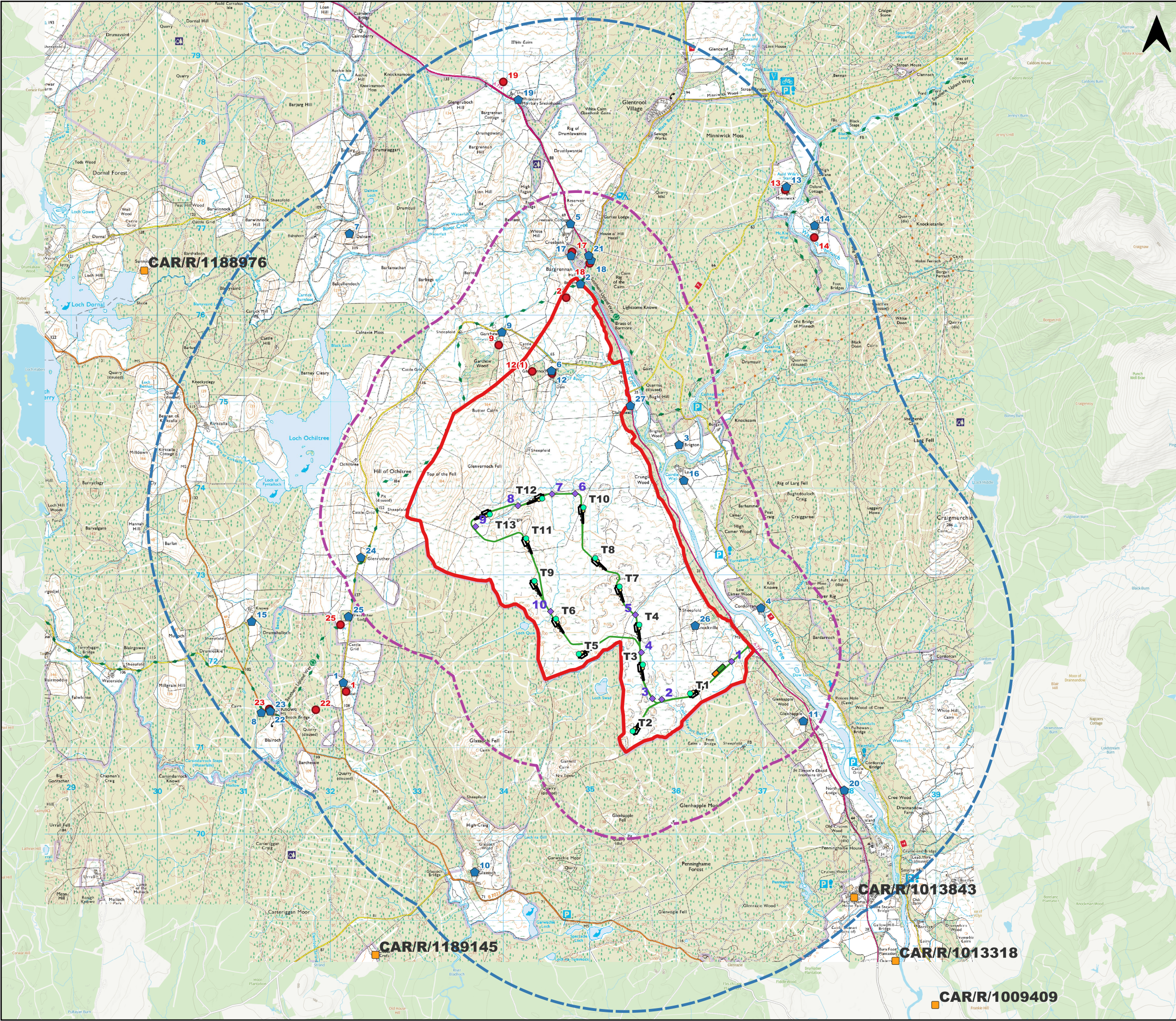
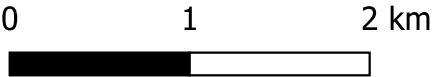




- Key:
- Site boundary
 - Proposed Infrastructure
 - Proposed turbine
 - Crane pad hardstand
 - Crane pad (temp. areas)
 - Access track
 - Substation
 - Temp. construction compound
 - Watercourse Crossing Point
 - SEPA Registered Activities
 - Private Water Supply
 - Abstraction
 - Property
 - 3 km buffer
 - 1 km buffer

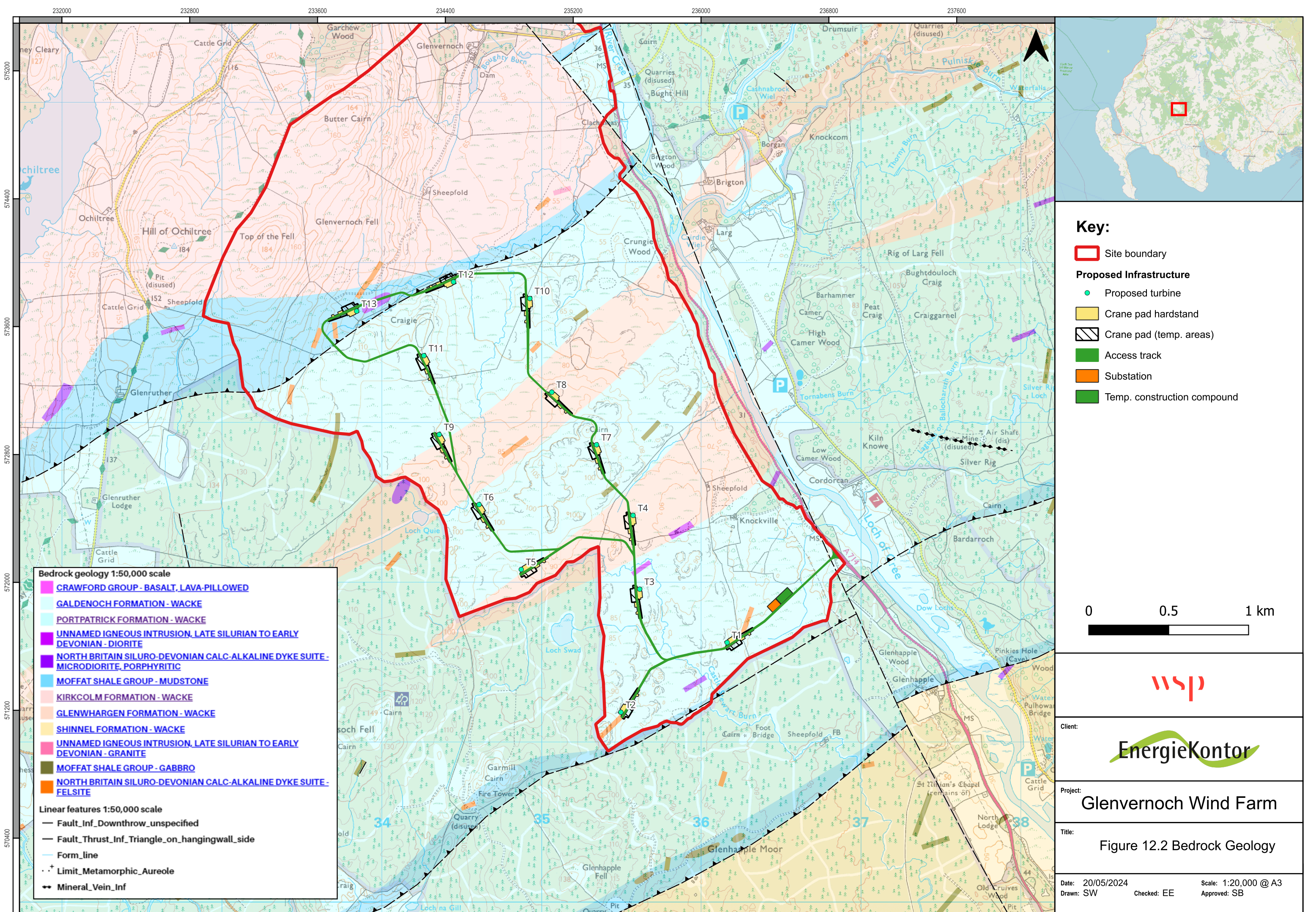


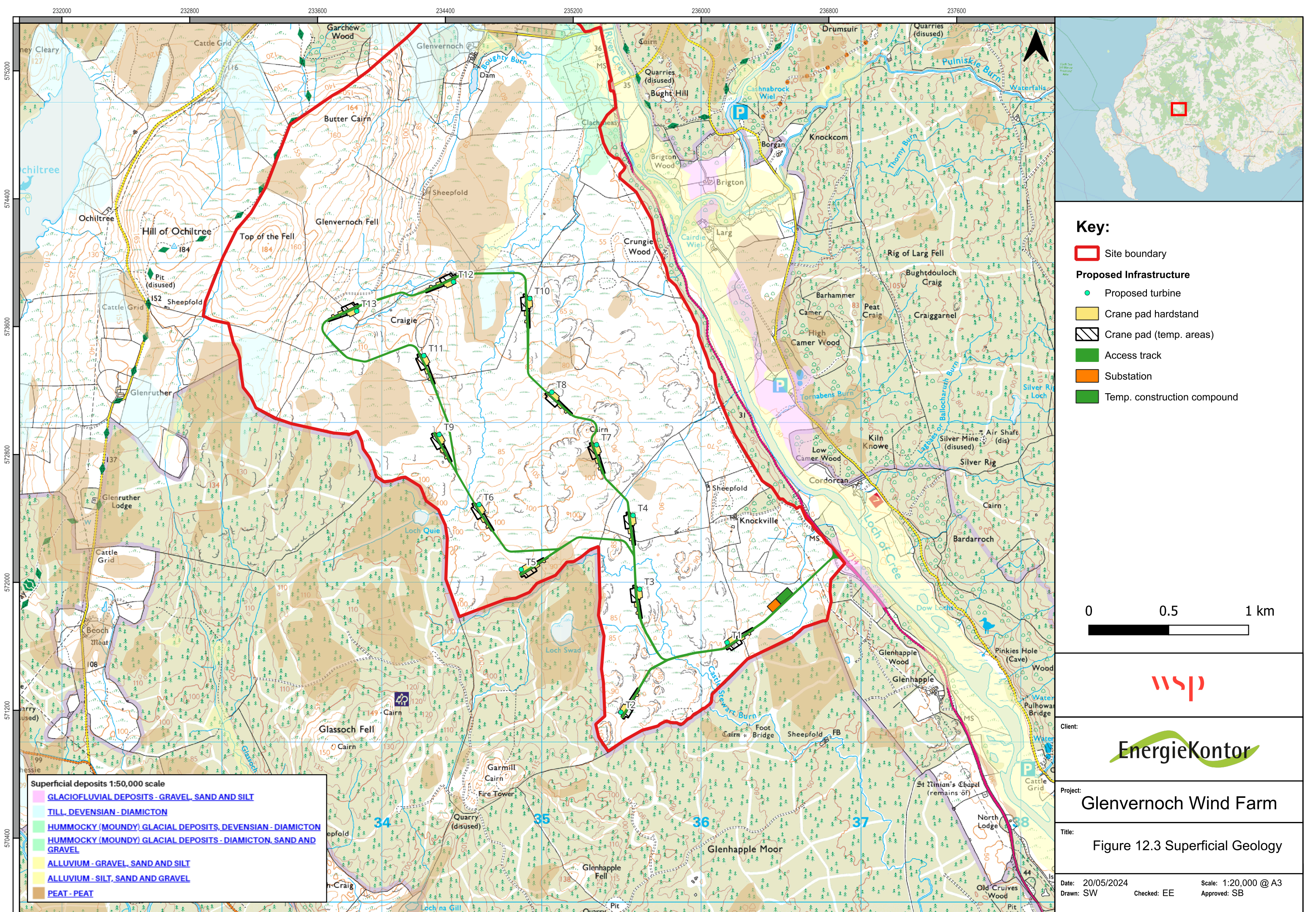
Client:
EnergieKontor

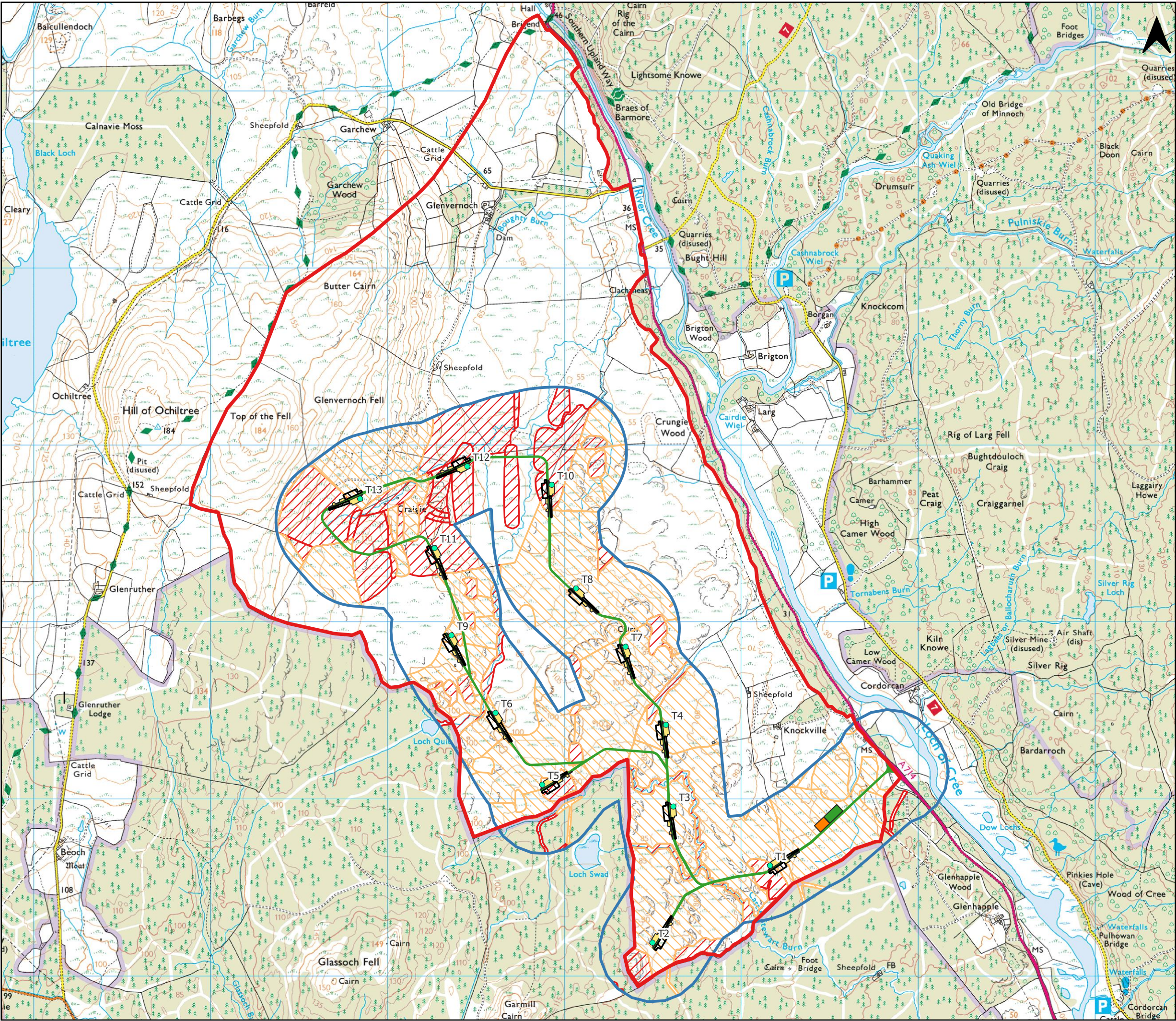
Project:
Glenvernoch Wind Farm

Title:
Figure 12.1 Hydrology Overview

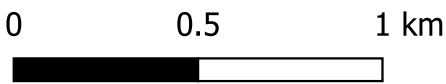
Date: 17/06/2024
Drawn: EE
Scale: 1:42,000 @ A3
Checked: MM
Approved: PJ







- Key:
- Site boundary
 - Proposed Infrastructure
 - Proposed turbine
 - Crane pad hardstand
 - Crane pad (temp. areas)
 - Access track
 - Substation
 - Temp. construction compound
 - GWDTE
 - Moderate
 - High
 - SEPA's LUPS-GU31 guidance buffer

