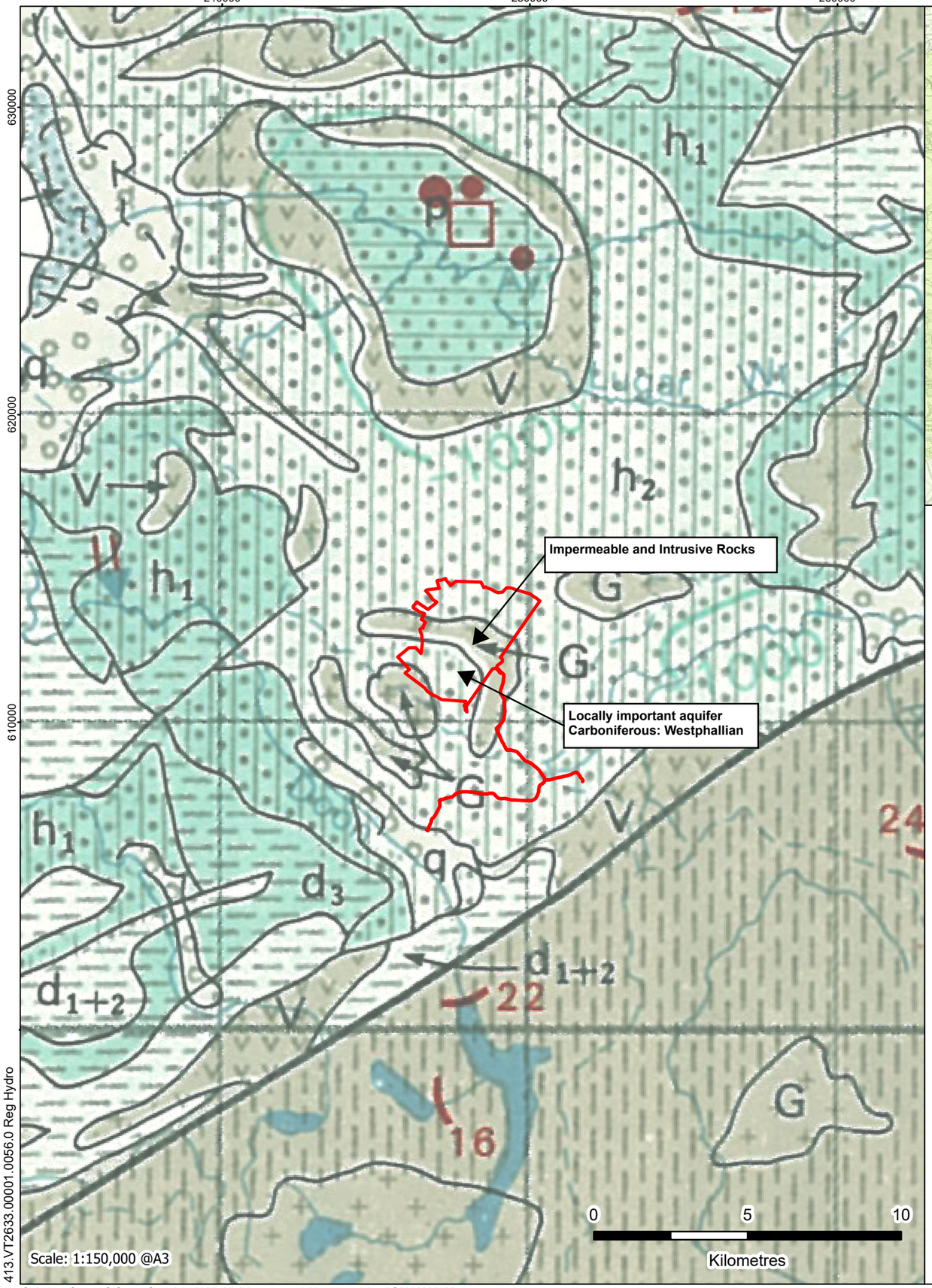

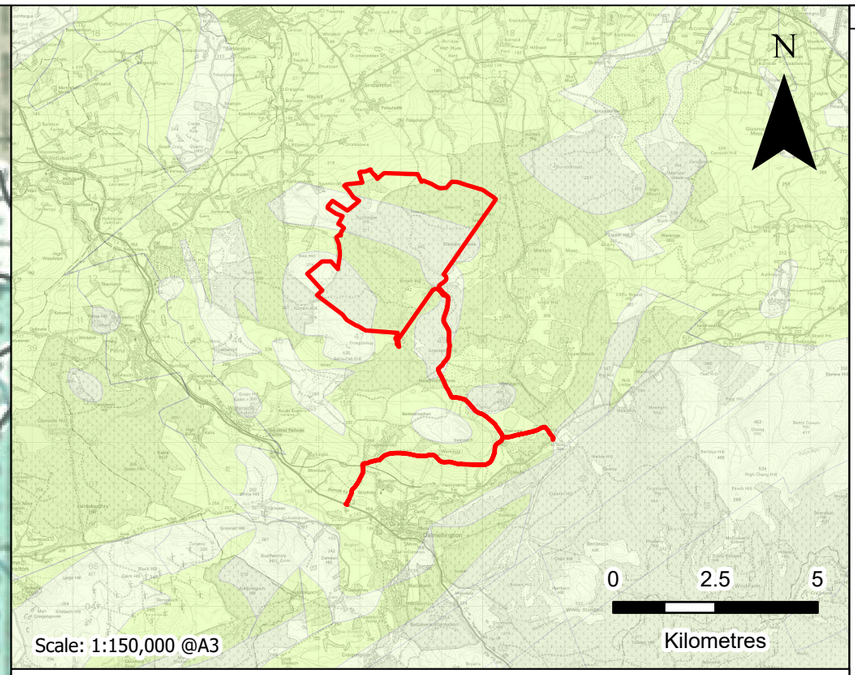

INDEX AND EXPLANATION

1. Aquifers in which intergranular flow is significant

a. Highly productive aquifers (not extensive)
- Permian at Thornhill
- Upper Old Red Sandstone in Fife

b. Locally important aquifers
- Recent: Blown sand
- Quaternary sands and gravels
- Permian in North West Grampian

2. Aquifers in which flow is dominantly in fissures and other discontinuities

a. Highly productive aquifers (not extensive)
- Permian
- Carboniferous: Dinantian and Namurian
- Upper Old Red Sandstone

b. Locally important aquifers
- Triassic and Permian
- Carboniferous: Westphalian
- Lower and Middle Old Red Sandstone

3. Concealed aquifers, aquifers of limited potential, regions without significant groundwater

a. Concealed aquifers; aquifers with limited or local potential
- Quaternary: coastal and river alluvium
- Jurassic
- Permian at Stranraer
- Cambro-Ordovician and Precambrian Limestones

b. Regions underlain by impermeable rocks, generally without groundwater except at shallow depth
- Silurian and Ordovician
- Precambrian
- Extrusive rocks
- Intrusive rocks

Surface water features
- Perennial river or stream
- Perennial river or stream in which the chloride ion concentration is known to exceed 1000 mg/l under low flow conditions
- Stream gauging station with mean annual runoff in m^3/s, over catchment area in km^2 (2.3 / 844)
