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EIA Report
for Wind Power North Four Limited

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Figure 9.3: Hydrology Overview and Peatland Classification for the Grid Connection

- Site boundary
- Turbine
- Crookston Substation
- Glenouther Substation
- Likely Grid Connection Route

Watercourses and flood risk

- OS surface water lines (watercourses)
- OS surface water areas (waterbodies)

SEPA Future Surface Water and Small Watercourses Medium Likelihood

- By the 2070s, each year this area may have a 0.5% chance of flooding

SEPA Future Flood Maps River Medium Likelihood

- By the 2080s, each year this area may have a 0.5% chance of flooding

NatureScot Carbon and Peatland (2016) Classification

- Class 1: Nationally important carbon-rich soils, deep peat and priority peatland habitat.Areas likely to be of high conservation value.
- Class 5: Soil information takes precedence over vegetation data. No peatland habitat recorded. May also include areas of bare soil. Soils are carbon-rich and deep peat.

0 1 2 km

Map scale 1:50,000 @ A3

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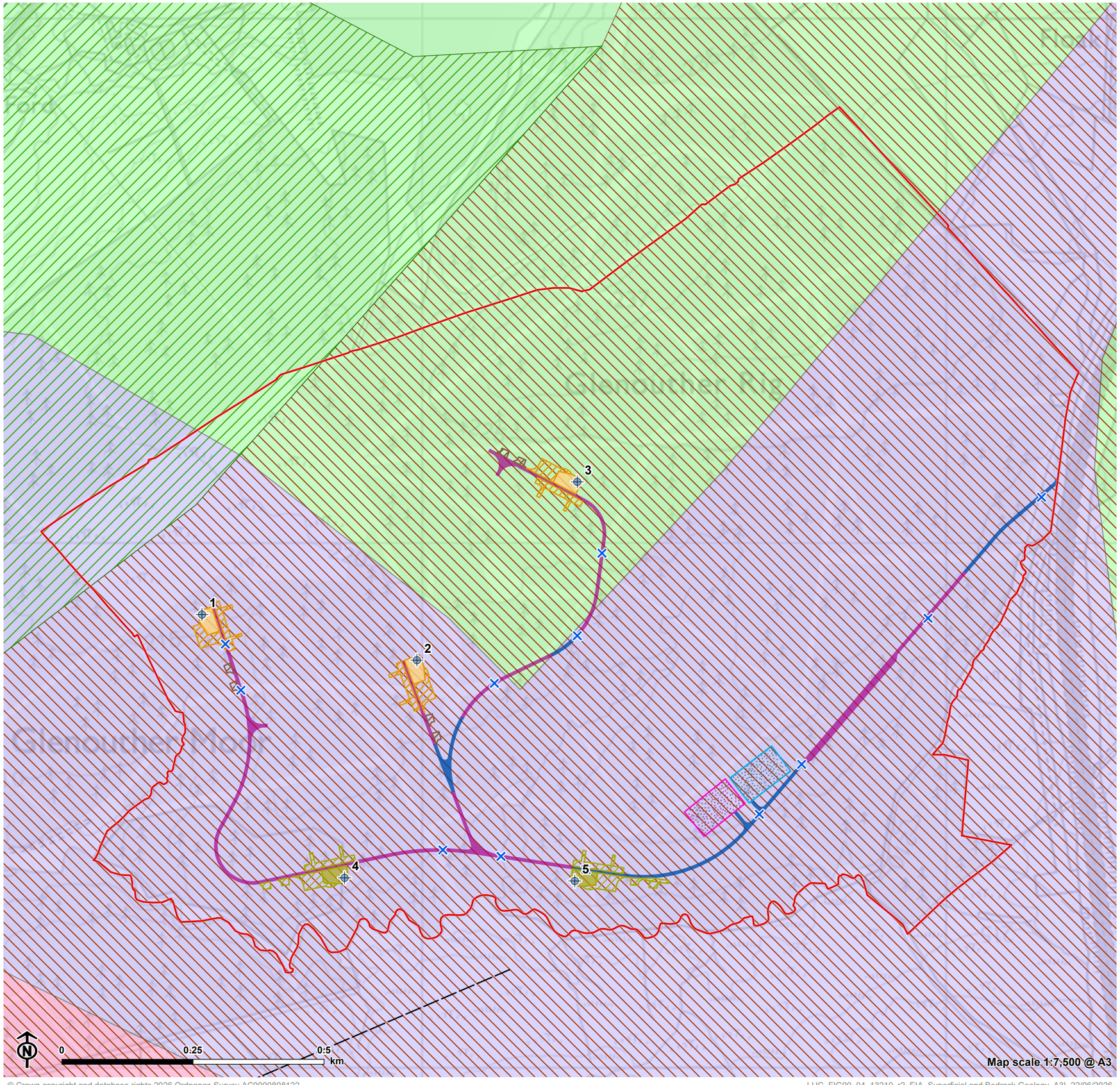
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Figure 9.4: Superficial and Bedrock Geology



Site boundary
Turbine
Construction compound (temporary)
Substation compound
New access track/ turning head (floated)
New access track (excavated)
Piled turbine foundation/hardstanding (permanent) (T1, T2 and T3)
Excavated turbine foundation/hardstanding (permanent) (T4 and T5)
Floating hardstanding (temporary) (T1, T2 and T3)
Piled auxiliary crane pad (temporary) (T1, T2 and T3)
Excavated hardstanding (temporary) (T4 and T5)
Watercourse crossing

