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The rationale in selecting the elements other than Cu, Pb and Zn was that the survey should be aimed at locating not only 'obvious' ore occurrences but also geochemically prospective areas in which the mineralization is non-outcropping or sub-outcropping.

The methods of sample preparation and analysis and the analytical results are tabulated in Appendices No's 1,2 and 3 and are presented on the following maps located in the folder of this report.

- Drainage Sample Location Map.  
Sheets KT 27/76 5C - 8C
- Drainage Geochemical Results.  
Copper, Lead and Zinc:  
Sheets KT 27/76 5B - 8B
- Drainage Geochemical Results.  
Tin:  
Sheets KT 27/76 5E - 8E.

#### C-Horizon Auger Sampling

Previous experience base upon geochemical orientation soil sampling within the Mt. Read Volcanics and its correlatives has indicated a sample depth of 2.0m or bedrock as the optimum depth of C-horizon geochemical soil sampling.

C-horizon soil sampling was carried out using a Jacro 200 auger rig mounted on the rear of a Muskeg Bombardier. Holes inaccessible to the drilling rig were hand augered to refusal using suitably modified 38mm diameter wood augers.

Auger sampling during the 1976-77 season was carried out at 25 metre centres on tape and compass reconnaissance grid traverses over the Voyager 1 and Voyager 2 prospects. Portions of the grids were sampled at 12.5 metre centres over zones considered to warrant a more detailed survey.