BEAVERDELL AREA
(82E/6E)

By P. A. Christopher

Approximately six weeks during the 1976 field season were spent revising and extending geological mapping in the Beaverdell area. Work was mainly concentrated in the Tuzo Creek – Eugene Creek valleys. Previous interpretation of the quartz monzonite porphyry along Tuzo Creek as a stock (Geological Fieldwork, 1975) appears to be incorrect. A series of shallow-dipping sheeted dykes would best explain the sequence of alternating Nelson granodiorite and quartz monzonite porphyry. This environment contains minor *copper, molybdenum, gold, lead, zinc, and silver mineralization in narrow (1 metre)* pyrite and magnetite-rich zones at dyke contacts and in rare quartz-carbonate veins.

As part of a study of the age and nature of mineralization in the Beaverdell area, K-Ar whole rock ages were obtained for a Wellington-type dyke (60.4±2.2 m.y.) and for an Idaho-type dyke (49.4±1.5 m.y.).

A preliminary map of the Beaverdell area will be compiled from fieldwork completed during parts of the 1975 and 1976 field seasons.