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Proposals for drilling in the Moriarty area

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Six boreholes are proposed to be drilled in the Moriarty area, east of Devonport, for hydrological, geophysical and stratigraphic purposes. These proposals may be amended and added to as required.

Priority 1

Location: Frankford Highway, ½ mile west of Thirlstane
Geophysical work: Gravity (D. E. Leaman)
Possible geology: 0-20 m: sand, gravel, minor basalt
20-120 m: clay and sand
Target: Dolerite basement
Possible depth: 100-150 metres

Priority 2

Location: Frankford Highway ½ mile east of Northdown Road, Moriarty
Geophysical work: Gravity, deep resistivity probes (D. E. Leaman)
Possible geology: 0-20 m: weathered basalt
20-120 m: clay, sand
120- ? m: basalt?
Target: Dolerite basement
Possible depth: 150+ metres

Priority 3

Location: Road cutting, Frankford Highway, 1 mile west of Moriarty
Geophysical work: Gravity, deep resistivity probes (D. E. Leaman)
Possible geology: 0-40 m: weathered basalt with sand, gravel lenses
40-100 m: sand and clay
100-150? m: basalt with sand and clay
Target: Dolerite basement
Possible depth: 200 metres

Priority 4

Location: Frankford Highway, at crossroads with road to Wesley Vale, 1½ miles west of Moriarty
Geophysical work: Gravity (D. E. Leaman)
Possible geology: uncertain, possibly:
0-15 m: sand and clay
15-50 m: basalt, probably weathered and clayey
50- ? m: sand and clay with minor basalt
Target: Dolerite basement
Possible depth: 200+ metres

Priority 5

Location: On road, ½ mile south of Wesley Vale, and ½ mile north of locality 4
Geophysical work: Gravity (D. E. Leaman)
Possible geology: As for locality 4
Target: Dolerite basement
Possible depth: 200+ metres

Priority 6

Location: Frankford Highway, ¾ mile west of Wesley Vale road junction (locality 4)
Geophysical work: Gravity (D. E. Leaman)
Possible geology: 0-20 m: sand, clay, gravel
20-70 m: basalt
70- ? m: sand, clay, gravel
Target: Dolerite basement
Possible depth: 150+ metres

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