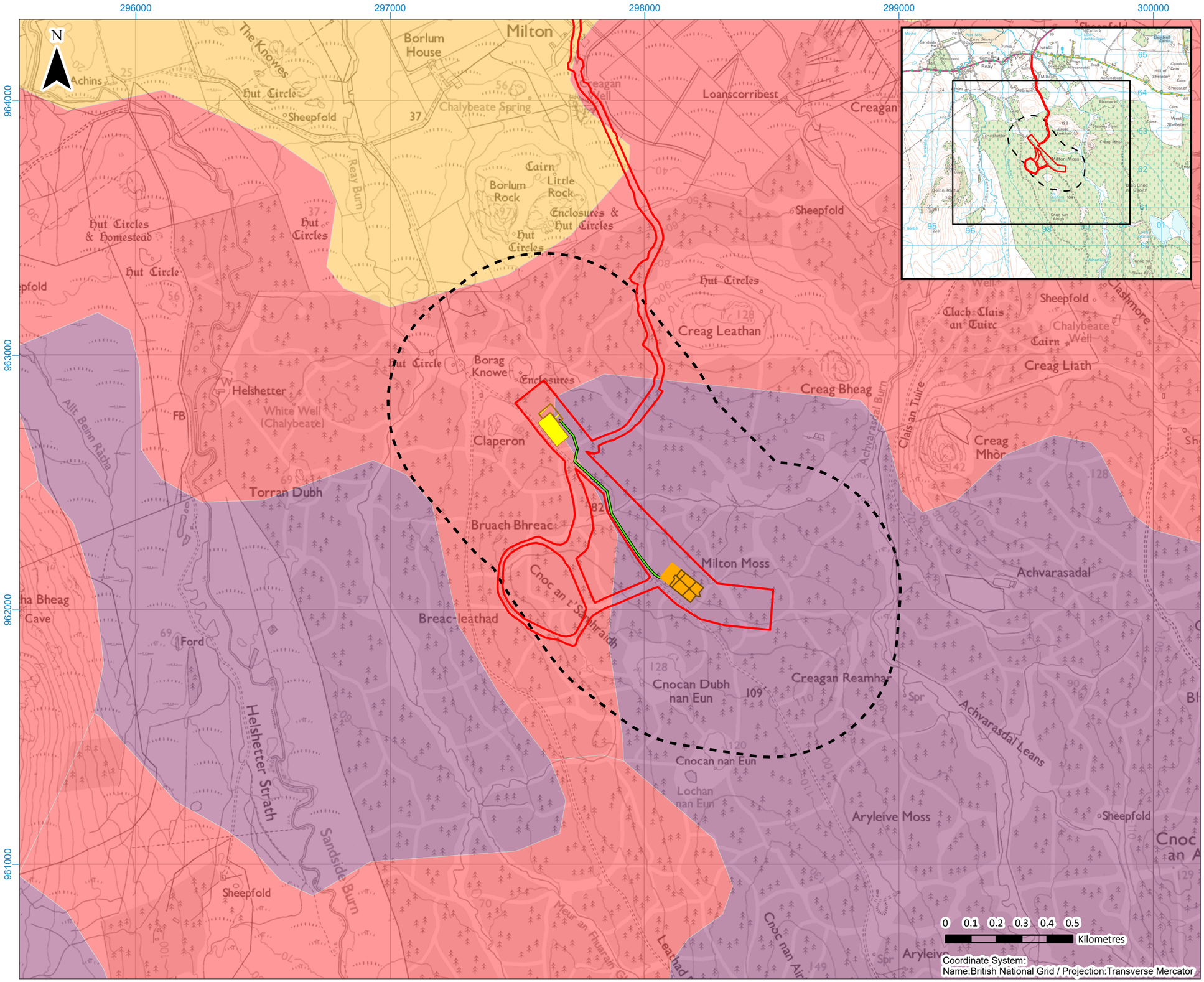
Figure 9.1 : Soils



Legend:

- Proposed Site Boundary
- Study Area (Developable Area 500 m Buffer)
- Proposed Substation Extension
- Existing Substation
- Proposed Battery Energy Storage System (BESS) Compound Area
- Proposed Battery Energy Storage System (BESS)
- Indicative Underground Cable Route

Soil Map of Scotland - Generalised Soil Type

- Mineral Podzols
- Peat
- Peaty Podzols

Title

Soils

Project:

Limekiln Battery Energy Storage System (BESS)

Source:

Credits: © Crown copyright [and database rights] (2025) AC0000808122 OS OpenData. 'Soil Survey of Scotland Staff (1981). Soil maps of Scotland at a scale of 1:250 000. Macaulay Institute for Soil Research, Aberdeen'.

