

120000

130000

140000

860000

850000

840000

11223.00001.0277.0 Figure 10.1.1 Site Location



LEGEND

Application Site Boundary



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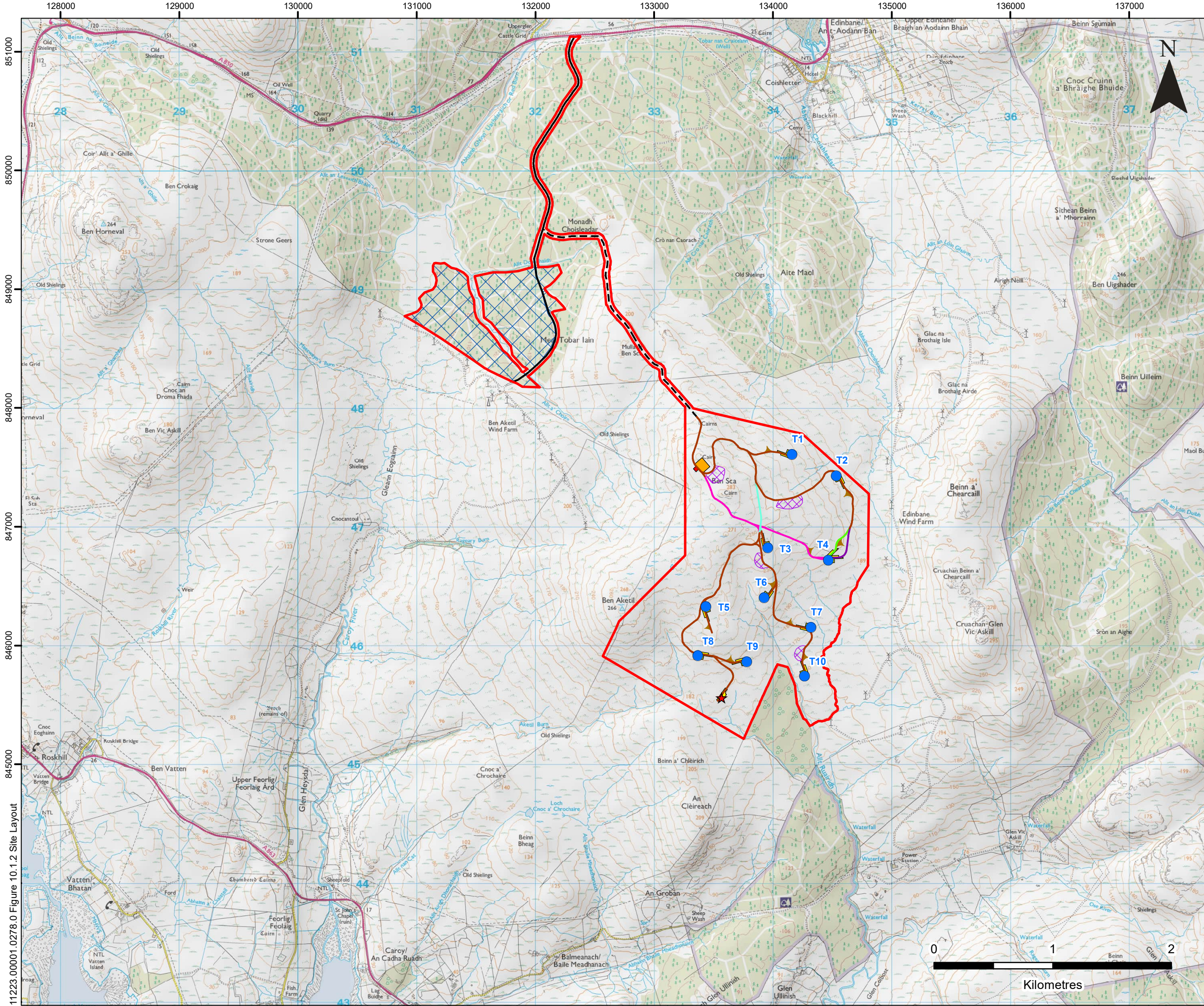
TA 10.1 – PLHRA

SITE LOCATION

FIGURE 10.1.1

Scale 1:100,000 @ A3 Date JULY 2023





LEGEND

- Application Site Boundary
- Proposed Turbine Location
- ★ Proposed Permanent Met Mast
- Proposed Crane Hardstanding
- Proposed Construction Compound
- Proposed Substation
- Proposed Turning Head
- Potential Borrow Pit
- Proposed Habitat Management Area
- Existing Access Track
- Consented Access Track

Proposed Track Alignment

- Proposed
- Proposed Option A
- Proposed Option A1
- Proposed Option A2
- Proposed Option B