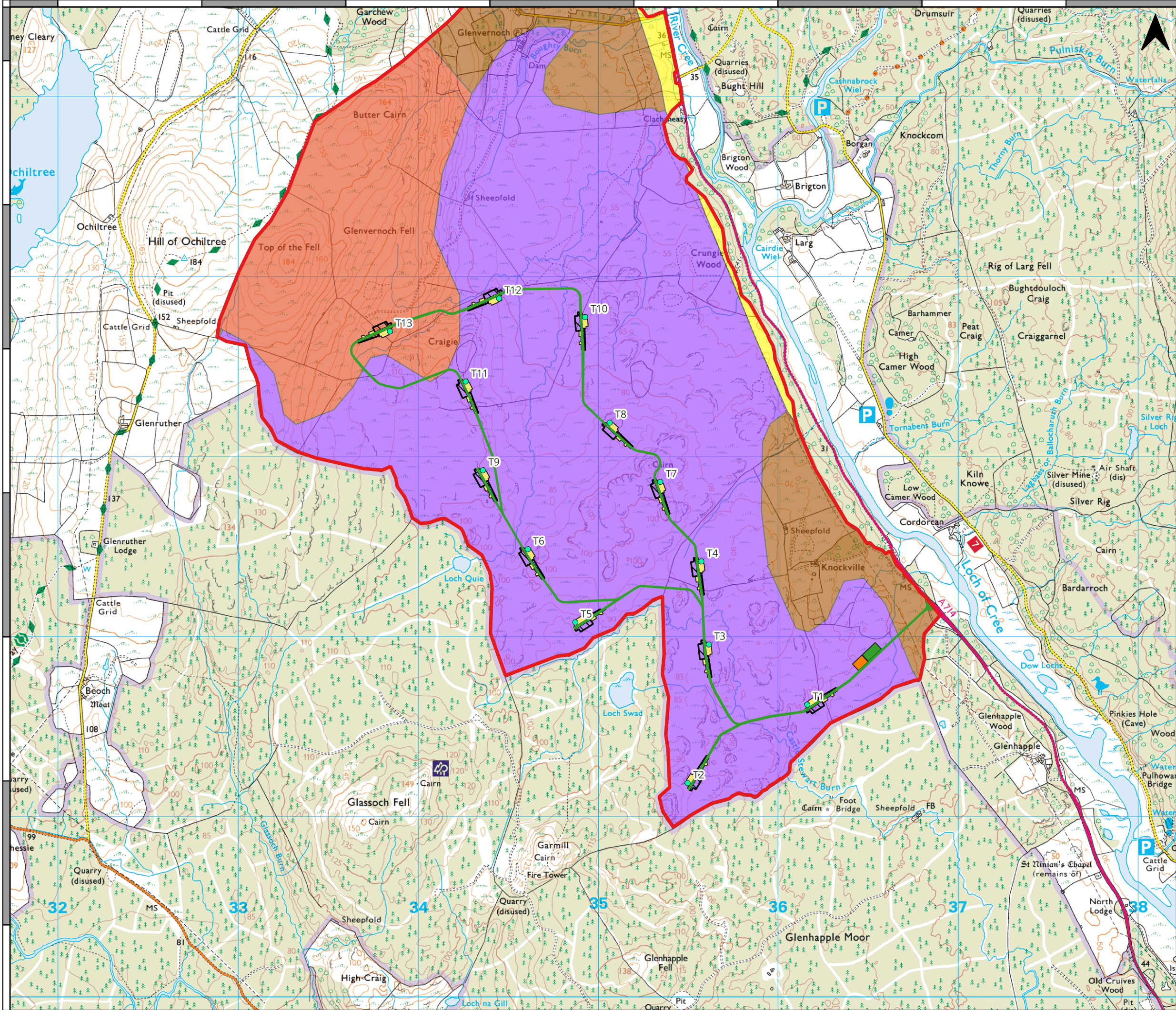


Client:
EnergieKontor

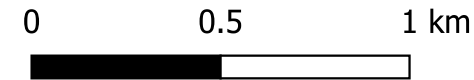
Project:
Glenvernoch Wind Farm

Title:
Figure 12.4 Groundwater Dependent Terrestrial Ecosystems (GWDTE)

Date: 17/06/2024
Drawn: EE
Checked: MM
Scale: 1:20,500 @ A3
Approved: PJ



- Key:**
- Site boundary
 - Proposed Infrastructure**
 - Proposed turbine
 - Crane pad hardstand
 - Crane pad (temp. areas)
 - Access track
 - Substation
 - Temp. construction compound
 - National Soil Map of Scotland Generalised Soil Type:**
 - Alluvial soils
 - Brown soils
 - Peat
 - Peaty podzols

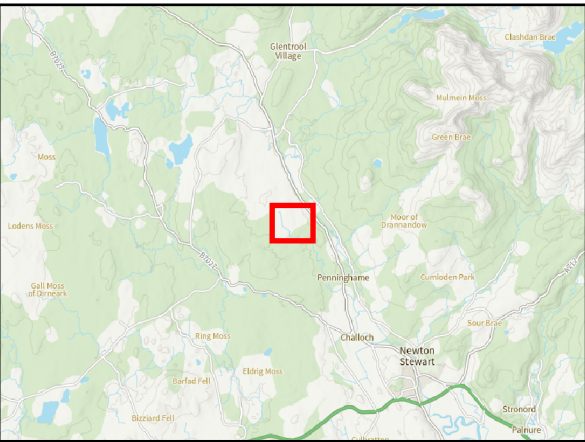
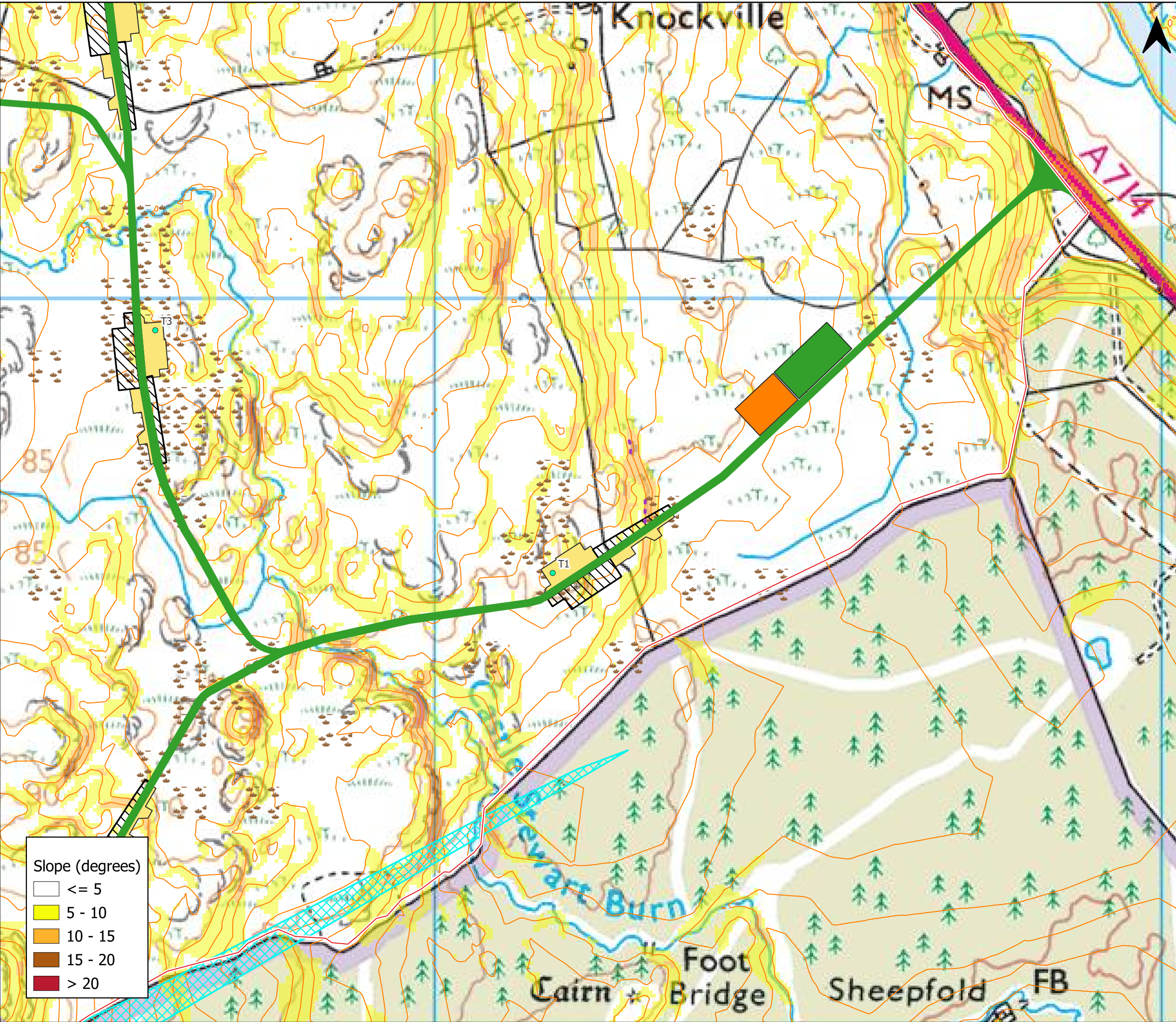


Client: **EnergieKontor**

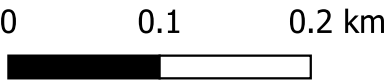
Project: **Glenvernoch Wind Farm**

Title: **Figure 12.5: Predominant Soils**

Date: 20/05/2024
Drawn: SW
Checked: EE
Scale: 1:20,000 @ A3
Approved: SB



- Key:
- Site boundary
 - Proposed infrastructure
 - Turbine
 - Access track
 - Construction compound
 - Crane pad temporary areas
 - Substation
 - Crane pad hardstand
 - Convex break of slope
 - Peat Depth >1m
 - Contours
 - BGS Geosure Landslide Susceptibility Classification
 - C: GeoSure Landslide Hazard Class C; slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the Site.

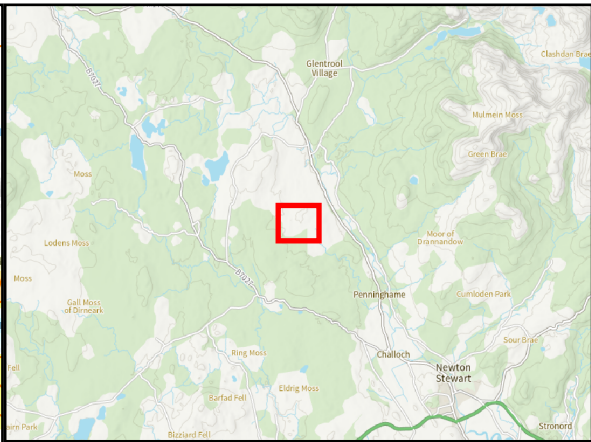
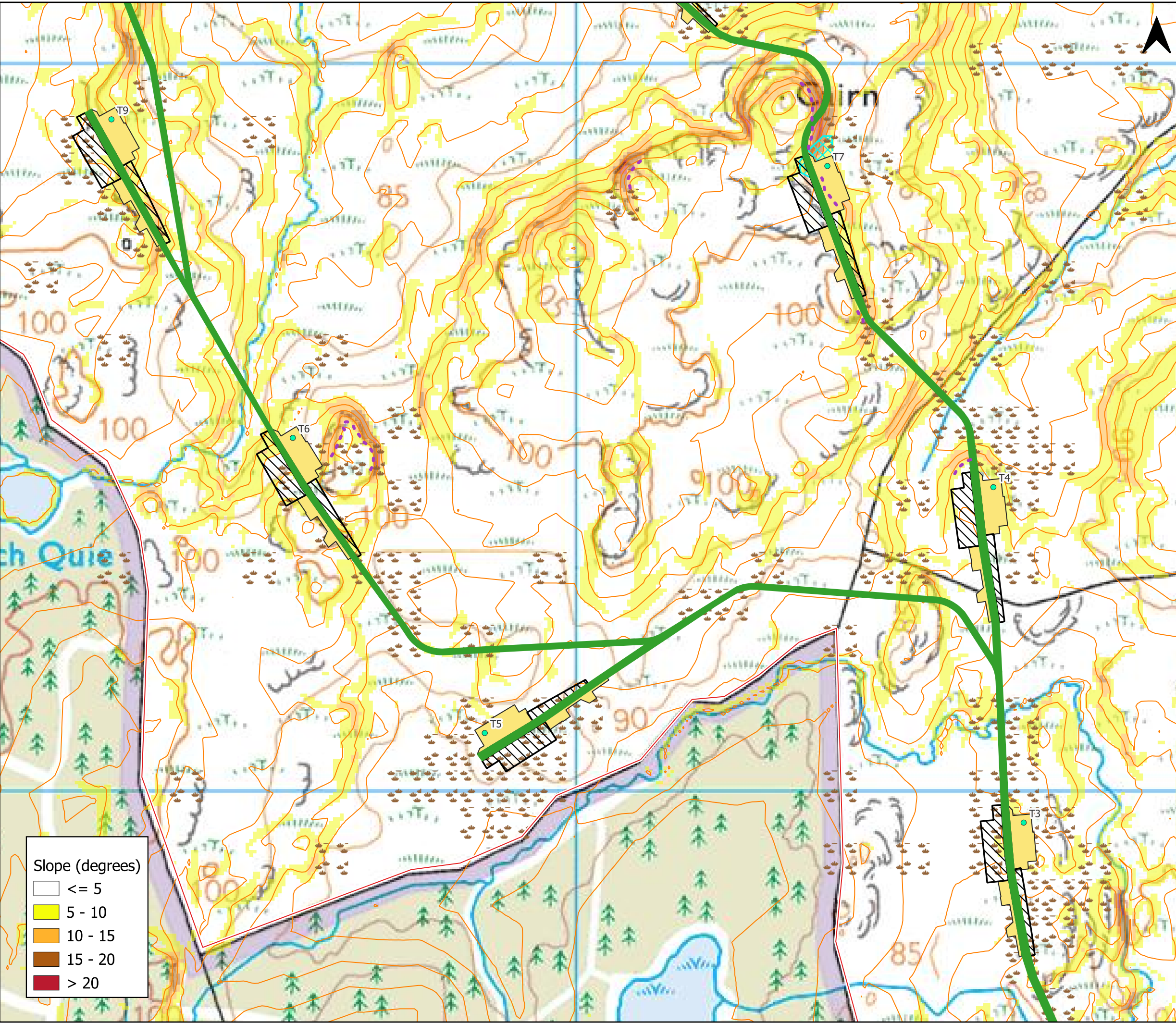


Client:
EnergieKontor

Project:
Glenvernoch Wind Farm

Title:
Figure 12.6a Geomorphology

Date: 09/07/2024
Drawn: KY
Checked: SB
Scale: 1:5,000 @ A3
Approved: SB



- Key:
- Site boundary
 - Proposed infrastructure
 - Turbine
 - Access track
 - Crane pad temporary areas
 - Crane pad hardstand
 - Convex break of slope
 - Peat Depth >1m
 - Contours
 - BGS Geosure Landslides Susceptibility Classification
 - C: GeoSure Landslide Hazard Class C; slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the Site.

0 0.1 0.2 km

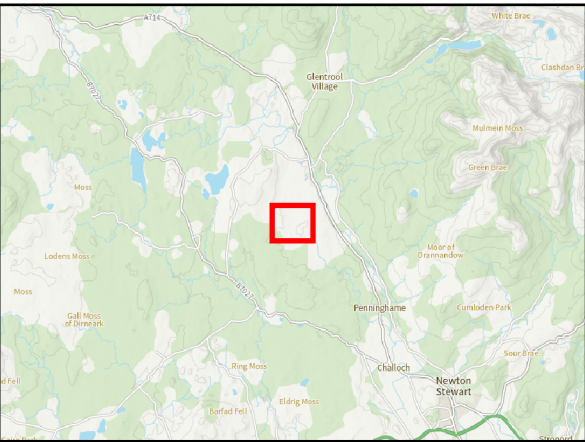
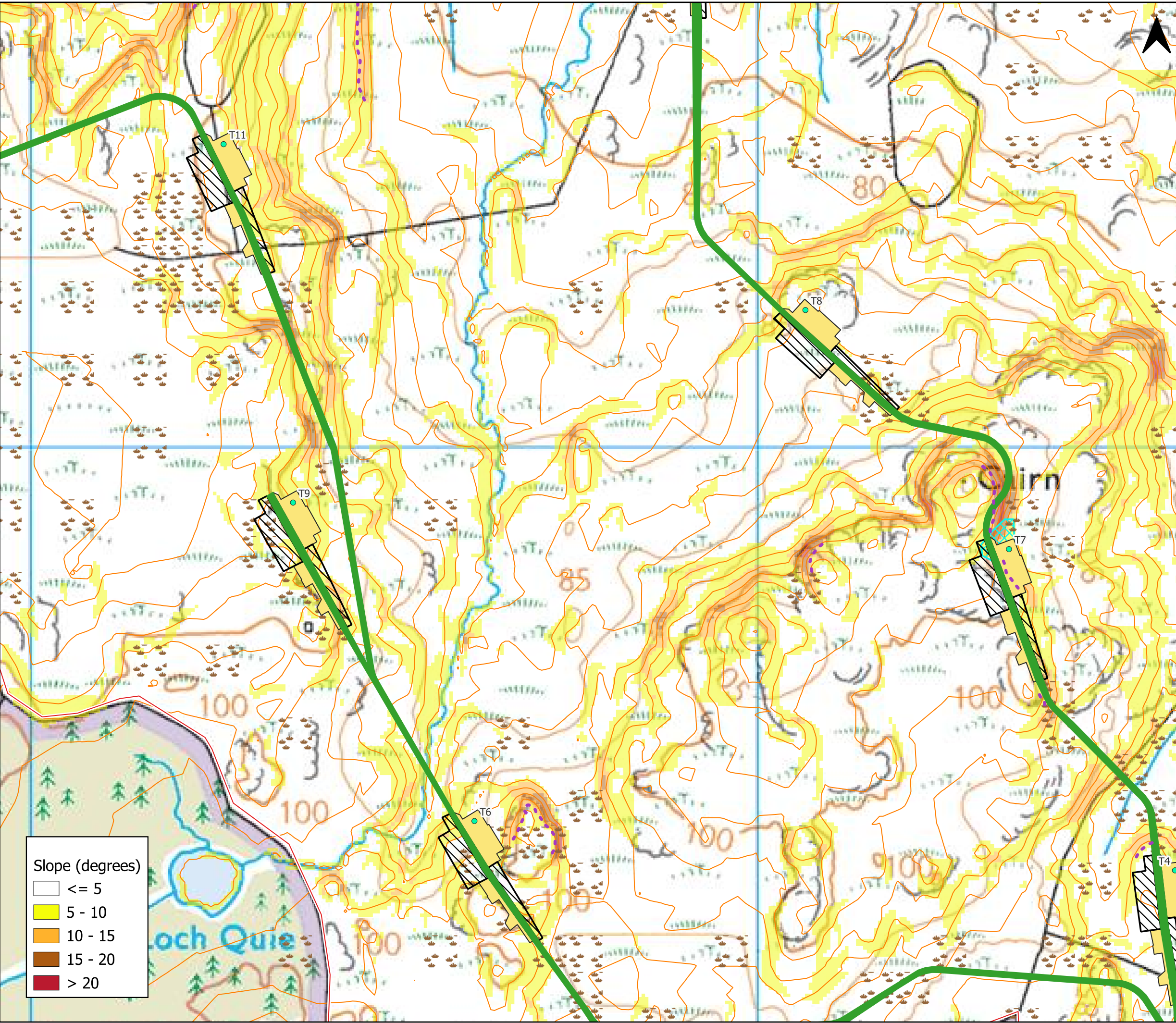


