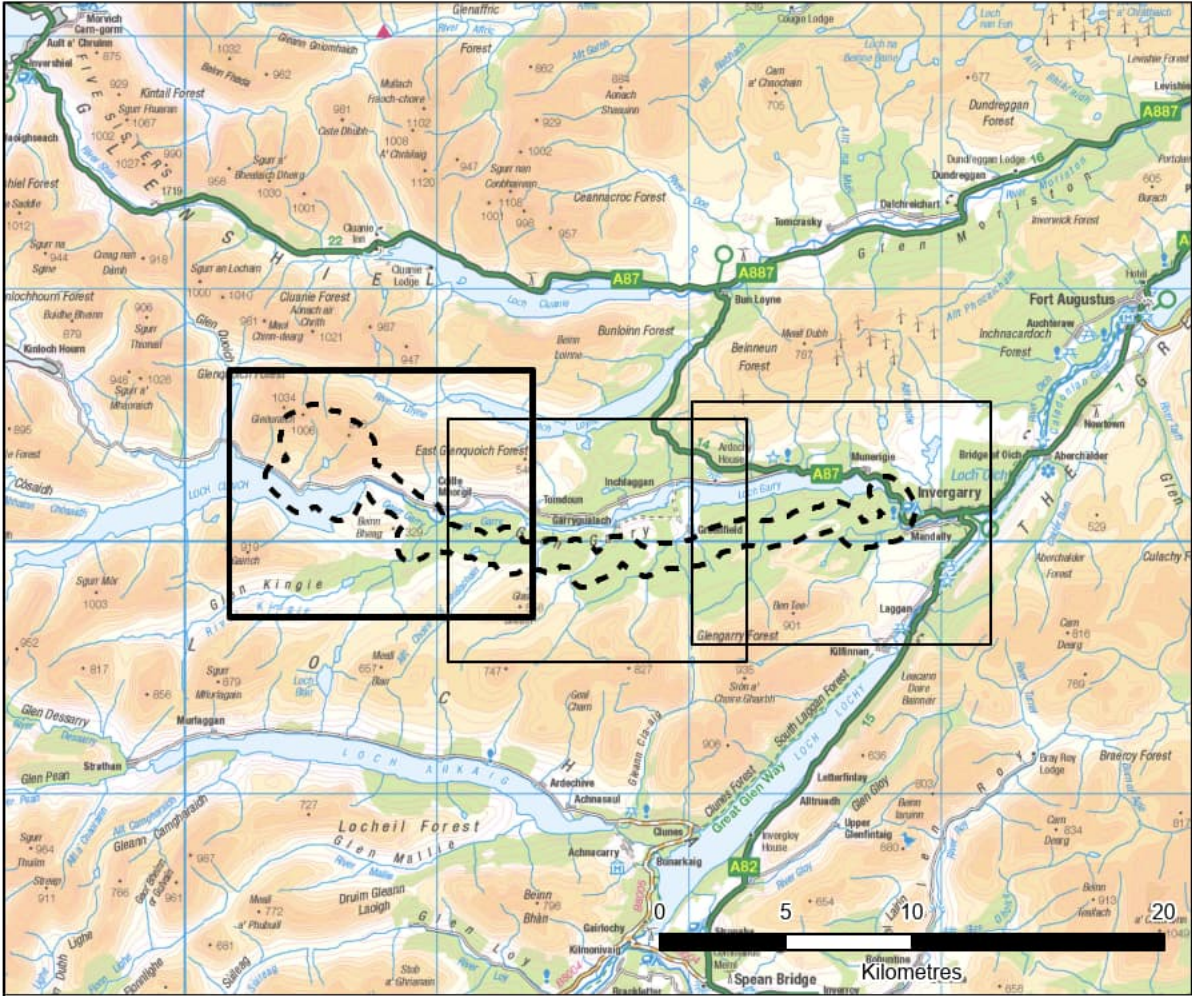
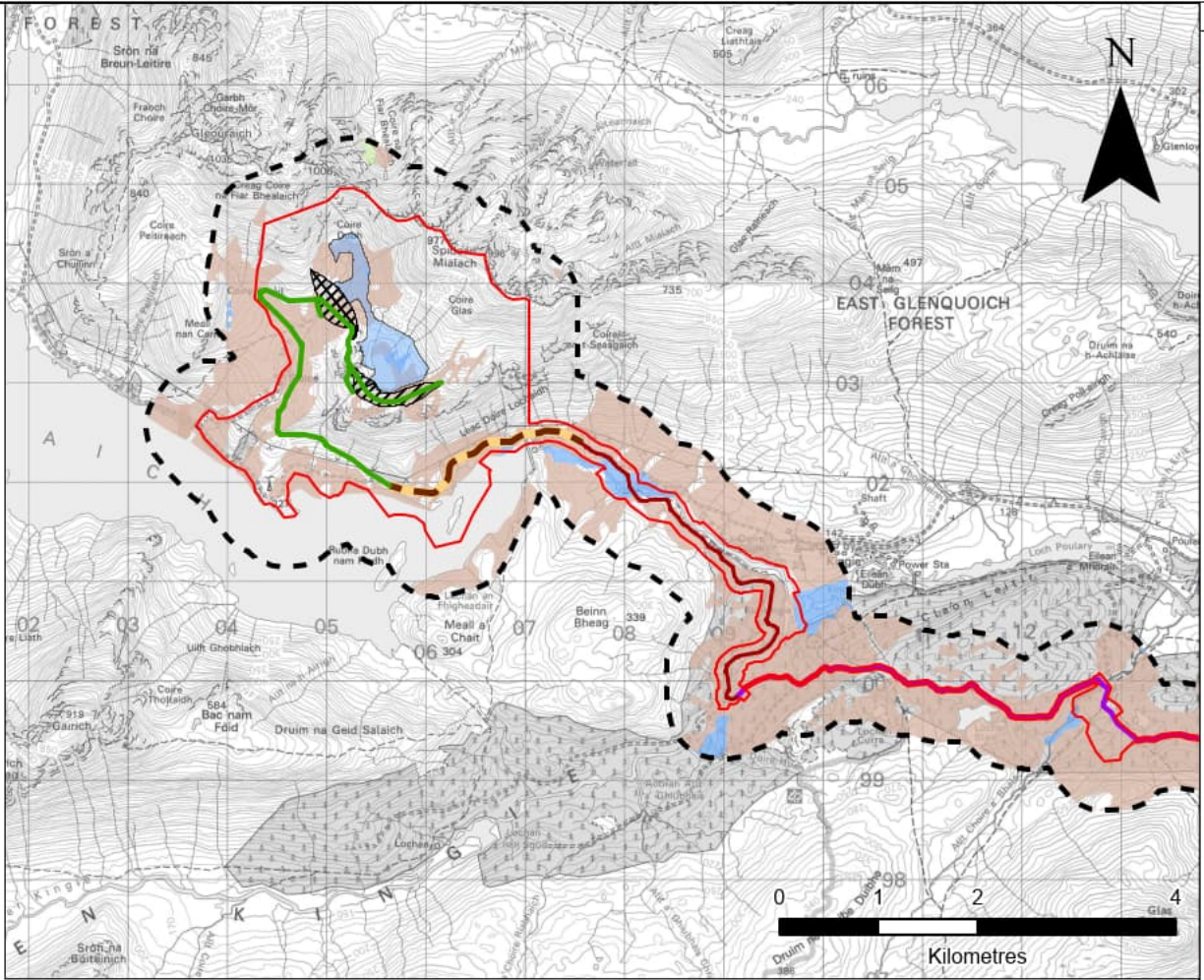
