

82E2

MINERAL EXPLORATION DIVISION

A. F. E. No. _____

TITLE:

812141

GREENWOOD PROPERTY,
GREENWOOD AREA, B.C.ESTIMATED
COST:Proposed A. F. E. No.

Acquisition	\$14,000
Salaries & Wages	9,000
Surveying and Mapping	1,500
Drilling (percussion)	29,000
Excavation	1,000
Assaying & Sampling	1,500
Travel	4,000
Equipment	500
Miscellaneous	1,000
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Total	\$61,500
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PROJECT
DESCRIPTION:

The property comprises some 76 claims situated immediately south of the old Mother Lode and Greyhound mines just west of the old Greenwood Smelter. Granitic plugs of the Nelson Intrusion Series of Mesozoic age cut metamorphic Paleozoic rocks in which high-grade copper-rich skarns provided the basis for the old Greenwood Camp mining operations. The present interest lies in the presence of disseminated chalcopryrite and bornite within a small, previously unmapped intrusive plug and adjacent silicified and hornfelsed metasediments and metavolcanics. The property is readily accessible to the Canadian Pacific Railroad and the #3 Trans Provincial Highway.

A covered area of low ground appears to be the junction of two strong linear features. To the north of this, mineralized skarns provide the setting for the old Mother Lode and the as yet unproductive Greyhound Pit. On the east, trenching has exposed an altered medium-grained quartz diorite locally containing up to 0.2% copper, while to the west old workings in hornfelsed andesitic rocks and tactites contain appreciable amounts of chalcopryrite and bornite exposed over a broad zone. A bulk sample taken over an area of 100'x400' assayed 0.02 oz. Au and 0.45% Cu in this locality.

Data from previous I.P., soil geochemical surveys and geological mapping carried out for Utah Construction and Mining as well as an earlier Huntco I.P. survey and diamond drill records are available to Cyprus and indicate that the tactite exposed at the western margin of the intrusive, which is coincident with a ridge of high chargeability and high copper values in soils, is a good target area.

The zone extends north-northwest for some 3,000 feet tapering from 1,000 feet at the southern end to 600 feet in the north. Of the five diamond drill holes in the vicinity of this zone, three have cut good copper values in the tactite of up to 200 feet of 0.3% copper with additional values in sludge returns in zones of poor recovery. In the two holes bottoming in tactite, the last three 10 foot assays for DDH #2 ran 0.55%, 0.61% and 0.42% Cu respectively. Hole #3 was abandoned at 150 feet with a bit left in the hole, but showed good values for the length of the hole with from 0.3 to 0.4% Cu. The westerly limits of the tactite have yet to be tested by drilling, but the zone could be up to 600 feet wide as indicated by surface showings. The presence of plums of a few hundred tons of bornite and chalcopyrite can be anticipated from the numerous shallow open pits and short shafts excavated by high graders in the early 1900s.

Some potential also exists on the northern section of the property for hematite-copper replacement orebodies of the Mother Lode and Phoenix type which contained some 5 to 10 m. s. t. of 2% Cu.

The present land situation is a combination of three previous properties known as the Bombini, San Jacinto and Shear McLean holdings, put together and presently controlled by Fury Explorations Ltd. (N.P.L.) of Vancouver, B.C. Cyprus may earn the right to an initial 70% by expenditures of \$500,000 and payments of \$112,000 over 5 years broken down as follows:

PAYMENTS

On signing agreement (assume prior to 31 Dec. 1972)	\$4,200
On 1 Jan. 1972 and each succeeding month for 10 months inclusive of 1 Oct. 1973	\$600
On 1 Nov. 1973 and each succeeding month for 12 months inclusive of 1 Oct. 1974	\$700
On 1 Nov. 1974 and each succeeding month for 12 months inclusive of 1 Oct. 1975	\$800
On 1 Nov. 1975 and each succeeding month until property is placed into production	\$1,300

In addition payments on the San Jacinto ground are:

On 1 April 1974	\$20,000
On 1 Nov. 1976	\$30,000

EXPENDITURES

		Accumulative
Before 30 June 1973	\$20,000	
Before 31 Dec. 1973	30,000	\$50,000
Before 30 June 1974	30,000	80,000
Before 31 Dec. 1974	40,000	120,000
Before 31 Dec. 1975	80,000	200,000
Before 31 Dec. 1976	100,000	300,000
Before 31 Dec. 1977	200,000	500,000

A further 10% would accrue to Cyprus on agreement to place the property into production. All pre-production costs would be returnable with interest, from the net profits of any successful mining venture.

WORK PROGRAM:

In view of the data coverage already available it is proposed to relocate the old surveys by means of well established terrain features and transfer the information to a common base on a new, contoured topographic map to be prepared from air photographs at a scale of 1" to 400'.

It is considered that a series of short 300-500 foot percussion holes to a total of 4,000 feet should adequately test the tactite zone and adjacent intrusive as a source of a large open pit copper potential. Successful results would require further funds for diamond drilling and testing of possible extensions. Search for a replacement orebody of the Mother Lode type would be a secondary objective to be carried out if (a) the tactite zone does not fulfill expectations or (b) as a long term objective if the tactite zone exceeds expectations.

JUSTIFICATION:

The situation is of above average potential with possibilities for at least two types of orebody, in a classical old copper camp setting in which

ground has for many years been fractionated and not amenable to effective exploration. At present a well mineralized tactite zone appears to offer the best chance of success. Because of the good data base already in existence percussion drilling can be used to test the potential of the property both rapidly and cheaply. This and the excellent location of the ground with respect to transport, power and township facilities, in my opinion justifies the expenditures requested.