Client: **EnergieKontor**

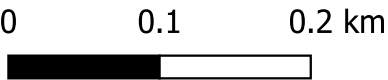
Project: **Glenvernoch Wind Farm**

Title: **Figure 12.6c Geomorphology**

- Slope (degrees)
- <= 5
 - 5 - 10
 - 10 - 15
 - 15 - 20
 - > 20



- Key:
- Site boundary
 - Proposed infrastructure
 - Turbine
 - Access track
 - Crane pad temporary areas
 - Crane pad hardstand
 - Convex break of slope
 - Peat Depth >1m
 - Contours

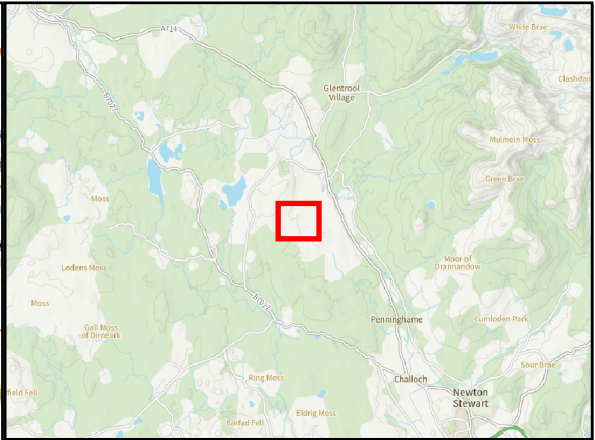
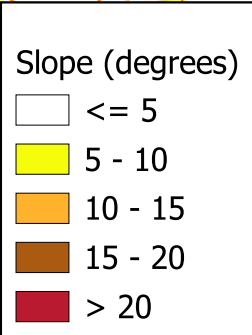
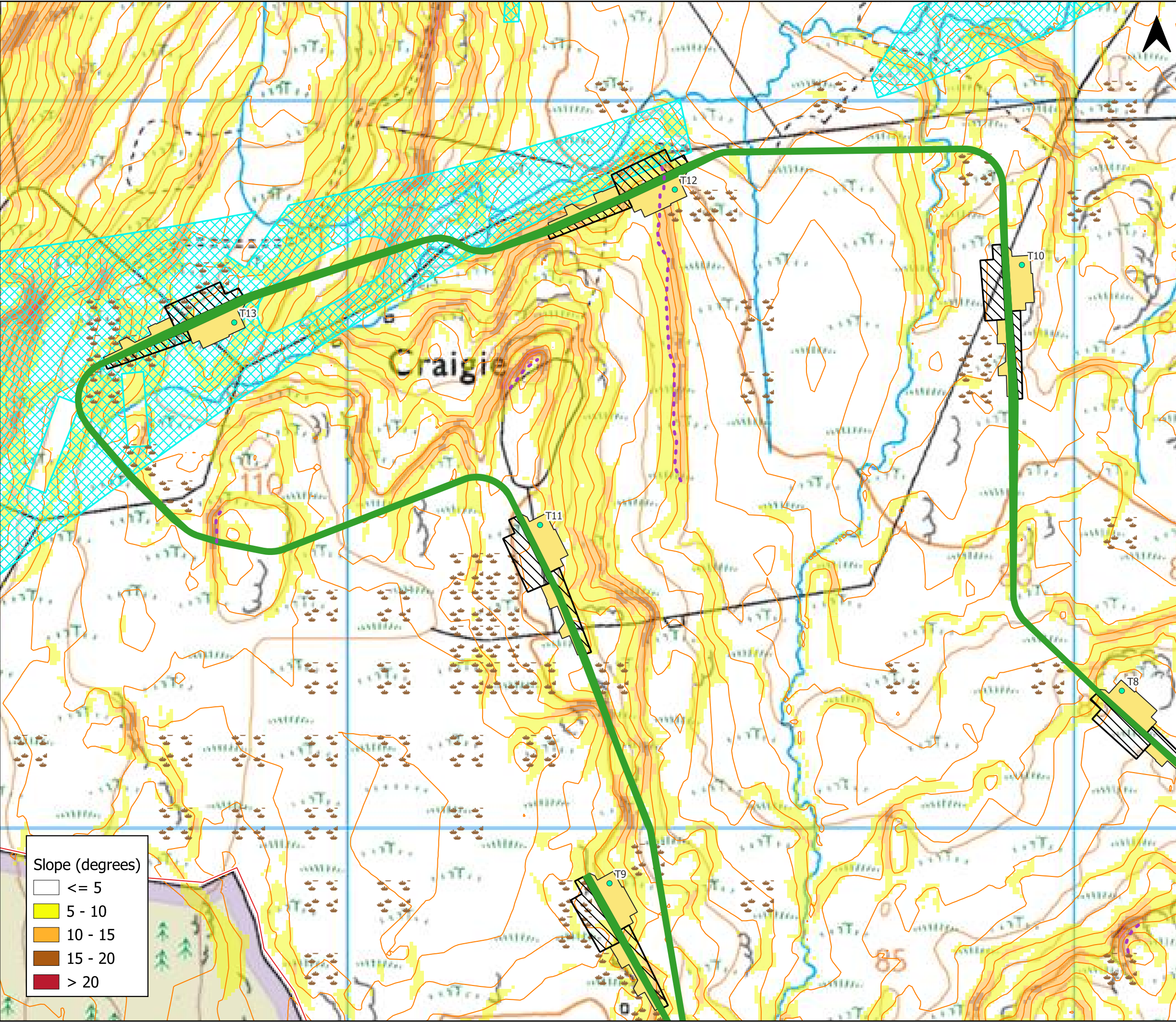


Client: **EnergieKontor**

Project: **Glenvernoch Wind Farm**

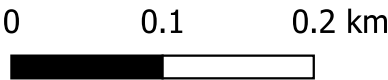
Title: **Figure 12.6d Geomorphology**

Date: 09/07/2024
Drawn: KY
Checked: SB
Scale: 1:5,000 @ A3
Approved: SB



Key:

- Site boundary
- Proposed infrastructure
 - Turbine
 - Access track
 - Crane pad temporary areas
 - Crane pad hardstand
 - Convex break of slope
 - Peat Depth >1m
 - Contours
- BGS Geosure Landslides Susceptibility Classification
 - C: GeoSure Landslide Hazard Class C; slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the Site.



Client:

EnergieKontor

Project:

Glenvernoch Wind Farm

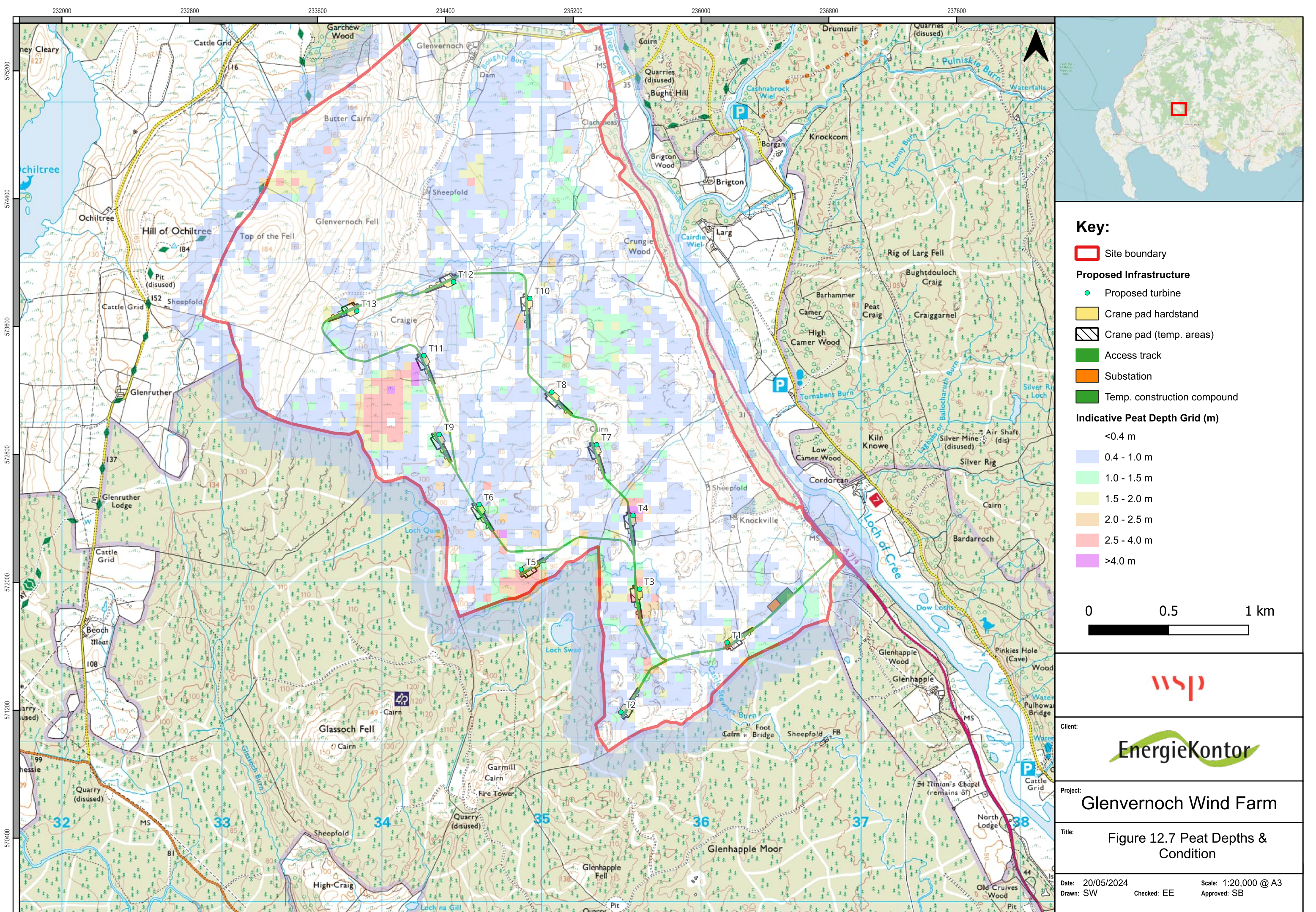
Title:

Figure 12.6e Geomorphology

Date: 09/07/2024
Drawn: KY

Checked: SB

Scale: 1:5,000 @ A3
Approved: SB

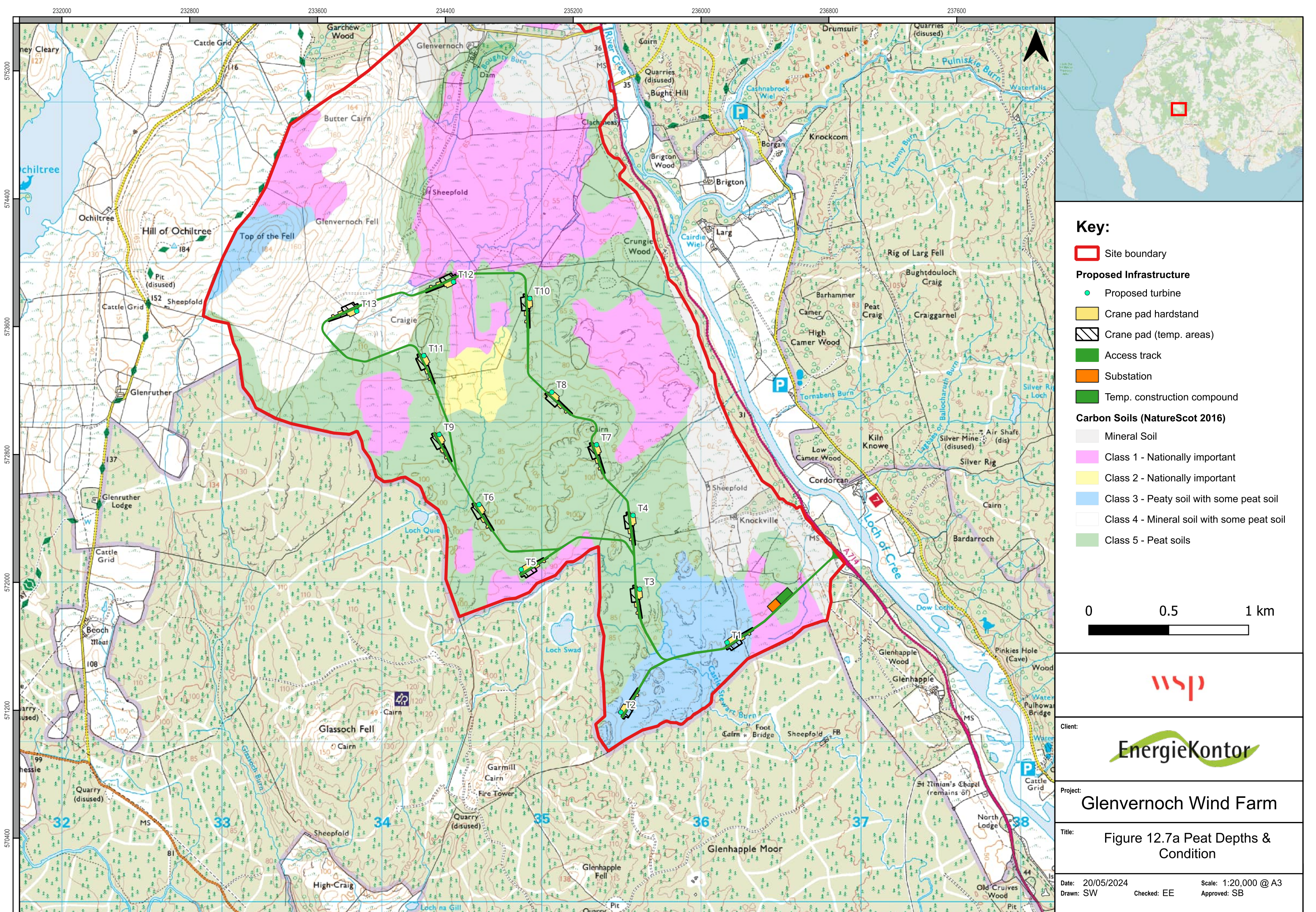


Client: **EnergieKontor**

Project: **Glenvernoch Wind Farm**

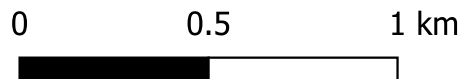
Title: **Figure 12.7 Peat Depths & Condition**

Date: 20/05/2024
Drawn: SW
Checked: EE
Scale: 1:20,000 @ A3
Approved: SB



Key:

- Site boundary
- Proposed Infrastructure**
 - Proposed turbine
 - Crane pad hardstand
 - Crane pad (temp. areas)
 - Access track
 - Substation
 - Temp. construction compound
- Carbon Soils (NatureScot 2016)**
 - Mineral Soil
 - Class 1 - Nationally important
 - Class 2 - Nationally important
 - Class 3 - Peaty soil with some peat soil
 - Class 4 - Mineral soil with some peat soil
 - Class 5 - Peat soils

