southern end of the traverse (samples 62852-62858) within altered ultrabasics and *tuffaceous psammopelites.*

- Pb sulphosalts in siderite veins within fuchsite conglomerates at the northern end of the traverse (samples 62870-62872).

Petrological results received for 18 samples from the East Colebrook area (C.M.S. Report 84/7/10, Appendix 1) indicate that the area contains a similar suite of lithologies, comprising altered (sericite-chlorite-carbonate) basic and acid intrusives, carbonatised silicified ultramafics, silicified sericitised, pyroclastic rocks and fuchsite conglomerate.

Petrological results received for 2 samples from the Hamilton Mine area (C.M.S. Report 84/10/26, Appendix 1) confirm that the workings occurred in strongly quartz-sericite altered volcanics carrying weak pyrite, chalcopyrite and sphalerite mineralisation.

4.2.   Geochemistry

Analytical results for 23 samples taken on the Moores Pimple traverse show maximum values of Cu (6.200 ppm), Pb (1,300) and Zn (2,250) in the area of disseminated sulphides near the southern end of the traverse but Ag, As, Sb and Sn values are all insignificant and Mo and W are all below detection level.   Gold values average an insignificant 0.03 ppm and are above 0.05 ppm in only three samples.

62859 - 0.08 ppm, from the area of tuffaceous psammopelites with disseminated
        sulphides.
62870 - 0.09 ppm, 62871 - 0.07 ppm, from fuchsite conglomerite with Pb sulposalt-
        siderite veining.

The analytical results from the East Colebrook chip samples show that, in comparison to the Moores Pimple Gabbro, the East Colebrook area is lower in Cu, Pb and Zn, is similarly deficient in Ag, Mo and W, but contains elevated As (900 ppm) and Sn (674) in a small adit into silicified carbonatised ultramafics and quartzites with quartz-siderite-pyrite veinlets (petrology samples 62831, 62833, 62835).

Of the gold values, only 4 of the 22 samples were above detection limit.   Insignificant best values of 0.04 ppm were recorded from 62814 (black shale) and 62837 (altered rhyolitic tuff).