

Memo To: Vic Preto

880362

From: Robert Pinsent

Date: September 10th, 1992

Subject: SOUTHWESTERN DISTRICT MONTHLY REPORT: AUGUST
-----AVALANCHE (4) AVALANCHE: TECK CORPORATION

(new?)

925/10

The Avalanche is a helicopter accessible property approximately 2.0 kilometres northeast of Tenquille Lake, northeast of Pemberton Meadows. It lies within a PAS "Category 3 Large Study Area".

The property covers a "Kuroko-type" volcanogenic "massive sulphide" environment in deformed Cadwallader Terrane rocks approximately 10.0 Kilometres east of it's bounding structure with Wrangellia.

The property covers a series of subvertical panels of intermediate volcanic rock, including lapilli tuff, felsic volcanic rock, including ash and lapilli tuff and breccia and sediment, including black (graphitic and pyritic) shale and chert. Contacts are probably mainly stratigraphic although the package is cut by a regional shear zone (Grizzly Shear) and there could be considerable tectonic dislocation. Some of the units could be tectonically interleaved.

The package includes two zones of possible "massive sulphide" mineralization that are associated with weak to intense alteration and pyritization. They are defined by pronounced surface gossans. The "Lower Zone", west of the main trace of the Grizzly Shear, consist of a highly pyritic chert horizon that contains a minor amount of base metals. It also corresponds to a good lead anomaly in soil. The "Upper Zone", east of the shear, lies on the west flank of a large felsic unit. It is comprised of a minor amount of base-metal mineralization associated with intense sericite and carbonate alteration.

The "Upper Zone" is also marked by an enigmatic showing comprised of what is either a thick carbonate vein with an incorporated block of banded "high-grade" vein lead-zinc sulphide on one flank or a small intercalated (recrystallized) limestone lens that includes a block of bedded "high-grade" lead-zinc massive sulphide.

Teck optioned the property a couple of years ago. The Company has mapped the property and has conducted ground geophysical and geochemical surveys. These have proved to be inconclusive as the package contains two major bands of conductive graphitic shale. Teck drilled the property for stratigraphic data last year and encountered substantial thicknesses of altered and weakly mineralized rock. The Company has just completed a second season of drilling, again with inconclusive results. It has not found incontrovertible evidence of a sulphide-filled depression near surface. It remains to be seen whether the Company is back next year. Needless to say, it is a little concerned about the park proposal.



R. H. Pinsent