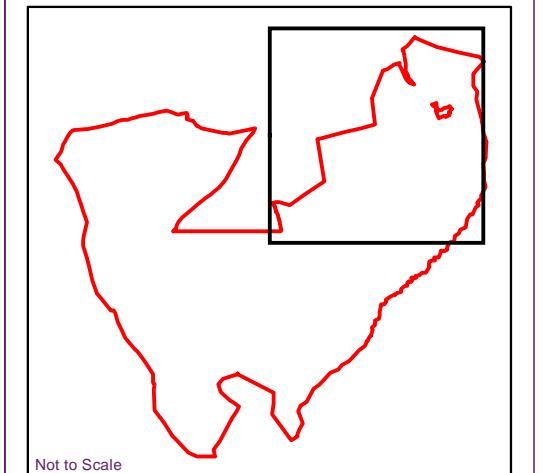
**Figure 6.1**  
Aerial Photography

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- Key
- Application boundary
  - ▲ Turbine locations
  - ⊕ Permanent meteorological masts

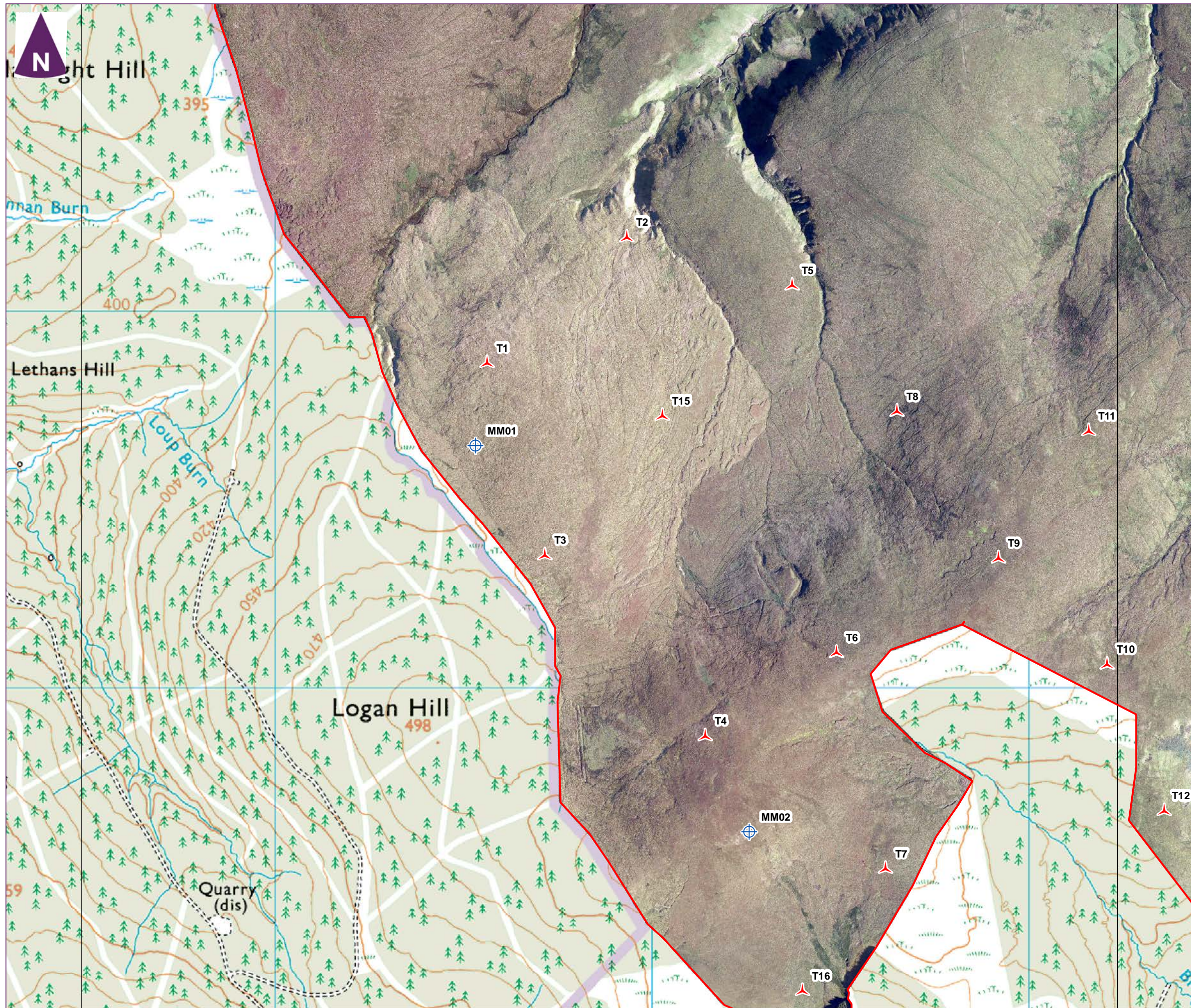


Enoch Hill Wind Farm  
Peatside Hazard and Risk  
Assessment



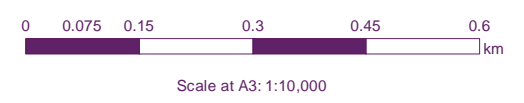
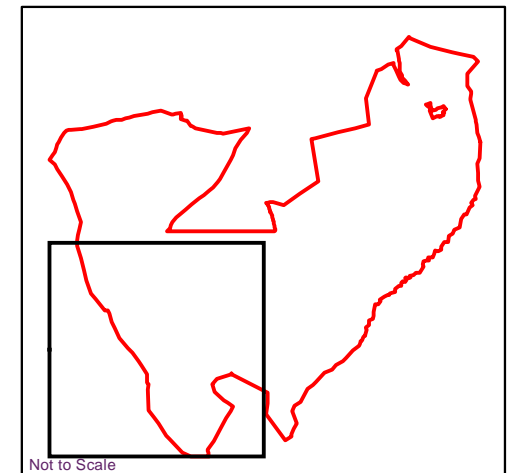
amec  
foster  
wheeler