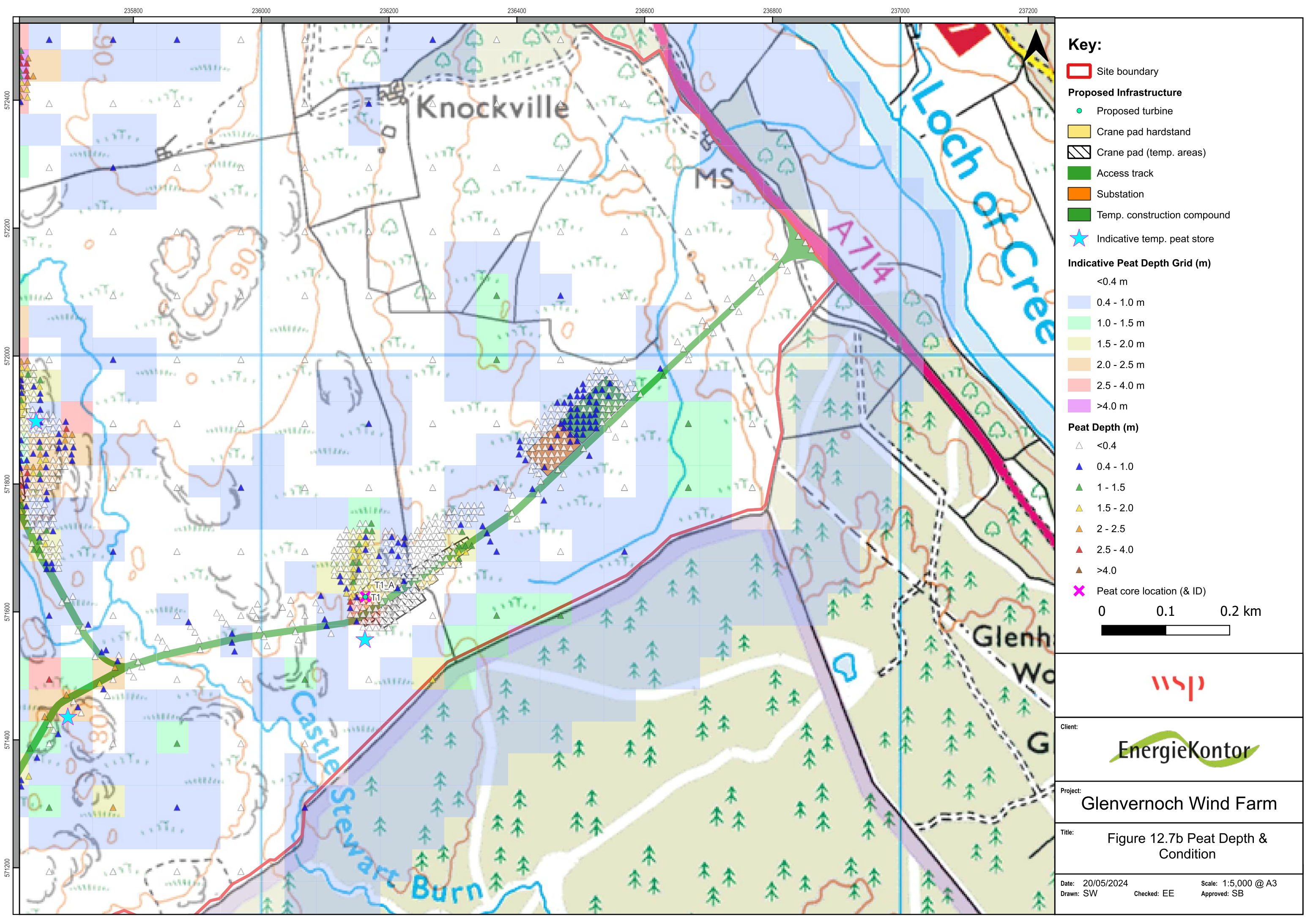


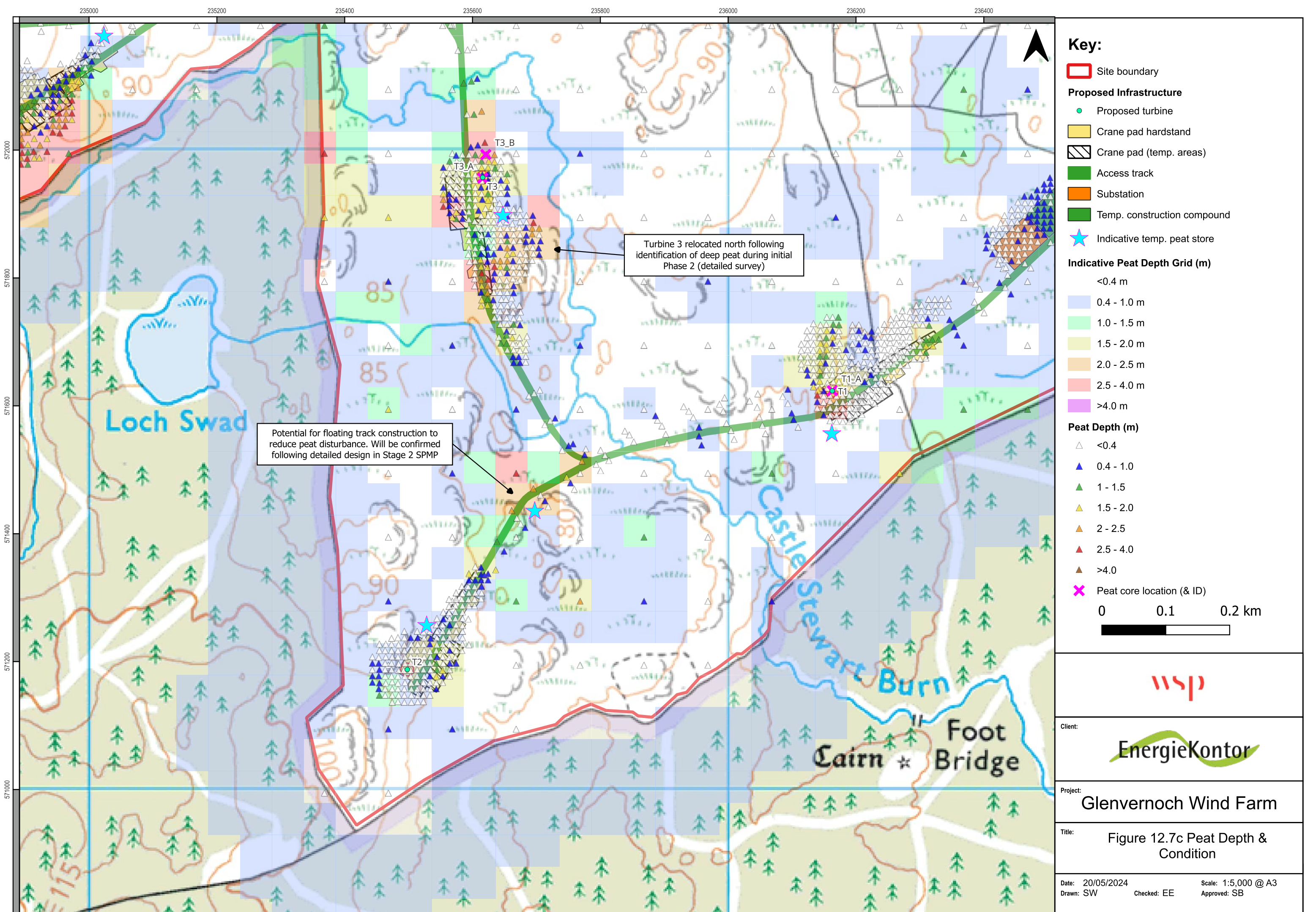
Client:

Project: **Glenvernoch Wind Farm**

Title: **Figure 12.7a Peat Depths & Condition**

Date: 20/05/2024
Drawn: SW
Checked: EE
Scale: 1:20,000 @ A3
Approved: SB





Key:

Site boundary

Proposed Infrastructure

Proposed turbine

Crane pad hardstand

Crane pad (temp. areas)

Access track

Substation

Temp. construction compound

Indicative temp. peat store

Indicative Peat Depth Grid (m)

<0.4 m

0.4 - 1.0 m

1.0 - 1.5 m

1.5 - 2.0 m

2.0 - 2.5 m

2.5 - 4.0 m

>4.0 m

Peat Depth (m)

<0.4

0.4 - 1.0

1 - 1.5

1.5 - 2.0

2 - 2.5

2.5 - 4.0

>4.0

Peat core location (& ID)

00.10.2 km



Client:

EnergieKontor

Project:

Glenvernoch Wind Farm

Title:

Figure 12.7c Peat Depth & Condition

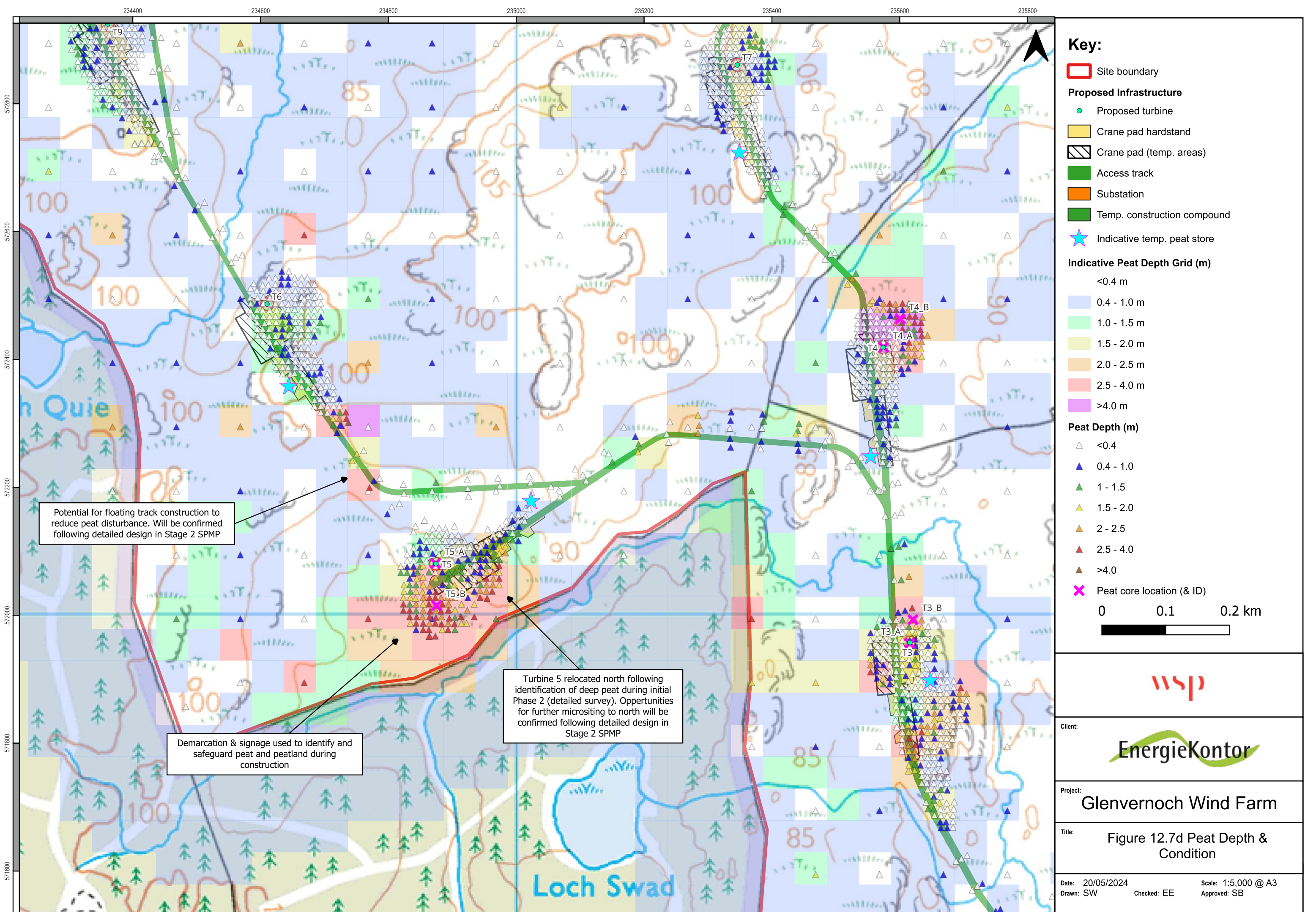
Date: 20/05/2024

Drawn: SW

Checked: EE

Scale: 1:5,000 @ A3

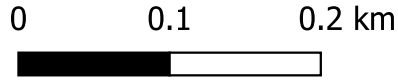
Approved: SB



- Key:**
- Site boundary
 - Proposed Infrastructure**
 - Proposed turbine
 - Crane pad hardstand
 - Crane pad (temp. areas)
 - Access track
 - Substation
 - Temp. construction compound
 - Indicative temp. peat store

- Indicative Peat Depth Grid (m)**
- <0.4 m
 - 0.4 - 1.0 m
 - 1.0 - 1.5 m
 - 1.5 - 2.0 m
 - 2.0 - 2.5 m
 - 2.5 - 4.0 m
 - >4.0 m

- Peat Depth (m)**
- <0.4
 - 0.4 - 1.0
 - 1 - 1.5
 - 1.5 - 2.0
 - 2 - 2.5
 - 2.5 - 4.0
 - >4.0
- Peat core location (& ID)
- X

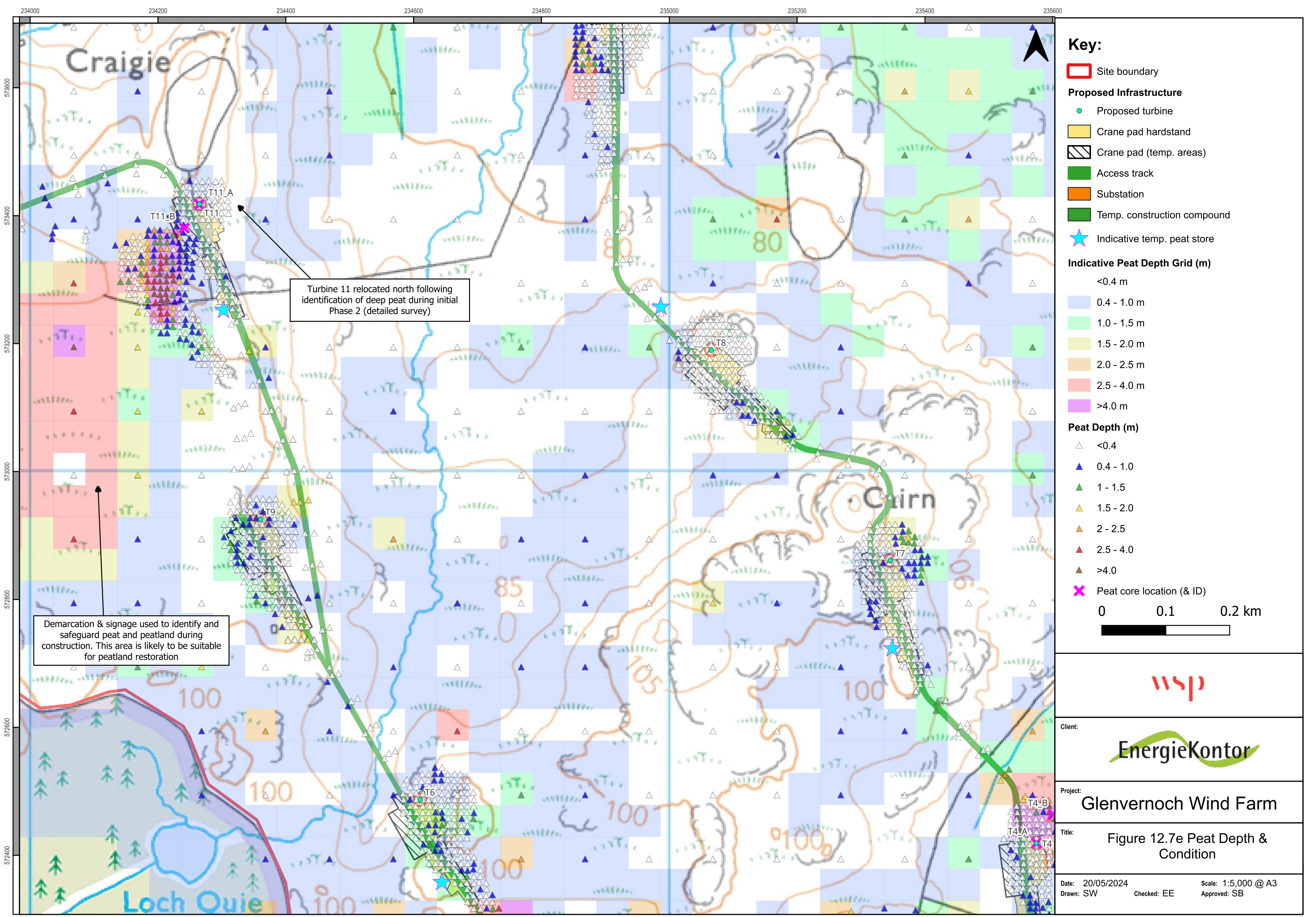


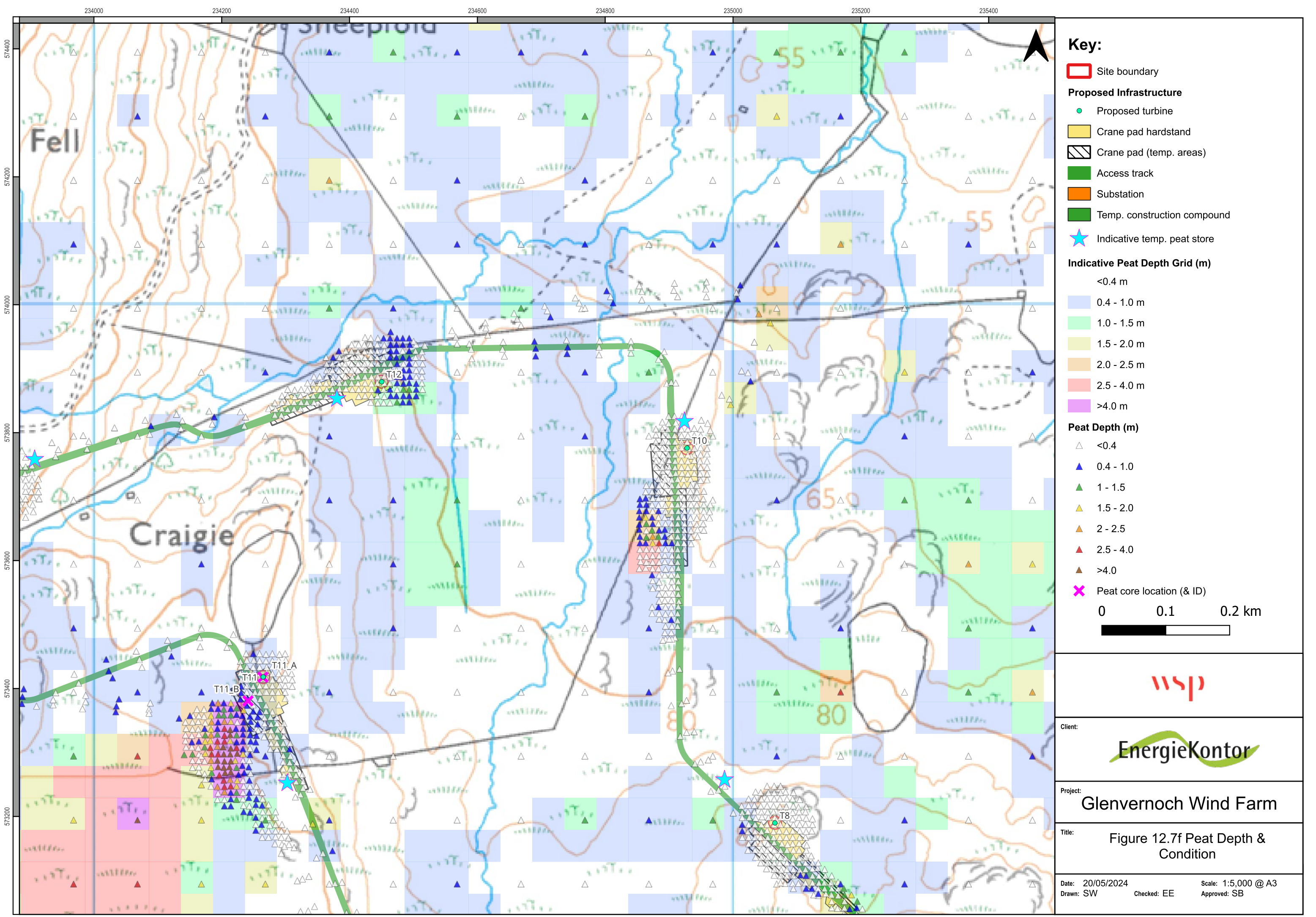
Client:

Project: **Glenvernoch Wind Farm**

Title: **Figure 12.7d Peat Depth & Condition**

Date: 20/05/2024
Drawn: SW
Checked: EE
Scale: 1:5,000 @ A3
Approved: SB





- Key:**
- Site boundary
 - Proposed Infrastructure**
 - Proposed turbine
 - Crane pad hardstand
 - Crane pad (temp. areas)
 - Access track
 - Substation
 - Temp. construction compound
 - Indicative temp. peat store