Superficial and Bedrock Geology

Superficial geology
Peat
Till

Bedrock geology (Lithology)
Flow moss lava member
Harelaw lava member
Limestone coal formation
Fault at rockhead

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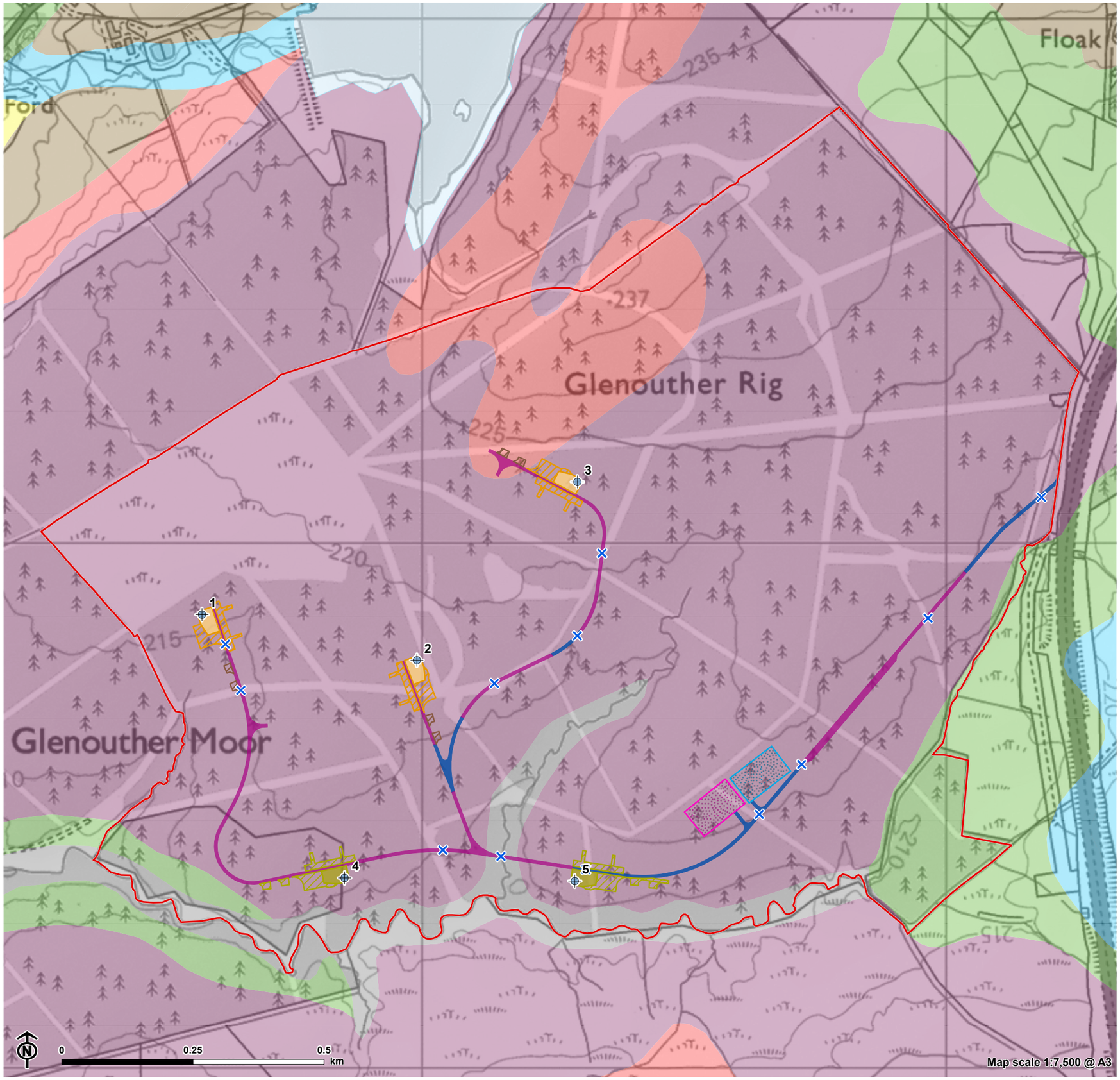
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LUC FIG09_04_13210_r2_EIA_Superficial and Bedrock Geology_A3L 22/06/2026
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Figure 9.5: Soils



- Site boundary
- Turbine
- Construction compound (temporary)
- Substation compound
- New access track/ turning head (floated)
- New access track (excavated)
- Piled turbine foundation/hardstanding (permanent) (T1, T2 and T3)
- Excavated turbine foundation/hardstanding (permanent) (T4 and T5)
- Floating hardstanding (temporary) (T1, T2 and T3)
- Piled auxiliary crane pad (temporary) (T1, T2 and T3)
- Excavated hardstanding (temporary) (T4 and T5)
- Watercourse crossing

National Soil Map of Scotland: generalised soil type (partial cover). James Hutton Soil Map (2022)

- Alluvial soils
- Brown soils
- Mineral gleys
- Peat
- Peaty gleys
- Peaty podzols
- Lochs
- No data

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Soil maps of Scotland (partial coverage). Digital version 10 release. James Hutton Institute, Aberdeen. DOI 10.5281/zenodo. 6908156.

LUC FIG09_05_13210_r1_EIA_Soils_A3L 22/06/2026
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