



British Columbia Geological Survey Geological Fieldwork 1980

REGIONAL GEOCHEMICAL SURVEY QUESNEL LAKE AND QUESNEL MAP--AREAS (93A and B)

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The British Columbia Ministry of Energy, Mines and Petroleum Resources conducted a regional geochemical survey of NTS map-areas 93A and 93B during the 1980 field season. It is anticipated that the results of the survey will be released in late May of 1981 in the form of sample location maps and data sheets similar to those of previous surveys.

Stream sediment and stream water samples were collected from 1 031 sites during the ground phase of the program and from 96 sites during the helicopter-supported phase. The average sample density was one sample per 15.5 square kilometres (one per 6 square miles). In all, 1 947 samples were collected but field and laboratory duplicates and control reference samples increased the total number of samples submitted for analysis to 2 280.

A six-person sampling crew and equipment for the ground phase and a two-person crew for the helicopter phase were supplied by Stokes Exploration Management Co. Ltd. Both phases were supervised by J. Bristow, the Ministry representative.

Sample preparation was done by Kamloops Research & Assay Laboratory Ltd. The stream sediments were analysed for uranium by Novatrack Analysts Ltd. and for all other elements by Chemex Laboratories Ltd. The stream waters were analysed by Bondar-Clegg & Company Ltd.

The stream sediments were analysed for zinc, copper, lead, nickel, cobalt, silver, manganese, iron, arsenic, molybdenum, tungsten, mercury, uranium, and antimony. The stream waters were analysed for uranium, fluorine, and pH. The data processing was performed by the Geological Survey of Canada data processing group.

Figure 80 shows the map-areas that have been covered to date, the area of the 1980 survey, and the area for the proposed 1981 survey. The results of the 1979 survey in map-areas 92O (Taseko Lakes) and 92P (Bonaparte River) were released on June 6, 1980.



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Victoria, 1981