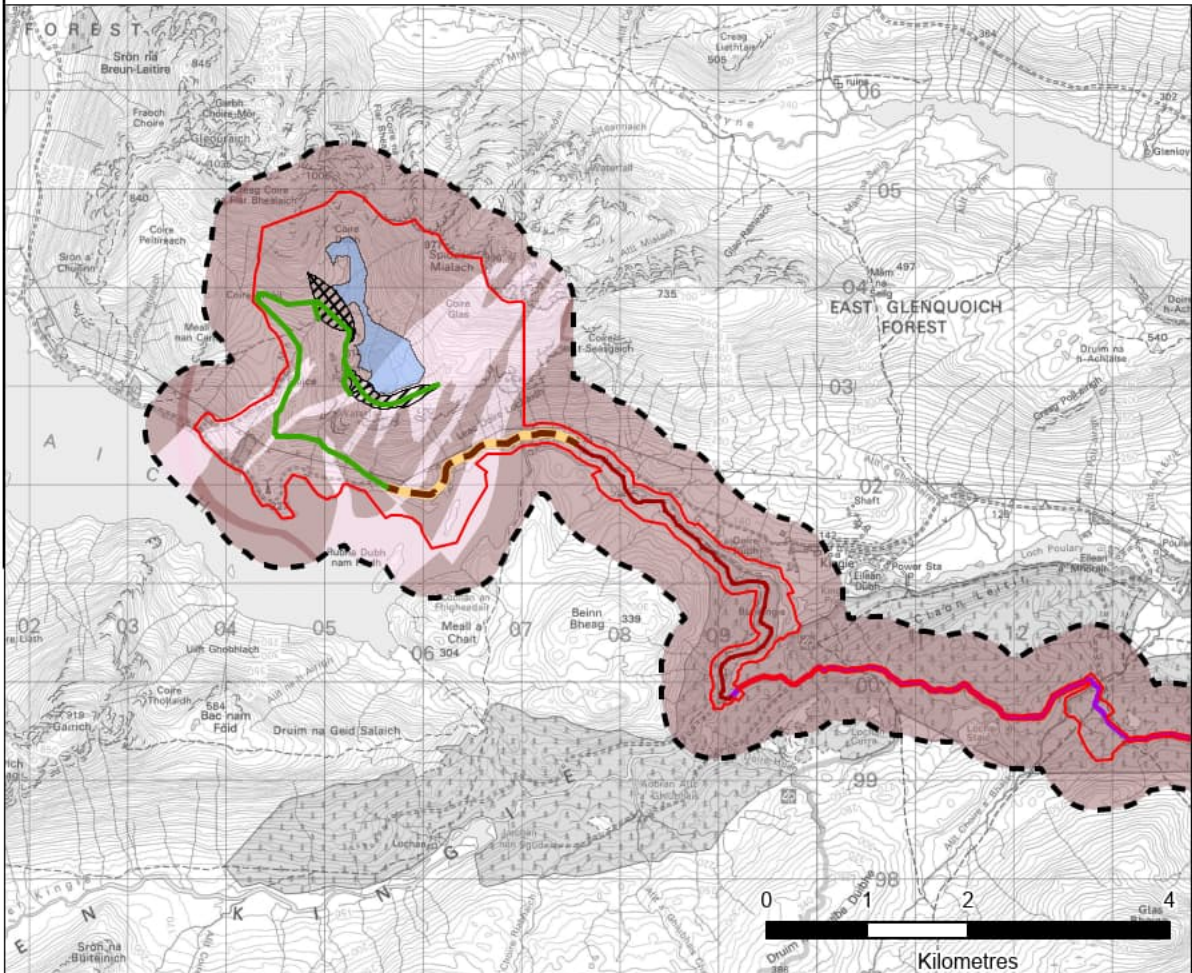




