

## 5.7.2. WORK COMPLETED

(refer to 1:50,000 scale Work Completed Plan A2-504-0126)

1. Line Cutting

An access walking track to the Mt. Murchison area, totalling 4km in length, was cut via creeks and compass bearings from the Murchison Gorge Damsite to a point at 5,369,650N; 387,350E, where a helicopter landing site and a campsite were cut. From the campsite a further 6.4km of line and 5.9km of creek were cut to provide access across the area.

2. Geological Mapping

7.2km of line and 15.7km of creeks were mapped. 31 rock samples were collected and 5 of these were sent to C.M.S. for thin sectioning and petrographic description. The results are contained in C.M.S. report 80/3/21 in Appendix 1. 25 of the samples were analysed for Pb, Zn, Cu, Fe, Mn by A.A.S. after a nitric/perchloric acid leach.

3. Geochemical Sampling

The creek and line mapping generated 163 bulk stream sediments, and 42 manganese oxide coated pebble samples. The stream sediments were sieved to -80 mesh and analysed for Pb, Zn, Cu, Fe, Mn, Co by A.A.S. after nitric/perchloric acid leach, and for Sn by A.A.S. after volatilisation with ammonium iodide. Manganese oxide coated pebbles were analysed for Pb, Zn, Cu, Fe, Mn, Co by A.A.S. following a cold hydroxylamine leach. Data sheets for all samples are contained in Appendix 2.

## 5.7.3. GEOLOGY

(refer to 1:10,000 Geological Sheets 8 & 10 Ref. No AD-525-0055 & AD-525-0101)

The outcrop of Murchison Granite was shown to be much more extensive than previously thought. The granite is typically a hornblende-biotite-adamellite as per