84-1348-13167
10/85

Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

ASSESSMENT REPORT
TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S): Geochemical, Geophysical, Geological, Prospecting
TOTAL COST: 26,111.85 ~~26,113.45~~ K.T.

AUTHOR(S): K.J. Taylor SIGNATURE(S): K.J. Taylor

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED: YEAR OF WORK: 1984

PROPERTY NAME(S): Summit Gold 1-5
" " 6

COMMODITIES PRESENT: ~~As~~ Gold

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN: —

MINING DIVISION: Kamloops NTS: 92I/4E

LATITUDE: 50°05'N LONGITUDE: 121°38'W

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property [Examples: TAX 1-4, FIRE 2 (12 units); PHOENIX (Lot 1706); Mineral Lease M 123; Mining or Certified Mining Lease ML 12 (claims involved)]:

Summit Gold 1-5
" " 6

OWNER(S)

(1) Hudson Bay Expl. & Dev. Co. Ltd. (2)

MAILING ADDRESS

900-837 W. Hastings St.
Vancouver, B.C.

rec'd jan 14/85

OPERATOR(S) (that is, Company paying for the work)

(1) Hudson Bay Expl. & Dev. Co. Ltd. (2)

MAILING ADDRESS

(as above)

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude):

Jurassic (?) metasediments and possibly greenstones associated with a serpentine belt and major shear structures. Sediments have undergone lower Greenschist metamorphism. Mineralization (gold) is associated with shear zones and also a microcline-actinolite skarn. Zones are stepply dipping and limites are as yet unknown.

REFERENCES TO PREVIOUS WORK

See bibliography in report.

(over)

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	COST APPORTIONED
GEOLOGICAL (scale, area)			
Ground	9 km²	{Summit Gold 1-5}	2110.00 K.T. ~~1410.00~~
Photo		{Summit Gold 6}	~~700.00~~
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic	16.85 line-km.	8.2 on Summit Gold 1-5, 8.65 on Summit Gold 6	2192.00
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for ....)			
Soil	343	171 on Summit Gold 1-5, 172 on Summit Gold 6	3566.20 K.T. ~~1797.20~~
Silt			
Rock			
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralogic			
Metallurgic			
PROSPECTING (scale, area)	1 km²	Summit Gold 1-5	1469.38
PREPARATORY/PHYSICAL			
Legal surveys (scale, area)			
Topographic (scale, area)			
Photogrammetric (scale, area)			
Line/grid (kilometres)	6.4 km	2.3 on Summit Gold 1-5, 4.1 on Summit Gold 6	1216.00
Road, local access (kilometres)	4.4 km	~~4.4~~ Summit Gold 1-5	9933.27
Trench (metres)			
Underground (metres)			
Reclamation	5 man-days	Summit Gold 1-5	400.00
Transport, Room/Board, Report Prep.		Summit Gold 1-5, Summit Gold 6 ~~TOTAL COST~~	~~5725~~.00 K.T.

FOR MINISTRY USE ONLY	NAME OF PAC ACCOUNT	DEBIT	CREDIT	REMARKS: TOTAL COST ~~26,112.45~~ 26,111.85 K.T.
Value work done (from report)				
Value of work approved				
Value claimed (from statement)				
Value credited to PAC account				
Value debited to PAC account				
Accepted ..... Date	Rept. No.			Information Class

GEOCHEMICAL, GEOPHYSICAL, GEOLOGICAL
and
PROSPECTING REPORT ON SUMMIT GOLD GROUPS

SUMMIT GOLD 1-5
SUMMIT GOLD 6

Kamloops Mining Division
Nahatlatch Area, Boston Bar, B.C.

NTS 92I/4E

Latitude 50°05'N Longitude 121°38'W

Date of Work:	July 9 - September 4, 1984
Owner:	Hudson Bay Exploration & Development Co. Ltd.
Operator:	Hudson Bay Exploration & Development Co. Ltd.
Report by:	K.J. Taylor, B.Sc.
	January 11, 1985

GEOLOGICAL BRANCH
ASSESSMENT REPORT

13,167

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FIGURES and MAPS

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BOSTON BAR REPORT

SUMMIT GOLD CLAIM

INTRODUCTION:

The Summit Gold claims were part of a group of contiguous claims optioned from Caara Ventures Inc. and Sheen Minerals Inc. in the spring of 1984. The purpose of the option was to investigate an area of anomalous gold geochem apparently associated with a major shear and serpentine belt similar to that near the Carolyn Mine to the south.