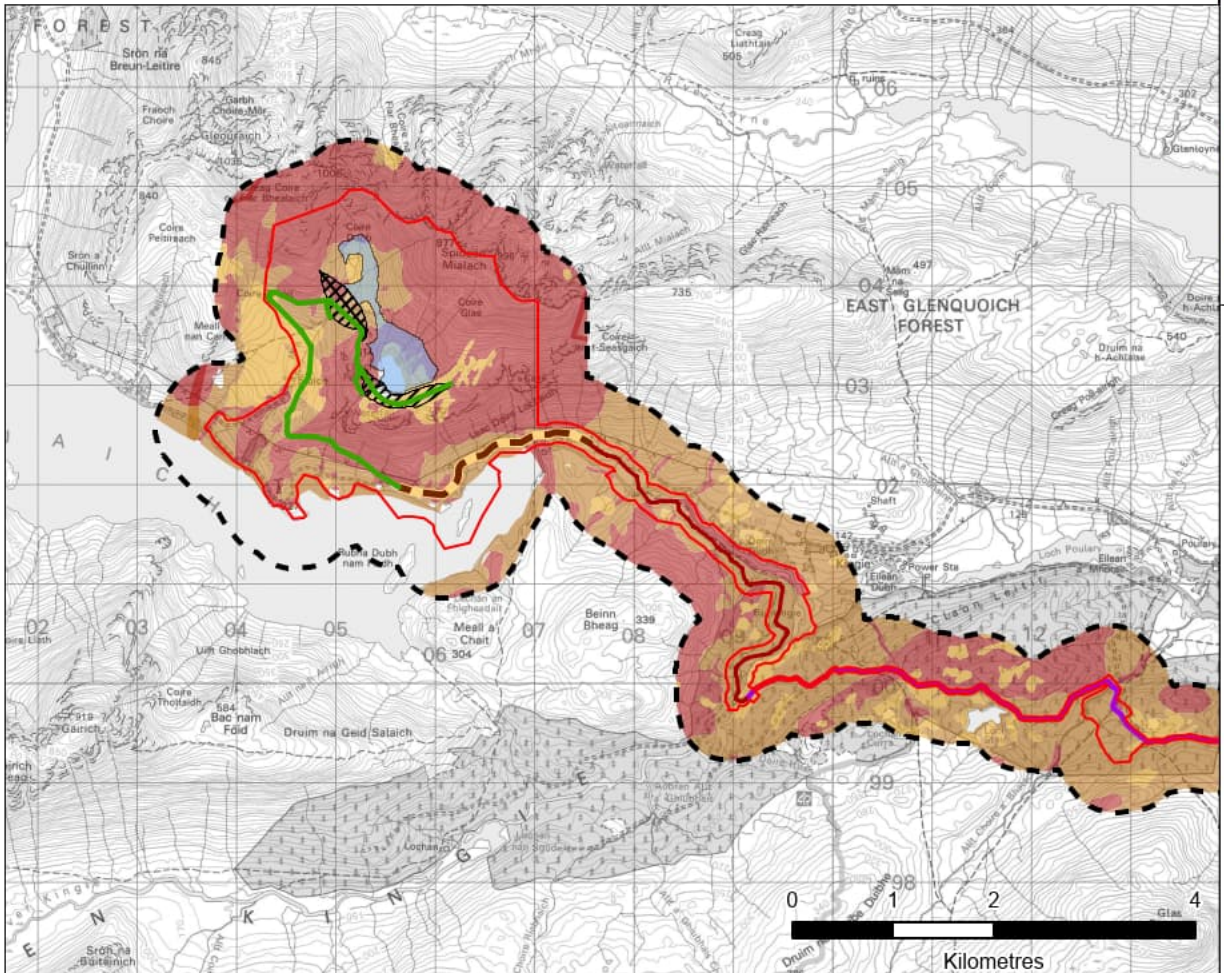
MAP EXTRACT Scale - 1:300,000 @ A3



SUPERFICIAL AQUIFERS Scale - 1:75,000 @ A3



BEDROCK AQUIFERS Scale - 1:75,000 @ A3



GROUNDWATER VULNERABILITY IN THE UPPERMOST AQUIFER Scale - 1:75,000 @ A3

LEGEND

- Site Boundary
- Study Area (500 m Buffer)
- Minimum Operating Level
- Proposed Dam Structure
- Proposed PSH Track
- Proposed Southern Access Route To Kingie
- Proposed C1144 Public Road Widening
- Existing Offsite Track

Superficial Deposits Aquifer Productivity Scotland, Version 2

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

Bedrock Aquifer Productivity Scotland, Version 2

- Fracture; Low Productivity
- Fracture; Very Low Productivity

Groundwater Vulnerability in the Uppermost Aquifer Vulnerability Class

- 5 - Vulnerable to most pollutants, with rapid impact in many scenarios.
- 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).
- 3 - Vulnerable to some pollutants; many others significantly attenuated.

