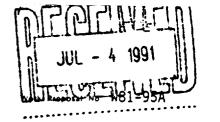
Work Proposal

Exploration





Property of Account FISH LAKE (

FISH LAKE (Supplementary)

Estimated Expenditure \$ 68,000

\$1,468,000

Finance 1

District or Office Western District Period Oct. 1, 1981 To Dec. 31, 1981 Date 30 September 1981

Statement of Proposal: To provide funds for a continuation of the metallurgical tests and to do further assay work on the old Quintana core.

<u>Summary of Proposal</u>: To-date metallurgical test work on the Fish Lake deposit has been done by both Bethlehem Copper and more recently by Cominco. This work has indicated Cu and Au recoveries of about 88 and 65 percent respectively, but it is possible we may improve the Au recovery by dropping the copper grade of the concentrate and/by recovering Au from a pyrite concentrate. Kimberley is currently doing this work, under the authorization of O.E. Owens, and this should be done shortly.

In addition to the above work, further assaying of the 1973/74 Quintana core (35% of drilling on the deposit) is required. Unfortunately, they only did Cu and Au assays and it is apparent from the 1981 Bethlehem drilling that Mo may be present, in the peripheral parts of the deposit, in economically interesting amounts (0.005 - 0.012%). At present the data are insufficient to determine tonnage and grade of the Mo zone.

It is therefore proposed to continue with the metallurgical work in an attempt to improve Au recoveries and to assay part of the Quintana core for Mo as only half of the rejects exist. Also to bring the data base up to the Bethlehem level we should also do Ag assays on all samples plus some Cu and Au checks.

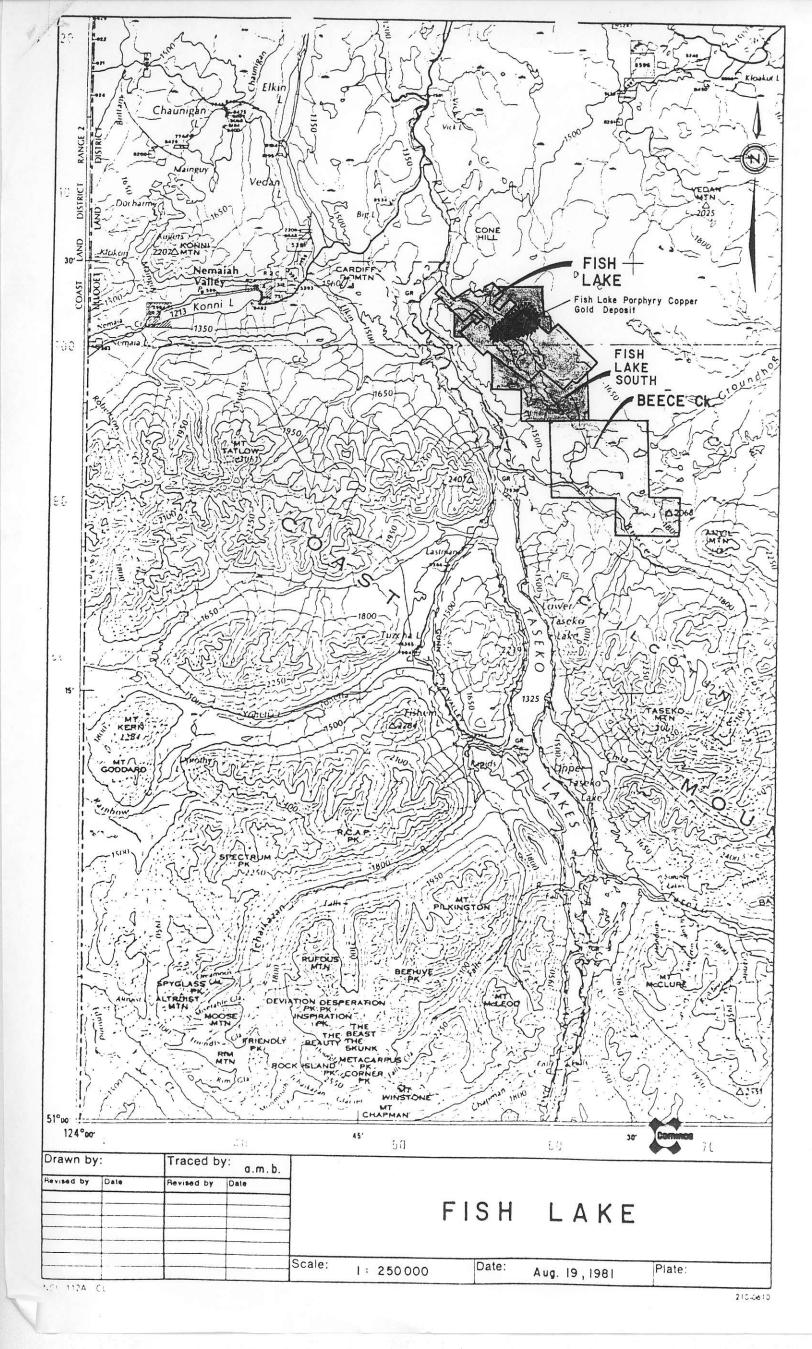
Tenure: Cominco may acquire an 80% interest in the property by incurring cumulative optional expenditures totalling \$360,000 by Nov. 30, 1983 (already satisfied); by purchasing 10,000 shares of Taseko Mines by Nov. 30, 1981 and an additional 10,000 shares by Nov. 30, 1982 at a cost of 75¢ and \$1.00 - respectively and by notifying Taseko before Nov. 30, 1984 of its intention to bring the property into production.