As part of a comprehensive program on the Caara-Sheen claims, the Summit Gold 1-5 and Summit gold 6 groups underwent soil sampling (343 samples), VLF-EM surveys (16.85 km), 1:10,000 scale geological mapping (9 sq. km) and prospecting (1 sq. km). A total of 16.85 kilometres of section line was put in on the Summit Gold claims along which the above surveys were carried out (note mapping and prospecting extended outside grid area).

Although anomalous arsenic values were quite extensive over much of the claims, the gold values were very spotty and generally only slightly above threshold. The mapping and geophysics confirmed the presence of a number of major shears, however no significant mineralization is apparently associated with them.

Some potential still exists for this area but due to a lack of any good targets for immediate follow-up no further exploration is planned at this time.

LOCATION and ACCESS:

The claims are situated north of the Nahatlatch River and about 6 km west of the Fraser River. Lytton is about 17 km north and Boston Bar is about 25 km south of the claims. The claims are on NTS mapsheet 92I/4 (Lytton) at latitude 50°05'N and longitude 121°38'W. The border between the New Westminster and Kamloops Mining Divisions runs along the ridge crest near the western margin of the claims.

The northern part of the claims is accessible only by helicopter, however, the southern part is linked by anewly constructed 5½ km access road to a B.C. Forest Services road to the Nahatlatch Fire Lookout. This in turn connects up with a major haulage road to the town of North Bend some 30 km by road to the south. An aerial ferry is taken from North Bend to the Trans-Canada Highway at Boston Bar, 1 km to the south. Four-wheel drive vehicles are required from the junction of the lookout road up to the property.

Alternatively, the property may be reached from Lytton via a ferry 2 km north of town to the west bank of the Fraser River and then along a rough gravel road approximately 40 km to the junction of the lookout road.

The C.P. Rail main line follows the west bank of the Fraser River with a loading facility at Keefers about 5½ km north of the lookout road junction.

A major B.C. Hydro powerline follows the road down from Lytton and passes within 3½ km of the claims.

MINERAL CLAIMS

The Summit Gold claims are grouped into two contiguous blocks as shown below. The LCP's of both groups lie within the Kamloops Mining Division.

Name		Units	Record Number	Record Date	Owner
Group I					
Summit Gold	1	20	4845	Oct. 17/84	Hudson Bay Expl. & Devel.
	2	20	4846	"	"
	3	16	4847	"	"
	4	20	4848	"	"
	5	20	4849	"	"
Group II					
Summit Gold	6	20	4850	"	"

HISTORY

During the late 1890's the Keefer's area to the east of the Summit Gold groups received a flurry of activity for placer gold near the Fraser River. Presumably some of this interest sparked similar investigations of the Nahatlatch River and Log Creek areas to the south and west of the claims. The Minister of Mines Annual Report for 1932 mentions:

"Some prospectors brought in some very coarse gold from Log Creek..."

This would suggest a lode source nearby and a number of showings were located in the 1930's attempting to follow up this placer find (GSC Mem. 262, p. 104). Since that time numerous prospectors appear to have checked out the area, however, no record is available of any significant deposits being found.

In 1935, H.C. Horwood (1936) of the G.S.C. examined the area adjacent to the Nahatlatch River and in 1945-47 S. Duffel and K.C. McTaggart carried out reconnaissance mapping of this area as part of their report on the Ashcroft map-area (G.S.C. Mem. 262, 1952).

Recently (1980-81), the G.S.C. conducted geochemical stream sediment reconnaissance programs in southwestern B.C. which included this area. It was geochem results released as a result of these programs which sparked renewed interest in the area.

In the summer of 1983, Caara Ventures Inc. of Vancouver staked a number of claims in the area and subsequently optioned them to Hudson Bay Exploration and Development in the spring of 1984.

GEOLOGY:

The Summit Gold claim groups cover an area of probable Mesozoic (Jurassic?) meta-sediments and possibly greenstones believed to be correlative with the Ladner Group rocks near Hope (Duffell and McTaggart, 1954). A major northwest trending serpentine belt crosses the southwestern part of the claims and is likely correlative with a similar belt which runs along the east side of the Fraser River referred to as the Coquihalla Serpentine Belt. These rocks are intruded by Cretaceous granitic plugs which occur on the northeastern part of the claims and to the southeast just off the claims.

Geological mapping of the area was done at a scale of 1:10,000 and as detailed as this scale allowed. A lack of extensive outcrops over most of the area prevented accurate location of contacts, however, the interpretation given on the accompanying map (in pocket) is believed to adequately depict the overall distribution of units. In many instances the topography assisted in delineating faults and the serpentinite unit in the absence of outcrop. In the process of constructing the access road to the claims, a fairly good cross-section of the geology was exposed in roadcuts. A total of about 9 square kilometres was geologically surveyed on the Summit Gold claims with a combination of grid lines and topographic maps providing control.

