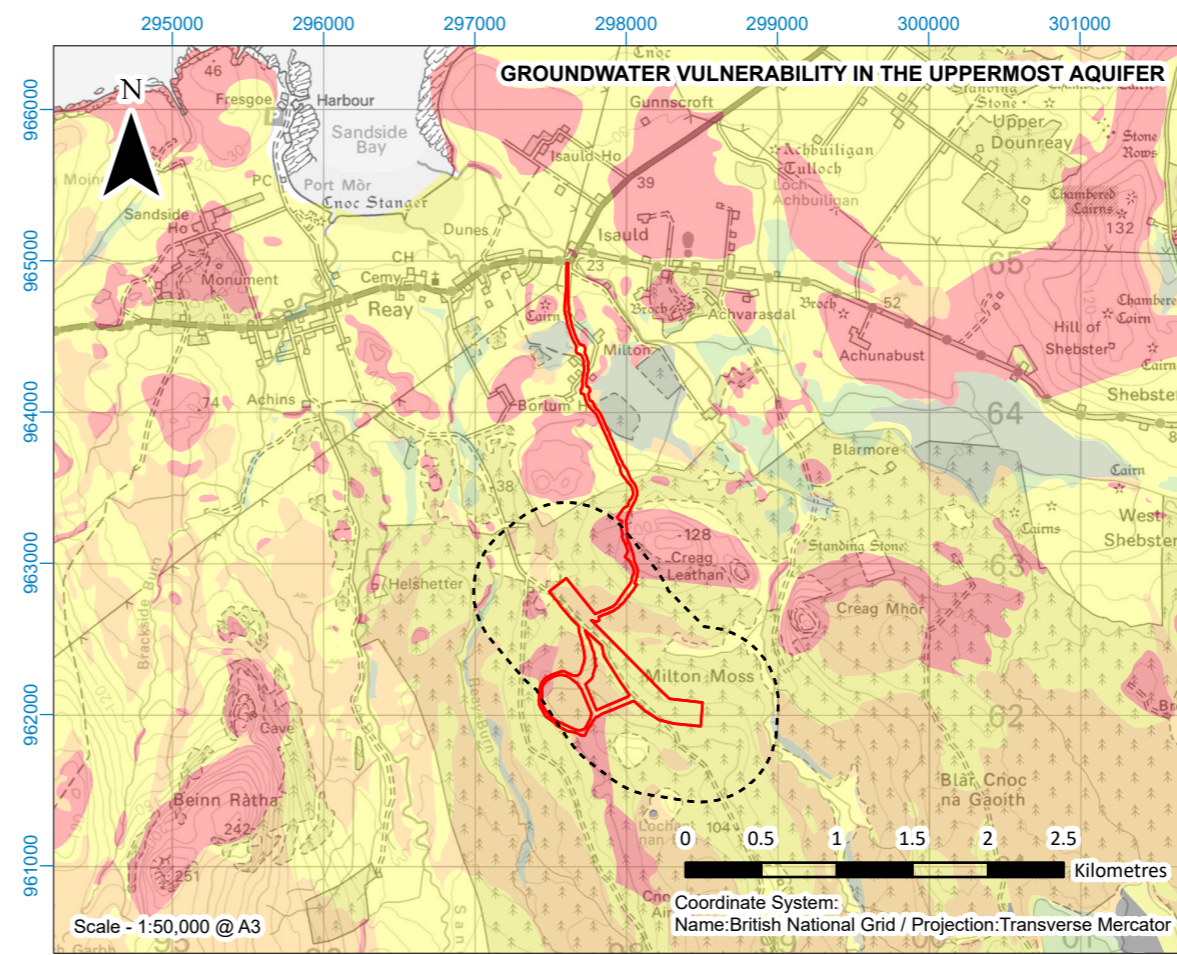