FEARNA PSH LIMITED

SLR

FEARNA PSH

GEOLOGY, SOILS AND WATER

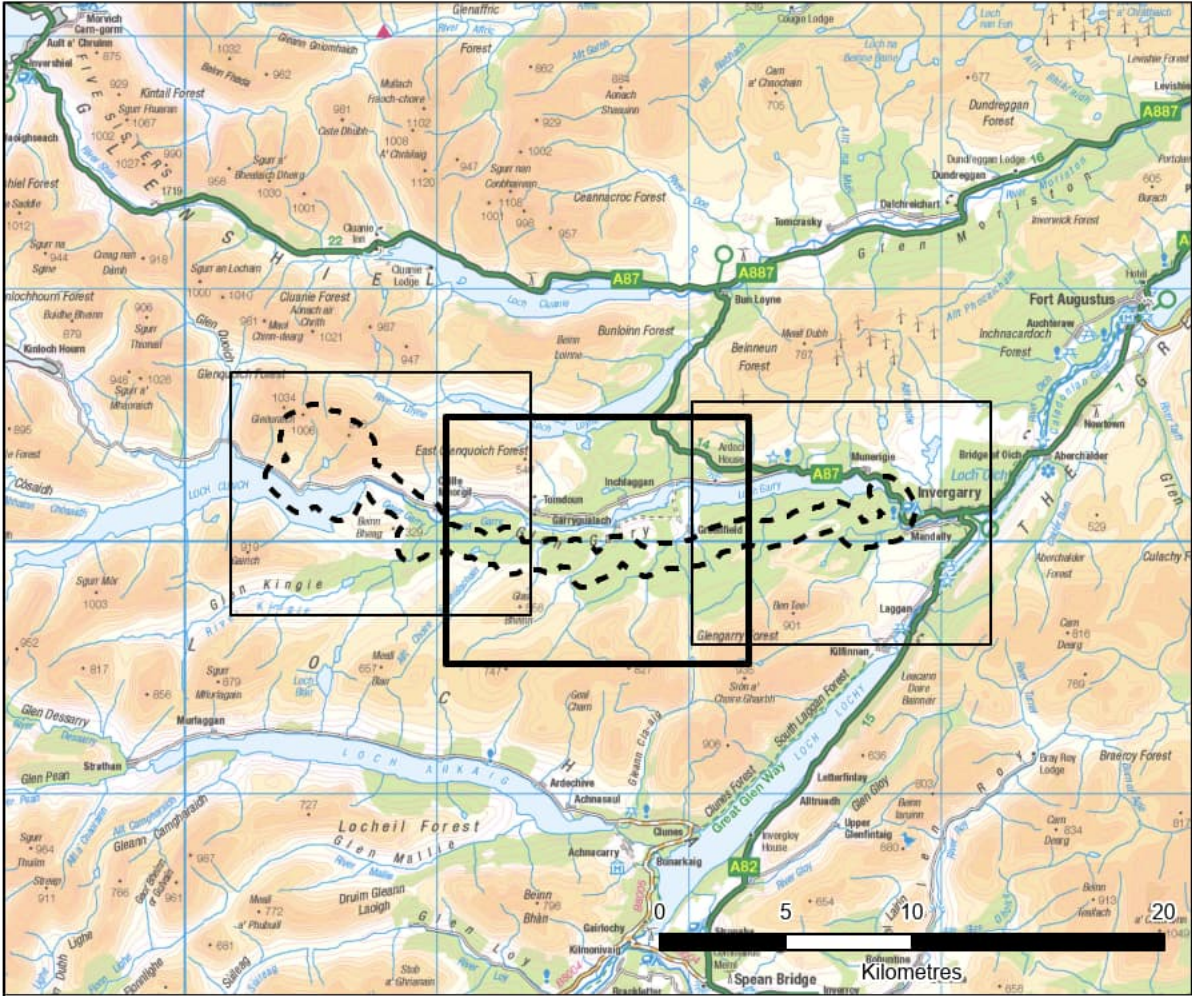
GROUNDWATER VULNERABILITY

FIGURE 12.7a

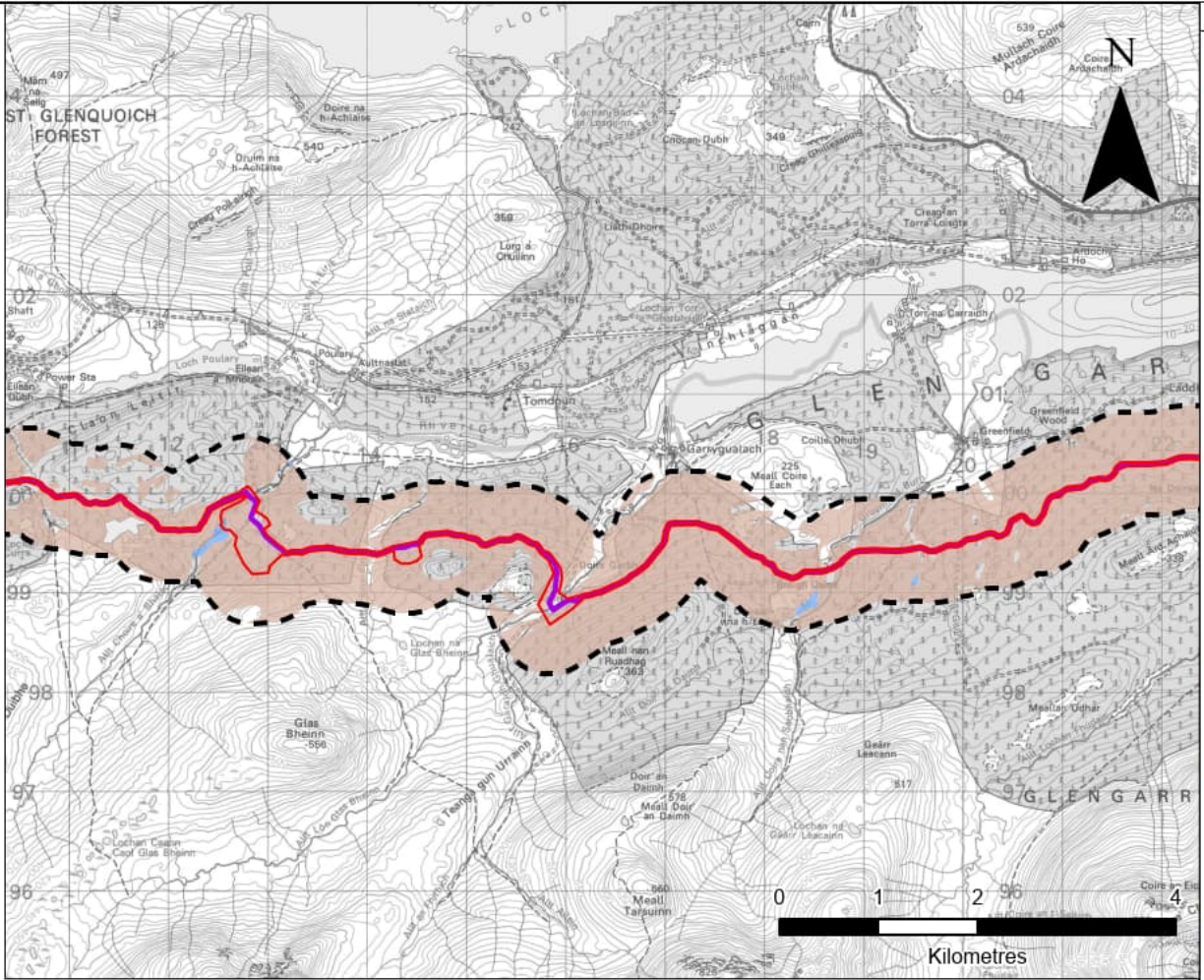
SCALE AS SHOWN

Date FEBRUARY 2025

428.013125.00001.0015.1 Groundwater Vulnerability



MAP EXTRACT Scale - 1:300,000 @ A3



SUPERFICIAL AQUIFERS Scale - 1:75,000 @ A3

LEGEND

Site Boundary

Study Area (500 m Buffer)