On the claims, the most common rocks are light green chloritic schist to phyllite and lesser grey laminated argillite to argillaceous schist. In handspecimen, the rocks have a similar appearance consisting of 2 - 5 mm beds of chloritic material or argillite separated by similar thicknesses of quartz (presumably a meta-siltstone or sandstone). It is possible that the chlorite schists are greenstones, however, the similar character and interwoven distribution with the argillites suggests they may have a common origin with later metamorphic overprinting. The rocks share a strong northwest-southeast trending regional foliation which commonly parallels and frequently obscures the bedding. In better exposures, the bedding is observed to be tightly folded (near isoclinal) and steeply plunging to the south with the axial planes of the folds paralleling the regional foliation. Attempts to follow single beds beyond a few metres are impossible due to a lack of marker beds and the complex structure (even in handspecimen the bedding is minutely plicated).

The serpentinite unit consists of dark green serpentine, calcareous (sideritic) rock and fine disseminations and clots of magnetite. The sequence has a brecciated appearance locally and in rare instances displays prominent "boudinage" structures which may be of tectonic origin or possibly relict pillow structures. These structures vary from several centimetres up to a metre or more in diameter. If these are in fact pillows then the serpentinite may have been derived from an olivine or spilitic basalt. Several major shear structures subparallel this unit and it has been suggested that it may be following a major fault system -- possibly a splay off the Hozameen Fault to the south (Cardinal, pers. comm.; Christie, 1983; Duffell and McTaggart, 1952). Some evidence to support this was uncovered during construction of the access road in this area. Near the end of the road a major shear zone consisting of talc-sericite "schist" with brecia fragments of serpentinite was exposed along the eastern margin of the serpentinite. If, in fact, the eastern margin of the serpentinite is a fault then it has been displaced by later transverse

faulting. One of these transverse faults has apparently cut off the serpentinite unit entirely to the southeast just short of the sediment-intrusive contact. Heavy overburden cover prevents detailed mapping in this area, however, elsewhere the serpentinite forms prominent outcrop ridges which are cut off abruptly at this point.

Two intrusive plugs occur in the vicinity of the claims and where observed consist of medium to coarse grained quartz monzonite. The unit is relatively homogeneous with only minor zoning to a quartz diorite observed locally. No significant contact effects are evident at the sediment-intrusive boundary on the megascopic scale, however, it is possible that microscopic examination may prove otherwise. It is possible that the sediments may be only a thin "skin" over a large stock resulting in the metamorphism being so widespread as to appear to be of a regional nature. A prominent jointing in the intrusive parallels the regional foliation in the sediments suggesting that some tectonism may have continued after emplacement of the intrusive.

A number of dykes were observed locally, however, most were too narrow to show on the 1:10,000 scale map with the exception of some sizeable quartz monzonite dykes. These major dykes tend to subparallel the regional foliation while the narrower ones which consist of basalt, amphibolite or quartz monzonite are generally transverse to the foliation. In a number of cases biotite schist is developed for several metres adjacent to these dykes.

As mentioned, faulting and shearing is common and in some cases calc-silicate fels carrying sporadic weak gold values is developed adjacent to them.

Thus far no significant gold mineralization has been noted on the claims although the geochem sampling indicates widespread arsenic anomalies.

PROSPECTING:

A total of two days were spent prospecting a one kilometre square area on the northern part of the Summit Gold 1-5 group. A Bell-47 G3B1 helicopter was used to transport two geologists into the area to investigate some old showings referred to on GSC Map 1010A (Ashcroft) as the Serpentine and Summit groups. These groups are described in GSC Memoir 262, p. 104 as follows:

> "A lens of schist .... contains a 60-foot shear zone, with white quartz veins up to 5 feet wide. In places the veins contain a few specks of pyrite, which is said to carry small amounts of gold. The intervening bands of schist carry a much larger amount of pyrite, and all exposures are rusty and weathered."

An area containing a shear zone similar to that described was located but no significant mineralization was observed. The shear zone consisted of a stockwork of narrow quartz veins (up to 5 cm) with an occassional vein up to 3 metres wide in sheared chlorite schist. The veins had an overall strike of 170° and dipped steeply (85°) to the west. All veins were milky-white and apparently barren (bull quartz). One major vein which varied from 0.5 to 3 metres in width diverged (150/90°) from the trend of the stockwork veins and adjacent to it locally a calc-silicate fels was developed in brecciated chlorite schist. Considerable (up to 25%) mariposite occurred in the calc-silicate rock, however no sulphides were observed.