**Figure 6.2**  
Aerial Photography



Key

- Application boundary
- ▲ Turbine locations
- ⊕ Permanent meteorological masts

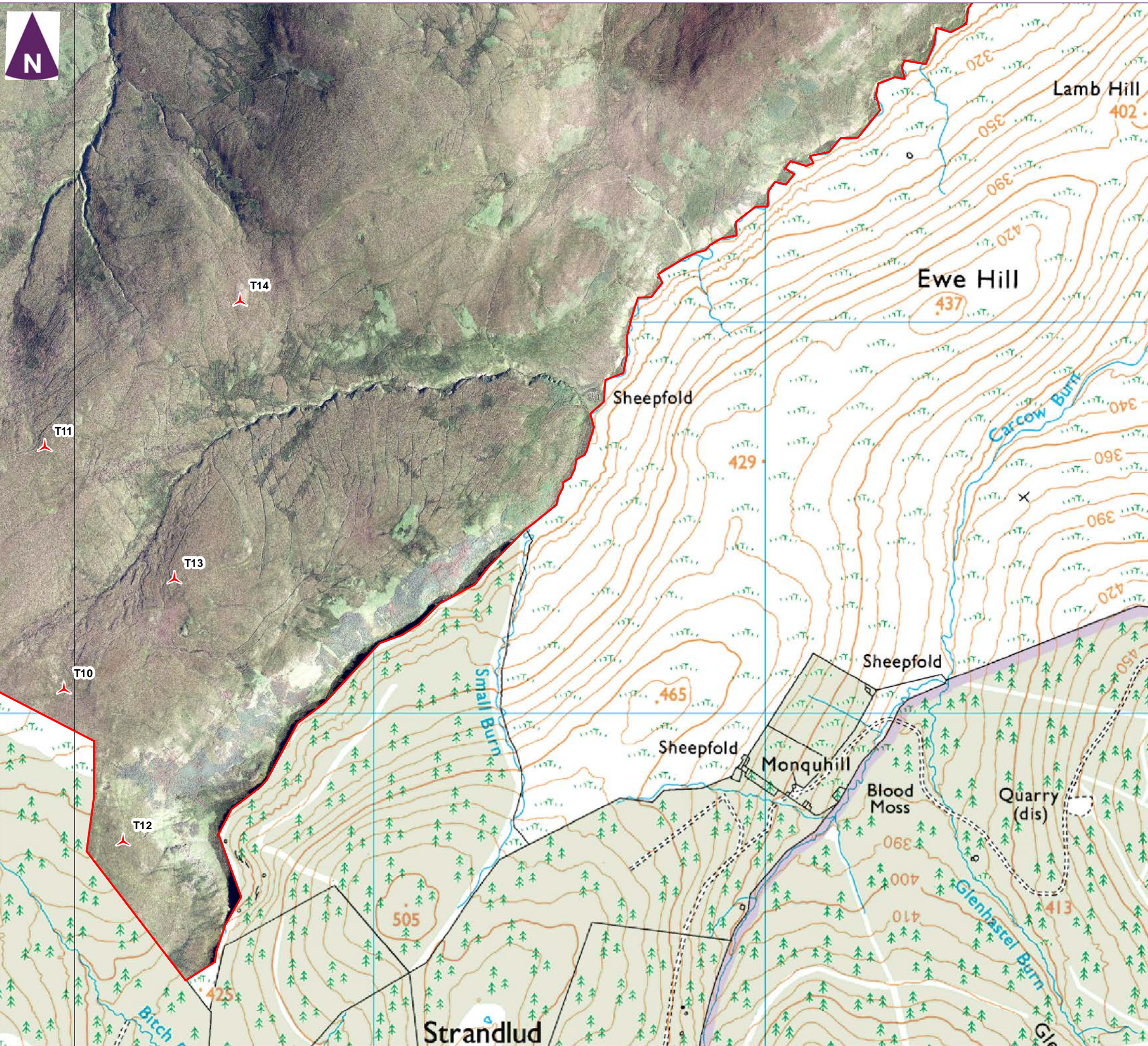


Enoch Hill Wind Farm  
Peatside Hazard and Risk  
Assessment

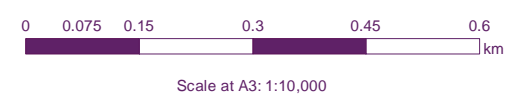
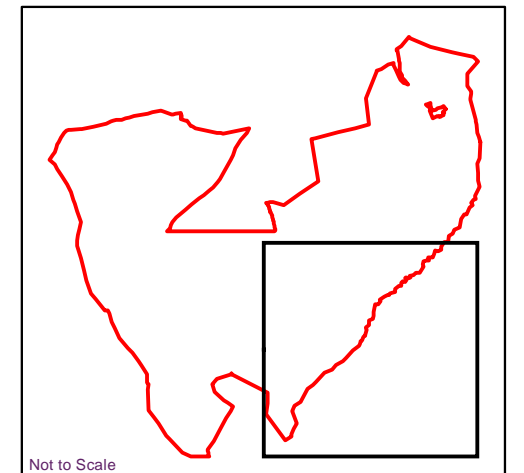
amec  
foster  
wheeler

**Figure 6.3**  
Aerial Photography

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- Key
- Application boundary
  - ▲ Turbine locations
  - ⊕ Permanent meteorological masts

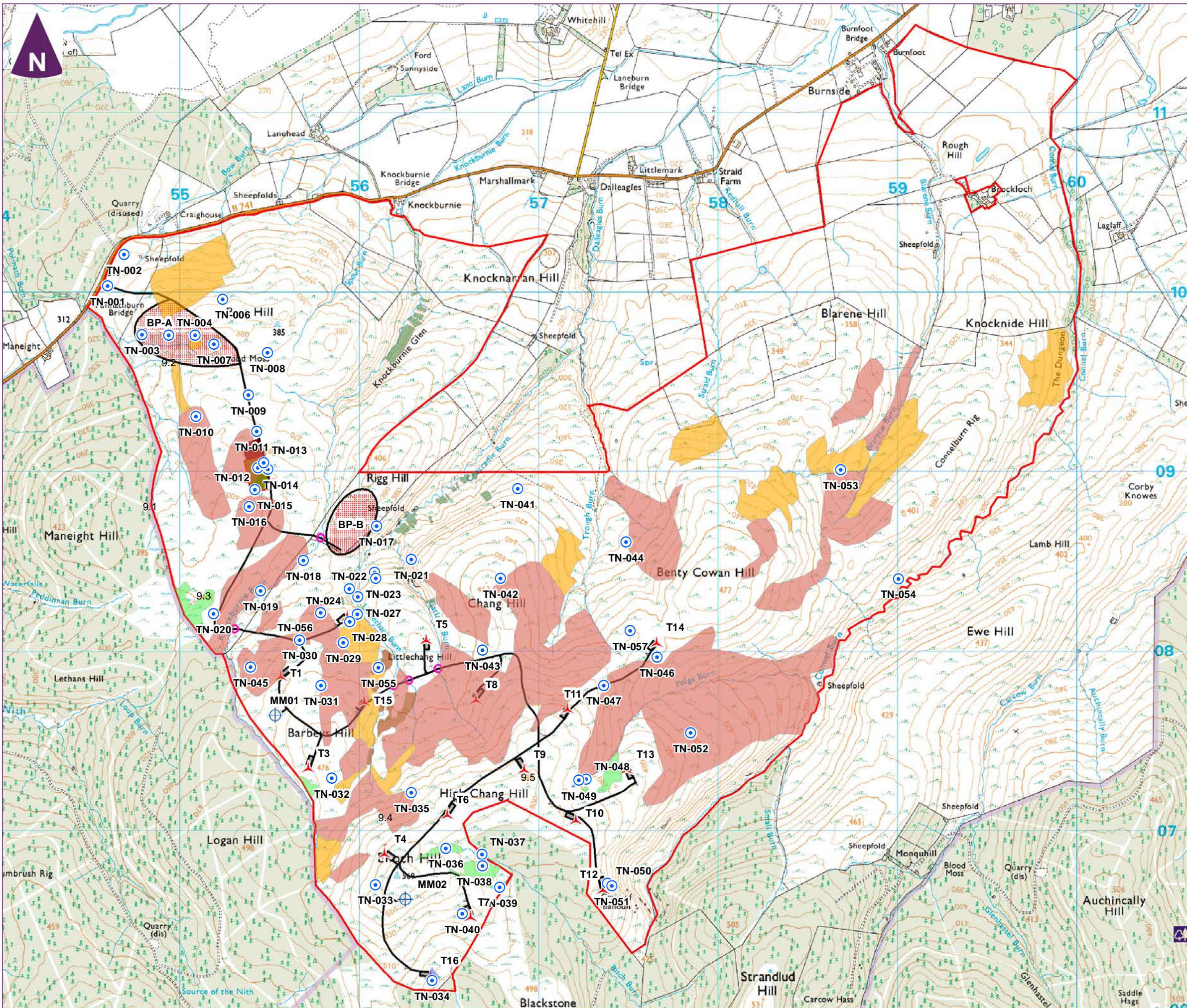


Enoch Hill Wind Farm  
Peatside Hazard and Risk  
Assessment



**Figure 6.4**  
Aerial Photography

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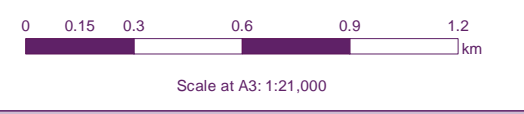
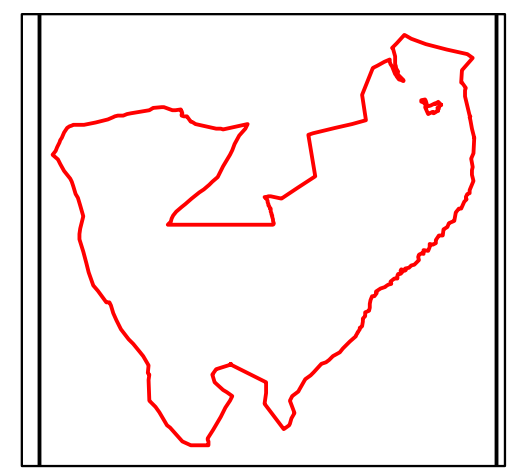


**Key**

- Application boundary
- Turbine locations
- Watercourse crossings
- Permanent meteorological masts
- Proposed on site tracks
- Borrow pit search areas
- Turning head
- Temporary construction compound
- SPEN & EON substation compound
- Crane pads

