



**ALTERED FACIES - ASSEMBLAGES
AND
ISHIKAWA ALTERATION INDICES**

**MOUNT READ VOLCANICS
HELLYER - DARWIN
WESTERN TASMANIA**

1:100,000 SCALE

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CENTRE FOR ORE DEPOSIT RESEARCH
UNIVERSITY OF TASMANIA

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UNIVERSITY OF TASMANIA

LEGEND

Ishikawa AI

- 0 - 20
- 20 - 40
- 40 - 60
- 60 - 80
- 80 - 90
- 90 - 100

Alteration Assemblage

- 1 Quartz \pm sulfides
- 2 Pyrophyllite/Kaolinite assemblage
- 3 Quartz + Sericite \pm sulfides
- 3.1 Quartz + Sericite + Carbonate \pm sulfides
- 4 Sericite
- 4.1 Sericite + K feldspar \pm (Carbonate, sulfides)
- 4.2 Sericite \pm (Quartz, Carbonate)
- 4.3 Sericite \pm (Quartz, Carbonate, Chlorite)
- 4.4 Sericite + Chlorite \pm (Quartz, sulfides)
- 4.5 Sericite + Chlorite \pm (Quartz, Carbonate + sulfides)
- 5 Chlorite \pm (sulfides, Magnetite, Carbonate etc.)
- 5.1 Chlorite + Quartz \pm (sulfides, Magnetite, Carbonate etc.)
- 5.2 Chlorite + Quartz + Sericite \pm (sulfides, Magnetite, Carbonate etc.)
- 6 Chlorite + Carbonate \pm sulfides
- 7 Chlorite + Magnetite/Hematite \pm (sulfides, Quartz, Sericite, Carbonate etc.)
- 7.1 Chlorite + Hematite \pm (sulfides, Quartz, Sericite, Carbonate etc.)
- 8 K feldspar \pm Quartz, Chlorite, Sericite etc.
- 8.1 K feldspar + Pyrite, Magnetite/Hematite \pm Quartz, Chlorite, Sericite etc.
- 9 Hematite
- 9.1 Hematite + Carbonate
- 9.2 Hematite \pm Quartz, Sericite, Pyrite
- 10 Quartz + Epidote
- 10.1 Quartz + Epidote + Chlorite
- 11 Tourmaline assemblage

Streams; 250,000 base

Topo contours; 250,000 base