GEOCHEMISTRY:

Due to the large area being covered in the 1984 program, a relatively widespaced grid was established for sampling purposes. Soil samples were collected every 50 metres along grid lines spaced 300 metres apart. Where anomalous gold values were obtained further detailing was done at 50 metre intervals on lines spaced 100 metres apart.

Wherever possible soils were collected from the "B" horizon, however, where no "B" horizon was developed it was necessary to sample the "C" horizon. Average sample depth was approximately 25 cm (10"). All samples were placed in appropriately identified Kraft soil bags with the depth of sample, soil horizon, colour and fragment types recorded for possible future use. Samples were air-dried and then shipped to Acme Analytical Labs in Vancouver, B.C. for geochemical analysis for gold and arsenic. At the lab, all samples are dried at 140°F then sieved to -80 mesh. For gold, a 10 gm sample is ignited overnight at 110°F and then digested with 20 mls of Agua Regia and diluted to 100 mls with demineralized water. An 80 ml aliquot is extracted with 5 ml of MIBK and then analysed by atomic absorption with a background correction. For arsenic, a 0.50 gm sample is digested with 3 mls of Aqua Regia then analysed by inductive coupled plasma (ICP) direct reading immission spectrograph. All gold values are given in parts per billion (p.p.b.) with a 5 p.p.b. detection limit while arsenic values are given in parts per million (p.p.m.) with a 3 p.p.m. detection limit.

Threshold values for gold and arsenic were obtained by plotting cummulative frequency curves on log-probability paper and taking the value at the 87.5 percentile. This value is considered as weakly anomalous and although it is plotted on the geochem maps it is not generally considered significant. Two other values were calculated using the 95th and 98 percentiles and referred to as "Anomaly I" and "Anomaly II" respectively. These values are considered to be so anomalous there is little doubt they have been produced by in situ mineralization and not just background. The frequency plots were based on 884 samples and are considered accurate. The values obtained for the mean, threshold, anomaly I and anomaly II are given below with the value used for contouring the results given in brackets:

	Mean	Threshold	Anomaly I	Anomaly II
Gold	5 p.p.b.*	27 p.p.b. (25)	89 p.p.b. (100)	208 p.p.b. (200)
Arsenic	17 p.p.m.	68 p.p.m. (70)	130 p.p.m. (130)	180 p.p.m. (180)

* Detection limit

Arsenic was run primarily to help delineate a gold bearing horizon or shear in the absence of strong gold values. As it turned out, the gold geochem worked much better than anticipated and it was concluded that an arsenic anomaly without a coincident gold anomaly probably was not significant. Despite widespread arsenic anomalies over much of the area, only a few weak and disperse gold anomalies were obtained. These anomalies, although possibly due to in situ mineralization, are far too sporadic to be associated with a near surface economic occurrence. The arsenic anomolies may be pointing to a deeper gold-bearing system but at this time it is not considered economically feasible to pursue it further.

A total of 343 samples were taken on the Summit Gold claims of which 171 were on the Summit Gold 1-5 Group and 172 on the Summit Gold 6 Group. A total of 12 man days were spent collecting the samples -- evenly split between the two groups.

GEOPHYSICS (EM-16)

A total of 16.85 kilometres of electromagnetic (EM-16)survey was run over the same grid established for soil sampling with readings taken at the same stations, i.e., every 50 metres. 8.2 kilometres were carried out on the Summit Gold 1-5 group and 8.65 kilometres on the Summit Gold 6 group. A Geonics VLF EM-16 instrument was used for the survey with the VLF-transmitting station at Seattle, Washington selected to give the best signal strength and field orientation. The specifications and survey procedures are well documented in the literature, however, a brief description is

given below:

A. Specifications:

(i) Utilizes primary fields generated by VLF marine communication stations and measures the vertical field components in terms of horizontal field present.
(ii) Frequency range 15-25 kHz.
(iii) Range of measurement - inphase ± 150%
- quadrature ± 40%
(iv) Method of reading - null detection from a monotonic speaker, inphase and quadrature from mechanical dials.
(v) Accuracy - ± 1% resolution

B. Survey Procedure:

(i) Select closest VLF station perpendicular to traverse lines.
(ii) Orient the reference coil along the magnetic lines.
(iii) Move the instrument back and forth in the vertical plane for the minimum sound.
(iv) Adjust the quadrature dial to further minimize the sound.
(v) Read the inclinometer (in phase) and quadrature values and record.
(vi) Fraser filter the in phase results to facilitate a contour plot of values.