Existing Offsite Track

Superficial Deposits Aquifer Productivity Scotland, Version 2

Intergranular; Moderate to High Productivity

Not a significant aquifer

Bedrock Aquifer Productivity Scotland, Version 2

Fracture; Low Productivity

Fracture; Very Low Productivity

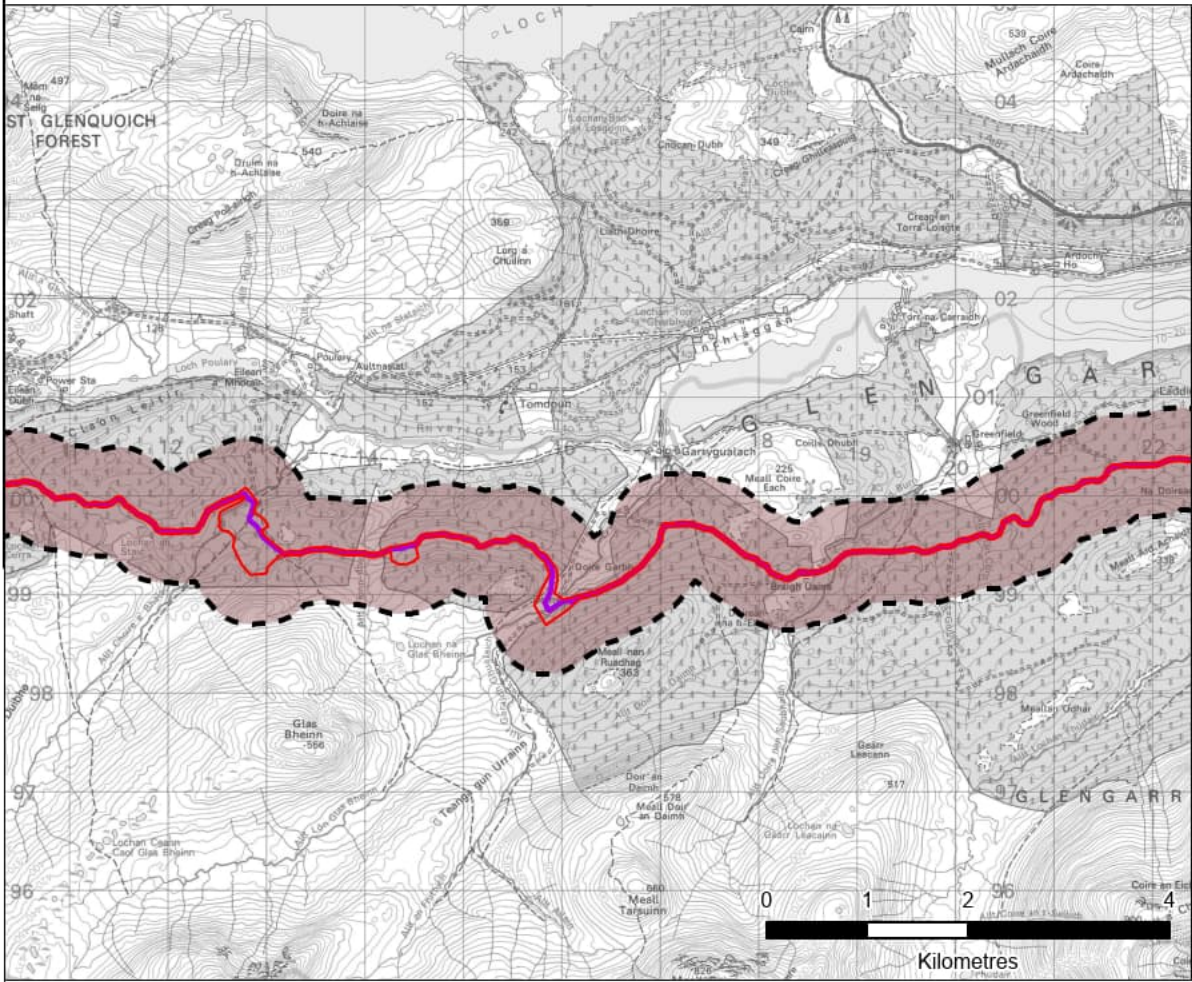
Unknown Geology

Groundwater Vulnerability in the Uppermost Aquifer Vulnerability Class

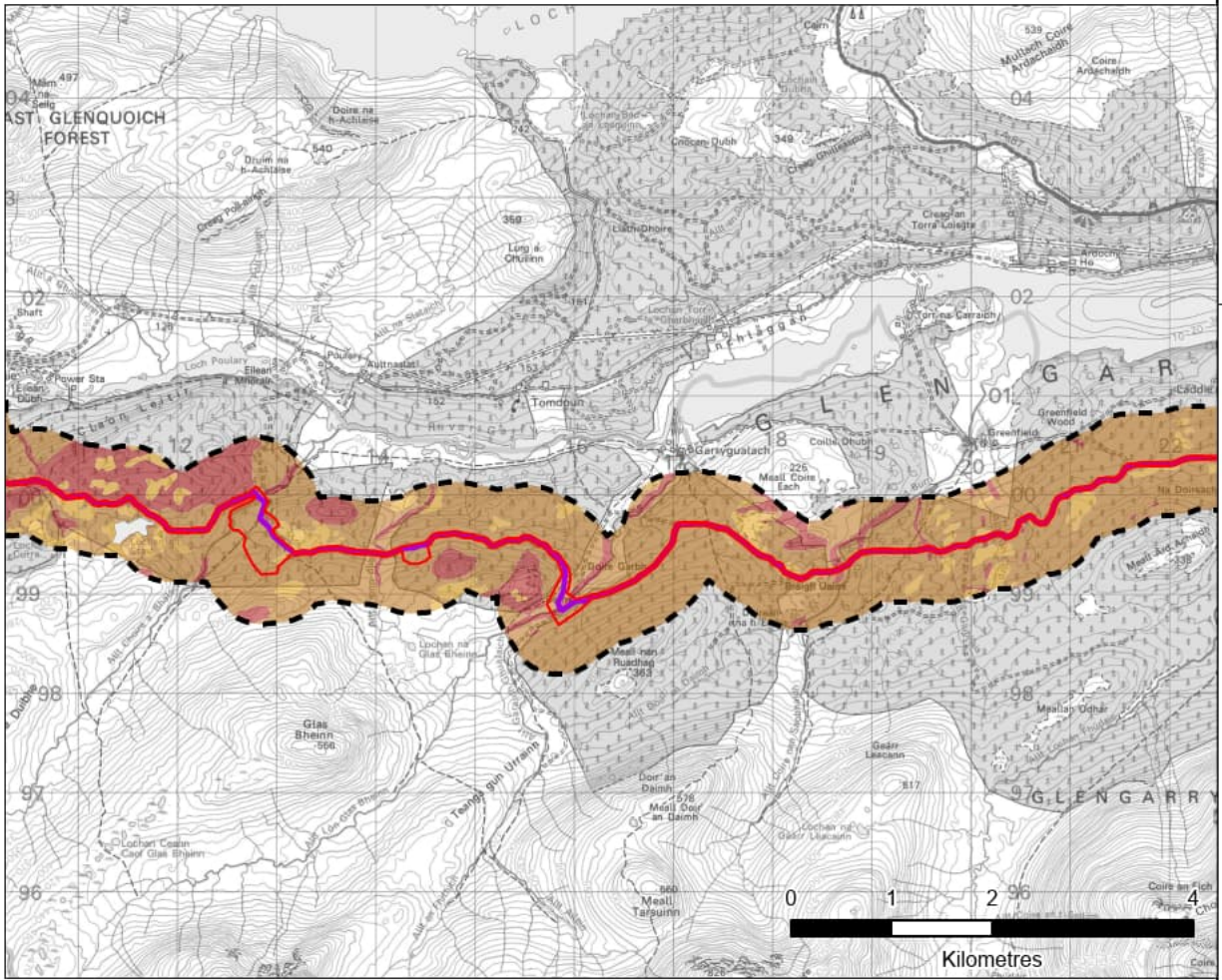
5 - Vulnerable to most pollutants, with rapid impact in many scenarios.

