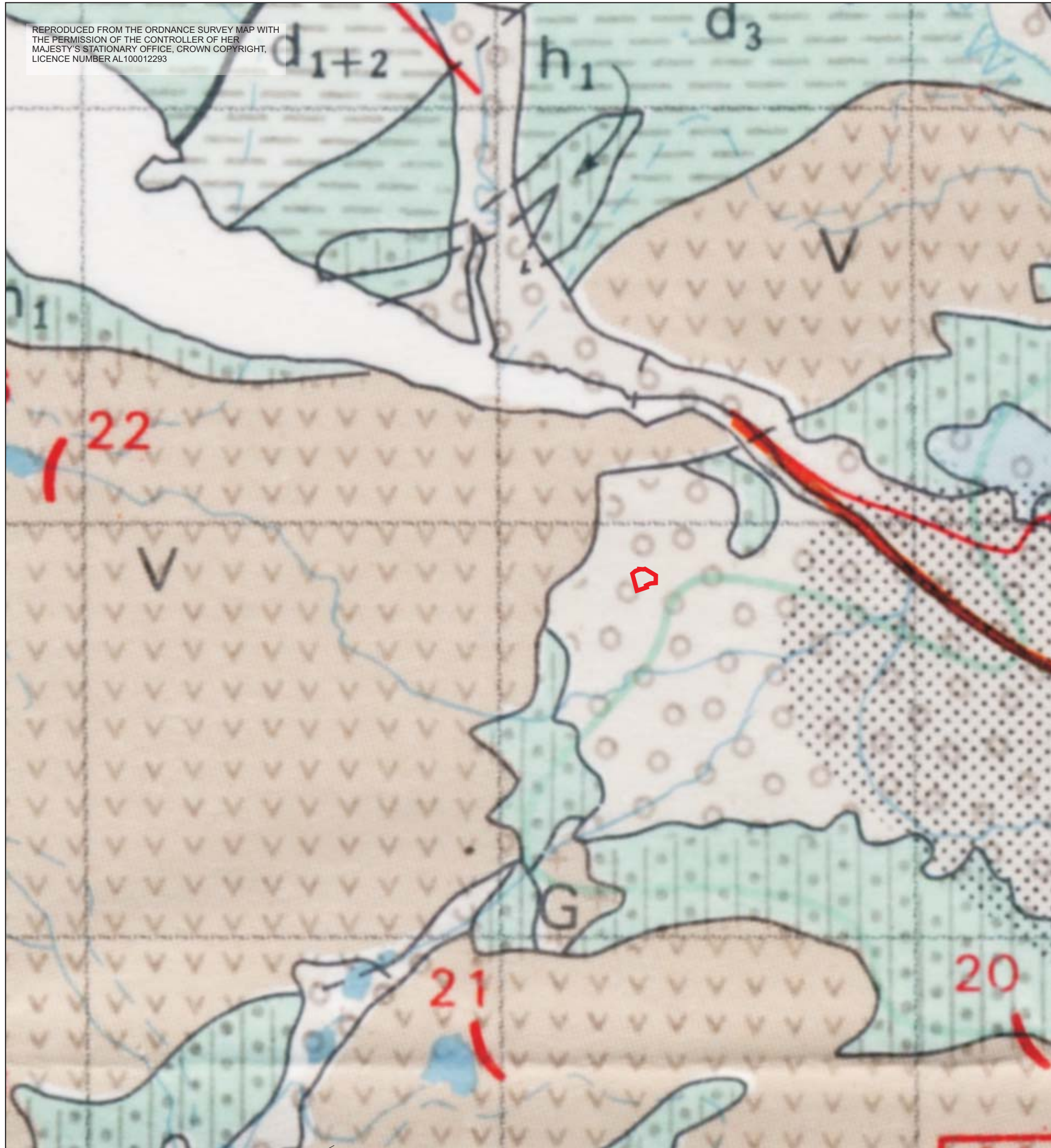


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INDEX AND EXPLANATION

1. Aquifers in which intergranular flow is significant

- a. Highly productive aquifers (not extensive)
 - p Permian at Thornhill
 - d₁ Upper Old Red Sandstone in Fife
- b. Locally important aquifers
 - q' Recent: Blown sand
 - q Quaternary sands and gravels
 - p Permian in North West Grampian

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

- a. Highly productive aquifers (not extensive)
 - p Permian
 - h₁ Carboniferous: Dinantian and Namurian
 - d₁ Upper Old Red Sandstone
- b. Locally important aquifers
 - r+p Triassic and Permian
 - h₂ Carboniferous: Westphalian
 - d₁₊₂ 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
 - q Quaternary: coastal and river alluvium
 - J Jurassic
 - p Permian at Stranraer
 - cb+pr Cambro-Ordovician and Precambrian Limestones
- b. Regions underlain by impermeable rocks, generally without groundwater except at shallow depth
 - s+o Silurian and Ordovician
 - pr Precambrian
 - V Extrusive rocks
 - G 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 m³/s, over catchment area in km²
- 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

Artificial works

- Impounding reservoir with design yield ≥ 10 Mi/d (figures in Mi/d)
- Canal
- Hydroelectric station

Geological symbols

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



NOTES



PLANNING APPLICATION BOUNDARY

0	JUN 09	GR	
Revision	Issue Date	Issue By	Comments



Site BISHOPTON RO FACTORY
 Project LANDFILL ENVIRONMENTAL ASSESSMENT

Drawing
Extract of Hydrogeological Plan

Date	JUNE 2009	Drawing No.	12.3
Scale	1:100,000		

405-0155-00008_0609_LEA_12.3_0_405-MM



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