The interpretation is complicated by the abundance of anomalies but an attempt has been made to use the geological mapping where possible to give general trends, etc. It appears that anomalies are following two distinct trends, i.e., northwest-southeast and northeast-southwest. The northwest trend is likely arising from shears or graphitic beds parallel to the regional schistosity. These are apparently offset by later faults along the northeast trend. Due to the wide line spacing it is difficult to recognize folded sequences; so many of the conductors along the northwest

trend may be overly simplified. Due to the low gold values in this area, however, further detailing is not recommended at this time.

LINECUTTING and GRID PREPARATION

Linecutting of the baselines (0, 10W, 20W) and tielines (90N, 120N) was done by Martinson Linecutting and Staking Ltd. of Powell River, B.C. Baselines were compassed in at 321° (true) and cleared of all trees and underbrush for a width of about one metre. Tielines were compassed in at 051° (true) and cleared in the same fashion as baselines. Lines were tight chained separately by company personnel and tied into topographic features where possible for added control. It appears that magnetite in the serpentinite unit may have adversely affected the compassing in some areas, however, the topographic tie-ins have adequately adjusted for this. Section lines were compassed in at 051° (true) and marked by flourescent orange flagging. Stations were located every 50 metres by hip-chain (topofil) and appropriately identified by coordinates on flagging.

All section lines were 300 metres apart except for detailing around geochem anomalies in which case they were 100 metres apart. All lines were tied into the baselines which were one kilometre apart and the baselines were tied into each other by tielines every 3 kilometres. None of the lines were slope corrected in the field, however, the grid has been tied into topographic tie points on the 1:10,000 scale basemap. For this reason, the distances between stations on the topographic basemaps are slightly less then the idealized coordinates would be.

ACCESS ROAD CONSTRUCTION

A 5.6 kilometre access road was constructed from the B.C. Forest Service Lookout into the Summit Gold claim area. The first 1.2 kilometres of this road linked up with drill roads into the adjacent NATCH claims and was considered as access to these claims. The remaining 4.4 kilometres were

built in lieu of helicopter support into the Summit Gold claims and have therefore been applied for accessment on these claims. The road was constructed using a Terex 30-82 B bulldozer (between a D-7 and D-8) at a rate of $106.75 per hour including fuel and operator. A total of 81.34 hours of bulldozer time was required to complete this section. As mentioned, the road was 4.4 kilometres long and approximately 3.5 metres wide. An additional 15 man days of labour was required to build bridges and rock fills over stream crossings, construct ditches and clear roots and leaning timber from the road right-of-way. The location of the road is clearly shown on the basemaps for geology, geochem and geophysics.

K. Taylor

85/01/08
(WP:rep#2.sum)

P

SUMMIT GOLD 1-5 GROUP

STATEMENT OF COSTS - 1984

ROADWORK:

JULY 9-13, 16-18

- Using Terex 30-82B bulldozer (8 days) (81.34 hr @ $106.75/hr.	8,683.27
- Supervision (3 man days @ $150/day)	450.00

JULY 16-21 (Bridging, ditching and repairs)

- (5 days x 2 men) (10 man days @ $80/day)	800.00

RECLAMATION:

JULY 9, 11, 12, 19, 26 (Falling right-of-way timber)

- (5 days x 1 man) (5 man days @ $80/days)	400.00

PROSPECTING:

AUG. 26

- (1 day x 2 men) (1 man @ $80/day + 1 man @ $150/day)	230.00
- helicopter (Bell 47) (1.2 hr @ $245/hr + Fuel ($69.38)	363.38

SEPT. 4

- (1 day x 2 men) (2 man days @ $150/day)	300.00
- helicopter (Bell 47) (1.8 hr @ $265/hr + Fuel ($99.00)	576.00

GEOLOGICAL MAPPING:

AUG. 22, 23, 25

- 3 days x 4 men (12 man days @ $80/day)	960.00

JULY 27, 28 and AUG. 6

- 3 days x 1 man (3 man days @ $150/day)	450.00

GEOPHYSICS (EM-16):

AUG. 6-8, 10-14

- 8 days x 1 man (8 man days @ $80/day)	640.00
- Instrument Rental (8 days @ $57/day)	456.00

Summit Gold 1-5 Group (cont'd)

GEOCHEMISTRY:

JULY 25, 27, 29

- 3 days x 2 men (6 man days @ $80/day)	480.00
- 171 Samples @ $7.60/sample	1,299.00

LINECUTTING:

- 1.1 km of Baseline @ $190/km	209.00
- 1.2 km of Tieline @ $190/km	228.00

TRANSPORT: Truck Rental

- (24 days @ $35/day + $20/day (Fuel)	1,320.00

ROOM AND BOARD:

- (51 man days @ $25/man/day)	1,275.00

REPORT PREPARATION, DRAFTING, PLOTTING/COMPILATION:

- (7 days x 1 man) (7 man days @ $150/day)	1,050.00
	20,169.65 K.T.
	~~$20,170.25~~

SUMMIT GOLD 6 GROUP

STATEMENT OF COSTS - 1984

GEOLOGICAL MAPPING:	
AUG. 18, 19, 10	
- 2½ days for 2 men (5 man days @ $80/day)	400.00
JULY 25, 29	
- 2 days x 1 man (2 man days @ $150/day)	300.00
GEOPHYSICS (EM-16)	
JULY 22, 23, 27-29, 31AUG. 2, 4	
- 8 days x 1 man (8 man days @ $80/day)	640.00
- Instrument Rental (8 days @ $57/day)	456.00
GEOCHEMISTRY:	
JULY 23, 24	
- 2 days x 3 men (6 man days @ $80/day)	480.00
- 172 Samples @ $7.60/sample	1,307.20
LINCUTTING:	
- 3.2 km of Baseline @ $190/km	608.00
- 0.9 km of Tieline @ $190/km	171.00
TRANSPORT:	
- 11 days Truck rental @ $35/day + $20/day Fuel	605.00
ROOM AND BOARD:	
- 21 man days @ $25/day	525.00
REPORT PREPARATION, DRAFTING, PLOTTING/COMPILATION:	
- 3 days @ $150/day	450.00
	$5,942.20

CERTIFICATE OF QUALIFICATIONS

I, Kenneth J. Taylor of Vancouver, British Columbia, do hereby certify that,

1. I am a graduate of the University of British Columbia; B.Sc. Geology, 1973.

2. I have practiced my profession as a mining exploration geologist continuously since 1973.

3. This report is compiled from the notes of personnel under my supervision and based on personal knowledge of the area gained while mapping the geology of the claims and surrounding area during 1984.

K.J. Taylor, B.Sc.
Jan. 9, 1985

BIBLIOGRAPHY

Cardinal, D.G. 1983 - "Geological Evaluation and Progress Report on the HANNA GOLD and HANNA GOLD Nos. 1, 3 & 4 Mineral Claims" In-house Report for CAARA VENTURES INC.

Christie, J.S. 1983 - "Geological and Geochemical Report (on) Natch Mineral Claims" Report for assessment, unpublished.

Duffel, S. and McTaggert, K.C 1952 - "Ashcroft Map-area, British Columbia" G.S.C. Mem. 262

Horwood, H.C. 1936 - "Preliminary Report, Nahatlatch Region" G.S.C. Paper 36-7.