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).



BEDROCK AQUIFERS Scale - 1:75,000 @ A3



GROUNDWATER VULNERABILITY IN THE UPPERMOST AQUIFER Scale - 1:75,000 @ A3

FEARNA PSH LIMITED

SLR

FEARNA PSH

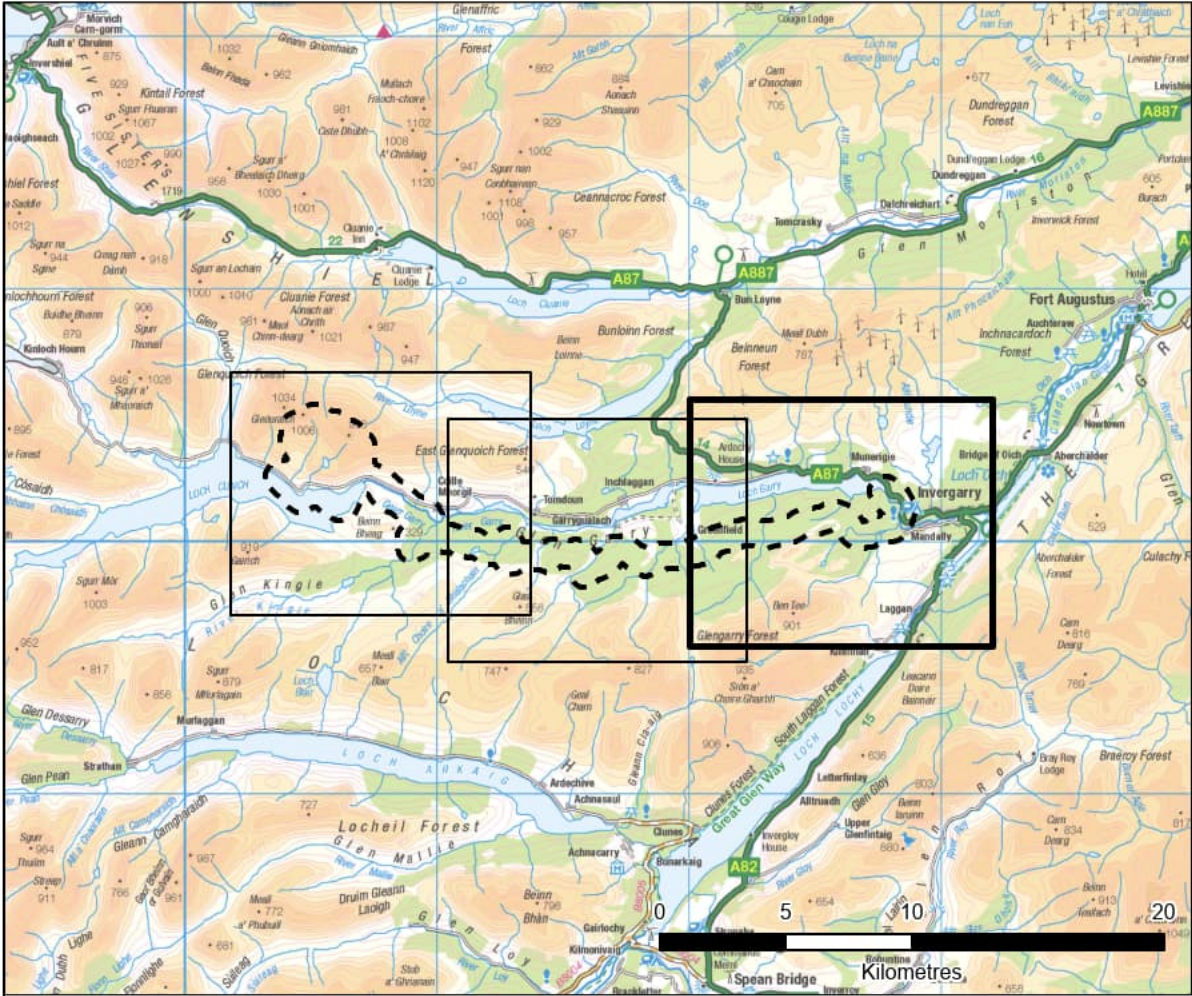
GEOLOGY, SOILS AND WATER

GROUNDWATER VULNERABILITY

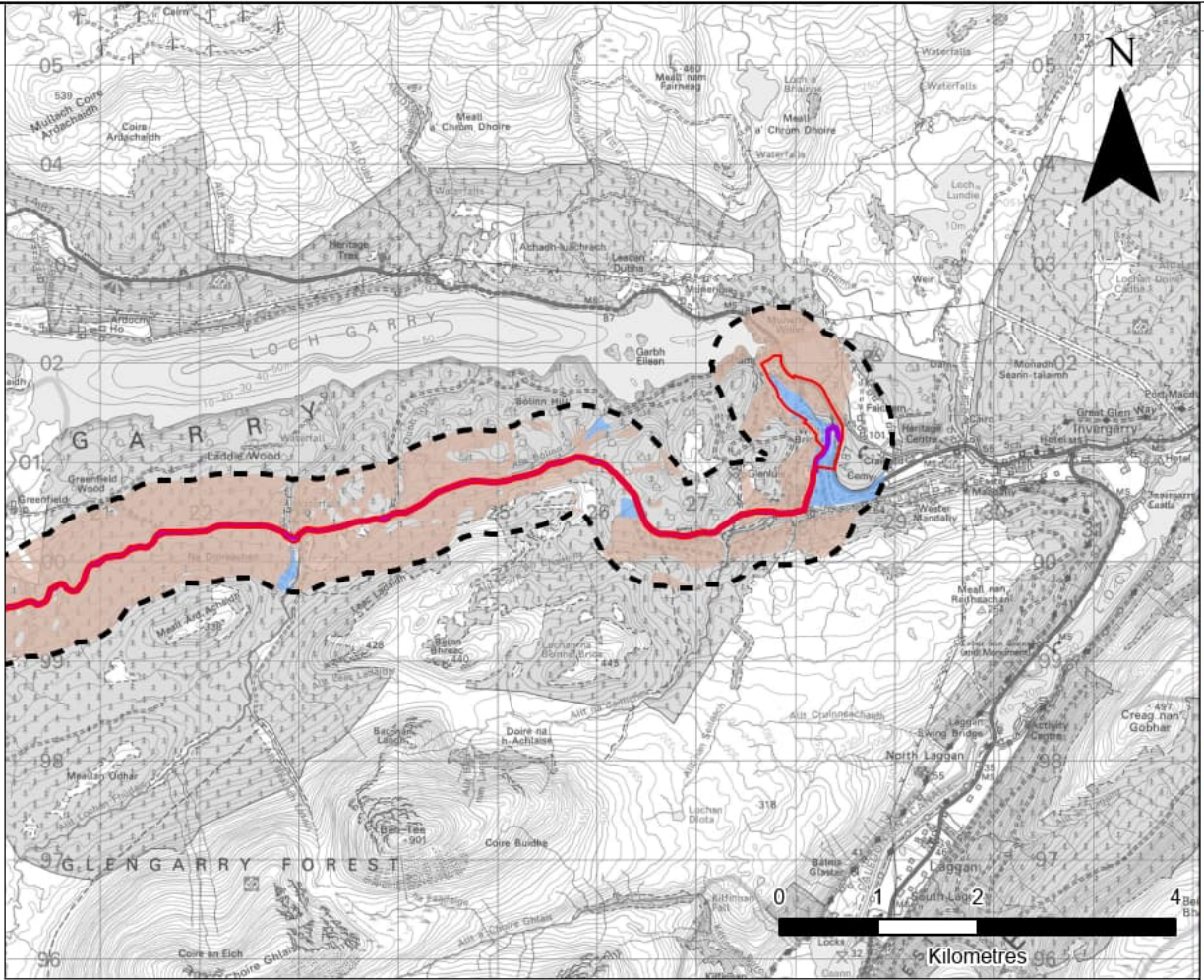
FIGURE 12.7b

SCALE AS SHOWN

Date FEBRUARY 2025



MAP EXTRACT Scale - 1:300,000 @ A3



SUPERFICIAL AQUIFERS Scale - 1:75,000 @ A3

LEGEND

Site Boundary

Study Area (500 m Buffer)

