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Afton Mining
(formerly Tamarack)

AFTON 1417E. LTR (1965)
PROPERTY OF TAMARACK SYNDICATE

INFORMATION & DATA

C.F. Miller
August 12th, 1965.

HISTORY

Was first explored by English company around turn of century. Since 1952 has been examined by such as Kennecott, Noranda, Graham Bousquet, New Jersey Zinc.

Has lately undergone considerable drilling by Tamarack with encouraging results.

LOCATION

8 miles W. of Kamloops. Near Rolling Hills (500,000 T C 0.7% Cr), Galaxy (5,000,000 T C 0.7% Cr), Cominco (7,000,000 T C 0.7% Cr), Kamloops Copper, etc.

CLAIMS HELD

Totals roughly 60 claims, on which sufficient work has been done to hold at no cost (apart from payments to prospector) for about 2 years. The main ore showings are located near the center of the claims area, so there is no danger of adjoining ownerships causing difficulties.

PAYMENTS REQUIRED

The prospector is to be paid \$48,000.00 in 42 monthly installments commencing December 15th, 1965.

GEOLOGY AND MINERALIZATION

The ore found to date is of "porphyry" type - resembling Bothlehen Copper rather than Craigmont - and so far as known is not necessarily confined by any geologic feature, so that chances of finding extensions to known ore, or other orebodies nearby, are good.

The metals of importance are copper (which occurs in unusually rich forms - native, bornite, chalcocite, as well as the usual chalcopyrite) plus slight amounts of molybdenum and gold. Concentrates resulting from milling this ore would be premium-priced due to high copper content. The native copper may give way to chalcopyrite as one goes deeper down into the orebody.

WORK DONE TO DATE

- 330' shaft by English Company (1900)
- 4,000' diamond drilling by Kennecott (1952)
- 1,000' diamond drilling by Noranda (1957)
- Geochemical and E.H. Survey by Graham Bousquet (1956)
- I.P. survey by New Jersey Zinc (1959)
- 10,000' percussion drilling by Tamarack (1965)

RESULTS OF WORK DONE

- Shaft was apparently in low grade nearly all the way
- Kennecott drilling indicated widespread, but not continuous mineralization
- Noranda drilling was done in other areas, found some marginal to submarginal values
- Geochemical and Geophysical surveys showed large anomalies - i.e. areas of potential ore.

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Cont. RESULTS OF WORK DONE

- Drilling by Tamarack has blocked out roughly 2½ million tons ore @ 0.6% Cr which is well suited for open pit mining. This tonnage is open down-dip and at one end, and the writer thinks it could probably be doubled by deeper drilling (beyond the range of our present drill).

CONCLUSIONS

Tamarack is now on the threshold of having an economic open pit mine. The writer is confident that more drilling, coupled with an I.P. survey, will prove up enough ore to attract sufficient capital to put the property into production, especially so if the necessary mill can be partially capitalized against the other multi-million ton orebodies owned by others (Galaxy and Cominco) nearby.

Tamarack must raise more money to further the work on this property. Estimates of the moneys which are, or may be, required are:

1. \$50,000.00 to pay off prospector
2. \$50,000.00 for more drilling
3. \$30,000.00 for I.P. surveys

This is certainly warranted by present results.

4. Say \$ 300,000.00 for confirmation and detailing
5. Roughly \$2,000,000.00 for 2000 TPD mill
6. Roughly \$1,000,000.00 for operating capital
7. Roughly \$1,000,000.00 for mining machinery (or could contract mining out and save this outlay).

Only needed if production is decided upon.

*We will to conduct a geophysical survey to see
as far as can be obtained. The results will be most
interesting.*

C.F. MILLAR.