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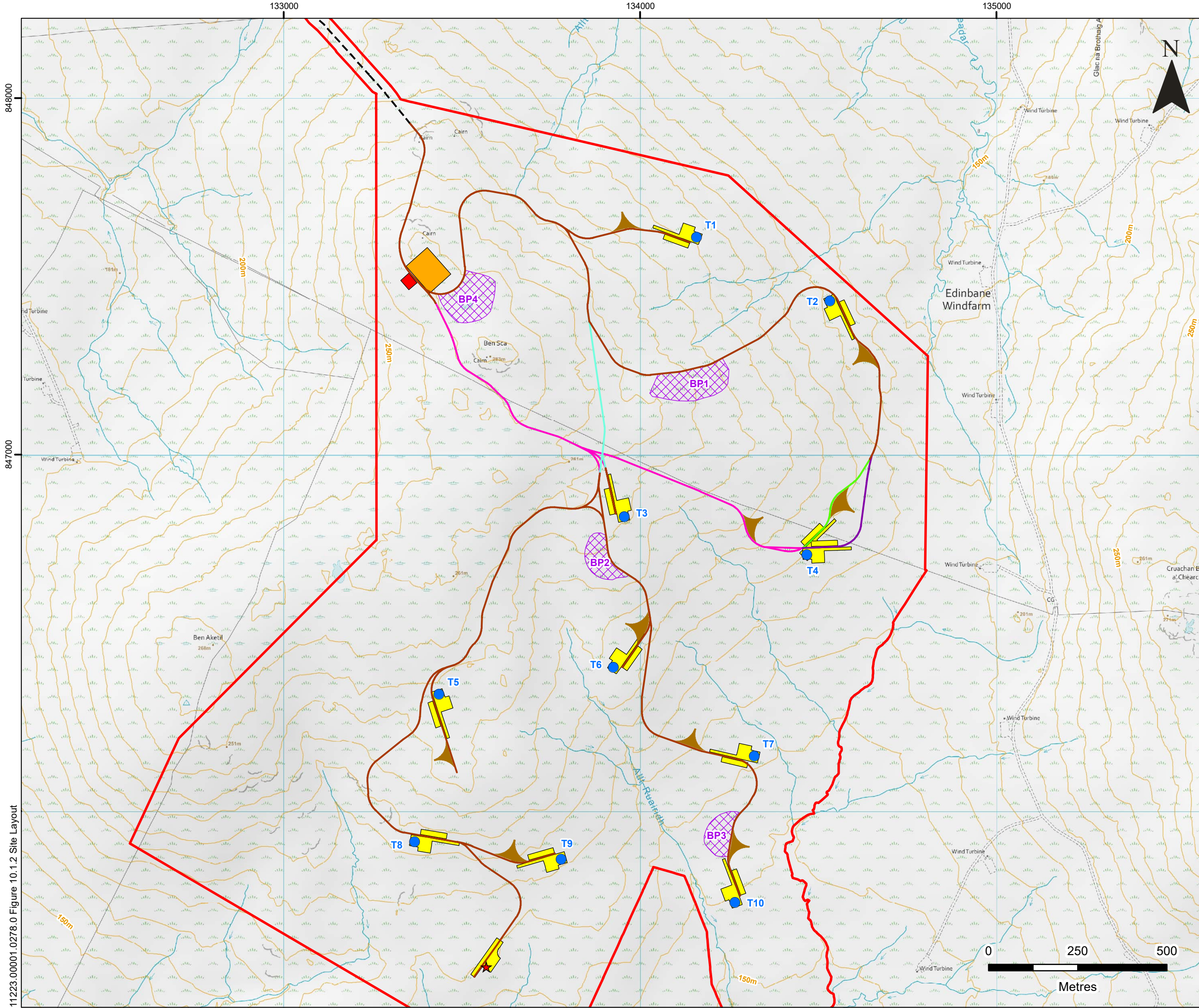
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TA 10.1 – PLHRA
SITE LAYOUT
FIGURE 10.1.2a

Scale 1:30,000 @ A3 Date JULY 2023



11223-00001-0278-0 Figure 10.1.2 Site Layout

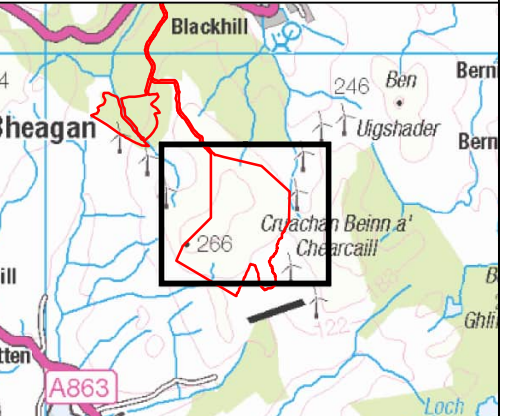


LEGEND

- Application Site Boundary
- Proposed Turbine Location
- ★ Proposed Permanent Met Mast
- Proposed Crane Hardstanding
- Proposed Construction Compound
- Proposed Substation
- Proposed Turning Head
- Potential Borrow Pit
- Consented Access Track

Proposed Track Alignment

- Proposed
- Proposed Option A
- Proposed Option A1
- Proposed Option A2
- Proposed Option B