Existing Offsite Track

Superficial Deposits Aquifer Productivity Scotland, Version 2

Intergranular, Moderate to High Productivity

Not a significant aquifer

Bedrock Aquifer Productivity Scotland, Version 2

Fracture; Low Productivity

Fracture; Very Low Productivity

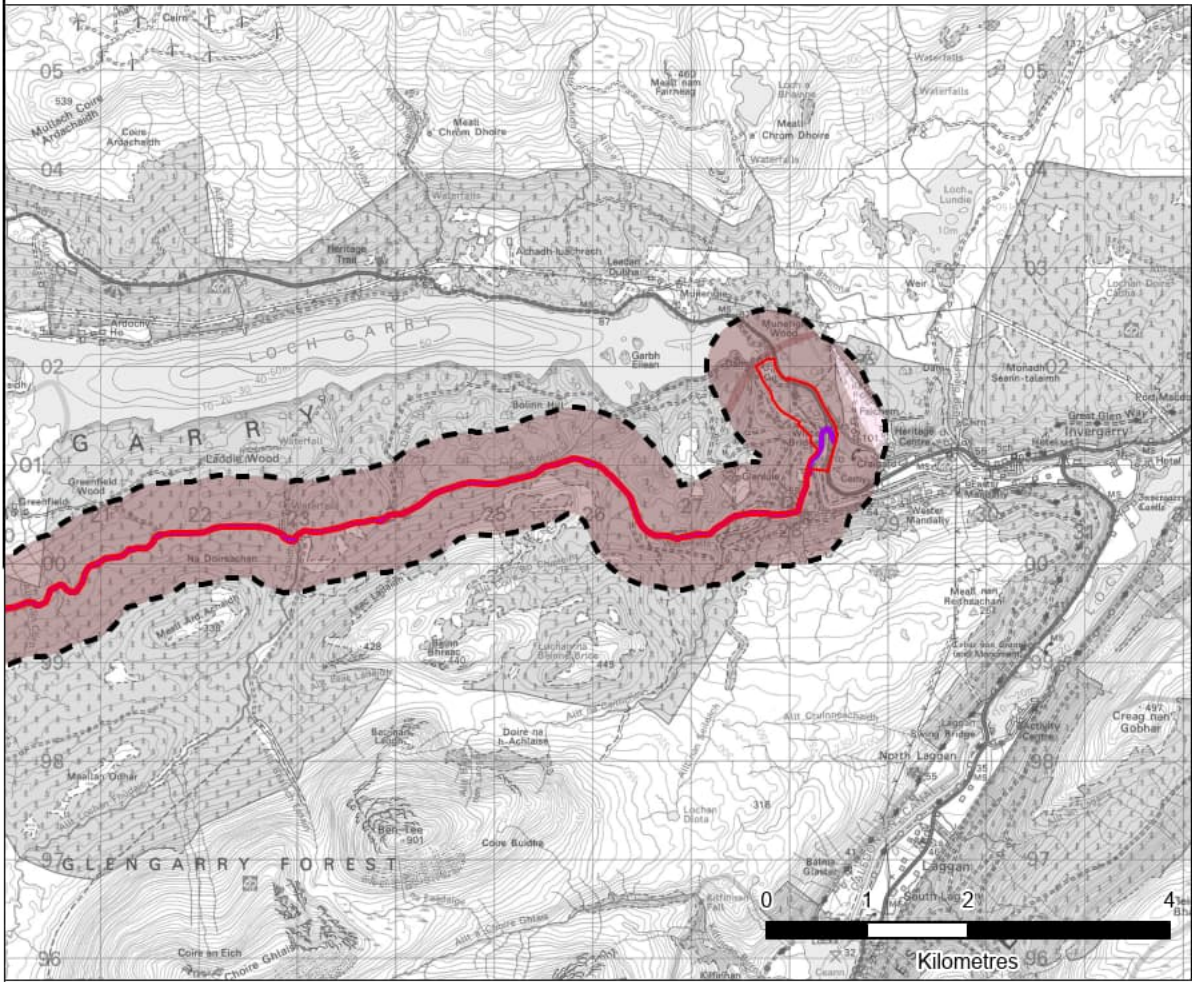
Unknown Geology

Groundwater Vulnerability in the Uppermost Aquifer Vulnerability Class