Estimated Expenditures:

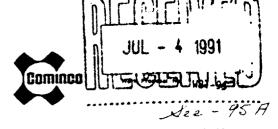
1.	Expenditures approved to Dec. 31, 1981		\$1,400,000
2.	Proposed Further Expenditures		
	Truck (1 for ½ month) Temporary Salaries (2 men for ½ month) Geology miscellaneous Assays (1,600 pulps for Mo, Ag; 160 Cu and Au) Metallurgical (estimated) Domicile (2 men for ½ month) Administration	\$ 700 5,000 1,350 23,000 30,000 1,750 6,200	\$ 68,00

Previous Expenditures - Bethlehem, Cominco 1981 - \$1,400,000 (estimated to year-end).

District Funds:		
Previously Unallotted		Probability Rating
This Proposal		Size Potential +200 m.t.
Salance Unallotted		of .24% Cu, .014 oz/ton — Au. A
Approved:		Proposer: M. Ontent
Director, Exploration,		Endorsed: W. J. Mayer
Charge Appropriation:	, _	Manager, Exploration
onarge Appropriation.	774	Chief Geolog St. Exploration



Work Proposal Exploration



Property of Account Fish Lake

Charge Appropriations

. Co Pres -ent Expression . 1

Estimated Expenditure : 1,400,000

Deserted or Officer Western District

Percod Jan. 1, 1981

ToDec. 31, 1981

Date July 26, 1981

STATEMENT OF PROPOSAL: To account for 1981 expenditures incurred by Bethlehem for a diamond drilling program and to do further core logging, geological mapping, soil sampling and I.P. The drilling was designed to firm up previously indicated tonnage and grade while the surface work is required to plan further definition drilling of the deposit.

SUMMARY OF PROPOSAL: The Fish Lake deposit is located 250 km north of Vancouver, B.C. and was acquired early in 1981 from Bethlehem Copper Corporation.