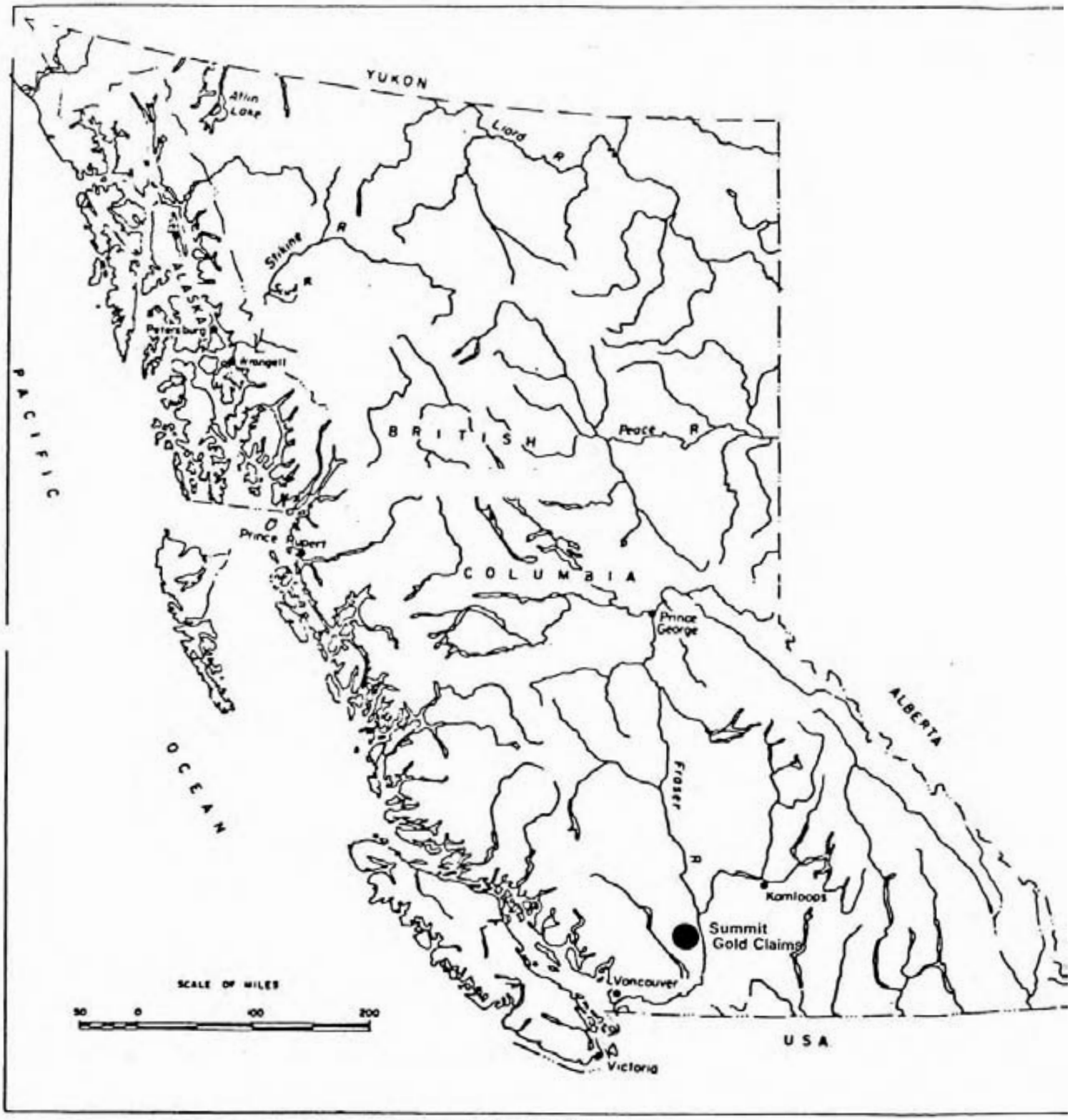
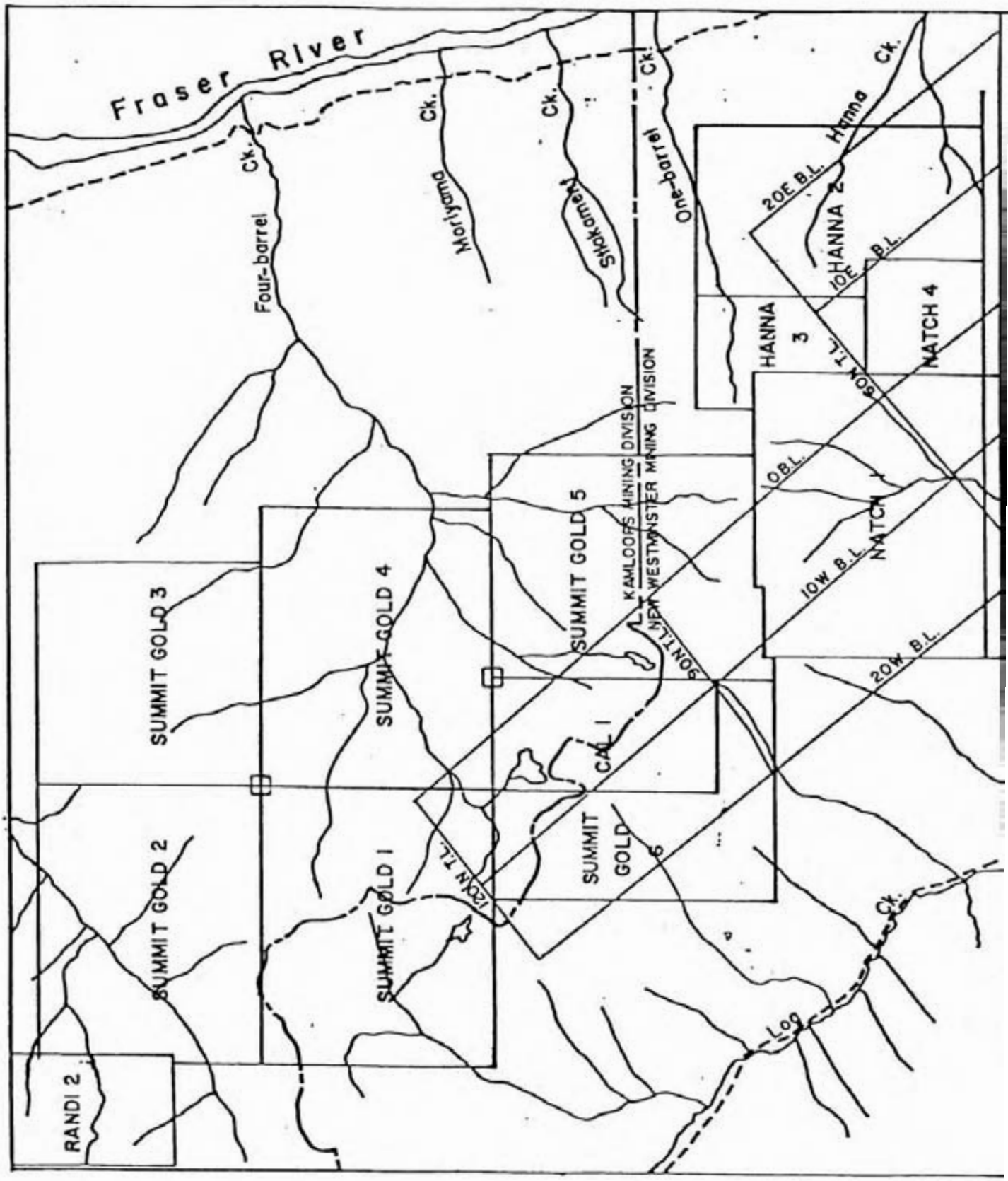