APPROVAL:

J. G. Simpson

J. G. Simpson

Date
12 Jan 1973

J. B. P. Sawyer

J. B. P. Sawyer

12.1.73.

C. A. Mark

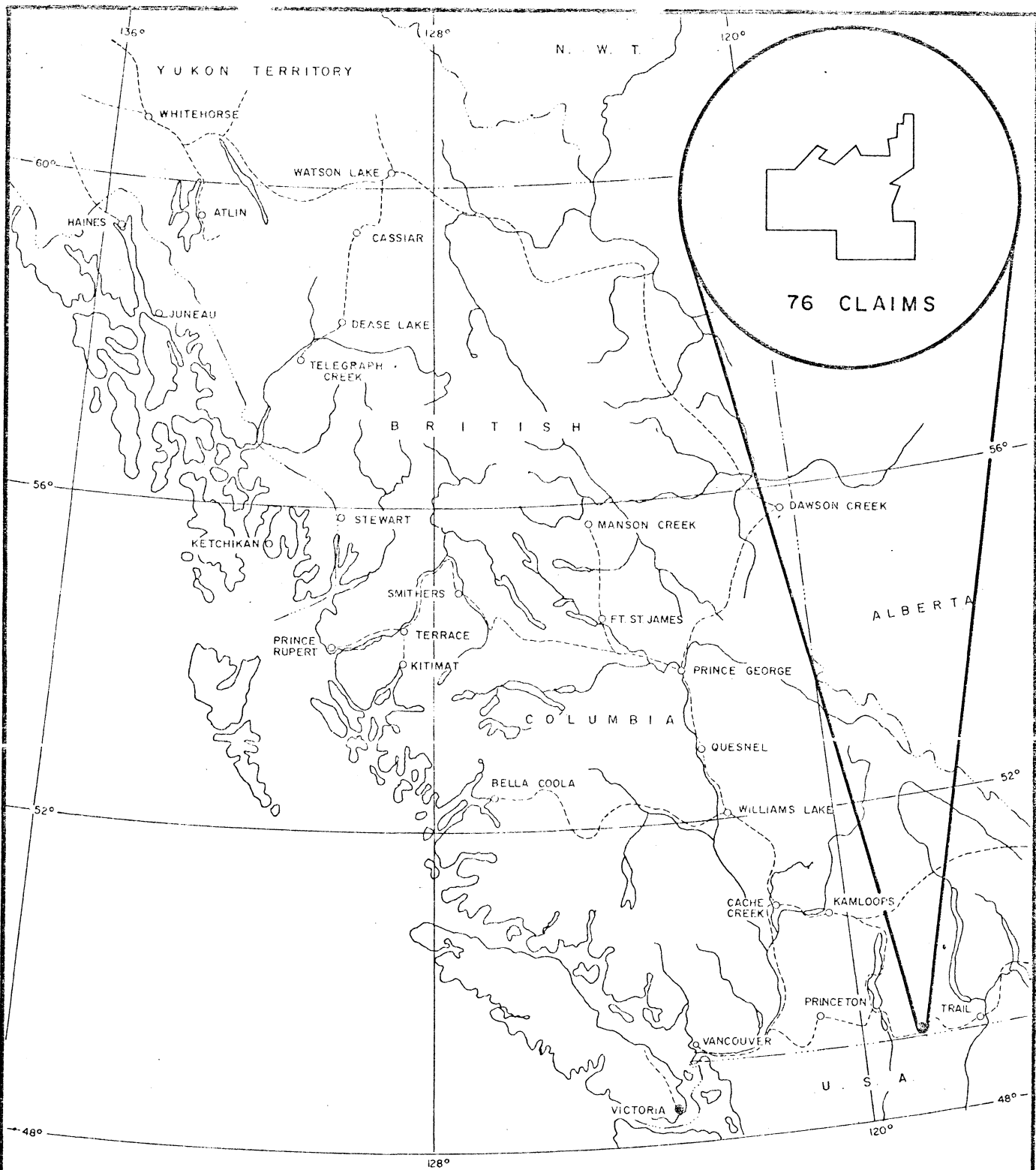
J. G. Hansen

K. Lieber

GREENWOOD PROSPECT

PROPERTY LOCATION MAP

BRITISH COLUMBIA



GREENWOOD PROSPECT

PROPERTY LOCATION MAP

BRITISH COLUMBIA

SCALE 1" = 125 MILES

March 6, 1973

CLV-681

TO: J. B. P. Sawyer
FROM: J. G. Hansen
SUBJECT: Greenwood Property, Greenwood Area, B. C.

Please substitute this enclosed copy of AFE No. 5-73 (with K. Lieber's signature on it) for the copy which was sent to you on February 12, 1973 in CLV-667.

J. G. Hansen

JGH/sc
enclosure

cc: (w/enclosures) P. J. McLean
G. A. Daniels
C. A. Mark
C. B. Hutchens

MEMORANDUM

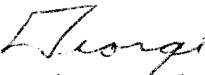
February 28, 1973

TO: J. G. Hansen

FROM: G. A. Daniels

SUBJECT: AFE 5-73 for Exploration of Greenwood Property
Greenwood Area, B. C. (\$50,000)

Since the subject AFE exceeds \$40,000, it requires the approval
of K. Lieber.


G. A. Daniels

GAD:db

attach.