**Geomorphology Features**

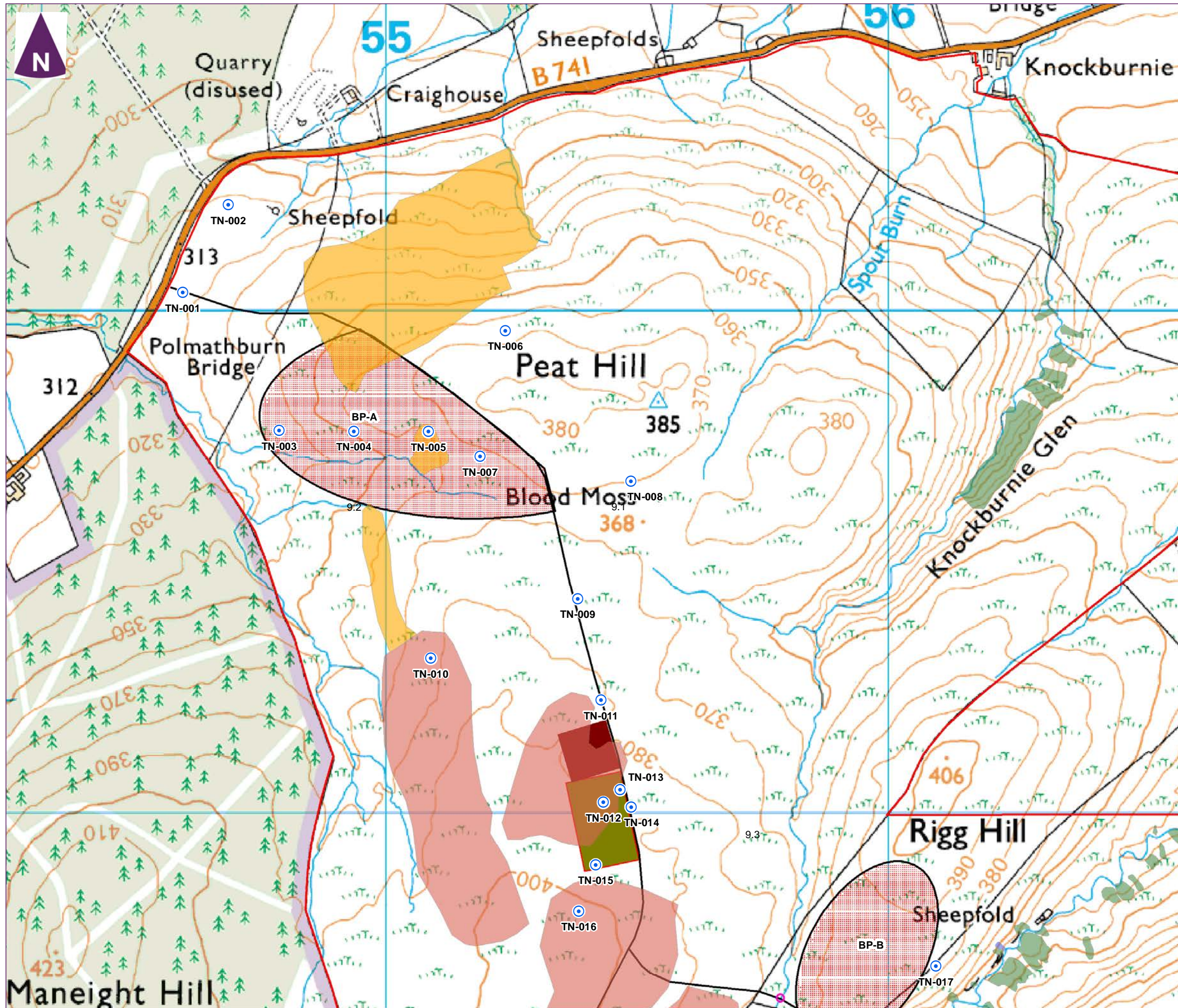
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- Flushes and Haggings
- Gripping (high intensity)
- Gripping (low intensity)
- Haggings
- Peatside
- Slope Creep
- Tranlational Mineral Soil Slide
- Target Notes (see Appendix C)



**Enoch Hill Wind Farm  
Peatside Hazard and Risk  
Assessment**

**Figure 7.1  
Geomorphology Map**

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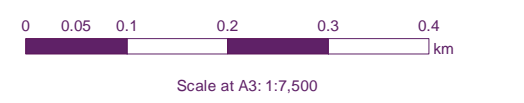
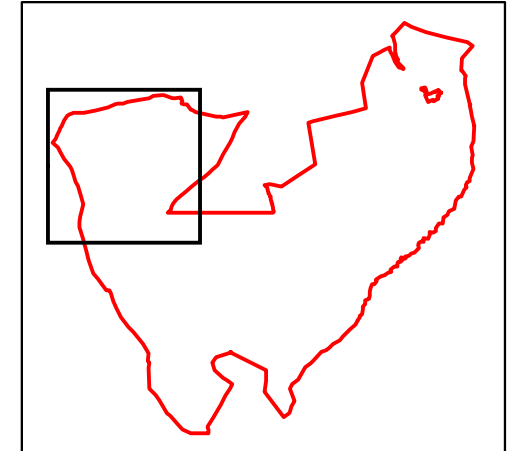


**Key**

- Application boundary
- ▲ Turbine locations
- Watercourse crossings
- ⊕ Permanent meteorological masts
- Proposed on site tracks
- Borrow pit search areas
- Turning head
- Temporary construction compound
- SPEN & EON substation compound
- Crane pads

**Geomorphology Features**

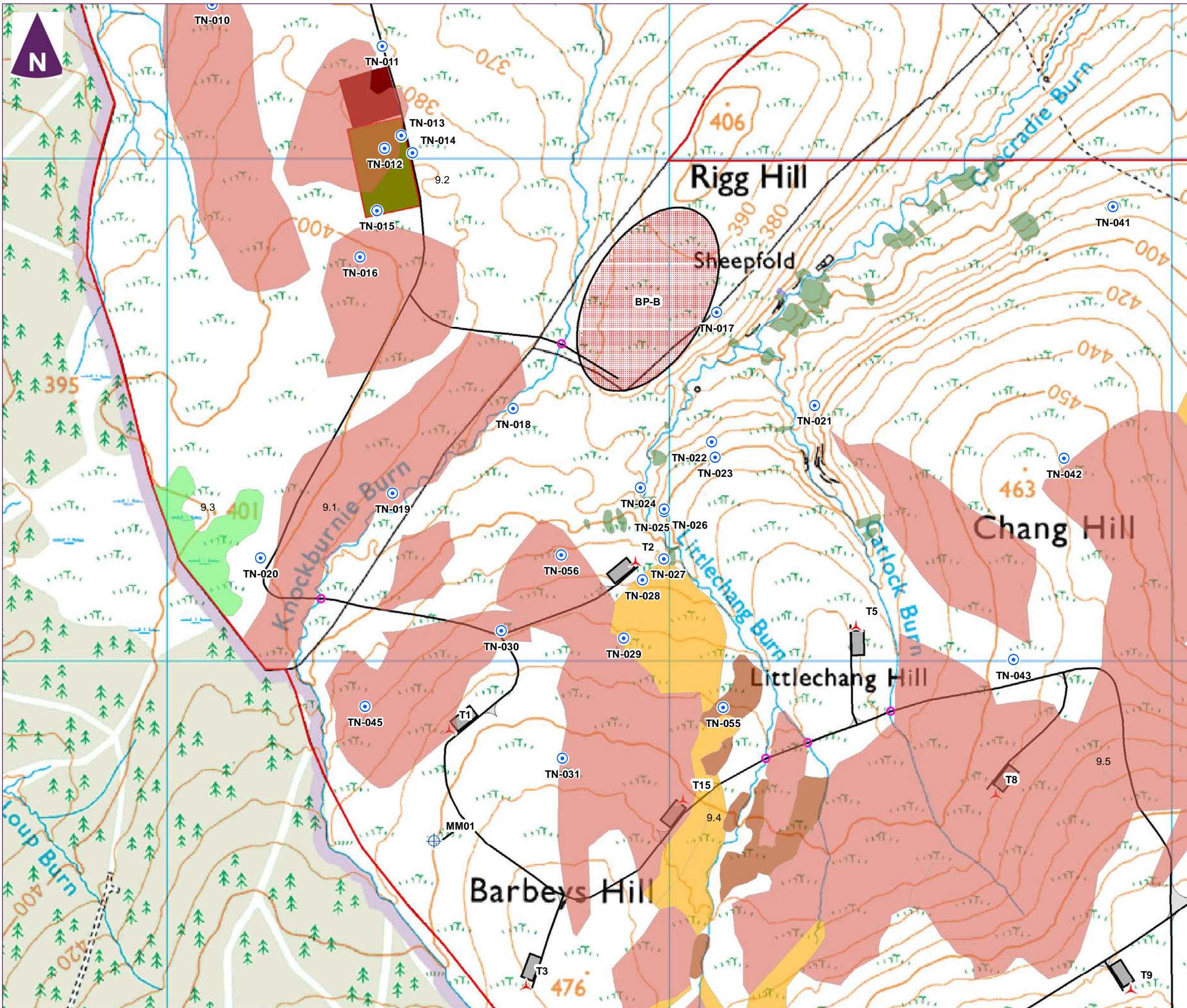
- Flushes
- Flushes and Haggings
- Gripping (high intensity)
- Gripping (low intensity)
- Haggings
- Peatslide
- Slope Creep
- Translational Mineral Soil Slide
- ⊕ Target Notes (see Appendix C)