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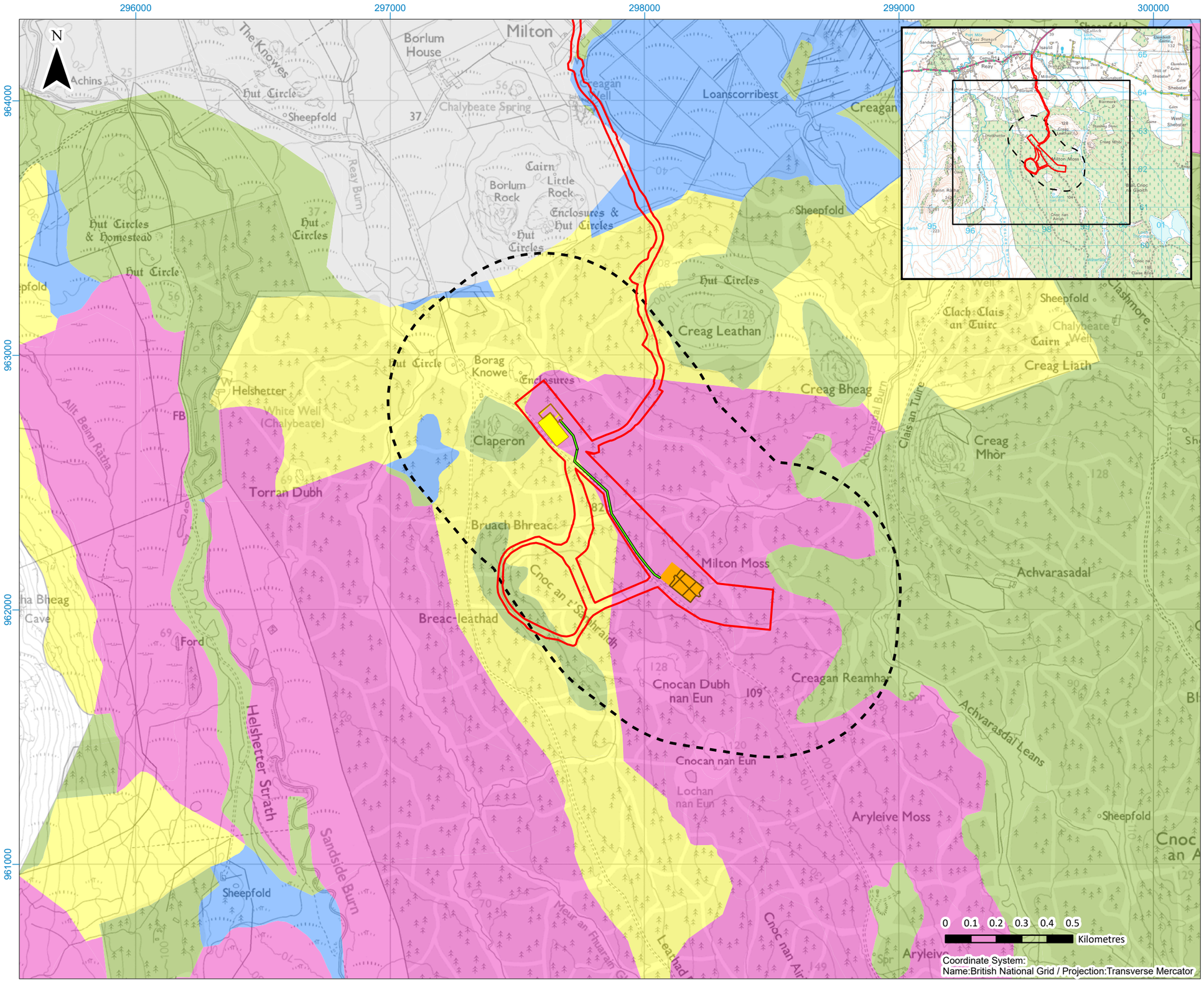
Environmental Report – Limekiln BESS – July 2025

Figure: 9.1

Figure 9.3 : Peatland Classification



Legend:

- Proposed Site Boundary
- Study Area (Developable Area 500 m Buffer)
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- Proposed Battery Energy Storage System (BESS)
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National Importance for Carbon-rich Soil, Deep Peat and Priority Peatland Habitat

- CLASS 1 All Vegetation Cover is Priority Peatland Habitats. All Soils are Carbon-rich Soils and Deep Peat
- CLASS 2 The Vegetation Cover is Dominated by Priority Peatland Habitats. All Soils are Carbon-rich Soil and Deep Peat
- CLASS 3 Dominant Vegetation Cover is not Priority Peatland Habitat but is Associated with Wet and Acidic Type. Occasional Peatland Habitats Can Be Found. Most Soils are Carbon-rich Soils, With Some Areas of Deep Peat
- CLASS 4 Area Unlikely to be Associated with Peatland Habitats or Wet and Acidic Type. Area Unlikely to Include Carbon-rich Soils
- CLASS 5 Soil Information Takes Precedence Over Vegetation Data. No Peatland Habitat Recorded. May Also Show Bare Soil. All Soils are Carbon-rich Soil and Deep Peat
- Mineral Soils - Peatland Habitats are not Typically Found on Such Soils

Title

Peatland Classification

Project:

Limekiln Battery Energy Storage System (BESS)

Source:

Credits: © Crown copyright [and database rights] (2025) AC0000808122 OS OpenData.
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Figure 9.4a : Bedrock Geology