- Indicative Peat Depth Grid (m)**
- <0.4 m
 - 0.4 - 1.0 m
 - 1.0 - 1.5 m
 - 1.5 - 2.0 m
 - 2.0 - 2.5 m
 - 2.5 - 4.0 m
 - >4.0 m

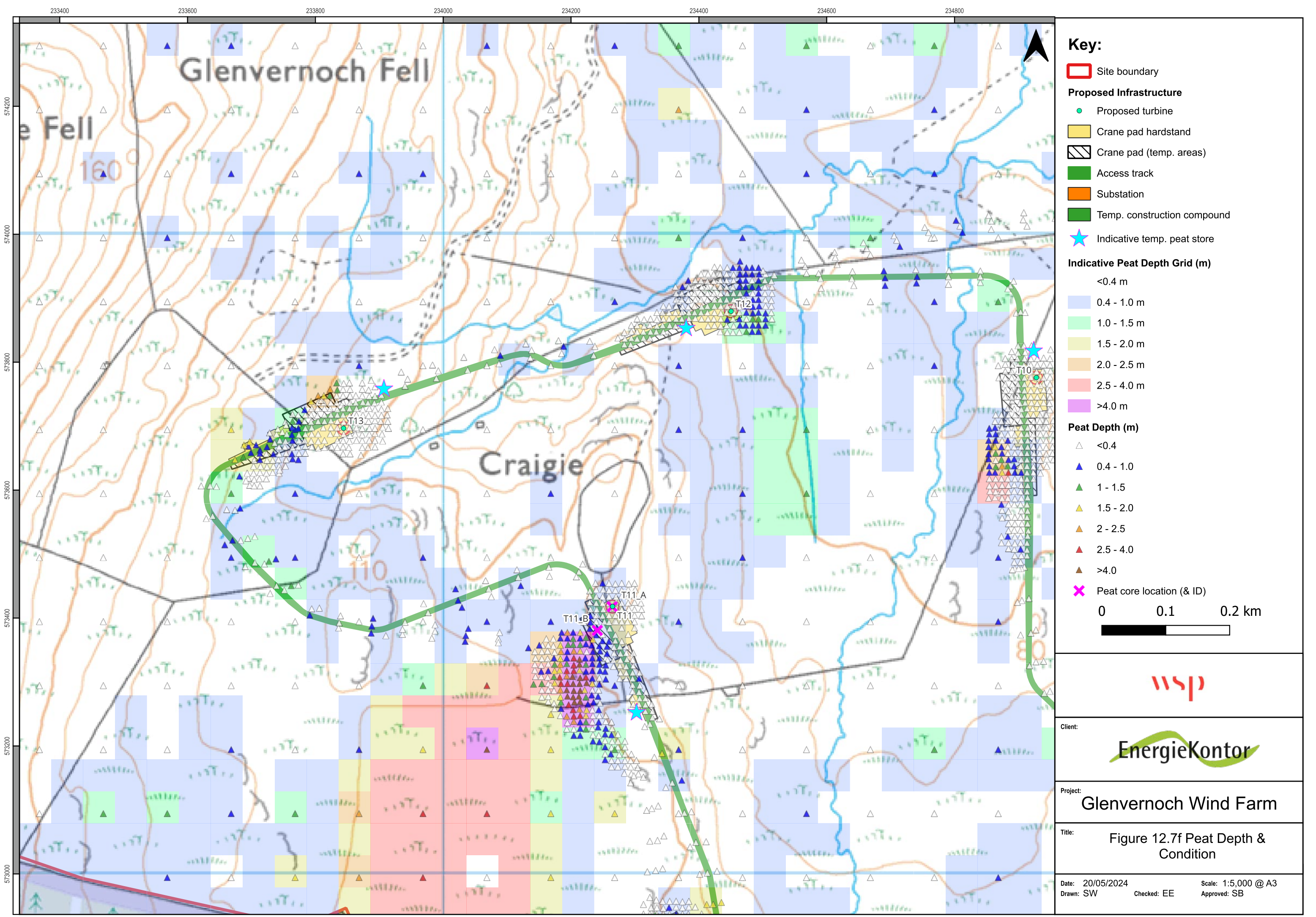
- Peat Depth (m)**
- <0.4
 - 0.4 - 1.0
 - 1 - 1.5
 - 1.5 - 2.0
 - 2 - 2.5
 - 2.5 - 4.0
 - >4.0
 - Peat core location (& ID)
- 0 0.1 0.2 km

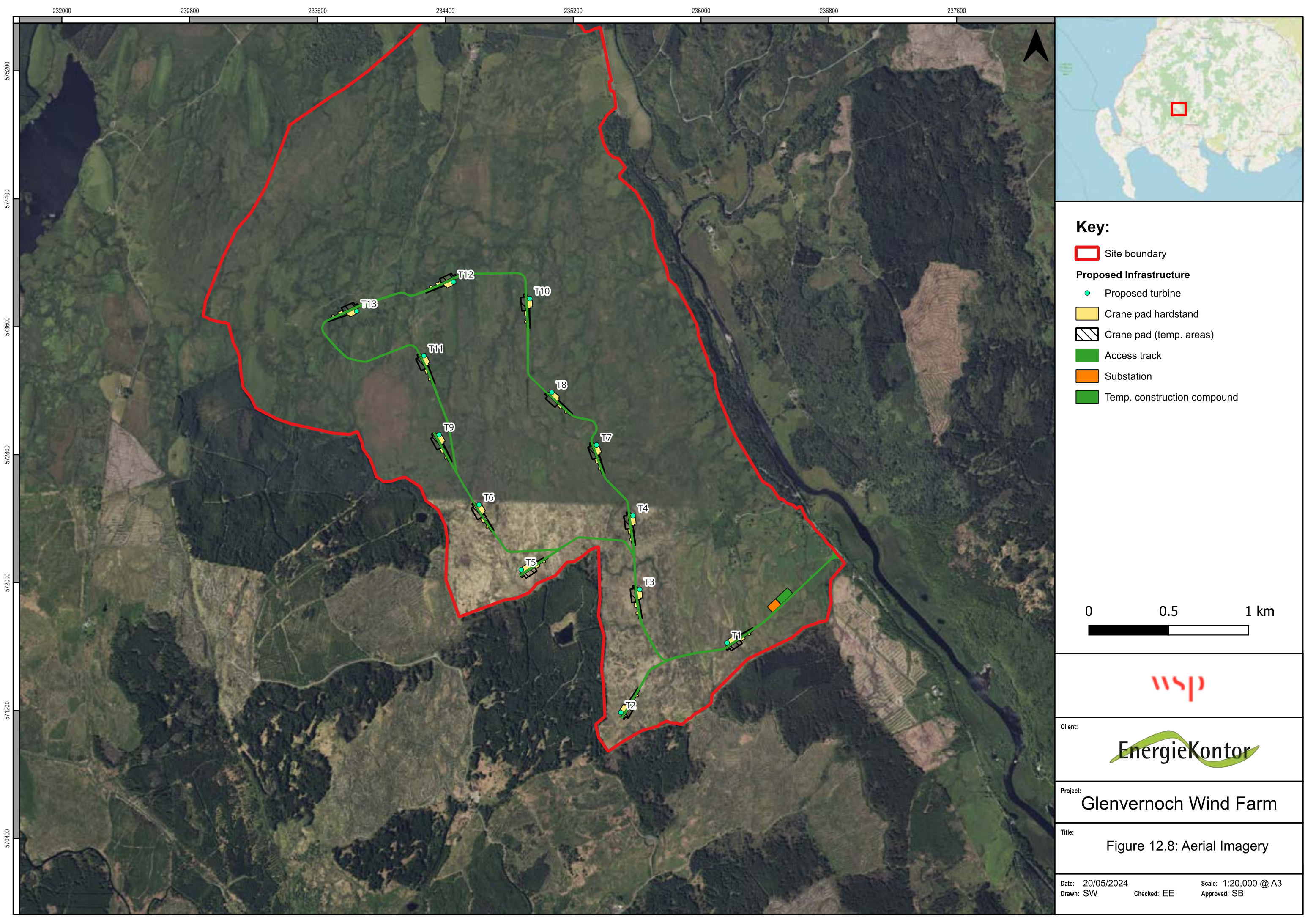


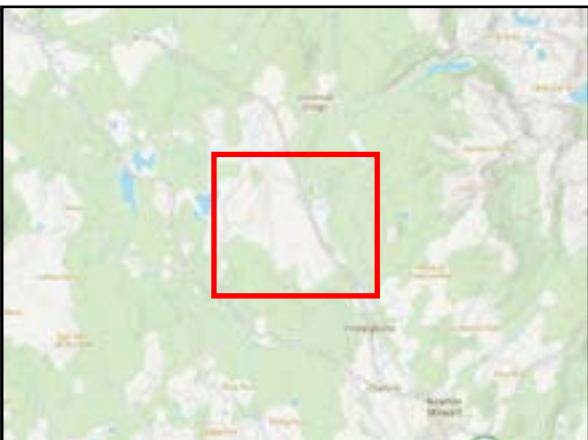
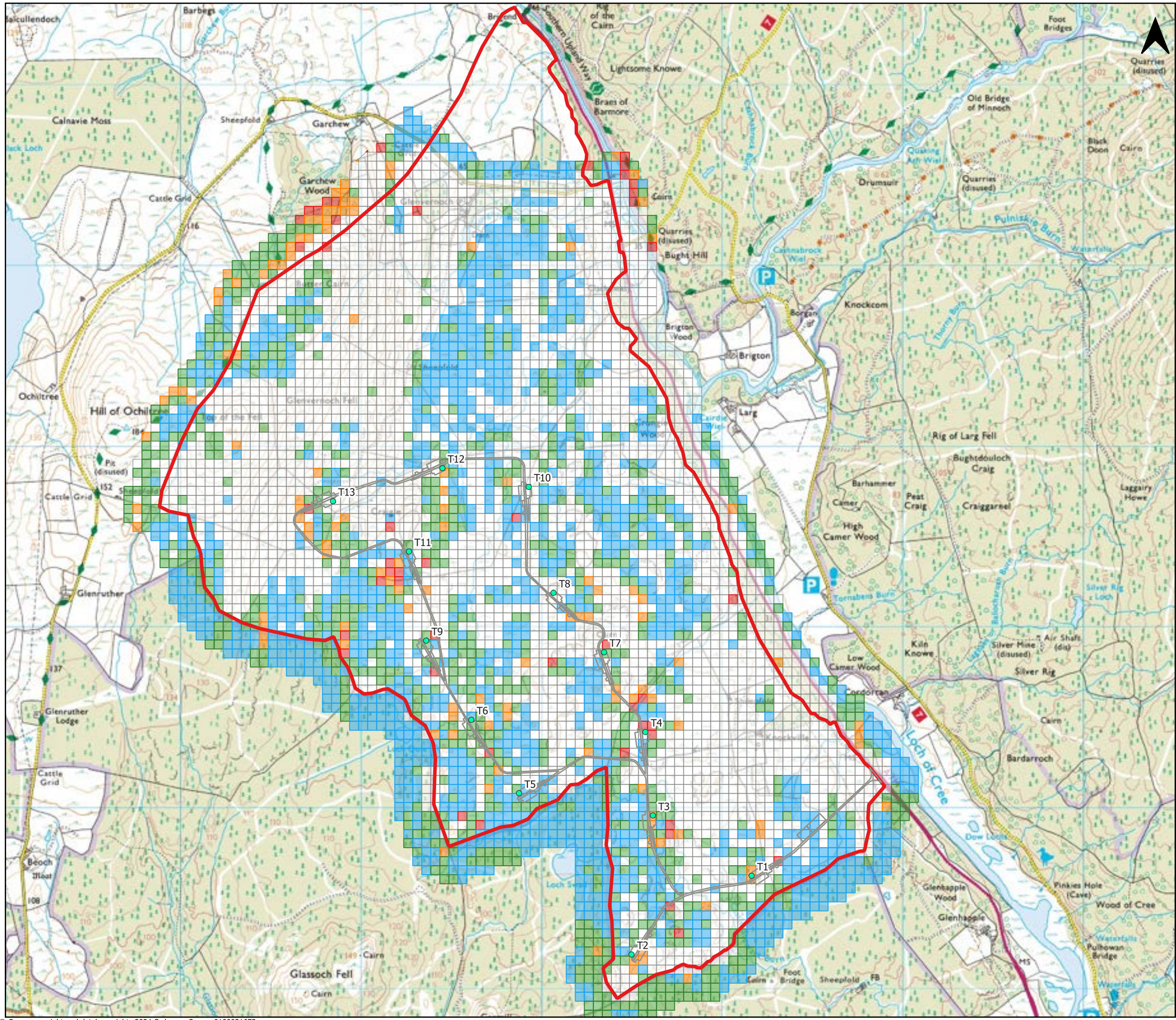
Client: **Glenvernoch Wind Farm**

Title: **Figure 12.7f Peat Depth & Condition**

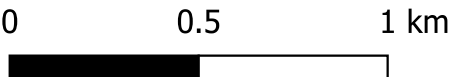
Date: 20/05/2024
Drawn: SW
Checked: EE
Scale: 1:5,000 @ A3
Approved: SB







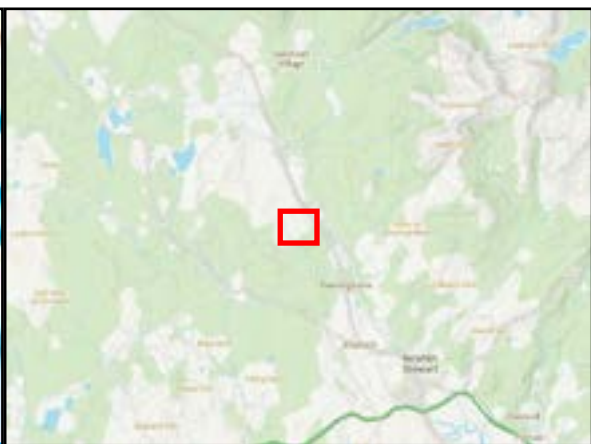
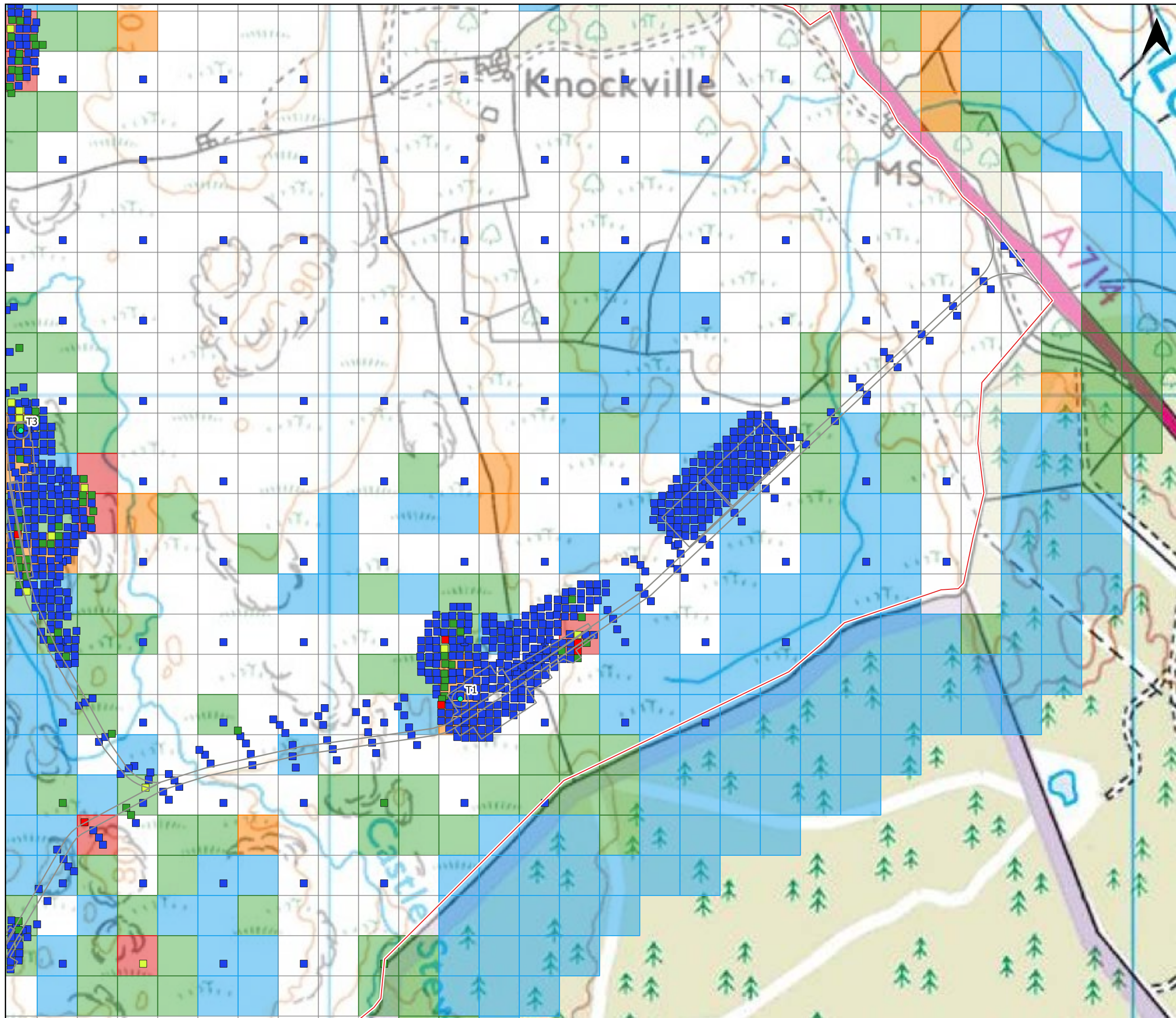
- Key:
- Site boundary
 - Proposed infrastructure
 - Turbine
 - Proposed infrastructure
 - Factor of Safety
 - 0
 - 1
 - 2
 - 3
 - 4