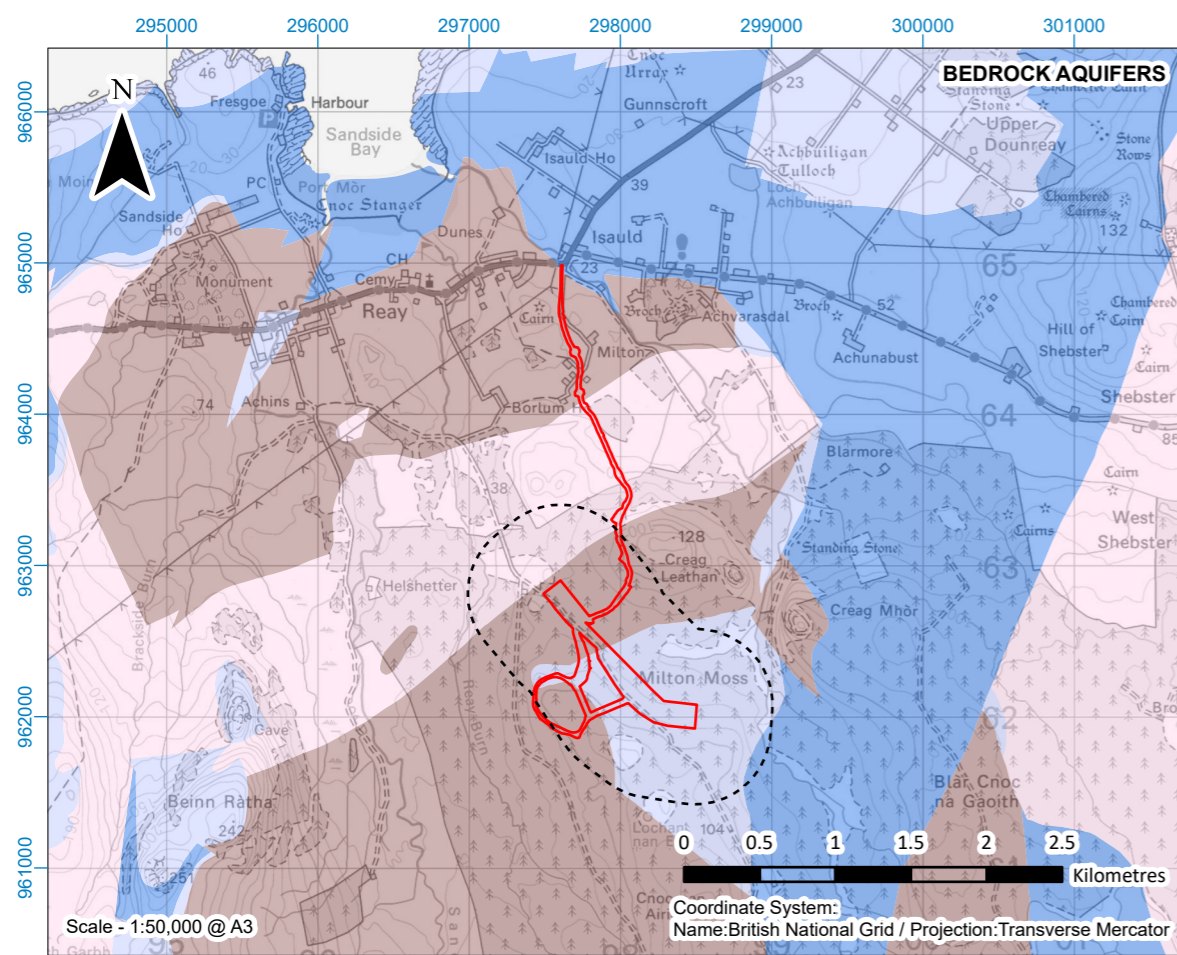
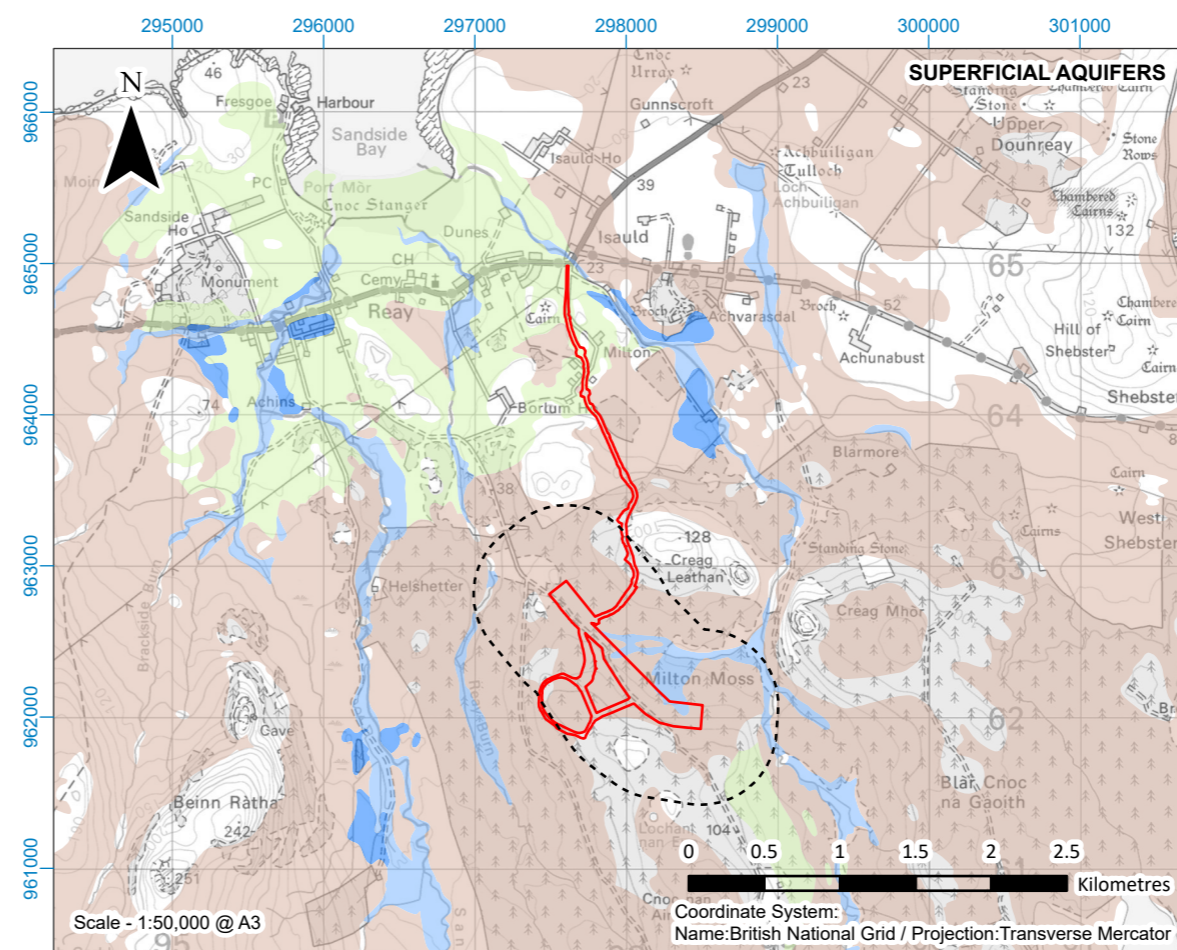
