

4. Cleared/flagged access including tie lines: 5.8km cut; 1.9km flagged.
5. Geological mapping: approx. 4km road/tracks; 3.3km lines (14N, 16N).
6. Rock chip geochemistry submitted for assay: 13 (Cu, Pb, Zn, Ag, Sn, Au).
7. Total field labour - Geologist: 14 days, Field Assistants: 35 days.

3. DISCUSSION OF RESULTS

3.1 Geology

All significant access on the plateau area has been traversed in addition to lines 14N and 16N into the Henty Gorge and results presented on an interpretation map (See Figure 14).

The fault bounded wedge of probable post Mt. Read Volcanics sediments (presumably Crimson Creek Formation as proposed by Meares 1981) is predominantly north striking and dips steeply west. Strong west facing evidence has been located. Lithologies include a sequence of green-grey and locally purple shales/mudstones, arenites, conglomerates and minor cherts. Petrology by Meares has indicated the presence of minor carbonate in equivalent sediments to the south. Into the Henty Gorge, on the east side of the wedge, one unit of reworked andesitic? crystal tuffs occurs, interbedded? with soft tuffaceous arenites and occasional grey-black phyllitic shales. Throughout the sequence minor intermediate to basic intrusives occur. At least two of these, intruded along the North Henty Fault, have been serpentized, but those intruded within the fault wedge remain less affected.

A prominent red conglomerate with clasts of red shales, mudstones and arenite, located on the western side of the wedge, represents a localized oxidizing environment which extends into the surrounding finer grained sediments. West and east of the red conglomerate/shales, are grey-green conglomerates, shales, mudstones and arenites which are muscovite bearing. The grey-green conglomerates were interpreted by Corbett (1979 mapping) as greywackes. Two white conglomerates, comprising densely packed cherty slivers and pebbles, occur in two positions - one near the North Henty Fault Zone south of line 20N and the other east, along the edge of the gorge.