Project: **Glenvernoch Wind Farm**

Title: **Figure 12.9 Factor of Safety Overview**

Date: 09/07/2024
Drawn: KY
Checked: SB
Scale: 1:20,000 @ A3
Approved: SB



Key:

 Site boundary

Proposed infrastructure

 Turbine

 Proposed infrastructure

Factor of Safety points

 0 - 1

 1 - 1.4

 1 - 3

 >3

Factor of Safety

 0

 1

 2

 3

 4

0 0.1 0.2 km



Client:



Project:

Glenvernoch Wind Farm

Title:

Figure 12.9a Factor of Safety

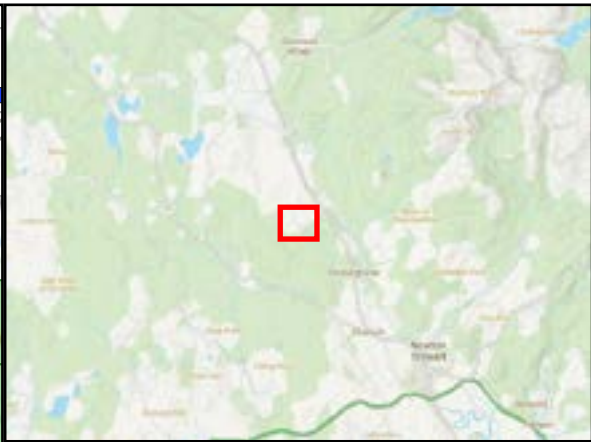
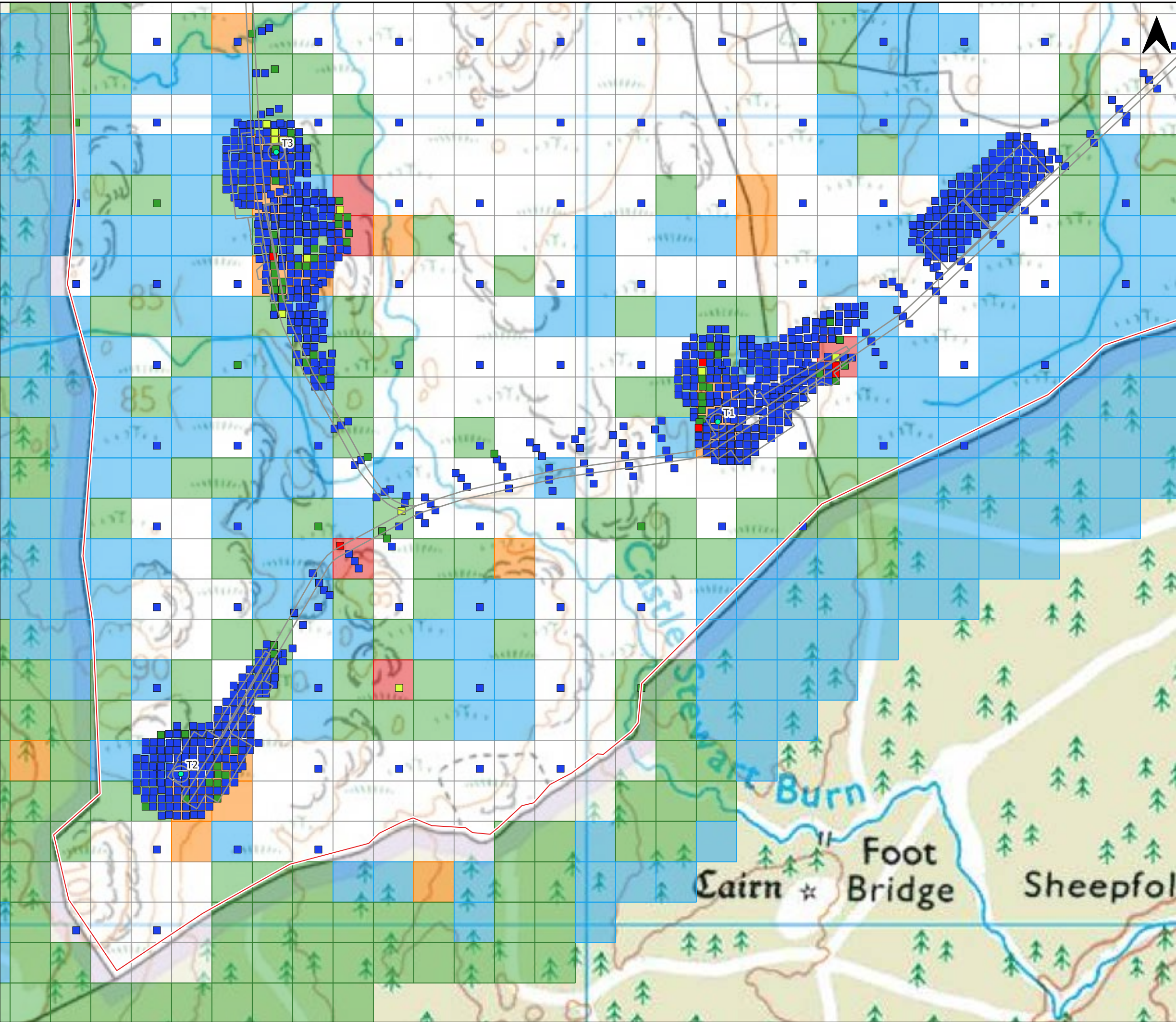
Date: 09/07/2024

Drawn: KY

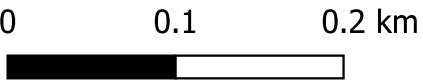
Checked: SB

Scale: 1:4,500 @ A3

Approved: SB



- Key:
- Site boundary
 - Proposed infrastructure
 - Turbine
 - Proposed infrastructure
 - Factor of Safety points
 - 0 - 1
 - 1 - 1.4
 - 1 - 3
 - >3
 - Factor of Safety
 - 0
 - 1
 - 2
 - 3
 - 4

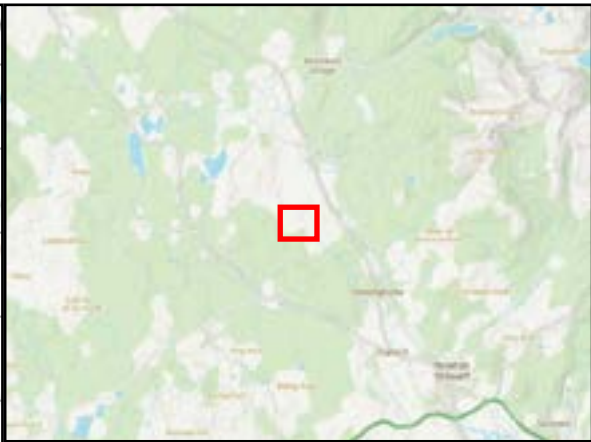
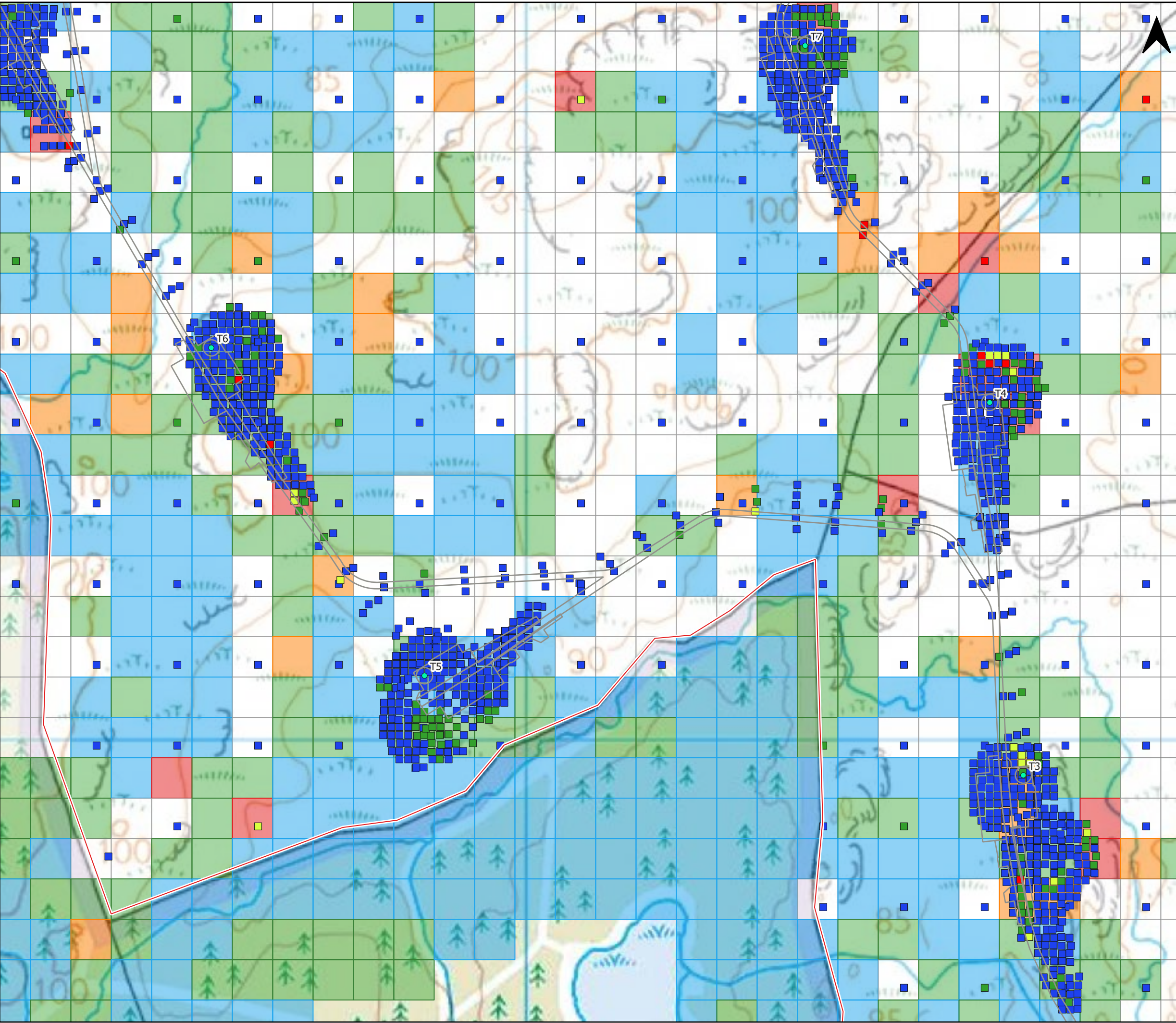


Client:

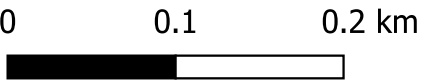
Project: Glenvernoch Wind Farm

Title: Figure 12.9b Factor of Safety

Date: 09/07/2024
Drawn: KY
Checked: SB
Scale: 1:4,500 @ A3
Approved: SB



- Key:
- Site boundary
 - Proposed infrastructure
 - Turbine
 - Proposed infrastructure
 - Factor of Safety points
 - 0 - 1
 - 1 - 1.4
 - 1 - 3
 - >3
 - Factor of Safety
 - 0
 - 1
 - 2
 - 3
 - 4

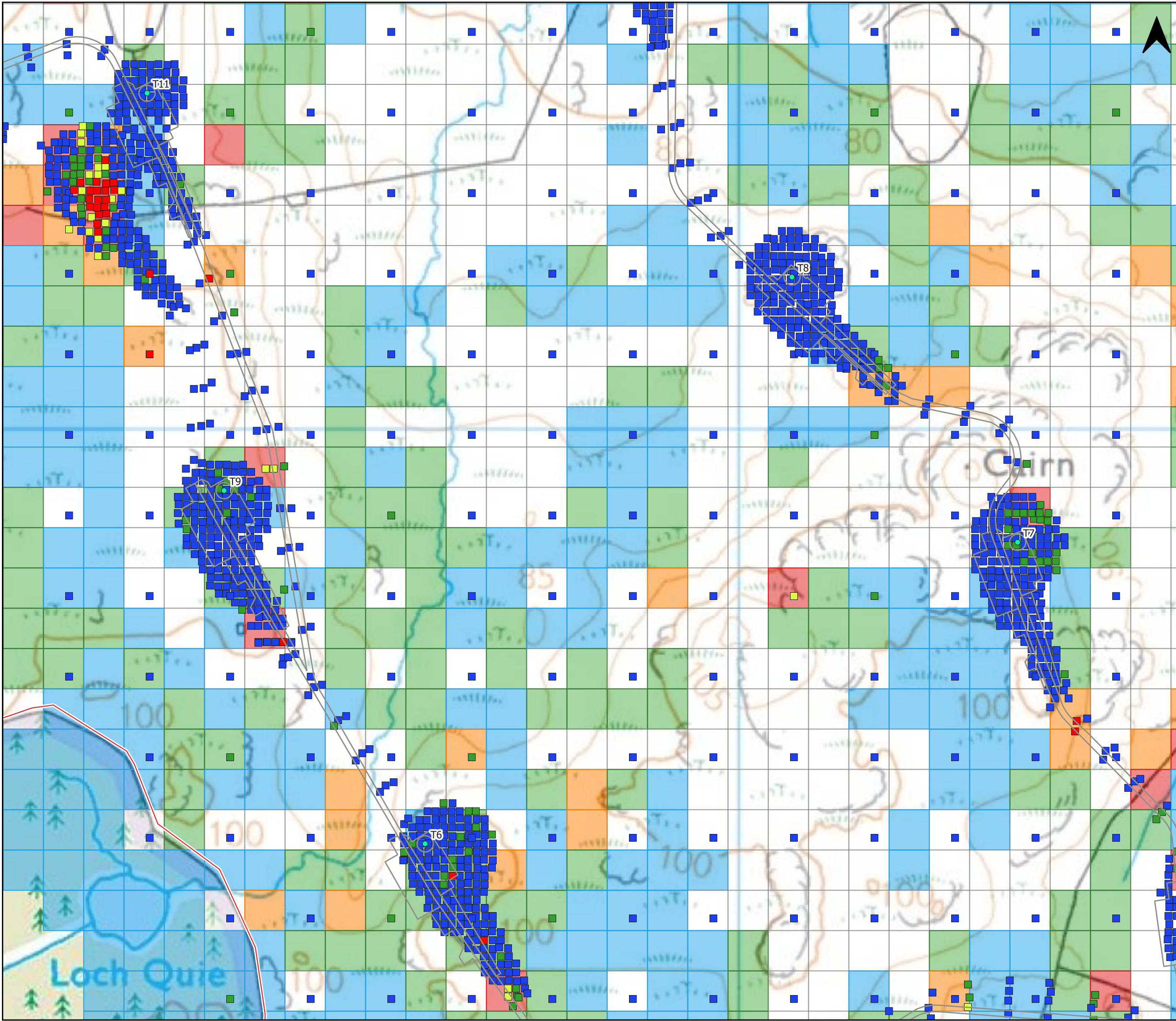


Client: **EnergieKontor**

Project: **Glenvernoch Wind Farm**

Title: **Figure 12.9c Factor of Safety**

Date: 09/07/2024
Drawn: KY
Checked: SB
Scale: 1:4,500 @ A3
Approved: SB



Key:

Site boundary

Proposed infrastructure

Turbine

Proposed infrastructure

Factor of Safety points

0 - 1

1 - 1.4

1 - 3

>3

Factor of Safety

0

1

2

3

4

0 0.1 0.2 km



Client:

EnergieKontor

Project:

Glenvernoch Wind Farm

Title:

Figure 12.9d Factor of Safety

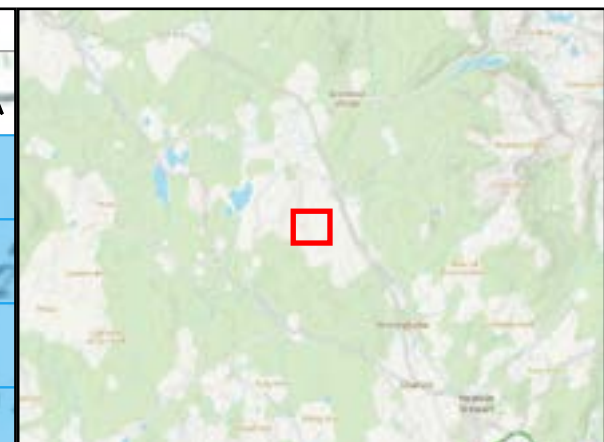
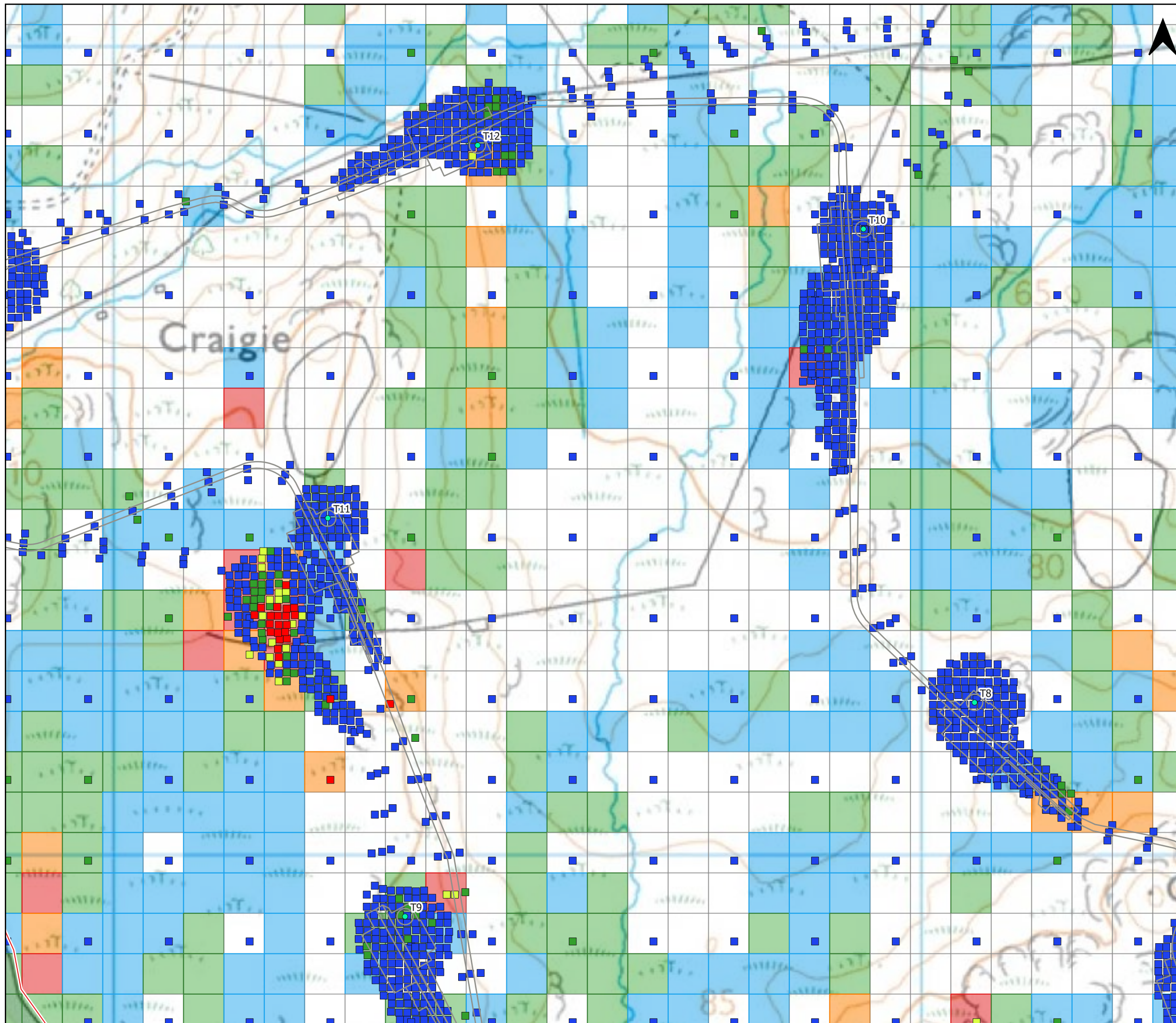
Date: 09/07/2024