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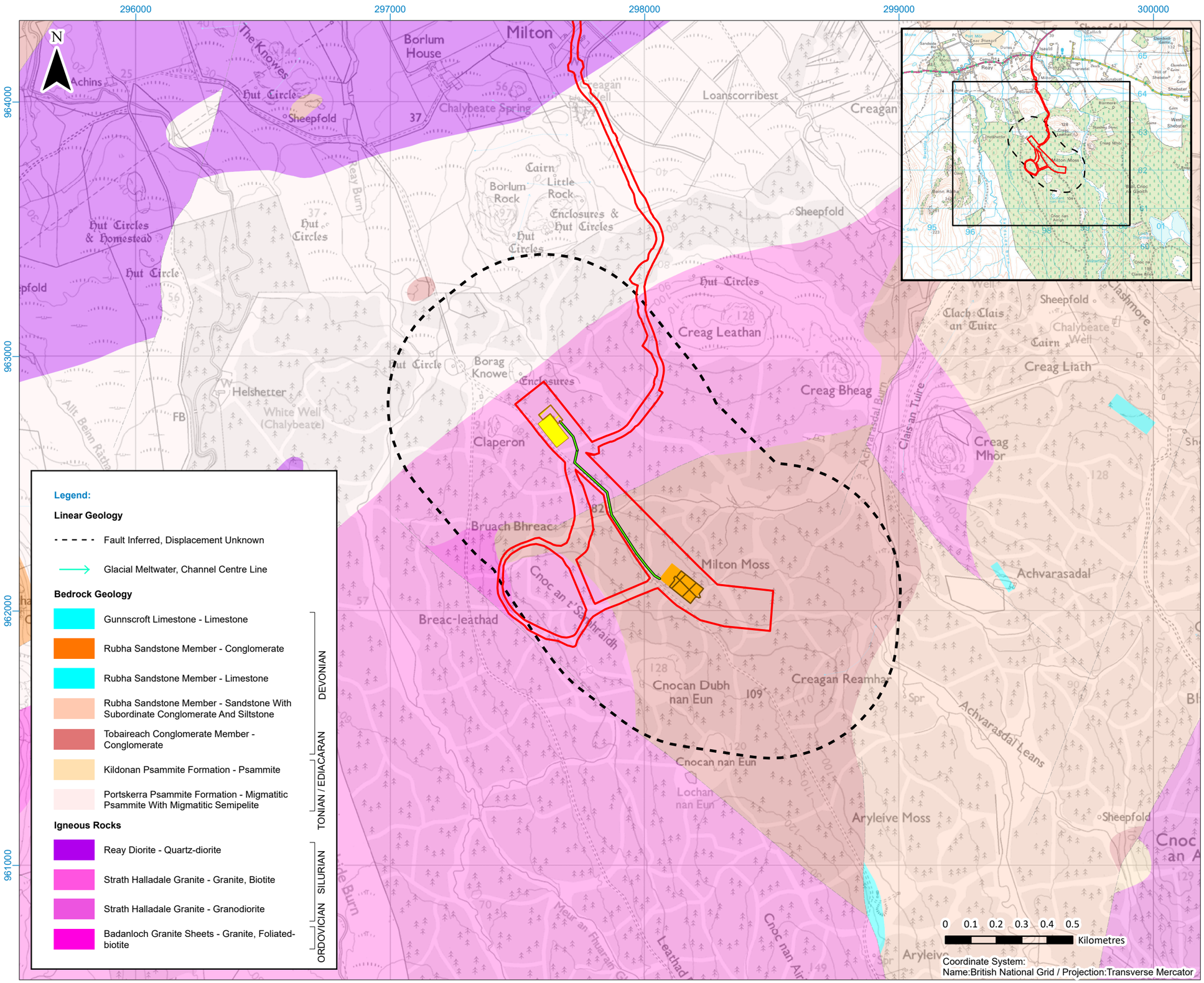

Legend:

Linear Geology

- Fault Inferred, Displacement Unknown
- Glacial Meltwater, Channel Centre Line

Bedrock Geology

Gunnscroft Limestone - Limestone	DEVONIAN
Rubha Sandstone Member - Conglomerate	DEVONIAN
Rubha Sandstone Member - Limestone	DEVONIAN
Rubha Sandstone Member - Sandstone With Subordinate Conglomerate And Siltstone	DEVONIAN
Tobaireach Conglomerate Member - Conglomerate	TONIAN / EDIACARAN
Kildonan Psammite Formation - Psammite	TONIAN / EDIACARAN
Portskerra Psammite Formation - Migmatitic Psammite With Migmatitic Semipelite	TONIAN / EDIACARAN

Igneous Rocks

Reay Diorite - Quartz-diorite	SILURIAN
Strath Halladale Granite - Granite, Biotite	SILURIAN
Strath Halladale Granite - Granodiorite	SILURIAN
Badanloch Granite Sheets - Granite, Foliated-biotite	ORDOVICIAN

Legend:

- Proposed Site Boundary
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Title

Bedrock Geology

Project:

Limekiln Battery Energy Storage System (BESS)

Source:

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AC0000808122 OS OpenData.
Bedrock Geology data obtained via BGS WMS.
British Geological Survey ©NERC. All Rights Reserved [2025].

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