- Hydrometric area boundary
- Freshwater loch, reservoir or standing water
- Loch or standing water in which the chloride ion concentration is known to exceed 1000 mg/l

Groundwater features
- Recognised mineral water spring or borehole with less than 1000 mg/l total dissolved solids.
- Spa water spring or well with greater than 1000 mg/l total dissolved solids
- Areas where the chloride ion concentration exceeds 1000 mg/l above – 80 m O.D.

Sources of known abstraction (licences are not required):

a) 10-19 l/s
b) 20-29 l/s
c) > 29 l/s
} normal discharge or pumping yield

a) b) c)
- Springs
- Springs used for public supply
- Wells and boreholes
- Sources of public supply
- Artesian boreholes
- Artesian boreholes used for public supply
- River or loch intake for public supply with ≥ 10 Ml/d capacity

Artificial works
- Impounding reservoir with design yield ≥ 10 Ml/d (figures in Ml/d) (24)
- Canal
- Hydroelectric station

Geological symbols
- Geological boundary
- Geological boundary beneath cover
- Fault
- –1000– Contours on the surface of the Old Red Sandstone in m relative to O.D.

LEGEND

- Site Boundary

Aquifer Classification
- Moderately Productive Aquifer
- Low Productivity Aquifer

brockwell energy

SLR

BREEZY HILL ENERGY PROJECT

ADDITIONAL INFORMATION - REVISED EIA REPORT

REGIONAL HYDROGEOLOGY

FIGURE 8.7

Scale: AS SHOWN @A3

Date: NOVEMBER 2025

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