Enoch Hill Wind Farm  
Peatslide Hazard and Risk  
Assessment

**Figure 7.2**  
**Geomorphology Map**

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**Key**

- Application boundary
- Turbine locations
- Watercourse crossings
- Permanent meteorological masts
- Proposed on site tracks
- Borrow pit search areas
- Turning head
- Temporary construction compound
- SPEN & EON substation compound
- Crane pads

**Geomorphology Features**

- Flushes
- Flushes and Haggings
- Gripping (high intensity)
- Gripping (low intensity)
- Haggings
- Peatslide
- Slope Creep
- Tranlational Mineral Soil Slide
- Target Notes (see Appendix C)

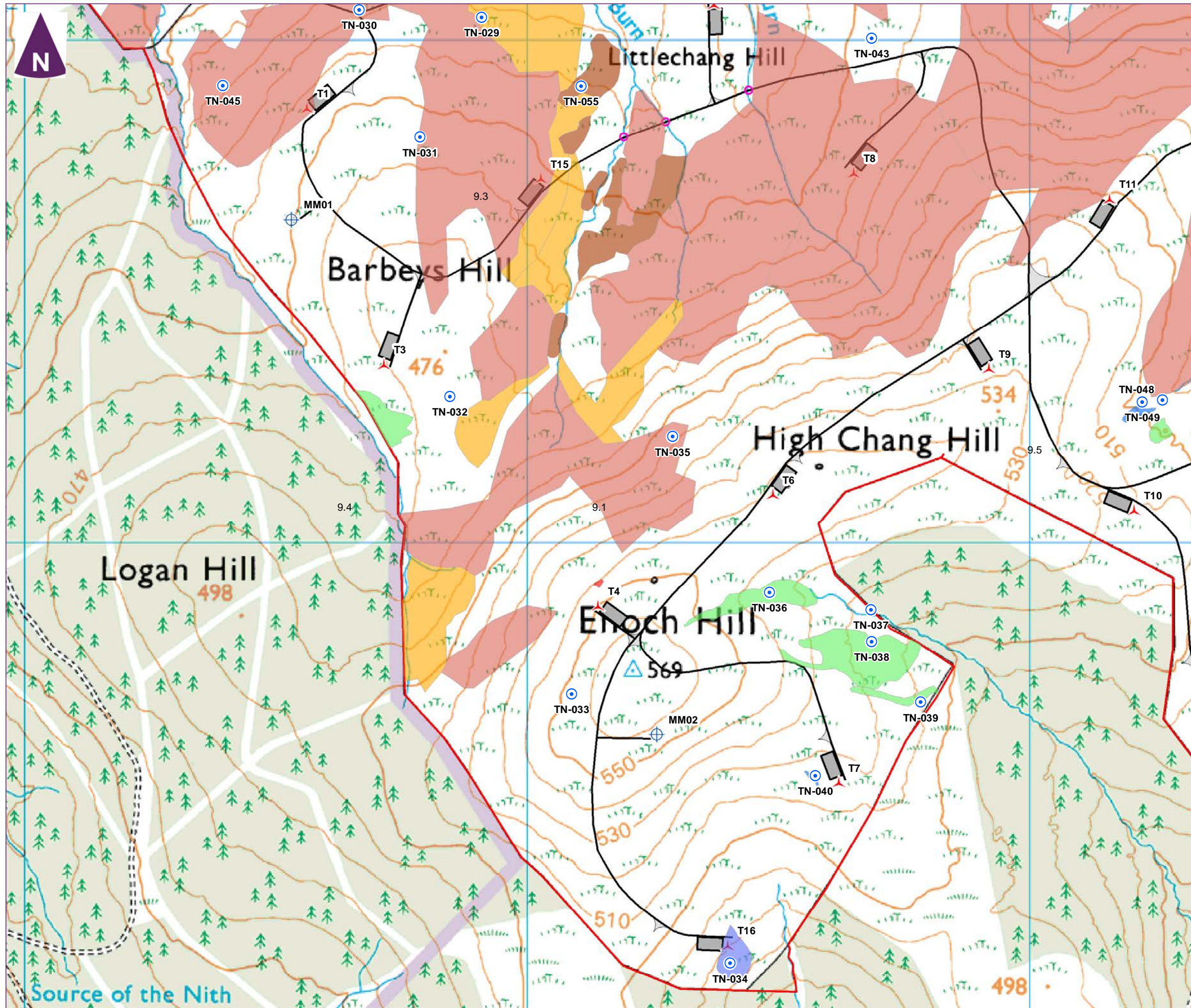
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Enoch Hill Wind Farm  
Peatslide Hazard and Risk  
Assessment

**Figure 7.3  
Geomorphology Map**

September 2016 32965-Gla371b.mxd amab

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**Key**

- Application boundary
- ▲ Turbine locations
- Watercourse crossings
- ⊕ Permanent meteorological masts
- Proposed on site tracks
- Borrow pit search areas
- Turning head
- Temporary construction compound
- SPEN & EON substation compound
- Crane pads

**Geomorphology Features**

- Flushes
- Flushes and Haggings
- Gribbing (high intensity)
- Gribbing (low intensity)
- Haggings
- Peatslide
- Slope Creep
- Translational Mineral Soil Slide
- ⊕ Target Notes (see Appendix C)

0 0.05 0.1 0.2 0.3 0.4 km

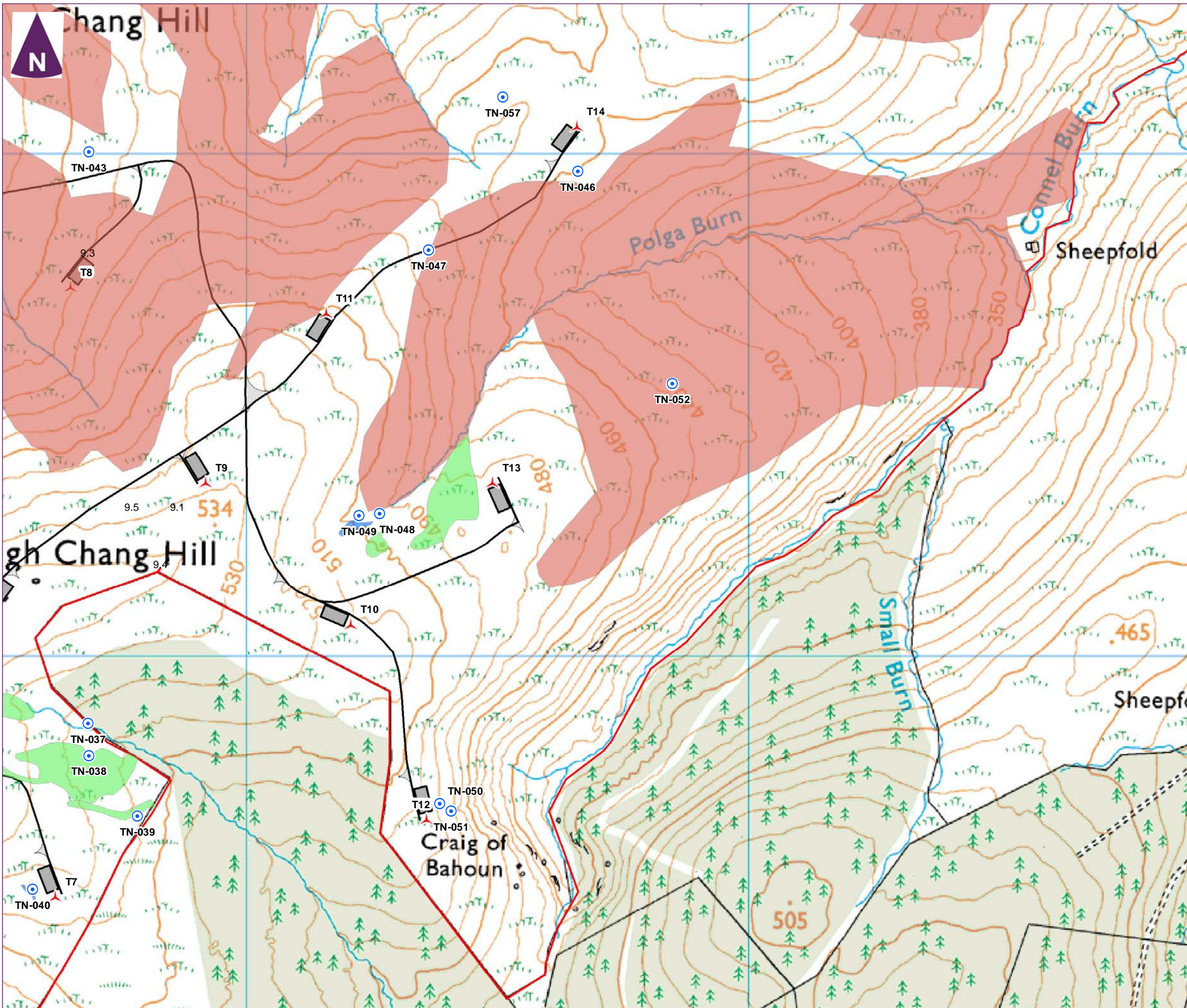
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Enoch Hill Wind Farm  
Peatslide Hazard and Risk  
Assessment

**Figure 7.4**  
**Geomorphology Map**

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Based on the Ordnance Survey Map with the permission of the Controller of Her Majesty's Stationery Office. © Crown Copyright. 100027856.