Drawn: KY

Checked: SB

Scale: 1:4,500 @ A3

Approved: SB



Key:

Site boundary

Proposed infrastructure

Turbine

Proposed infrastructure

Factor of Safety points

0 - 1
1 - 1.4
1 - 3
>3

Factor of Safety

0
1
2
3
4

0 0.1 0.2 km



Client:



Project:

Glenvernoch Wind Farm

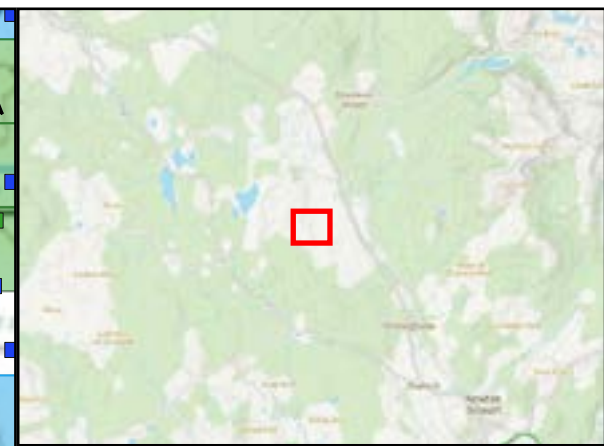
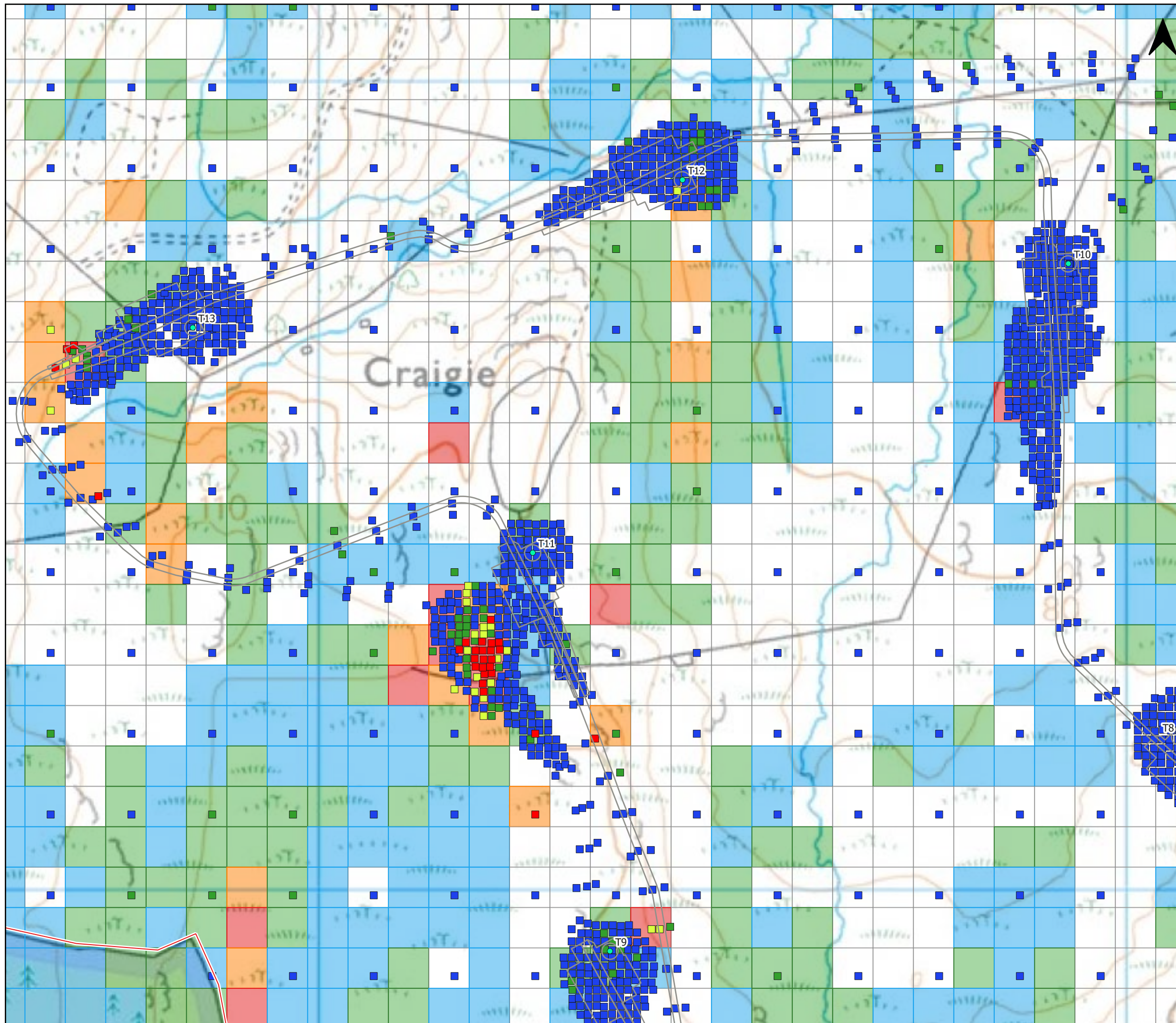
Title:

Figure 12.9e Factor of Safety

Date: 09/07/2024
Drawn: KY

Checked: SB

Scale: 1:4,500 @ A3
Approved: SB



Key:

Site boundary

Proposed infrastructure

Turbine

Proposed infrastructure

Factor of Safety points

- 0 - 1
- 1 - 1.4
- 1 - 3
- >3

Factor of Safety

- 0
- 1
- 2
- 3
- 4

0 0.1 0.2 km



Client:



Project:

Glenvernoch Wind Farm

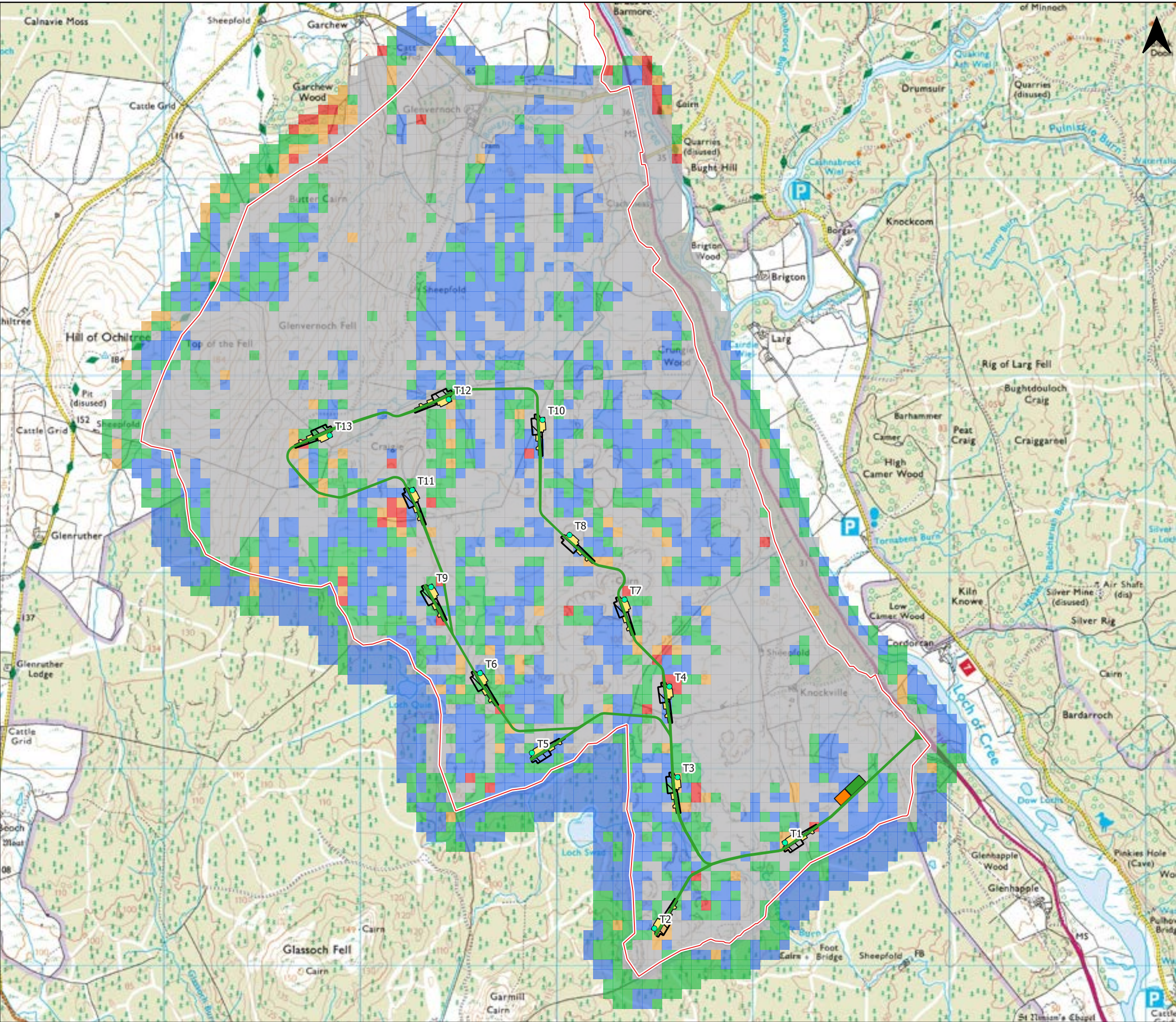
Title:

Figure 12.9f Factor of Safety

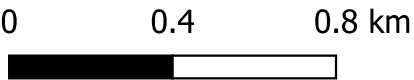
Date: 09/07/2024
Drawn: KY

Checked: SB

Scale: 1:4,500 @ A3
Approved: SB



- Key:
- Site boundary
 - Proposed infrastructure
 - Turbine
 - Access track
 - Construction compound
 - Crane pad temporary areas
 - Substation
 - Crane pad hardstand
 - Initial likelihood
 - Probable
 - Likely
 - Unlikely
 - Negligible
 - No Peat

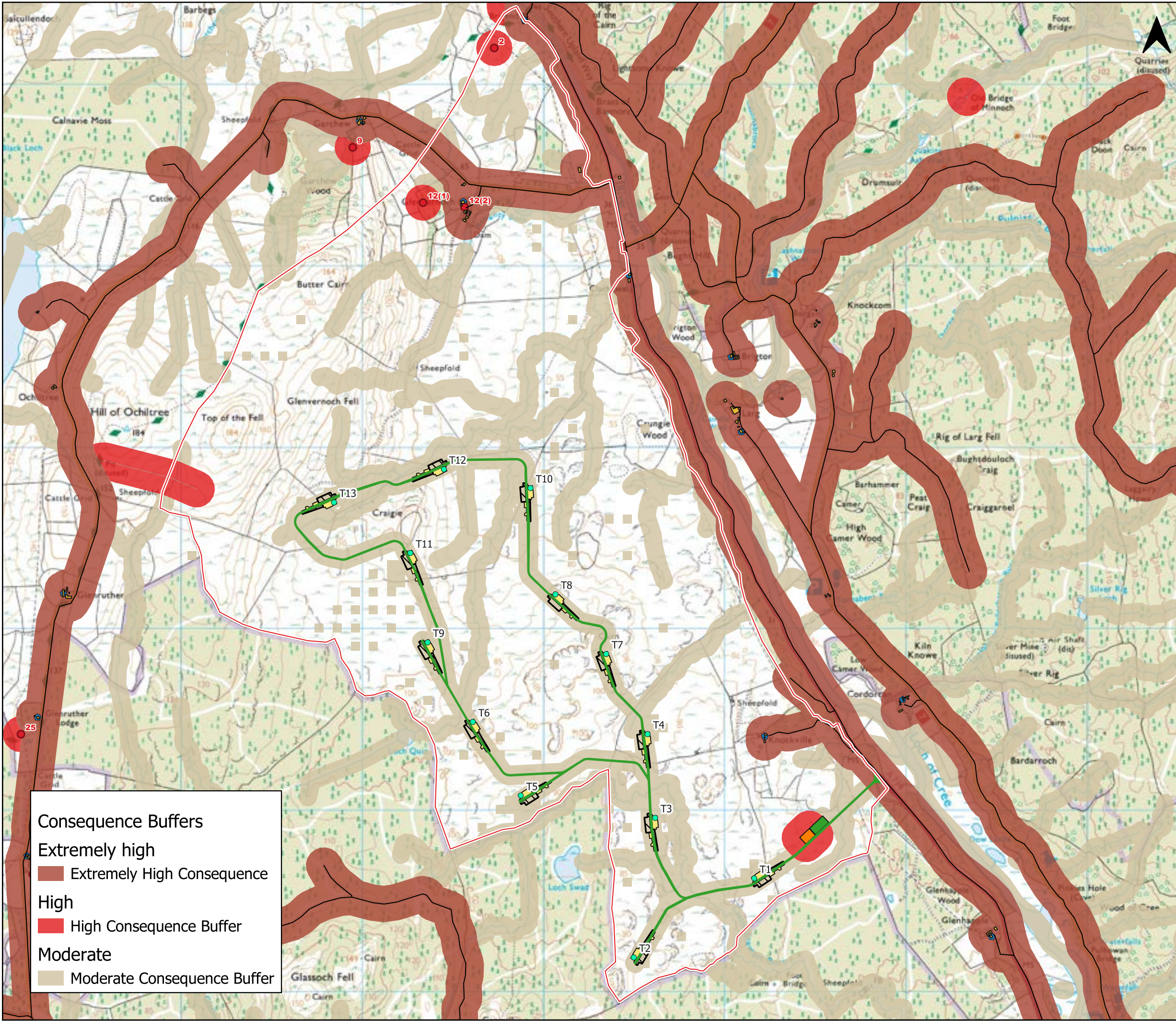


Client: **EnergieKontor**

Project: **Glenvernoch Wind Farm**

Title: **Figure 12.10 Initial Likelihood Overview**

Date: 09/07/2024
Drawn: KY
Checked: SB
Scale: 1:18,500 @ A3
Approved: SB



Consequence Buffers

Extremely high

Extremely High Consequence

High

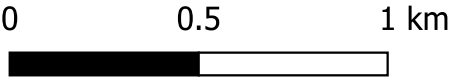
High Consequence Buffer

Moderate

Moderate Consequence Buffer



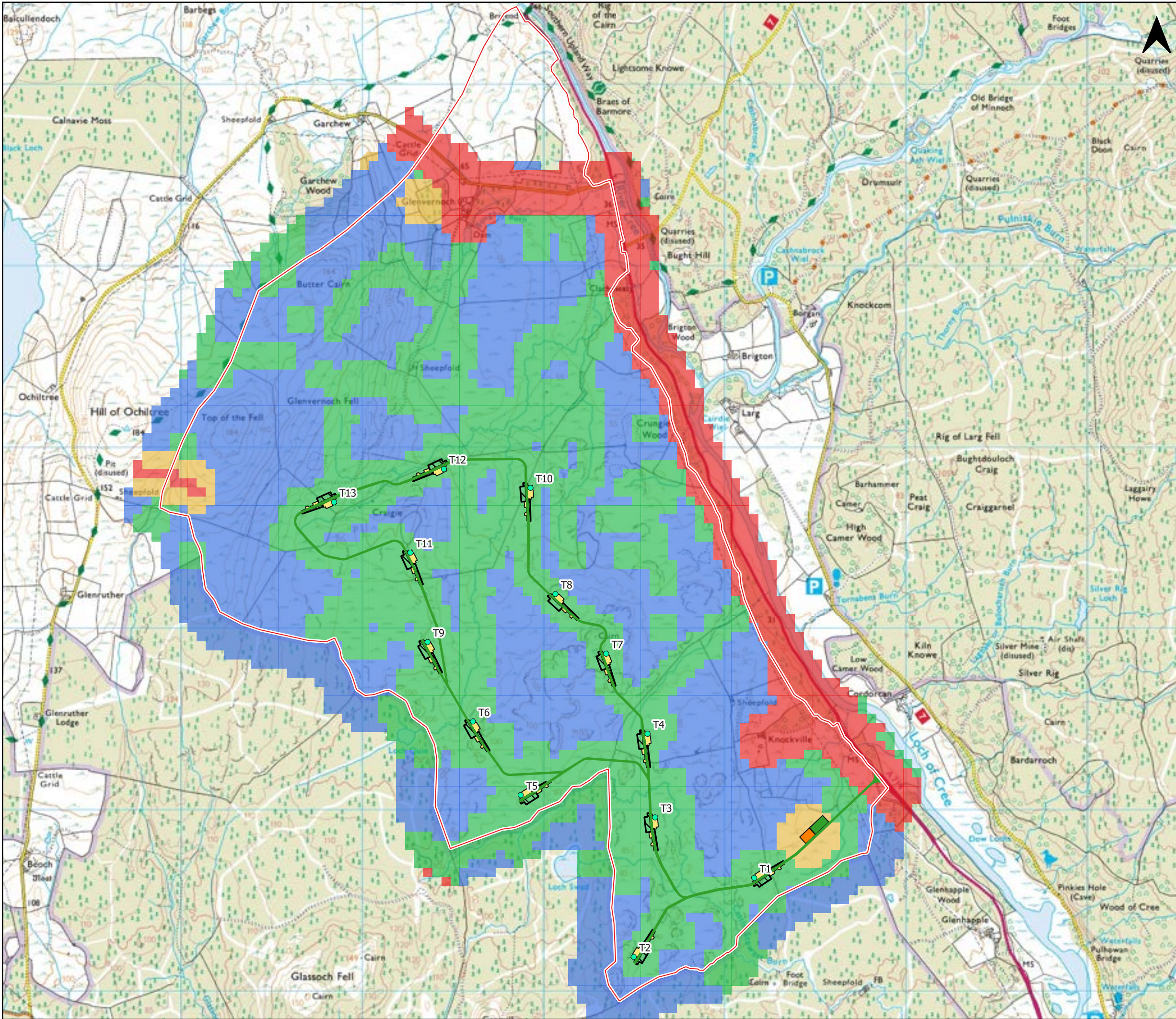
- Key:
- Site boundary
 - Proposed infrastructure
 - Turbine
 - Access track
 - Construction compound
 - Crane pad temporary areas
 - Substation
 - Crane pad hardstand
 - Receptors
 - Infrastructure
 - Roads
 - Buildings
 - Private Water Supplies
 - Abstraction
 - Property