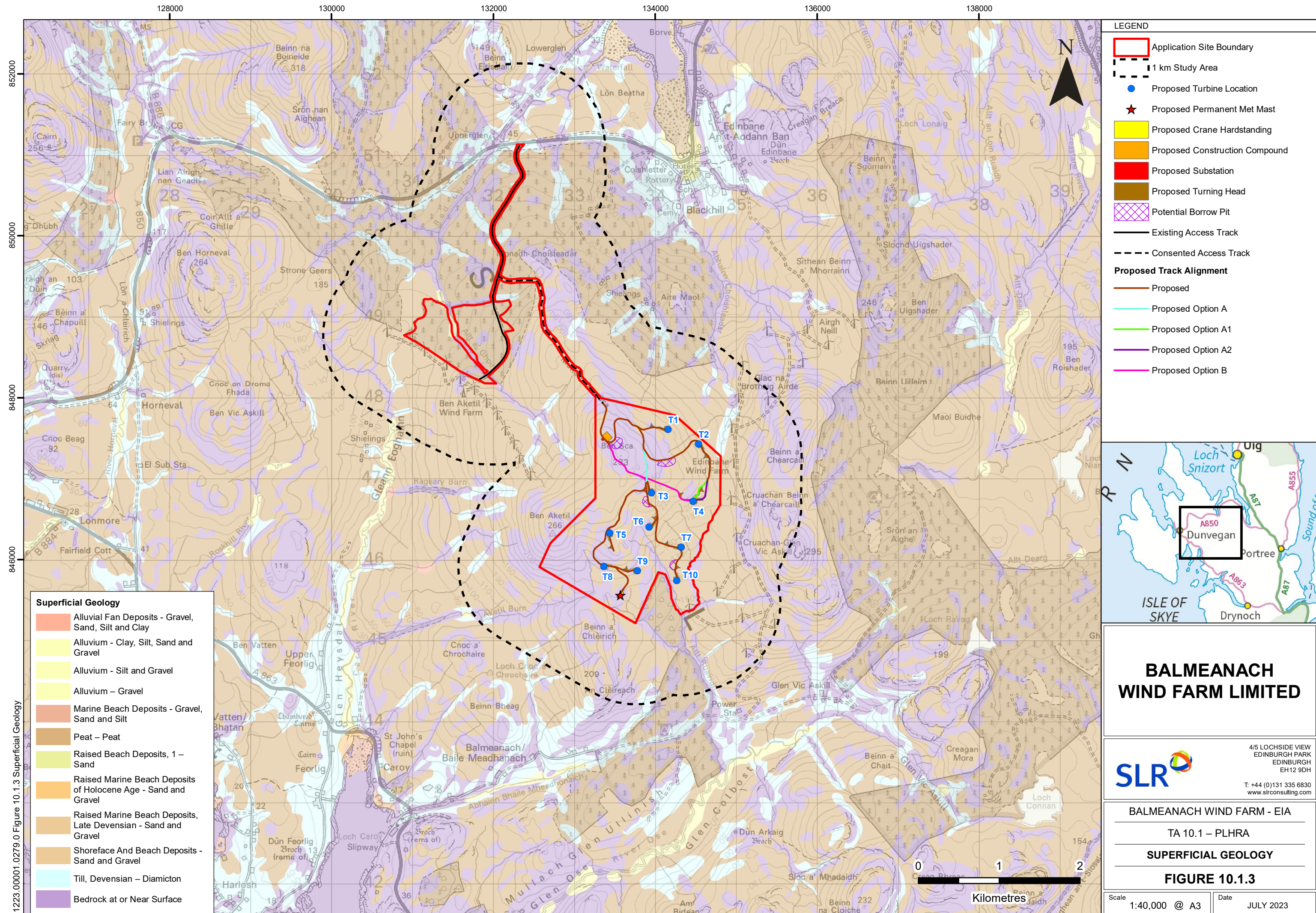
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BALMEANACH WIND FARM - EIA
TA 10.1 – PLHRA
SITE LAYOUT
FIGURE 10.1.2b

Scale 1:10,000 @ A3 Date JULY 2023

11223.00001.0278.0 Figure 10.1.2 Site Layout



11223.00001.0279.0 Figure 10.1.3 Superficial Geology

LEGEND

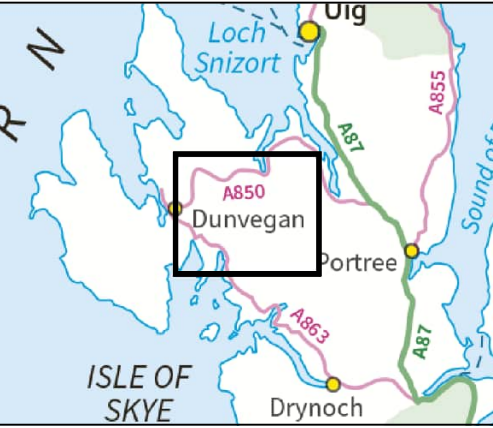
- Application Site Boundary
- 1 km Study Area
- Proposed Turbine Location
- ★ Proposed Permanent Met Mast
- Proposed Crane Hardstanding
- Proposed Construction Compound
- Proposed Substation
- Proposed Turning Head
- Potential Borrow Pit
- Existing Access Track
- Consented Access Track

Proposed Track Alignment

- Proposed
- Proposed Option A
- Proposed Option A1
- Proposed Option A2
- Proposed Option B

Superficial Geology

- Alluvial Fan Deposits - Gravel, Sand, Silt and Clay
- Alluvium - Clay, Silt, Sand and Gravel
- Alluvium - Silt and Gravel
- Alluvium - Gravel
- Marine Beach Deposits - Gravel, Sand and Silt
- Peat - Peat
- Raised Beach Deposits, 1 - Sand
- Raised Marine Beach Deposits of Holocene Age - Sand and Gravel
- Raised Marine Beach Deposits, Late Devensian - Sand and Gravel
- Shoreface And Beach Deposits - Sand and Gravel
- Till, Devensian - Diamicton
- Bedrock at or Near Surface

