

EL39/2005 Rockchip and Stream Sediment Geochemistry

Mt Owen Region Geology

Quaternary

- Mining debris and man disturbed sediments
- Deeply weathered till, outwash gravel and lacustrine sediments
- Stream alluvium, swamp and marsh deposits
- Pleistocene glacial and glaciogenic deposits

Tertiary

- Non marine sequences of gravel sand, silt and clay
- Siltstone and shale sequences

Devonian

- Dark grey limestone with dolomite, heavy black clay alteration
- Siltstone with fine grained sandstone

Ordovician

- Grey to pink quartz sandstone with granule conglomerate
- Massive to bedded hematite bodies
- Volcaniclastic conglomerate, locally brecciated
- Thin-bedded quartz sandstone interbedded with siltstone and granule conglomerate
- Pebble conglomerate with quartz rich sandstone interbeds
- Cobble-boulder conglomerate

Cambrian / Ordovician

- Metamorphics
- Mafic to intermediate tuff
- Volcaniclastic conglomerate
- Felsic volcanics
- Andesitic volcanics

Cambrian

- Water body

Geological contact

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Mineral occurrence

Metallic mineral deposit

Rockchip/Stream Sediment location

Sample number

Au g/t to ppm

Rockchips

Au ppm

- 0.5 to 0.64
- 0.01 to 0.03
- <0.01 to 0

Stream Sediments

Au ppm

- 0.01 to 0.013
- 0.005 to 0.01
- <0.001 to 0.005

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Author : DGN, SCN, MRB
Original Date : June 2007
Map No. : 2
Project : AMG 55 / AGD 66
Scale : 1:10000
Date : June 2007
Office : Brisbane

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