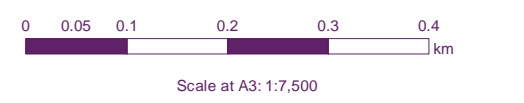
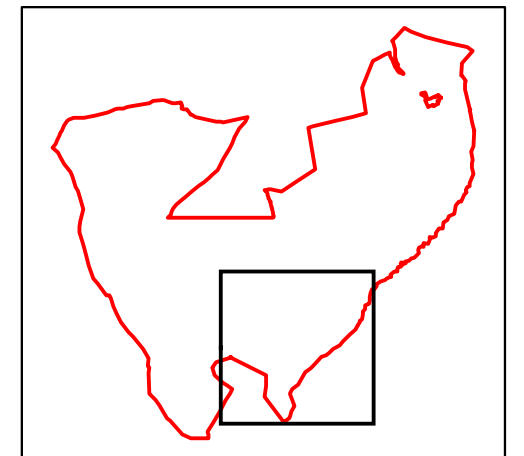


**Key**

- Application boundary
- ▲ Turbine locations
- Watercourse crossings
- ⊕ Permanent meteorological masts
- Proposed on site tracks
- Borrow pit search areas
- Turning head
- Temporary construction compound
- SPEN & EON substation compound
- Crane pads

**Geomorphology Features**

- Flashes
- Flashes and Haggings
- Gripping (high intensity)
- Gripping (low intensity)
- Haggings
- Peatslide
- Slope Creep
- Translational Mineral Soil Slide
- ⊙ Target Notes (see Appendix C)



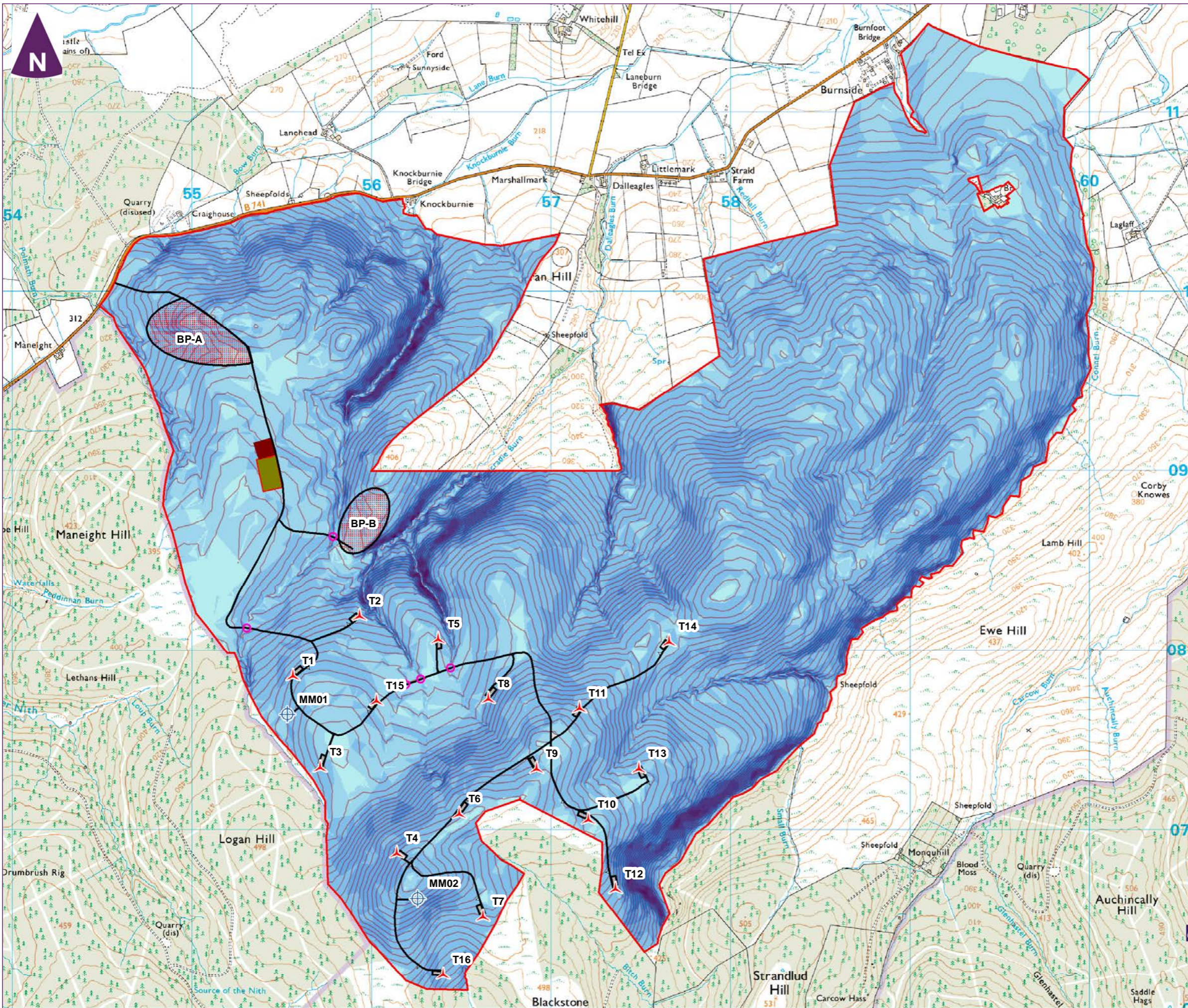
Enoch Hill Wind Farm  
Peatside Hazard and Risk  
Assessment



**Figure 7.5**  
**Geomorphology Map**

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**Key**

- Application boundary
- ▲ Turbine locations
- Watercourse crossings
- ⊕ Permanent meteorological masts
- Proposed on site tracks
- Borrow pit search areas
- Turning head
- Temporary construction compound
- SPEN & EON substation compound
- Crane pads

**Slope Angle (degrees)**

- 0 - 2
- 2 - 5
- 5 - 10
- 10 - 15
- 15 - 20
- 20 - 25
- 25 - 30
- 30 - 35
- 35 - 40
- 40 - 45
- 45 - 50