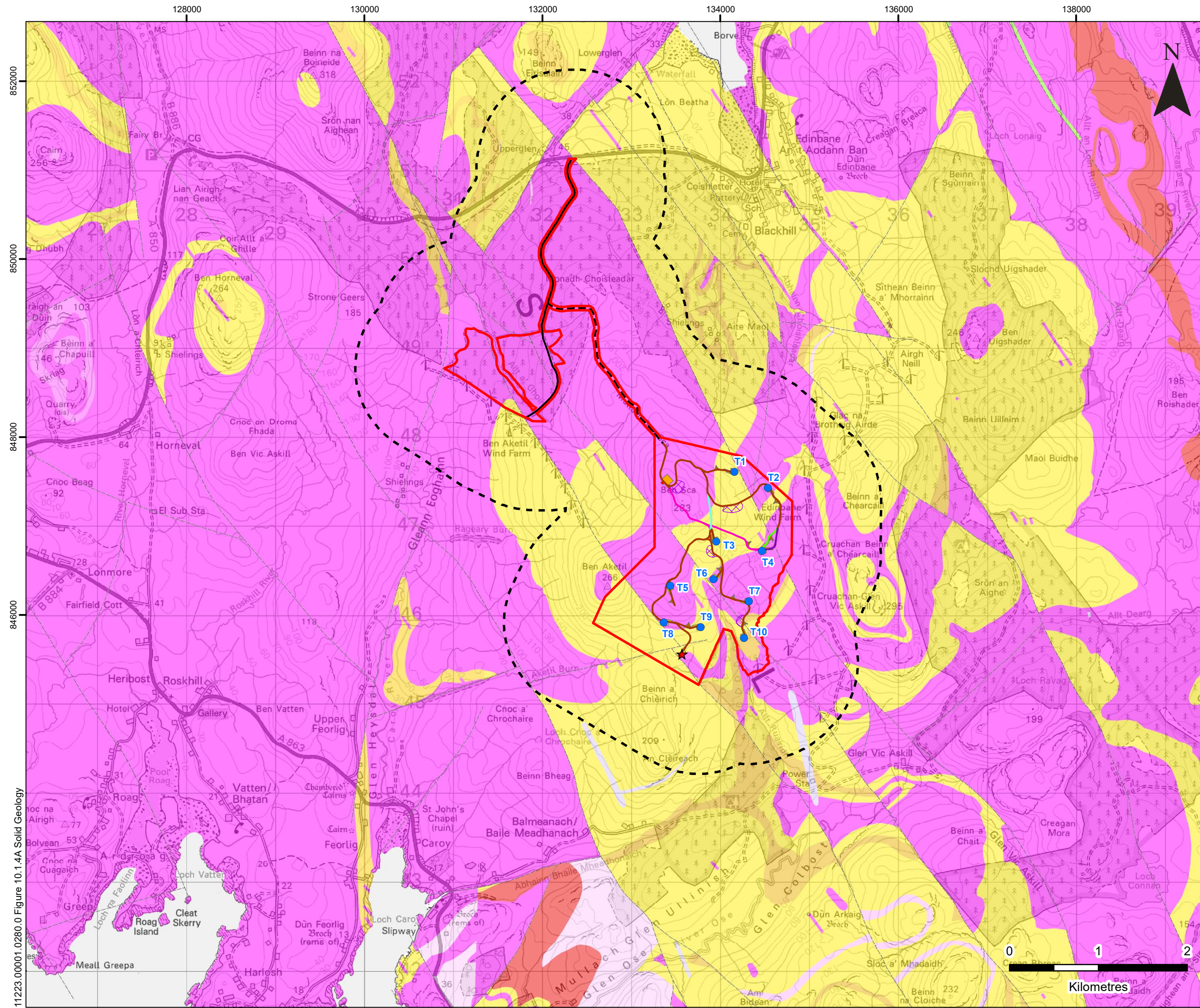


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TA 10.1 - PLHRA
SUPERFICIAL GEOLOGY
FIGURE 10.1.3

Scale: 1:40,000 @ A3 Date: JULY 2023



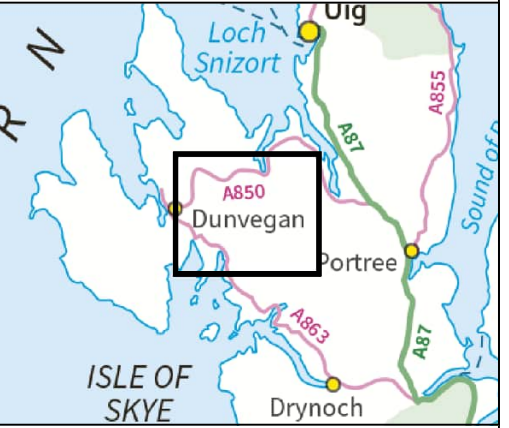
LEGEND

- Application Site Boundary
- 1 km Study Area
- Proposed Turbine Location
- ★ Proposed Permanent Met Mast
- Proposed Crane Hardstanding
- Proposed Construction Compound
- Proposed Substation
- Proposed Turning Head
- Potential Borrow Pit
- Existing Access Track
- Consented Access Track

Proposed Track Alignment

- Proposed
- Proposed Option A
- Proposed Option A1
- Proposed Option A2
- Proposed Option B

Geology Legend in Drawing 11223.00001.0281.0



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TA 10.1 – PLHRA

SOLID GEOLOGY

FIGURE 10.1.4A











Scale: 1:40,000 @ A3 Date: JULY 2023

11223.00001.0280.0 Figure 10.1.4A Solid Geology

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Legend

Bedrock Geology

-  North Britain Palaeogene Dyke Suite - Basalt and Microgabbro
-  North Britain Palaeogene Dyke Suite - Hawaiite and Mugarite
-  North Britain Palaeogene Dyke Suite - Olivine-Basalt
-  North Britain Palaeogene Dyke Suite - Troctolite, Bytownite
-  North Britain Palaeogene Dyke Suite - Gabbro
-  North Britain Palaeogene Dyke Suite - Picrite
-  Skye Lava Group - Basalt and Microgabbro
-  Skye Lava Group - Basalt, Hawaiite and Mugarite
-  Skye Lava Group - Feldspar-Phyric Hawaiite and Mugarite
-  Skye Lava Group - Hawaiite and Mugarite
-  Skye Lava Group - Mugarite, Feldspar-Phyric
-  Skye Lava Group - Pyroclastic-Rock
-  Skye Lava Group - Pyroclastic-Rock, Basaltic
-  Skye Lava Group - Benmoreite
-  Skye Lava Group - Hawaiite
-  Skye Lava Group - Trachyte