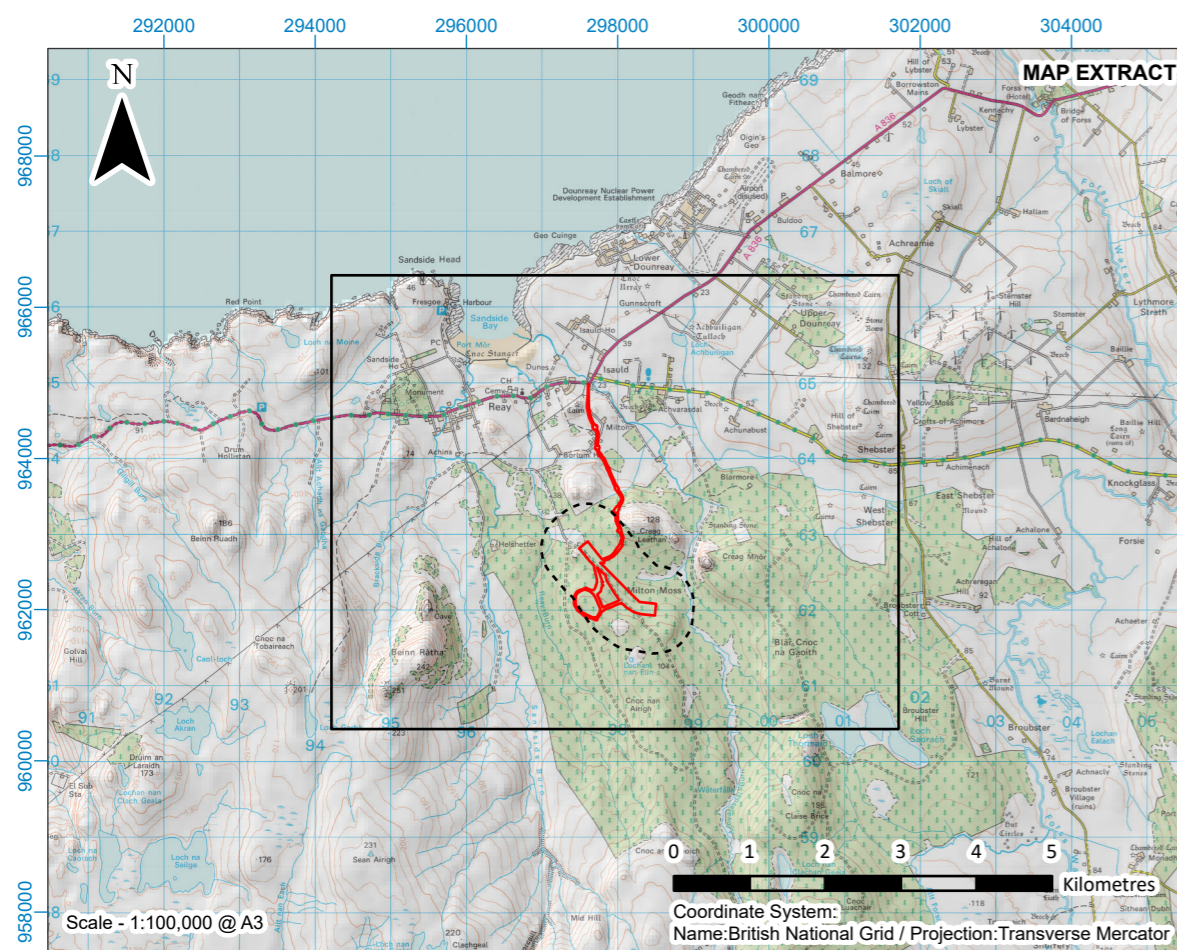


