

4.3. Initial Geochemical Soil Sampling Surveys:

The complete Mt. Lindsay grid was initially soil sampled every 25m along the lines at depths generally in the top of the 'B' soil horizon.

All samples were dried and sieved at Renison in an area free of normal mine contamination.

The - 80 mesh fraction was assayed by X.R.F. for Sn, WO_3 and As, and for Cu, Pb, Zn by A.A.S. All elements had a 5 p.p.m. detection limit.

An internal 1 in 10 random sampling checking system was set up and the results are shown in Appendix 3.

The results of the 4,000 (approx.) samples taken are presented on the attached 1:5000 composite profiles and on the 1:5000 geochemical plans.

[Maps 5 (a), (b), (c), (d), (e) and (f)].

No detailed statistical analyses of the results were attempted nor were the plans contoured in detail. Instead, because of the geochemically similar character between the Mt. Lindsay survey and others undertaken in the Renison and Heemskirk areas, it was considered sufficient to "eyeball" contour the significantly anomalous areas on the attached plans.

It was obvious from the plans that, as with the Renison and Heemskirk areas, there is a striking