PALAEOGENE

Linear Geology

-  Fault, Inferred, Displacement Unknown

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TA 10.1 – PLHRA

SOLID GEOLOGY LEGEND

FIGURE 10.1.4B

Date
JULY 2023

130000

132000

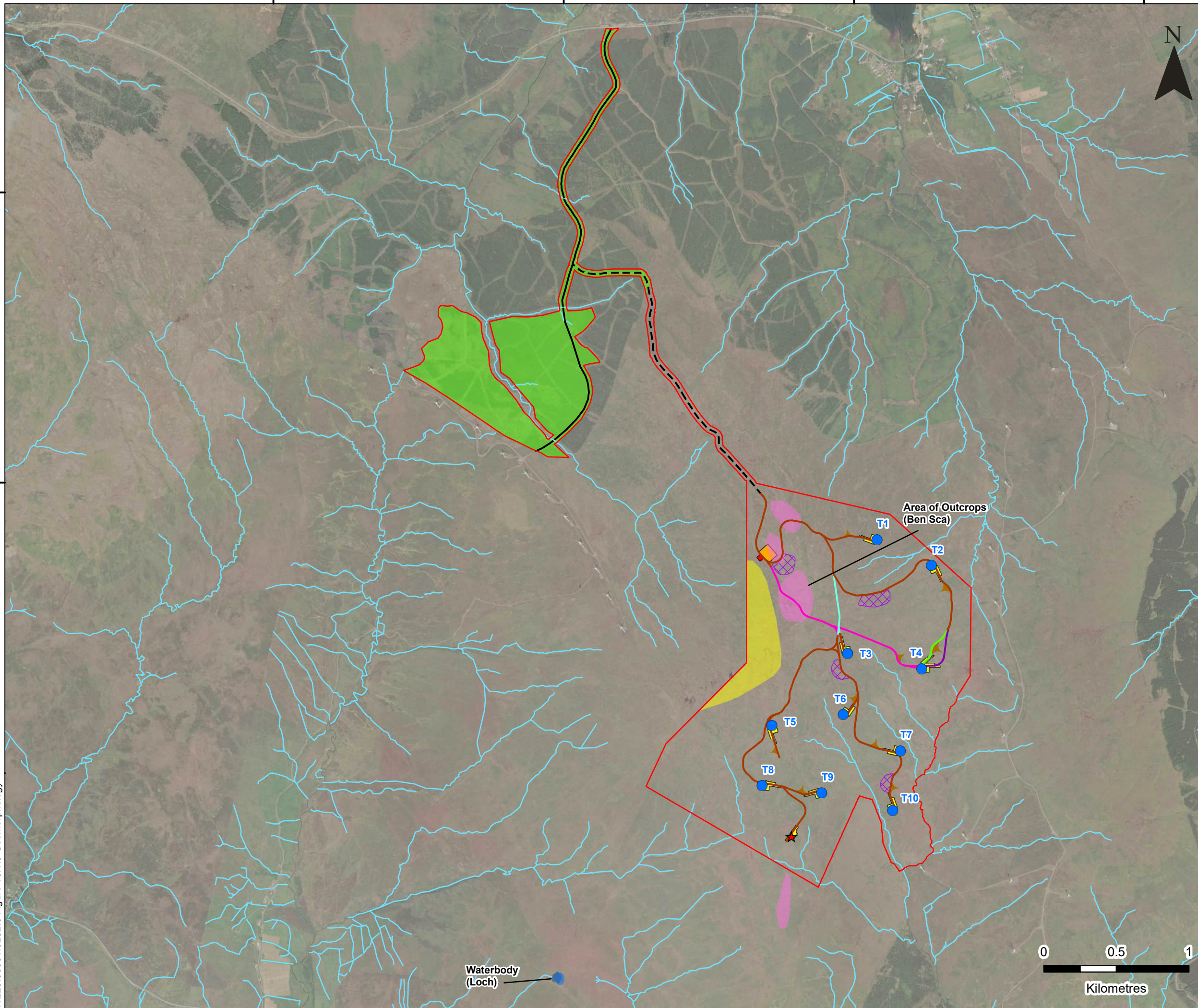
134000

136000

850000

848000

11223.00001.0282.0 Figure 10.1.5 Geomorphology



LEGEND

- Application Site Boundary
- Proposed Turbine Location
- ★ Proposed Permanent Met Mast
- Proposed Crane Hardstanding
- Proposed Construction Compound
- Proposed Substation
- Proposed Turning Head
- Potential Borrow Pit
- Existing Access Track
- Consented Access Track

Proposed Track Alignment

- Proposed
- Proposed Option A
- Proposed Option A1
- Proposed Option A2
- Proposed Option B

