



# British Columbia Geological Survey Geological Fieldwork 1984

## STREAM SEDIMENT SAMPLING OF THE WOKKPASH PARK PROPOSAL AREA (94K/7)

By A. Legun

A five-day stream sediment sampling program was undertaken in the Wokkpash Park Proposal Area in August. The area, which encloses the watershed of Wokkpash Creek, is located 32 kilometres due south of mile 400 on the Alaska Highway (Fig. 111, page 302). This year's work complements previous geological ground observations (Legun, 1984). The abandoned Racing River road was washed out, so it was necessary to walk into the Wokkpash Valley from a point near the Alaska Highway.

To minimize the cost of flying, valley bottom sites were accessed by foot and samples cached periodically during a traverse to the end of the valley. Alpine areas were sampled and caches retrieved by helicopter, just before flying out.

Sample sites included Wokkpash Creek and all major tributaries (Fig. 111). A total of 44 samples were collected. In the main valley, tributaries were sampled on foot; samples are sited at the tops of alluvial fans where the tributaries exit their bedrock valleys or canyons. Silt-sized sediment of sufficient volume was difficult to obtain. Glacial debris transported from outside the immediate watershed frequently contaminated samples. In several instances the composition of alluvial rubble contrasted sharply with that of adjacent bedrock.

Analyses for gold, silver, copper, lead, zinc, cobalt, nickel, barium, and fluorine are underway; results are expected by early 1985. This quantitative data should facilitate an appropriate land use decision to be made for this proposed park area.

### REFERENCE

- Legun, A. (1984): Geologic Reconnaissance of the Wokkpash Park Proposal Area (94K), *B.C. Ministry of Energy, Mines & Pet. Res., Geological Fieldwork*, 1983, Paper 1984-1, pp. 146-148.

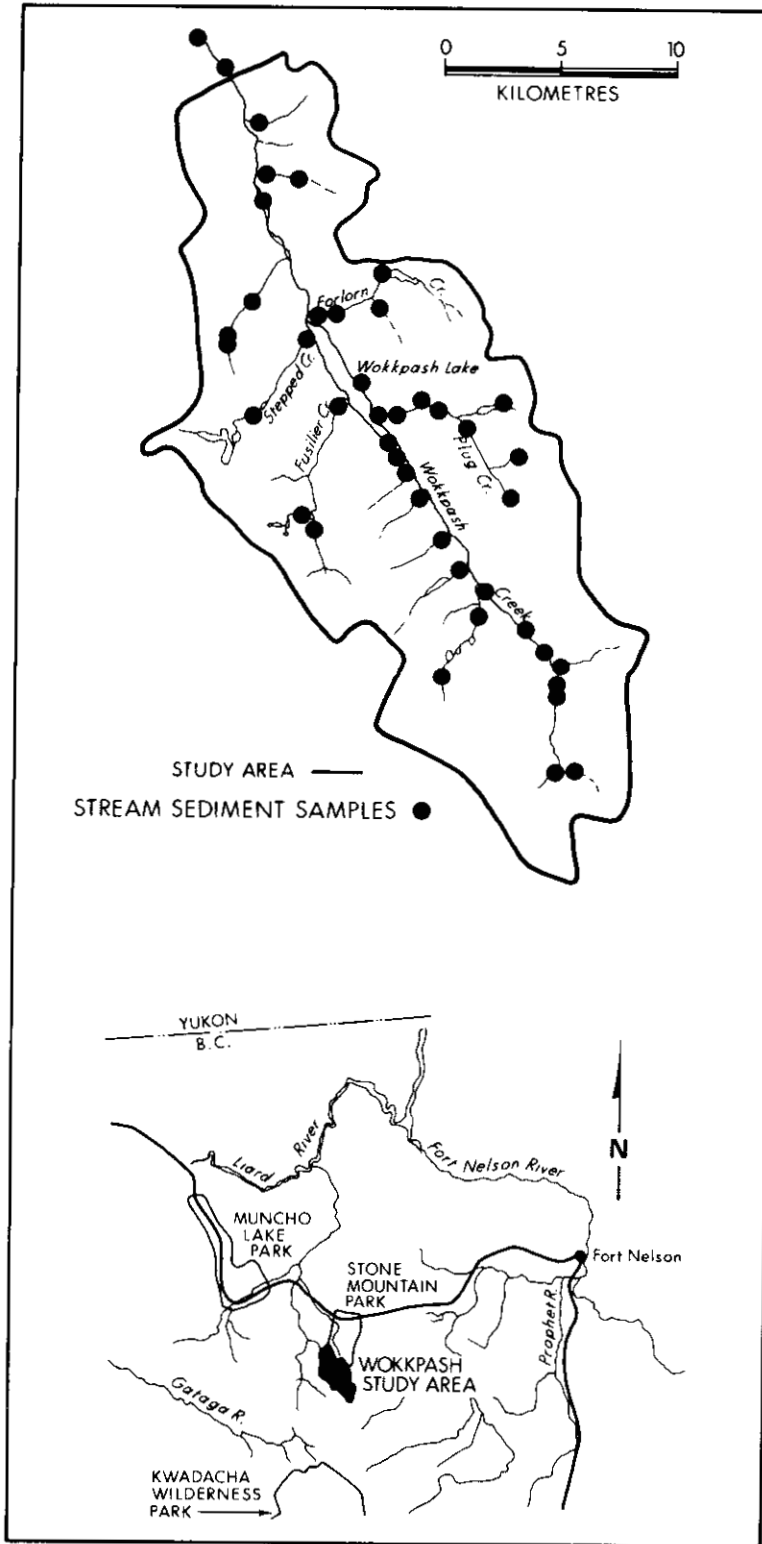


Figure 111. Location map and stream sediment sampling sites, Wokkpash Park Proposal area.