

031

2. Farrell Group

The Farrell Group is almost completely covered by glacials in the Mt. Sale area, however, good outcrop can be observed in the Murchison River and along the Murchison Highway. The group consists of quartz greywacke, sandstone, graphitic pyritic slate and tuffaceous sediments which grade down into quartz-rich, rhyolitic pyroclastics and lavas.

Where mapped the rocks dip steeply west. Facings obtained in the Murchison Highway (fragments of shale in an overlying pyroclastic) indicate that the unit has not been overturned.

Alteration observed consists of light silicification and carbonatisation. Near the contact with the intermediate pyroclastics and lavas the Farrell Group is strongly sheared.

Mineralisation observed consists of disseminated pyrite within the sediments and local pyritic quartz veins containing trace base metal values.

The Green and King workings mentioned by C. Brooks (1962 BSC Thesis, University of Tasmania) is the only recorded mineralisation in the area. The lode which was "trenched for siderite, quartz and a little galena" could not be located in the field.

7.4.5. Geochemistry (Refer to 1:5,000 Geochemistry Sheets Ref. Nos. AO-504-0027-30, AO-504-0035, AO-504-0038-40 and AO-504-0048-51)

1. Soil and Litter Sampling

All grids (both the 1km spaced reconnaissance grid and the detail grids) have been soil sampled at 20m intervals. Litter samples have been collected over some of the detail grids in order to test the validity of this sampling method as an exploration tool.