Geomorphology

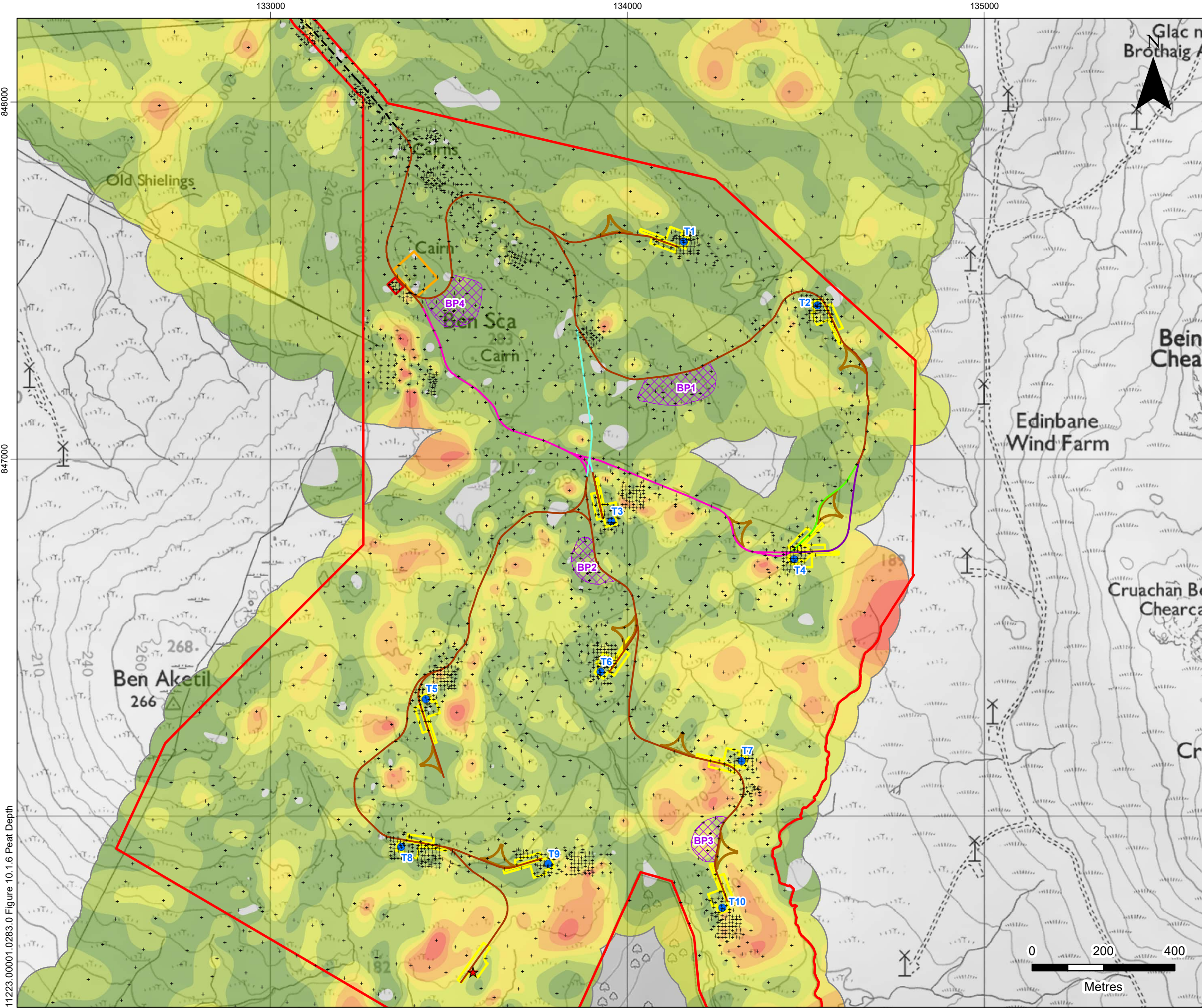
- Forestry
- Peat Haggings
- Rock Outcrop
- Waterbody
- Watercourse

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 TA 10.1 – PLHRA
GEOMORPHOLOGY
FIGURE 10.1.5

Scale 1:25,000 @ A3	Date JULY 2023
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LEGEND

- Application Site Boundary
- Proposed Turbine Location
- ★ Proposed Permanent Met Mast
- Proposed Crane Hardstanding
- Proposed Construction Compound
- Proposed Substation
- Proposed Turning Head
- Potential Borrow Pit
- Existing Access Track
- Consented Access Track

Proposed Track Alignment

- Proposed
- Proposed Option A
- Proposed Option A1
- Proposed Option A2
- Proposed Option B

Peat Depth (m)

- 0
- 0 - 0.5
- 0.5 - 1
- 1 - 1.5
- 1.5 - 2
- 2 - 2.5
- 2.5 - 3
- > 3

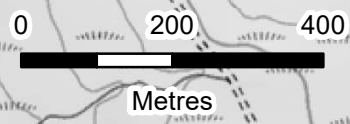
+ Peat Probe Location

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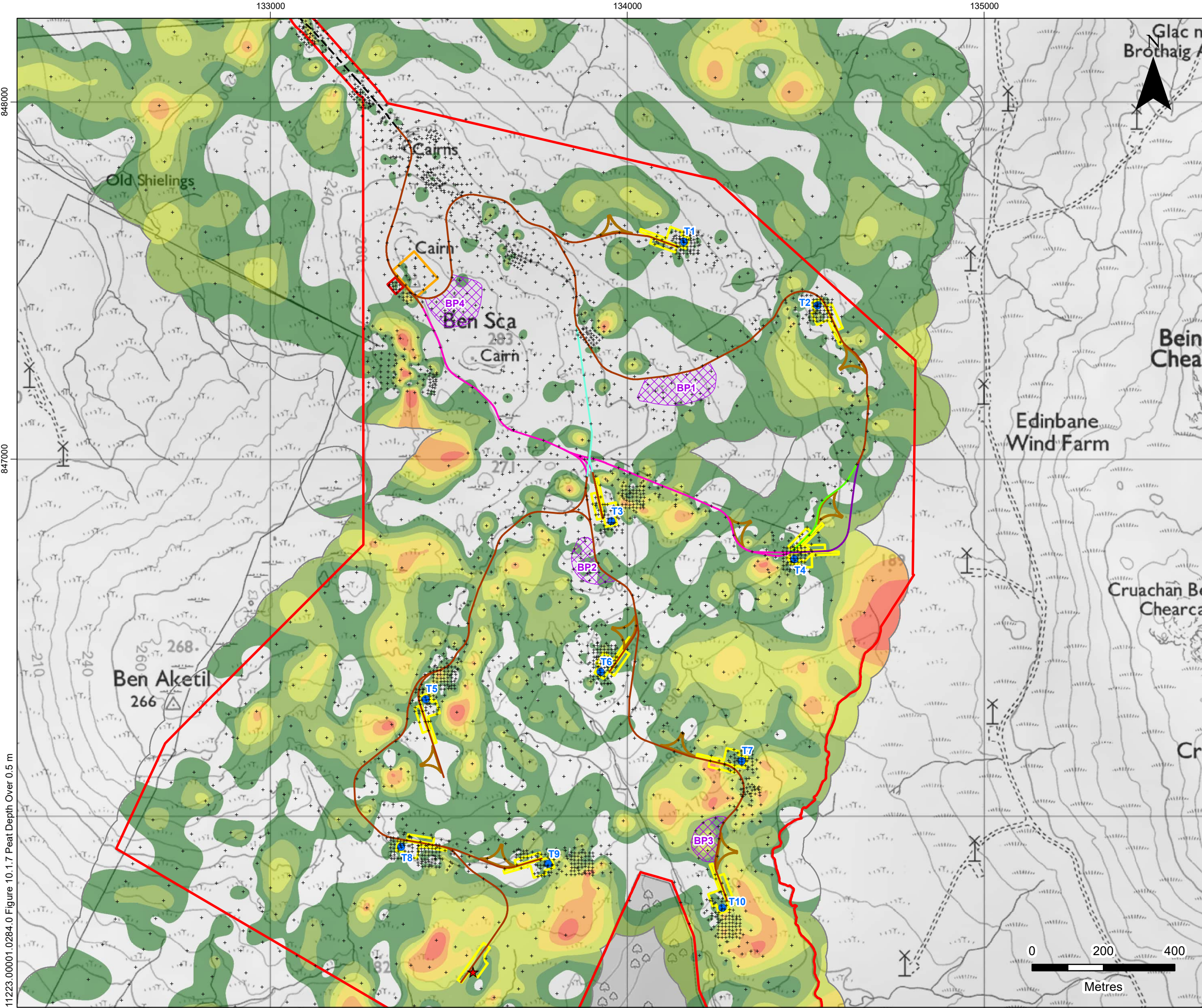
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TA 10.1 – PLHRA
PEAT DEPTH
FIGURE 10.1.6

