



# British Columbia Geological Survey Geological Fieldwork 1981

## REGIONAL GEOCHEMICAL SURVEY HOPE, ASHCROFT, AND PEMBERTON MAP-AREAS (92 H, I, and J)

By W.J. McMillan

The British Columbia Ministry of Energy, Mines and Petroleum Resources conducted a regional geochemical survey of map-areas 92H, 92I, and 92J during the 1981 field season. It is anticipated that analytical work will be completed and the data compiled in late May of 1982. Results of the survey will be released in June or July, depending on snow conditions, in the form of sample location maps and data sheets similar to those of previous surveys.

Stream sediment and stream water samples were collected in a truck-supported ground phase where possible and with helicopter support in more remote locations. Sample density was similar to that for previous surveys, about 1 per 15 square kilometres.

The sampling crew and equipment for the program were provided by ROOI Enterprises Ltd. Helicopter support was from Quasar Aviation Ltd. Ministry supervision was supplied by W.J. McMillan and W.M. Johnson.

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

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

Figure 1 shows map areas covered by previous surveys and those covered by this survey. Results of the 1980 program in areas 93A and 93B were released May 26, 1981.