5m Elevation Contours

0 0.15 0.3 0.6 0.9 1.2 km

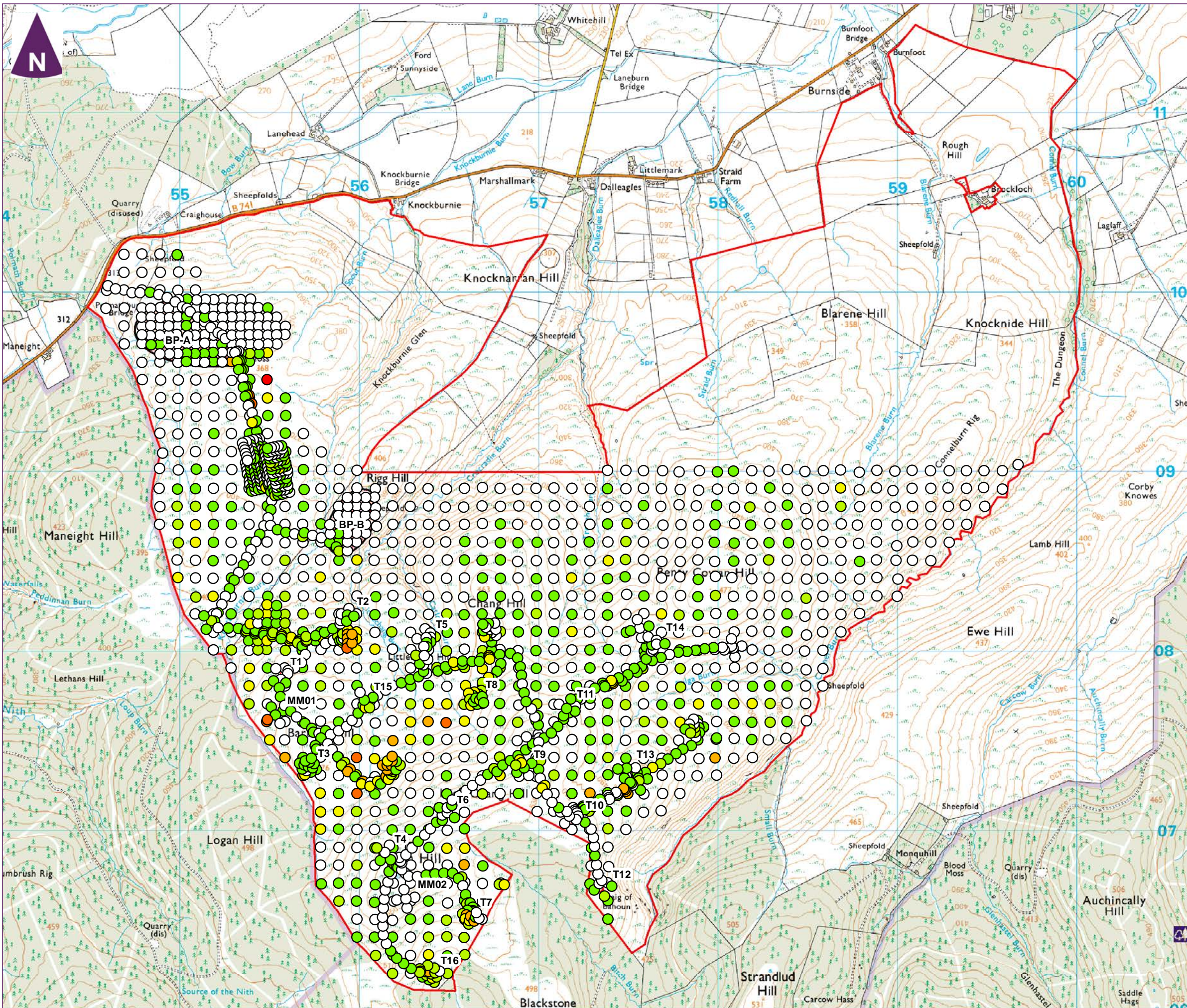
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**Enoch Hill Wind Farm  
Peatside Hazard and Risk  
Assessment**



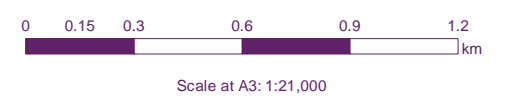
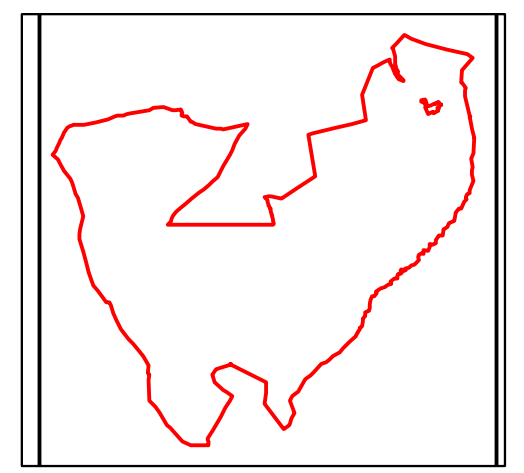
**Figure 8  
OS Terrain 5 Digital Terrain Model**

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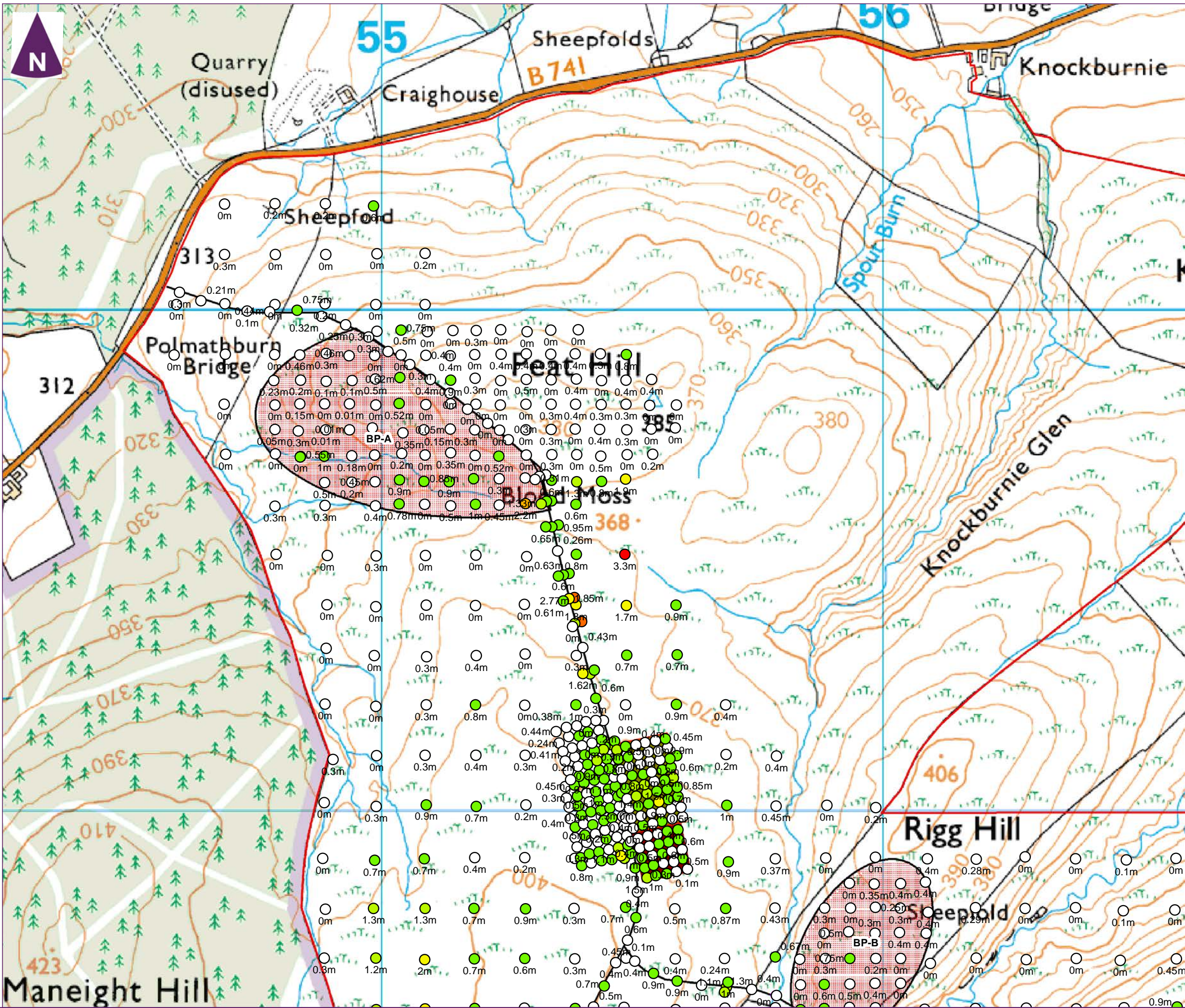
- Key
- Application boundary
  - ▲ Turbine locations
  - Watercourse crossings
  - ⊕ Permanent meteorological masts
  - Proposed on site tracks
  - Borrow pit search areas
  - Turning head
  - Temporary construction compound
  - SPEN & EON substation compound
  - Crane pads

- All Peat Depth Data (m)**
- 0.00 - 0.50
  - 0.50 - 1.00
  - 1.00 - 1.50
  - 1.50 - 2.00
  - 2.00 - 2.50
  - 2.50 - 3.00
  - 3.00 - 3.50



**Figure 9.1**  
Peat Depth Survey Data

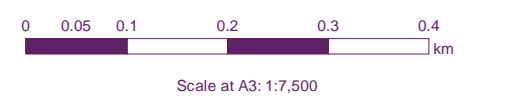
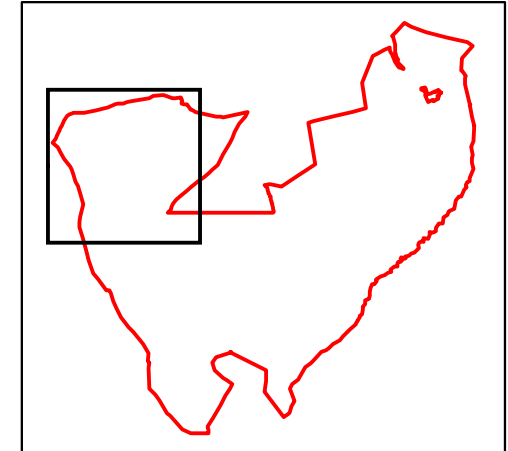
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- Key
- Application boundary
  - ▲ Turbine locations
  - Watercourse crossings
  - ⊕ Permanent meteorological masts
  - Proposed on site tracks
  - Borrow pit search areas
  - Turning head
  - Temporary construction compound
  - SPEN & EON substation compound
  - Crane pads