Scale 1:10,000 @ A3 Date JULY 2023



11223.00001.0283.0 Figure 10.1.6 Peat Depth



LEGEND

- Application Site Boundary
- Proposed Turbine Location
- ★ Proposed Permanent Met Mast
- Proposed Crane Hardstanding
- Proposed Construction Compound
- Proposed Substation
- Proposed Turning Head
- Potential Borrow Pit
- Existing Access Track
- Consented Access Track

Proposed Track Alignment

- Proposed
- Proposed Option A
- Proposed Option A1
- Proposed Option A2
- Proposed Option B

+ Peat Probe Location

Peat Depth (m)

- 0.5 - 1
- 1 - 1.5
- 1.5 - 2
- 2 - 2.5
- 2.5 - 3
- > 3

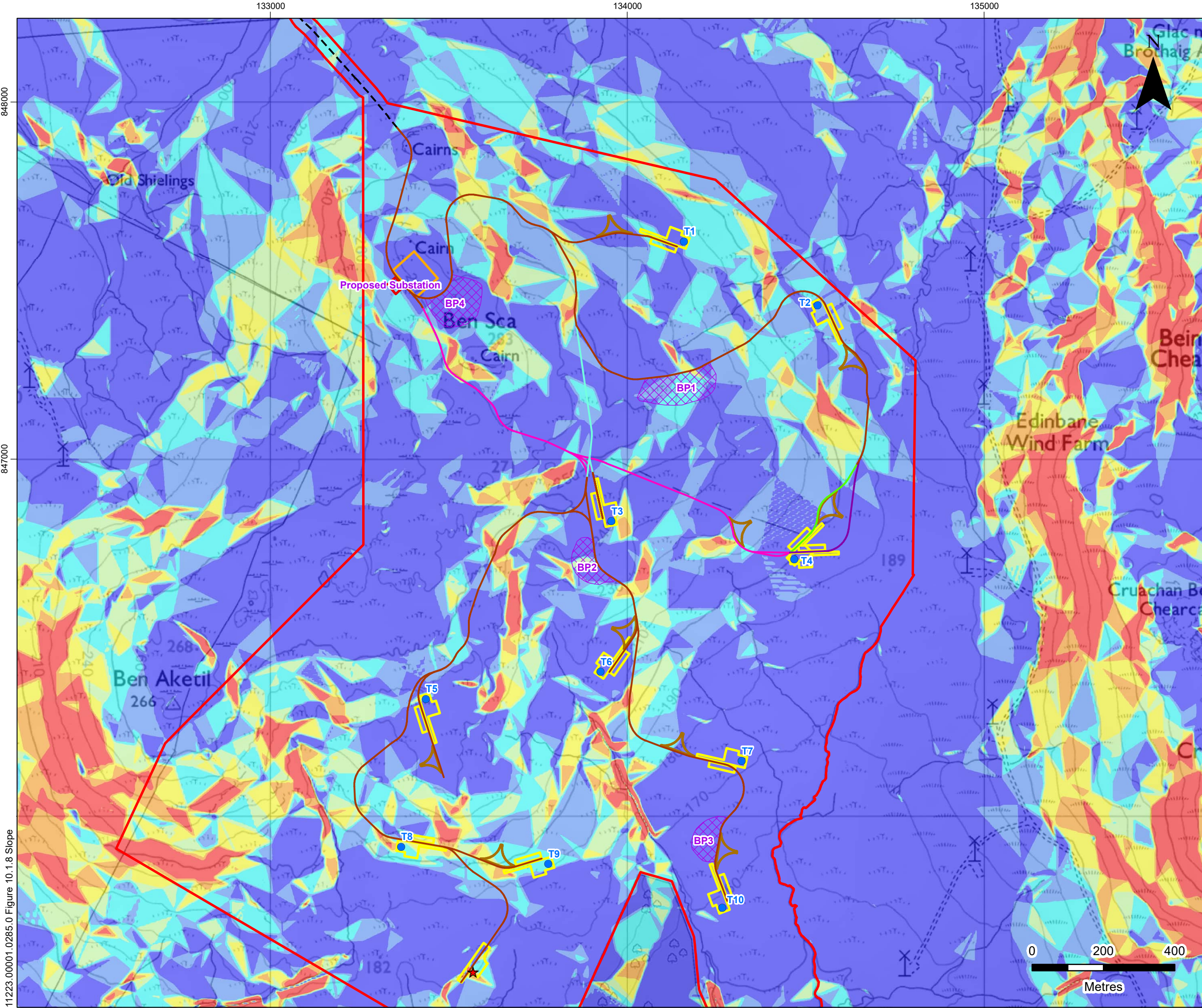
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TA 10.1 – PLHRA
PEAT DEPTH PLAN OVER 0.5 M
FIGURE 10.1.7