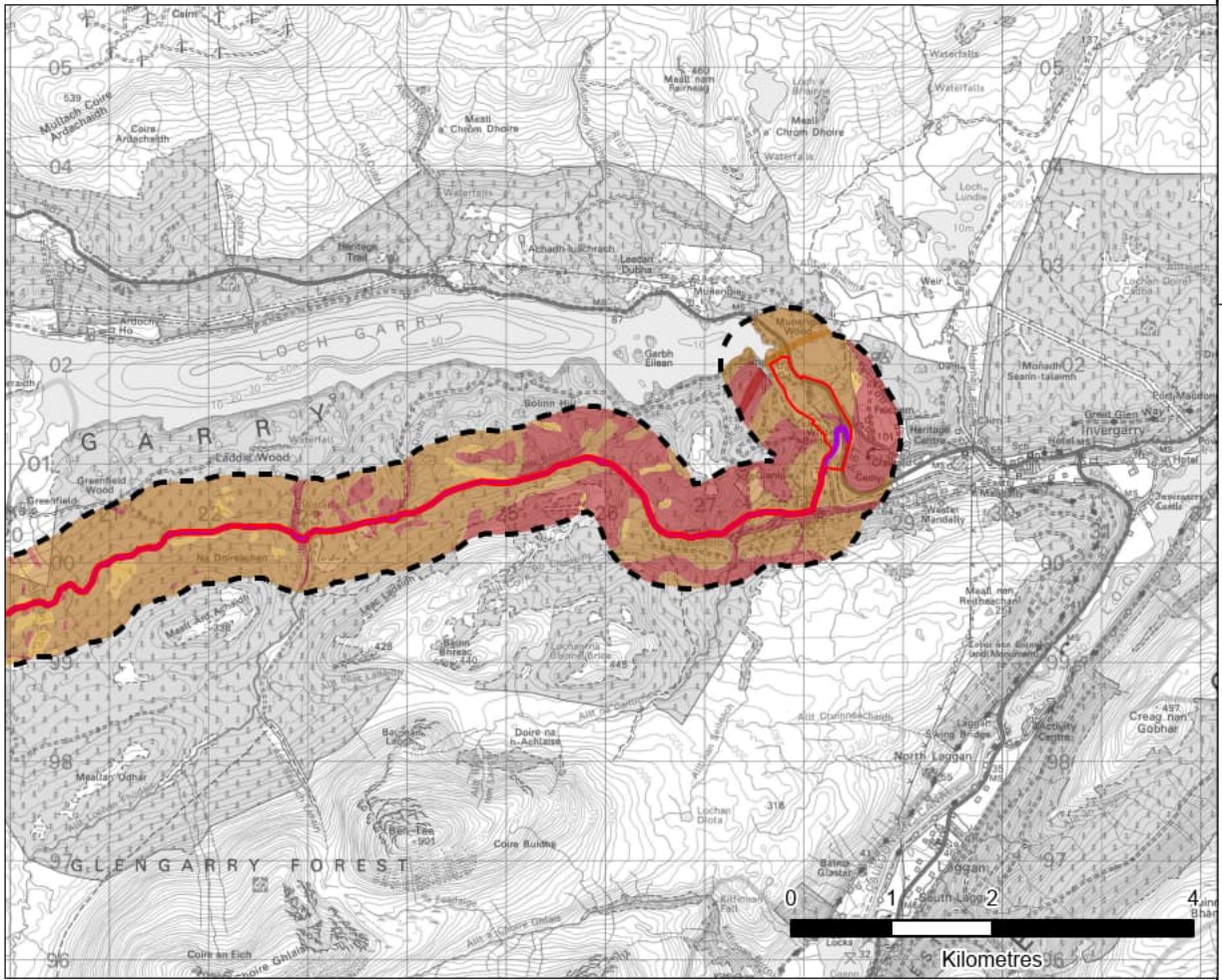
5 - Vulnerable to most pollutants, with rapid impact in many scenarios.

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).



BEDROCK AQUIFERS Scale - 1:75,000 @ A3



GROUNDWATER VULNERABILITY IN THE UPPERMOST AQUIFER Scale - 1:75,000 @ A3

FEARNA PSH LIMITED

FEARNA PSH

GEOLOGY, SOILS AND WATER

GROUNDWATER VULNERABILITY

FIGURE 12.7c

SCALE AS SHOWN

Date FEBRUARY 2025