

INTERIM REPORT
ON
REGIONAL RECONNAISSANCE
MAPPING

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INTERIM REPORT ON REGIONAL
RECONNAISSANCE MAPPING

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18th December, 1956

Interim Report on Regional Reconnaissance MappingElliott Range

Owen Conglomerates unconformably overlie Pre-Cambrian quartzites. The structure is broadly anticlinal, broken by strong NW and N - S faults which are expressed in vertical cliffs on the northern, eastern and western slopes of the Range.

There is no evidence of mineralisation either in the Owen or Pre-Cambrian; the green coloration seen on the cliffs is due to a tufty, coarse moss, while the brownish staining is due to iron leached from the Owen quartzites and sandstones.

D'Aguilar Range

This Range is directly on the line of the Lyell Shear and is therefore of immediate interest. It is composed of 1500' - 2000' of Owen breccia-conglomerate overlying Dundas Group lavas. The structure is broadly anticlinal with the D'Aguilar valley incised along the axis and exposing Dundas Group. The folding is gentle and faulting is of minor importance; there was no evidence of mineralisation. A small fresh costean in barren sandstone was discovered west of Mt. Lee.

The possibility of strong faulting on N - S lines immediately east of the D'Aguilar Range is suggested by several lines of reasoning and this zone may be worth further investigation.

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Birch's Inlet to Rum Point

This shore-line section exposes Dundas Group slates, tuffs, sandstones and gravel beds, probably tightly folded on N - S axes.

They contain a few narrow quartz-hematite veins but are otherwise unmineralised.



M. Solomon.