Scale 1:10,000 @ A3 Date JULY 2023

11223.00001.0284.0 Figure 10.1.7 Peat Depth Over 0.5 m



LEGEND

- Application Site Boundary
- Proposed Turbine Location
- ★ Proposed Permanent Met Mast
- Proposed Crane Hardstanding
- Proposed Construction Compound
- Proposed Substation
- Proposed Turning Head
- Potential Borrow Pit
- Existing Access Track
- Consented Access Track

Proposed Track Alignment

- Proposed
- Proposed Option A
- Proposed Option A1
- Proposed Option A2
- Proposed Option B

Slope (Percent Rise)

- 0 - 10
- 10 - 12
- 12 - 14
- 14 - 16
- 16 - 18
- 18 - 20
- > 20

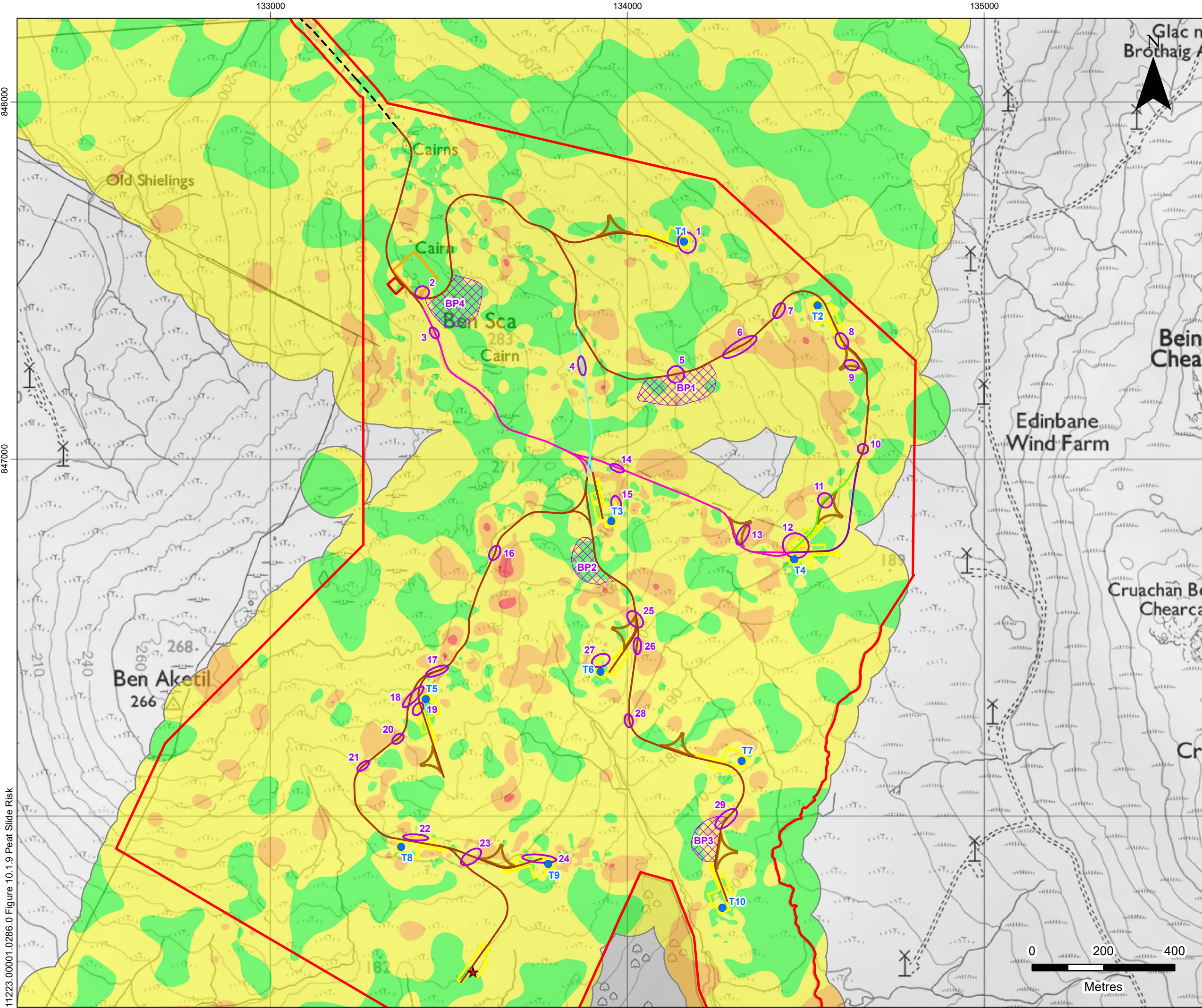
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TA 10.1 – PLHRA
SLOPE
FIGURE 10.1.8

Scale 1:10,000 @ A3 Date JULY 2023

11223.00001.0285.0 Figure 10.1.8 Slope



LEGEND

- Application Site Boundary
- Proposed Turbine Location
- ★ Proposed Permanent Met Mast
- Proposed Crane Hardstanding
- Proposed Construction Compound
- Proposed Substation
- Proposed Turning Head
- Potential Borrow Pit
- Existing Access Track
- Consented Access Track

Proposed Track Alignment

- Proposed
- Proposed Option A
- Proposed Option A1
- Proposed Option A2
- Proposed Option B

Peat Slide Risk

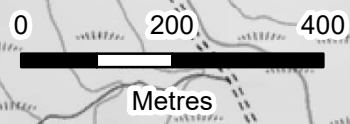
- Negligible
- Low
- Medium
- High
- Identified Risk Zone

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TA 10.1 – PLHRA
PEAT SLIDE RISK
FIGURE 10.1.9

Scale 1:10,000 @ A3	Date JULY 2023
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11223.00001.0286.0 Figure 10.1.9 Peat Slide Risk