**All Peat Depth Data (m)**

- 0.00 - 0.50
- 0.50 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- 2.00 - 2.50
- 2.50 - 3.00
- 3.00 - 3.50

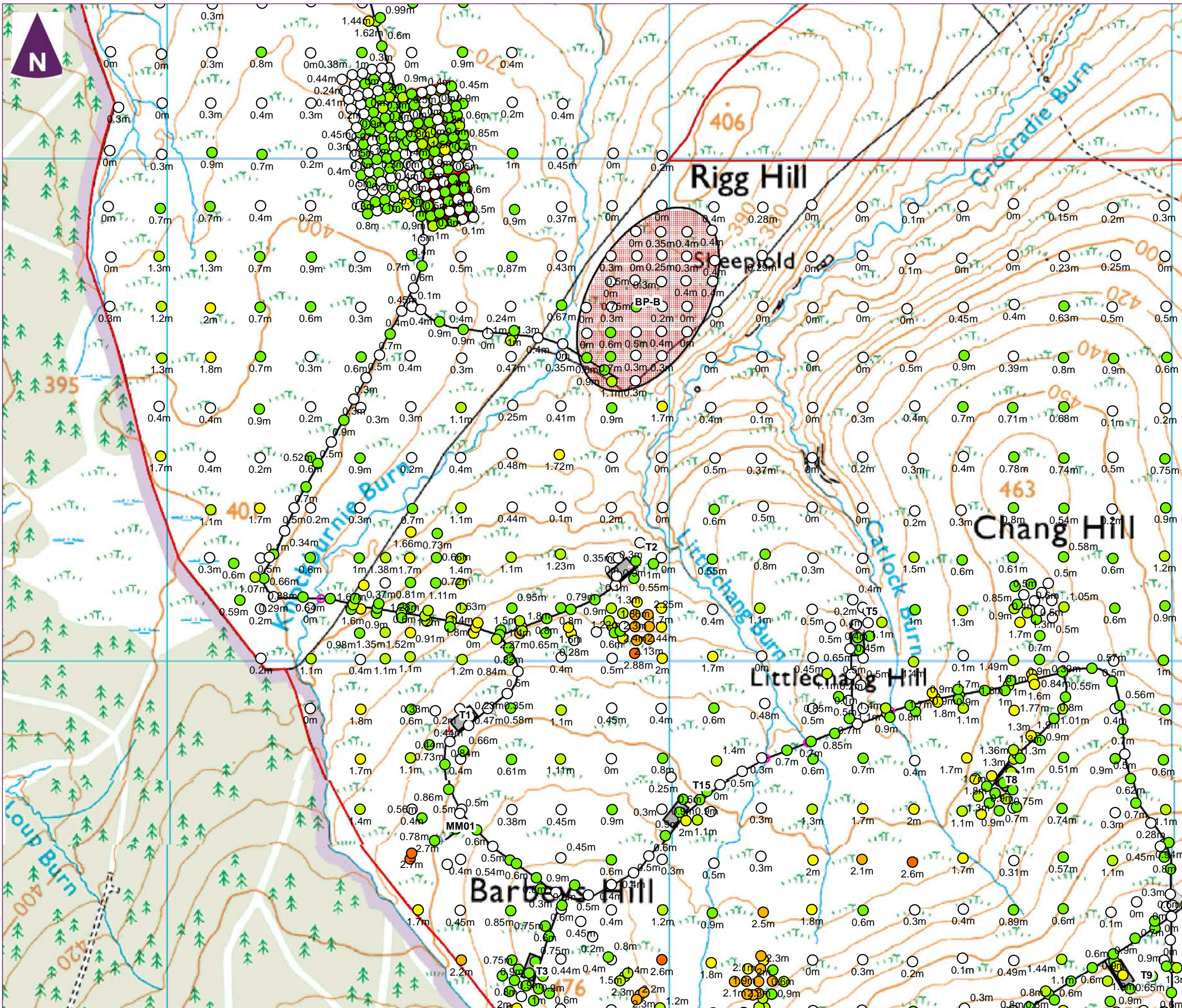


Enoch Hill Wind Farm  
Peatside Hazard and Risk  
Assessment



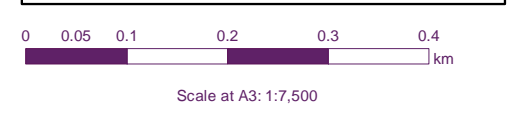
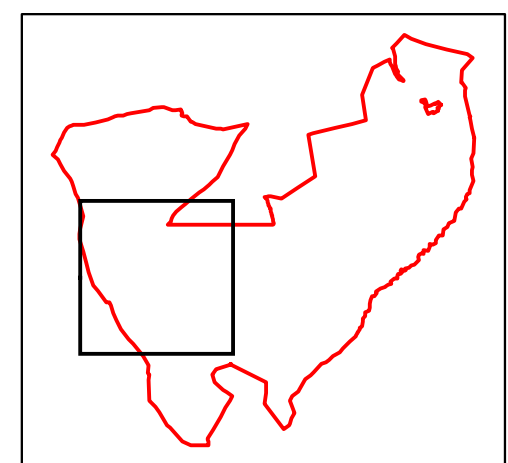
**Figure 9.2**  
Peat Depth Survey Data

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- Key
- Application boundary
  - ▲ Turbine locations
  - Watercourse crossings
  - ⊕ Permanent meteorological masts
  - Proposed on site tracks
  - Borrow pit search areas
  - Turning head
  - Temporary construction compound
  - SPEN & EON substation compound
  - Crane pads

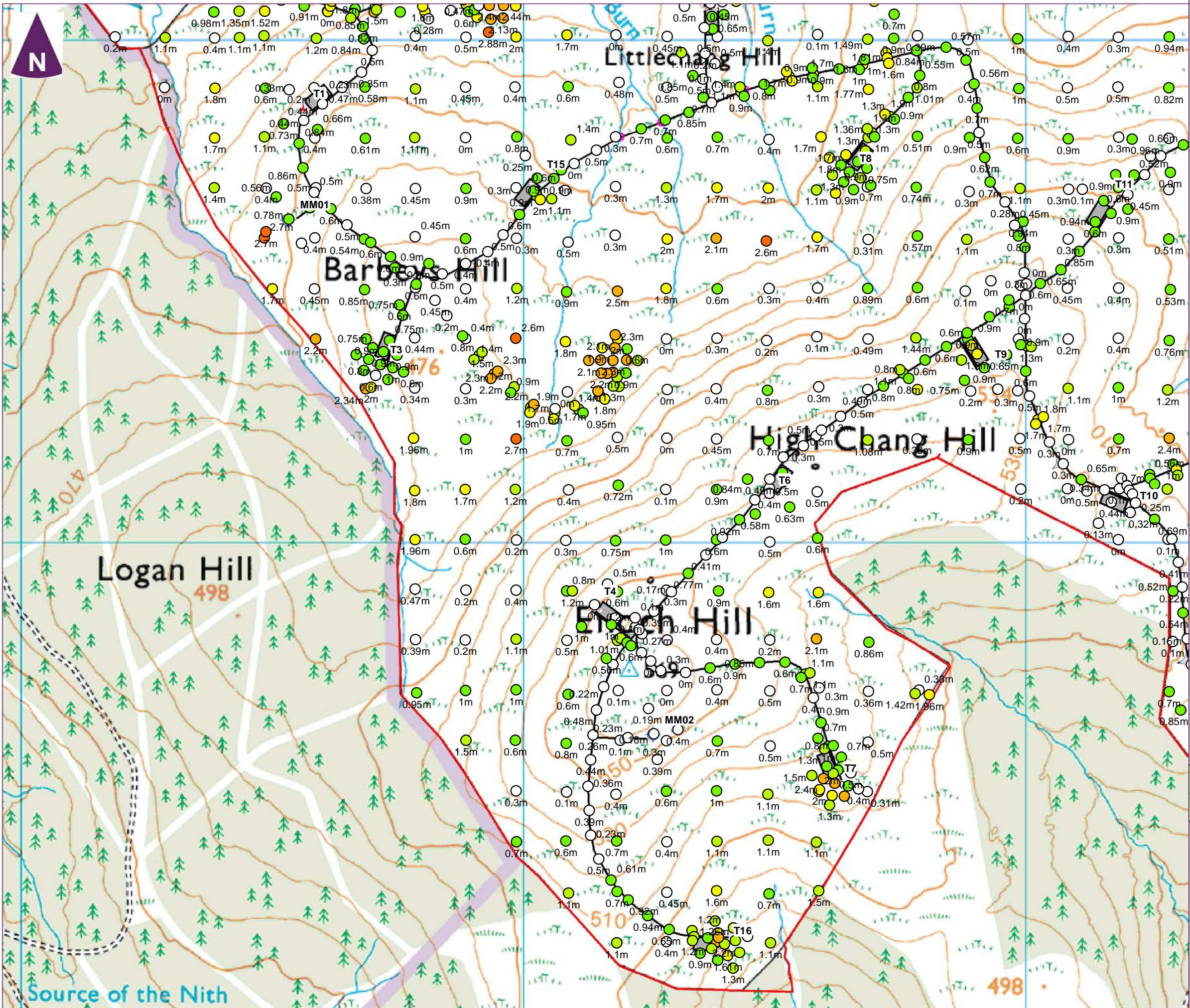
- All Peat Depth Data (m)**
- 0.00 - 0.50
  - 0.50 - 1.00
  - 1.00 - 1.50
  - 1.50 - 2.00
  - 2.00 - 2.50
  - 2.50 - 3.00
  - 3.00 - 3.50