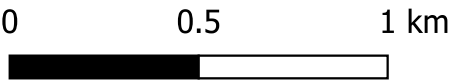
Project: **Glenvernoch Wind Farm**

Title: **Figure 12.11 Receptors**

Date: 09/07/2024
Drawn: KY
Checked: SB
Scale: 1:20,000 @ A3
Approved: SB



- Key:
- Site boundary
 - Proposed infrastructure
 - Turbine
 - Access track
 - Construction compound
 - Crane pad temporary areas
 - Substation
 - Crane pad hardstand
 - Consequence
 - Extremely High
 - High
 - Moderate
 - Low

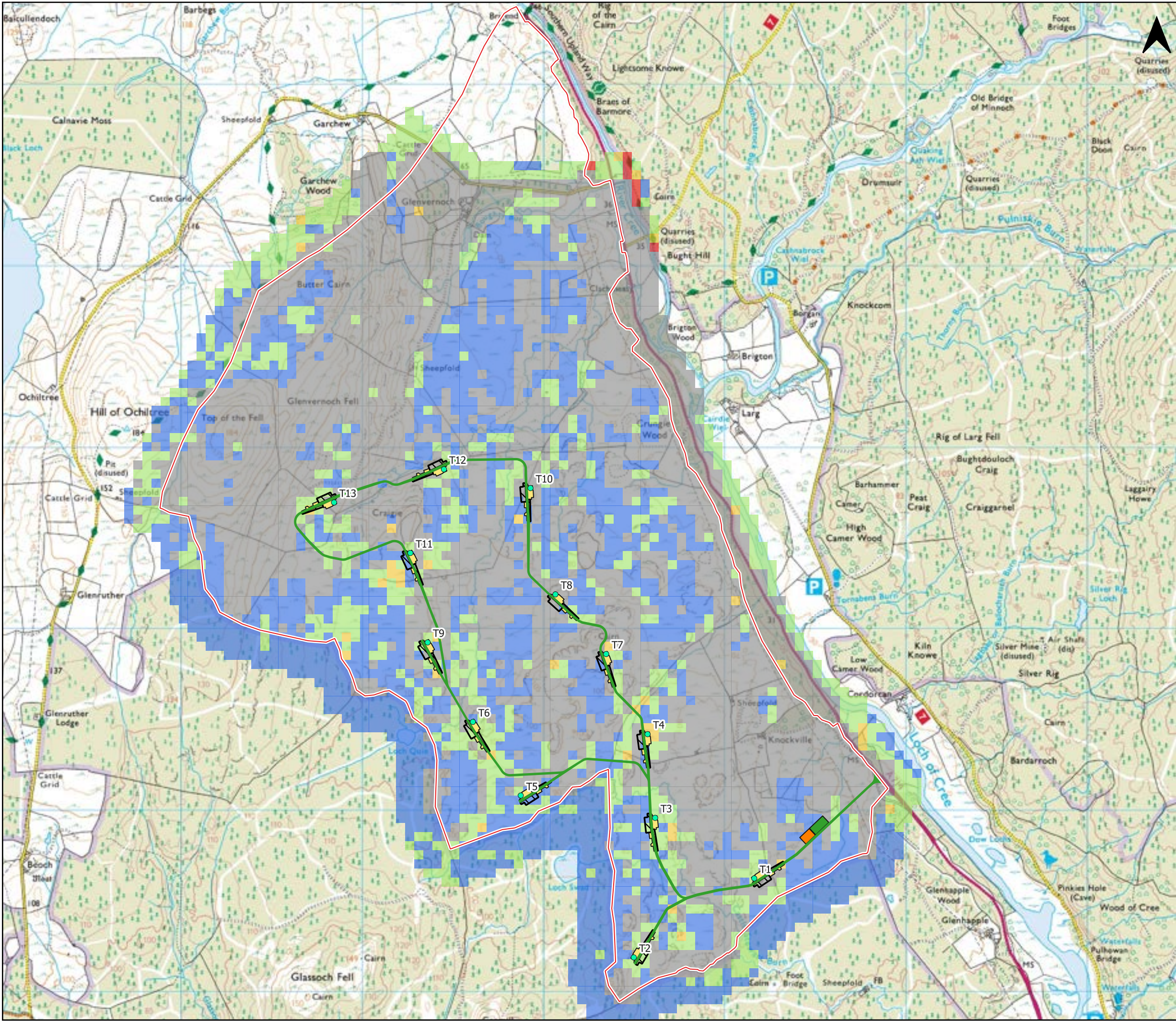


Client:

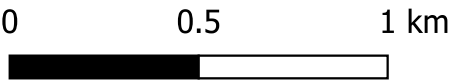
Project: **Glenvernoch Wind Farm**

Title: **Figure 12.12 Consequences**

Date: 09/07/2024
Drawn: KY
Checked: SB
Scale: 1:20,000 @ A3
Approved: SB



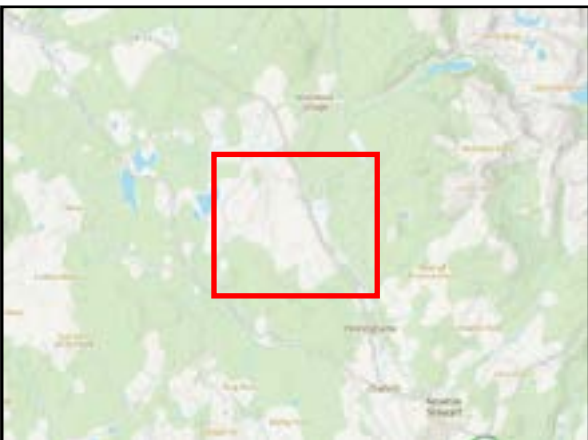
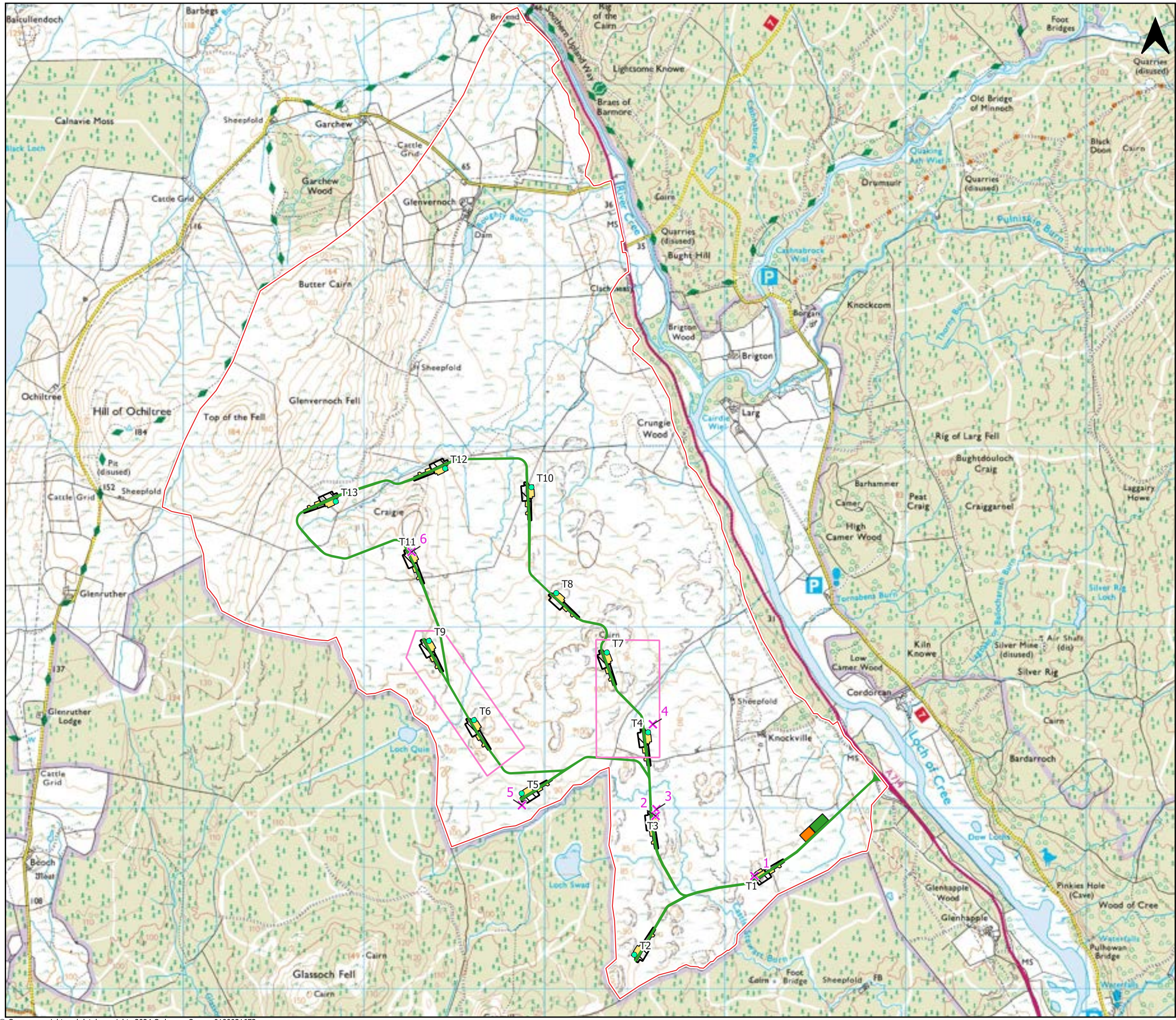
- Key:
- Site boundary
 - Proposed infrastructure
 - Turbine
 - Access track
 - Construction compound
 - Crane pad temporary areas
 - Substation
 - Crane pad hardstand
 - Initial risk
 - High
 - Low
 - Moderate
 - Negligible
 - No peat



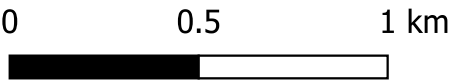
Project: **Glenvernoch Wind Farm**

Title: **Figure 12.13 Initial Risk**

Date: 09/07/2024
Drawn: KY
Checked: SB
Scale: 1:20,000 @ A3
Approved: SB



- Key:
- Site boundary
 - Peat Cores
 - Detailed Assessment Areas
 - Proposed infrastructure
 - Turbine
 - Access track
 - Construction compound
 - Crane pad temporary areas
 - Substation
 - Crane pad hardstand

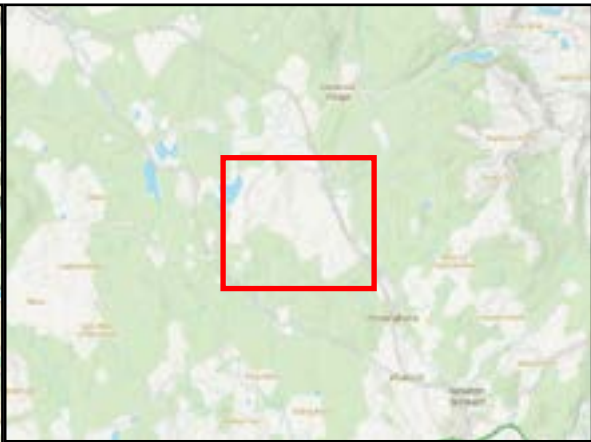
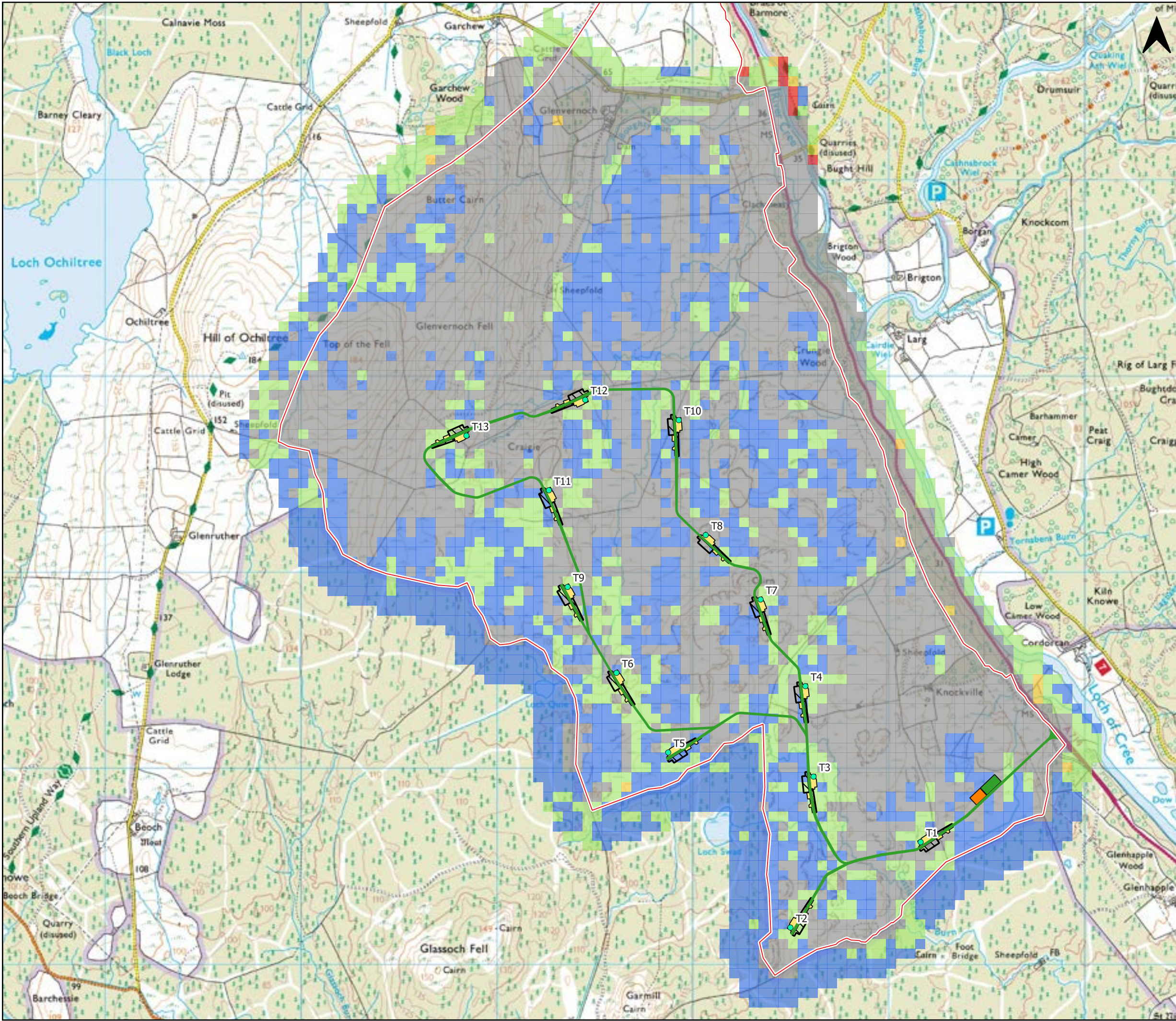


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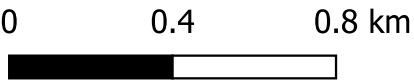
Project: **Glenvernoch Wind Farm**

Title: **Figure 12.14 Detailed Assessment Areas**

Date: 09/07/2024
Drawn: KY
Checked: SB
Scale: 1:20,000 @ A3
Approved: SB



- Key:
- Site boundary
 - Proposed infrastructure
 - Turbine
 - Access track
 - Construction compound
 - Crane pad temporary areas
 - Substation
 - Crane pad hardstand
 - Revised Risk
 - High
 - Low
 - Moderate
 - Negligible
 - No peat



Client:

Project: **Glenvernoch Wind Farm**

Title: **Figure 12.15 Revised Risk**

Date: 09/07/2024
Drawn: KY
Checked: SB
Scale: 1:18,500 @ A3
Approved: SB