

In April, 1993, a contract was let to Pacific Phytometric Consultants (Surrey, B.C.) to collect tree top samples (Lodgepole pine) from predetermined locations in the Fish Lake area. The helicopter-mounted survey collected 276 samples from a 1625 km² area along 715 km of grid at a spacing of 2.5 km. The operation took 16 hours of flying time within a three day period in early May. Sample locations were identified using a GARMON GPS-100, providing an accuracy of +/- 15 metres. Samples were sent to GSC laboratories in Ottawa for preparation and then to commercial laboratories for INAA and ICP-ES determinations of over 50 elements.

Analytical data were received and plotted in time for field follow-up work by the project leader and R. Scagel (Pacific Phytometric) in early August. Prior to the field follow-up, discussions were initiated with property holders if portions of the data covered their specific claim blocks.

Preliminary results show generally low levels of metals in the tree tissues, but subtle multi-element anomalies (e.g. Au, As, Sb, Cs, Cr; and elsewhere Cu, Mo) occur in several areas, and permit the geochemical mapping of some chemical trends. Detailed sampling in August has provided further insight to the response of tree chemistry to known zones of Au enrichment in soils and bedrock, and has helped to quantify levels that may be of significance to mineral exploration.

C1.115 Aeromagnetic Survey (D.J. Teskey, GD)

The high resolution contract aeromagnetic survey over the Chilcotin-Nechako region (NTS 93C, E, F and G), which also includes some non-MDA areas, was awarded to Aerodat Limited on April 1, 1993. Of the total value of the contract (\$964,250) 57% (\$551,200) was funded by the BC MDA. As of mid-September, 80% of the flying operations had been completed and it is anticipated that the survey operation will be completed this fall. Data analysis will commence following delivery of data to the GSC's Aeromagnetic Surveys Section in the fall of 1993. Map and data compilation will proceed under the contract through fiscal 1993-94 and into 1994-95, with publication of maps and release of data expected by May 1994.

C1.116 Airborne gamma ray, magnetics/VLF multiparameter survey (R.B.K. Shives, MRD)

The GSC Skyvan aircraft completed an Airborne Gamma Ray Survey (AGRS with total field magnetics and VLF-EM) in the Fish Lake area in July, 1993. The area flown included all or parts of NTS 920/S 6, 11 and 12 (a total of 1900 line kms). This survey was flown with a line spacing of 500 metres.

Sept. '93 - GSC

Interior
Plateau

Interior
Plateau

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