

LEGEND.

TERTIARY

|                            |                |                  |
|----------------------------|----------------|------------------|
| Mauou Volcanics (MV)       | A - aphyric    | MV <sub>FP</sub> |
| - Porphyritic flows        | F - feldspar   |                  |
| - Crystal Tuffs            | P - Pyroxene   | MV <sub>XT</sub> |
| - Volcaniclastic Sediments | H - Hornblende | MV <sub>ve</sub> |

Kettle River

|                |                  |
|----------------|------------------|
| - Siltstone    | KR <sub>SL</sub> |
| - Sandstone    | KR <sub>SD</sub> |
| - Conglomerate | KR <sub>CV</sub> |

TRIASSIC

|                             |      |
|-----------------------------|------|
| <del>Basalt</del> Gossan    | GOSN |
| - <del>Basalt</del> Gorge   | GORG |
| Quartz Pebble Conglomerate. | QPCN |
| Argillite                   | ARGL |
| Limestone                   | LMST |
| Limestone Breccia           | LMBX |
| Mafic Volcaniclastics       | MFVC |
| Chert                       | CHRT |
| Diorite                     | DIOR |

Diorite  
- Diap-aphanitic  
Di

1. SILICIFICATION:

- a Ferruginous white, sugary.
- b " brecciated (tectonic).
- c Chalcedonic veining / waxy / banded.
- d Green
- e Green brecciated (tectonic).
- f Q<sub>3</sub> stockworking.
- g Q<sub>3</sub> Vein (>1m).
- h Q<sub>3</sub> Vein breccia.

MCOR - Microdiorite  
LKOR - Leucodiorite  
BXDR

Marron Volcanics }  
Kettle River Seds } Tertiary.

Quartz Pebble Conglomerate  
Mafic volcaniclastics  
Sandstones (KR)

Diorite.

### ALTERATION.

Pervasive Silicification  
- White  
- Brecciated  
- Green  
- Grey  
- Vuggy  
- Chalcedonic

### Propylitization.

" Epidote veining

Chl - Ep - Cal. + Py. (Mt).

### Skarn:

Epidote (massive, blotchy etc.)

Ep - St - Mt

Actinolite / Tremolite. (retrograded to Chl)

### Plutonic alteration

- KF veining / Pervasive.

## 2. Propylitization.

- a Pervasive Chlorite.
- b Chlorite + Calcite.
- c Epidote veining ( $\pm a, \pm b$ )
- d

## 3. Skarn

- a Epidote ( $\pm Mt$ ) - Patchy, Massive, pervasive.
- b Epidote + Gt ( $\pm Mt$ )
- c Actinolite / Tremolite

## 4 Other alteration types.

- a Potassic - Kf veins, envelopes, pervasive
- b Sericitic
- c Carbonatization (Fe carbonate)
- d Calcite veining
- e Argillic

|   |                  |            |
|---|------------------|------------|
| A | P <sub>4</sub> % | e.g. D.PyS |
|   | Cp %             |            |
|   | M <sub>0</sub> % |            |
|   | Mt %             |            |
|   | As %             |            |
|   | Mc/Az            |            |
|   | P <sub>0</sub> % |            |

### Mode of Occurrence.

- D - disseminated
- S - Stringers (<10mm)
- B - Blobs
- V - Within Veins
- M - Massive
- F - Fracture coatings.

### Abundance

- w - weak
- m - moderate
- i - intense
- x - extreme