Figure 10.3: Groundwater Vulnerability



**Legend:**

- Proposed Site Boundary
- Study Area (Developable Area 500 m Buffer)

**Superficial Deposits Aquifer Productivity Scotland, Version 2**

- Intergranular; High Productivity
- Intergranular; Moderate to High Productivity
- Intergranular; Low to Moderate Productivity
- Not a significant aquifer

**Bedrock Aquifer Productivity Scotland, Version 2**

- Intergranular/Fracture; High Productivity
- Intergranular/Fracture; Moderate Productivity
- Fracture; Low Productivity
- Fracture; Very Low Productivity

**Groundwater Vulnerability in the Uppermost Aquifer Vulnerability Class**

- 0 - Not sufficient data to classify vulnerability: e.g. below lochs; in urban areas where geological and/or soils data are missing; or where superficial deposits are mapped but not classified.
- 2 - Vulnerable to some pollutants, but only when they are continuously discharged/leached.
- 3 - Vulnerable to some pollutants; many others significantly attenuated.
- 4a - Vulnerable to those pollutants not readily adsorbed or transformed. Less likely to have clay present in superficial deposits (therefore generally higher vulnerability than 4b).
- 4b - Vulnerable to those pollutants not readily adsorbed or transformed. More likely to have clay present in superficial deposits (therefore generally lower vulnerability than 4a).
- 5 - Vulnerable to most pollutants, with rapid impact in many scenarios.

<b>Title</b>	Groundwater Vulnerability	
<b>Project:</b>	Limekiln Battery Energy Storage System (BESS)	
<b>Source:</b>	Credits: © Crown copyright [and database rights] (2025) AC0000808122 OS OpenData. BGS © UKRI - Contains OS Data © Crown Copyright 2025	
<b>Client:</b>	Boralex	
<b>Drawn by:</b>	MM	<b>Checked:</b> DB
<b>Date:</b>	27/06/2025	<b>Figure:</b> 10.3
<b>Scale:</b>	SCALE AS SHOWN	<b>Revision No.:</b> 0