

## I N T E R O F F I C E   M E M O R A N D U M

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 From: Bill McMillan of EMPR  
 WCMILLAN  
 Dept: Energy, Mines & Petroleum Res.  
 Tel No: 952-0444 (FAX 952-0381)

TO: Distribution List suppressed (Current User: David Lefebure of EMPR )

Subject: Getty Mines property, Highland Valley

Notes on visit to Highland Valley project of Getty Mines by  
 Bill McMillan and ZTom Schroeter on 95-10-18

The project is being run by Ken Northcote and Steve Gower for Getty Mines.

They are carrying out satellite image analysis, mainly to define linears, and detailed mapping to improve on our regional maps at the property scale.

The first phase project budget is \$1.8 Million with possible expansion to nearly \$4 Million if results warrant it. About 18000 feet of drilling have been completed; the phase I program is planned for 30000 feet by February 1996. They are drilling H core and recovery is generally good. Deepest hole so far is 1100 feet.

Focus to date has been Getty North (the old Krain property). It occupies the northwest sector of a large chargeability anomaly that extends east and south.

Mineralization is considered in 3 classes:

oxide	averaging 0.6% total copper
sulphide	averaging 0.5% copper
low grade stockpile	averaging 0.3 to 0.5% copper

Initial metallurgy suggests the copper in the oxide is leachable with acid consumption on the high side of acceptable.

The sulphide material has molybdenum credits. It is being tested to evaluate gold and silver values.

Sulphide minerals are: pyrite (ranges to 10%), chalcopyrite, and possibly bornite. The copper minerals are very fine grained, often disseminated in mafic minerals. They also occur in veins and fractures, and in their alteration halos.

The host rocks are granodiorite (Guichon phase) and various porphyry dikes and possibly small stocks. The deposit is overlain unconformably

by Tertiary Kamloops volcanic rocks. The oxide is beneath the volcanics, and is probably Tertiary or older.

The target is 30 Million tons of oxide ore grading over 0.5% total copper; the minimum that might be economically feasible to operate is said to be 20 Million tons. They are about half way there, according to Steve Gower. Estimated capital cost to mine the oxide material is about \$25 Million. They intend to sell the rights to the sulphide ore after the oxide has been mined.

WJM

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