Enoch Hill Wind Farm  
Peatside Hazard and Risk  
Assessment

**Figure 9.3**  
Peat Depth Survey Data

file: \\G:\MIDATA\PROJECT\32965 Enoch Hill Wind Farm EIA\_SUB\040 Design\ARC\Peat\SPRA\32965-Gla360a.mxd

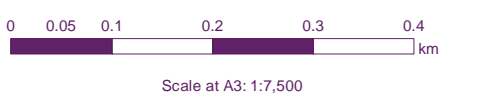
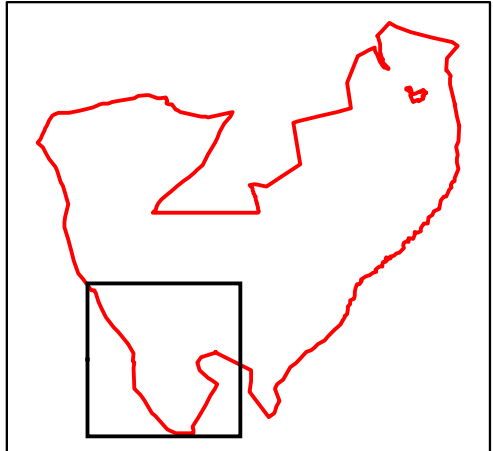


**Key**

- Application boundary
- ▲ Turbine locations
- Watercourse crossings
- ⊕ Permanent meteorological masts
- Proposed on site tracks
- Borrow pit search areas
- Turning head
- Temporary construction compound
- SPEN & EON substation compound
- Crane pads

**All Peat Depth Data (m)**

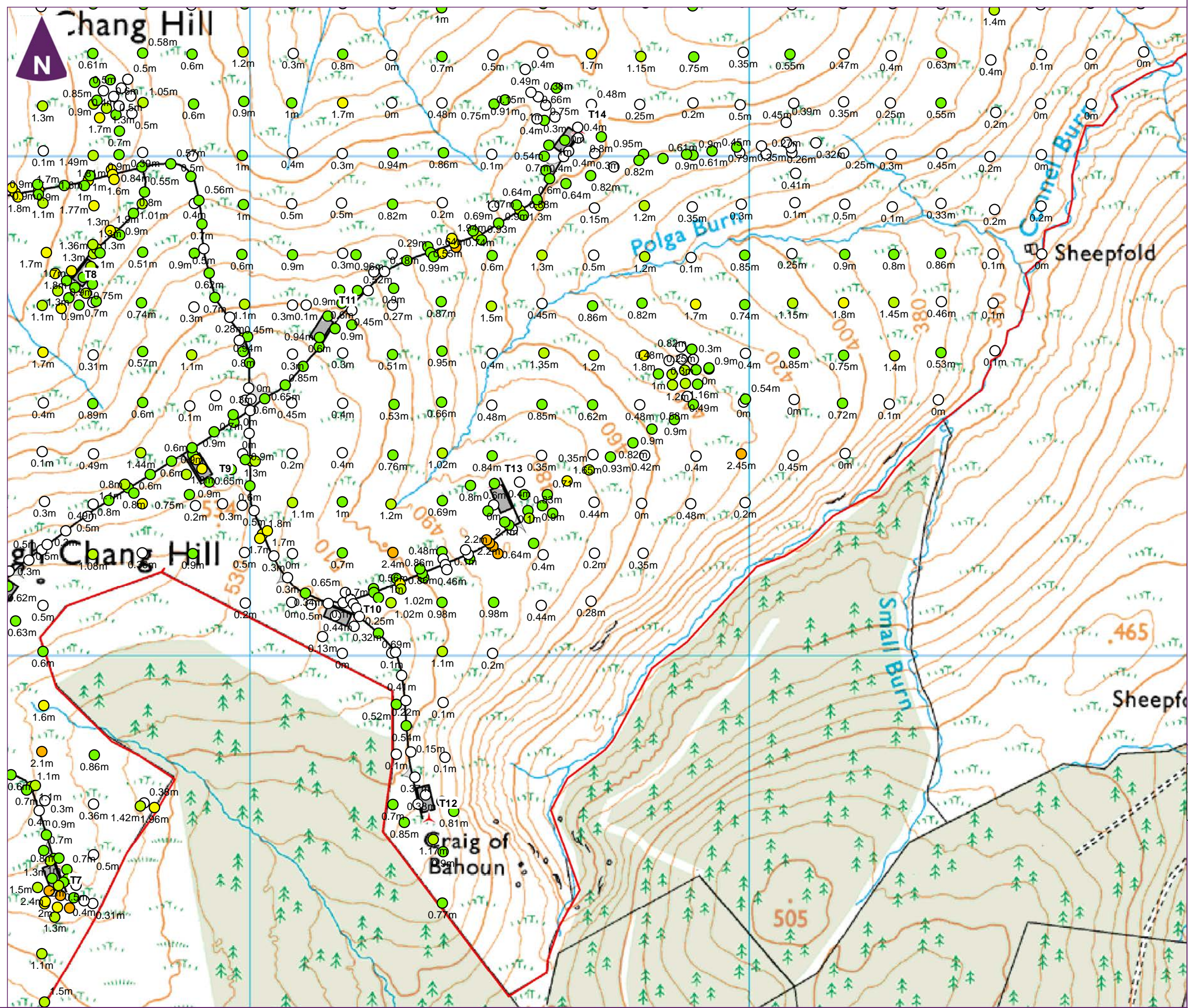
- 0.00 - 0.50
- 0.50 - 1.00
- 1.00 - 1.50
- 1.50 - 2.00
- 2.00 - 2.50
- 2.50 - 3.00
- 3.00 - 3.50



Enoch Hill Wind Farm  
Peatside Hazard and Risk  
Assessment

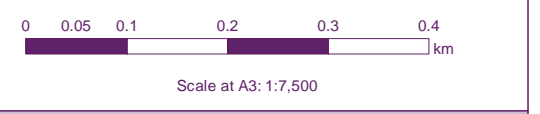
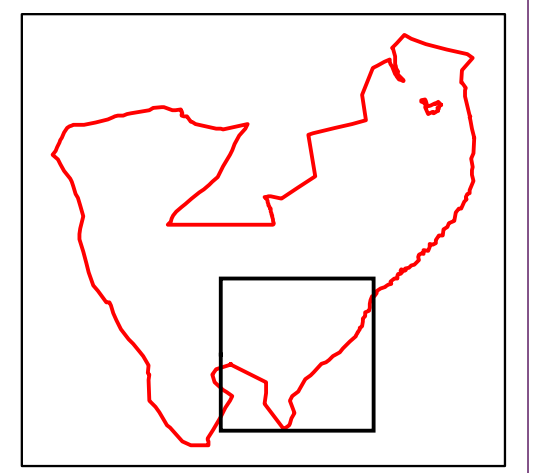
**Figure 9.4**  
Peat Depth Survey Data

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- Key
- Application boundary
  - ▲ Turbine locations
  - Watercourse crossings
  - ⊕ Permanent meteorological masts
  - Proposed on site tracks
  - Borrow pit search areas
  - Turning head
  - Temporary construction compound
  - SPEN & EON substation compound
  - Crane pads

- All Peat Depth Data (m)**
- 0.00 - 0.50
  - 0.50 - 1.00
  - 1.00 - 1.50
  - 1.50 - 2.00
  - 2.00 - 2.50
  - 2.50 - 3.00
  - 3.00 - 3.50



Enoch Hill Wind Farm  
Peatside Hazard and Risk  
Assessment



**Figure 9.5**  
Peat Depth Survey Data

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