Work done by previous workers consisted of limited diamond drilling by Phelps Dodge in 1960; I.P., soil geochemistry and about 100 m of drilling by Nittetsu in 1970 and 6,000 m of drilling by Quintana in 1974. In 1979/80 Bethlehem did 3,370 m of percussion drilling to test a Au-As soil anomaly, with associated gold showings, about 600 m east of the main deposit (Albert and Renner zones). This work was followed in 1981 by 10,065 m of diamond drilling, principally on the main deposit, which together with the Quintana drilling indicated a zone of at least 200 m.t. of 0.24% Cu and 0.014 oz/ton Au with minor Ag and Mo values. The mineralization is open to depth, along the west and south edges and possibly to the northwest. It consists mainly of pyrite and chalcopyrite, along fractures and in quartz veinlets, that are hosted by highly chloritized and sericitized quartz diorite porphyry, quartz-feldspar porphyry and coeval, volcaniclastic andesitic sediments of Cretaceous age. The mineralized zone is covered by 10-70 m of overburden which results in only two small areas of anomalous Cu and Au values in the soils, but an LP survey shows a large strong chargeability anomaly (3-12% F.E.) and a coincident resistivity anomaly (+700 ohm m) over the immediate area of the deposit - both of which are open to the west and northwest.

The work to-date has clearly demonstrated the presence of a large tonnage of low grade Cu-Au mineralization, which has not been adequately defined. To better guide further drilling we need additional I.P. (28 km), soil geochemistry (37 km) and mapping around the deposit plus a thorough re-logging of all the existing core. This work is presently underway and should be completed by the emd of September. Besides the above work the budget is supporting metallurgical test studies at the Bethlehem Mine and at Cominco's laboratory in Kimberley.

TENURE: Bethlehem may acquire an 80% interest in the property by incurring cumulative optional expenditures totalling \$360,000 by Nov. 30, 1983 (already satisfied); by purchasing 10,000 shares of Taseko Mines by Nov. 30, 1981 and an additional 10,000 shares by Nov. 30, 1982 at a cost of 75¢ and \$1.00 respectively and by notifying Taseko before Nov. 30, 1984 of its intention to bring the property into production.

ESTIMATED EXPENDITURES: Expenditures to Junes 30, 1081 plus future committments \$1,268,000 Proposed expenditures to December 31, 1981 Permanent salaries (1 man for 3 mo., field and 3 mos., office; 1 man for 2 mos., office) 37,000 Temporary salaries (4 men for 15 mos., field) 12,000 Truck (1 for 4 mos.) 4,000 Geophysics (28 km I.P.) 30,000 Computer time
Analyses (soil samples, polished sections, sulfide study)
Domicile (8 man months) 5,000 22,000 5,000 Miscellaneous (core boxes, shipping) 5,000 12,000 Administration \$1,400,000 NB: See attachment for details District Funds: Probability Rating Previously Unaflotted Size Potential +200 m.t. of This Proposal .24% Cu and .014 oz/ton **Balance Unallotted** Air Proposer: Approved: Endorsed

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Espidiatio

FISH LAKE EXPENDITURES TO DECEMBER 31, 1981

1. PAST EXPENDITURES

Bethlehem to May 1/81 \$1,176,440 Cominco in May 21,677

2. ESTIMATED JUNE EXPENDITURES

Salaries (AP)	\$ 3,900	
Truck	480	
Assays	9,000	
Domicile	1,800	
Surveying	6,500	
Computer	3,555	
•	including Administration	27,753

3. FUTURE COMMITTED EXPENDITURES

Share purchase	7,500	
NJW bonus	3,800	
Metallurgical testing	27,000	
•	including Administration	42,130

4. PROPOSED EXPENDITURES TO DECEMBER 1981

Permanent Salaries (AP 6 months,				
MJO 2 months)	37,000			
Temporary Salaries(field, drafting)	12,000			
Truck	4,000			
Miscellaneous(core boxes, shipping				
etc.)	5,000			
Geophysics (IP 25 km, Y log)	30,000			
Computer	5,000			
Analyses(soil, polished section,				
sulfide study)	22,000			
Domicile	5,000			
includ	ing Administration	132,000		
	TOTAL:	\$1,400,000		