

LOGTUNG - (1040/13E)

The Logtung tungsten-molybdenum prospect is located on the B.C.-Yukon border approximately 70 km southeast of Teslin (turnoff km 1213 Alaska Highway). During 1976 exceptionally strong tungsten geochemical values were located in the Logjam Creek area and systematic exploration revealed tungsten in large areas of green skarn. Three mineralized skarn zones within metasedimentary rocks have been outlined on the property: The B.C. Showing, the Central Showing, and the Yukon Showing. Metasediments, hornfels and skarn exist between two elongate northerly trending diorite bodies. A younger quartz monzonite occurs on the southern (B.C.) part of the property and is the probable source of quartz stockwork veining in the metasediments. Mineralization is also present in tiny veins and fractures and appears to be preferential to a green skarn. Typical skarn minerals include diopside and red garnet. Mineralization consists of mainly scheelite, powellite, and molybdenite in a quartz gangue. Accessory minerals include purple fluorite and beryl. Massive galena-sphalerite-pyrrhotite veins occur to the north on the property. Mineralization occurs within three varieties of metasediments: light green skarn, dark green skarn, and calcsilicate. Scheelite also filled fractures within the diorite. The B.C. Showing may be 120 metres thick with attitudes in the metasediments being north-east and dipping 40° to the southeast.

? - late QFP dykes

In the Yukon Showing two main northwesterly trending quartz monzonite porphyry dykes, probably related to the main quartz monzonite to the south, intrude the metasediments.

During 1977 Amax, under an option agreement with Logtung Resources Ltd., reconstructed a 13 kilometre road to the property from the Alaska Highway, set up a permanent trailer camp on the property, constructed a

limited amount of access roads to the Showings, and completed 1,500 ~ 9000 ft. metres? of diamond drilling in 14 holes over the property. It is hoped that the prospect has the potential to host a large, low-grade tungsten, molybdenum deposit amenable to open pit.

[Ref.: MI - 1040-16].

Visit to Amax - Oct. 17/77

"BC" zone - bombed out - talus material not rep.
of bedrock i.e. core too low (ca. 0.03 wt%)
Fred - back to close camp - ddh finished

"Boiling" texture in late aplitic dyke
& also assoc. with gtz. stockwork in

BC zone.
- rep. sudden loss or escape of volatiles
leaving essentially gtz (\pm ksp) + attendant loss of pressure + boiling
- pulsating, ribbon texture created by
build up of pressure & release during
boiling.
- common in other mos₂ prospects - eg. Roundy