Fig. 1. Location of the SUMMIT GOLD CLAIMS

Fig. 2 SUMMIT GOLD CLAIMS



APPENDIX I

GEOCHEMICAL ANALYSES

ACME ANALYTICAL LABORATORIES LTD.
852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: AUG 6 1984

DATE REPORT MAILED: Aug 10/84...

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-3 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOIL AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: D. Toye. DEAN TOYE. CERTIFIED B.C. ASSAYER

HUDSON BAY PROJECT # 7304 FILE # 84-1955 PAGE 1

SAMPLE#	AS PPM	AU* PPB
120N 20+70W	48	5
120N 20+25W	71	5
120N 20+00W	46	10
120N 19+50W	8	5
120N 19+00W	33	5
120N 18+50W	39	5
120N 18+00W	48	5
120N 17+50W	36	5
120N 17+00W	64	5
120N 16+50W	113	5
120N 16+00W	90	5
120N 15+50W	26	5
120N 15+00W	29	5
120N 14+50W	141	5
120N 14+00W	417	5
120N 13+50W	62	5
120N 13+00W	116	5
120N 12+50W	94	5
120N 12+00W	94	5
120N 11+50W	217	5
120N 11+00W	324	5
120N 10+50W	297	5
120N 10+00W	248	5
120N 9+50W	346	5
120N 9+00W	169	5
120N 8+50W	209	5
120N 8+00W	114	5
120N 7+50W	455	5
120N 7+00W	270	5
120N 6+50W	297	5
120N 6+00W	244	5
120N 5+50W	192	5
120N 5+00W	465	5
120N 4+50W	632	5
120N 4+00W	407	5
120N 3+50W	282	5
120N 3+00W	310	5
STD S-1/AU 0.5	118	505

SAMPLE#	AS PPM	AU* PPB
120N 2+50W	827	10
120N 2+00W	669	25
120N 1+50W	676	30
120N 1+00W	689	30
120N 0+50W	320	5
120N 0+00W	281	5
117N 20+00W	214	5
117N 19+50W	108	5
117N 19+00W	37	5
117N 18+50W	59	5
117N 18+00W	26	5
117N 17+50W	21	5
117N 17+00W	28	5
117N 16+50W	88	5
117N 16+00W	83	5
117N 15+50W	132	5
117N 15+00W	78	5
117N 14+50W	69	5
117N 14+00W	462	5
117N 13+00W	131	5
117N 12+50W	103	5
117N 12+00W	73	5
117N 11+50W	31	5
117N 11+00W	66	5
117N 10+50W	101	5
117N 10+00W	114	5
117N 9+50W	181	5
117N 9+00W	197	5
117N 8+50W	524	5
117N 8+00W	21	5
117N 7+50W	313	5
117N 7+00W	180	5
117N 6+50W	236	5
117N 6+00W	215	5
117N 5+50W	141	5
117N 5+00W	146	5
117N 4+50W	411	5
STD S-1/AU 0.5	120	510

SAMPLE#	AS PPM	AU* PPB
117N 4+00W	1258	5
117N 3+50W	267	5
117N 3+00W	1305	5
117N 2+50W	128	15
117N 2+00W	734	5
117N 1+50W	200	5
117N 1+00W	636	10
117N 0+50W	194	5
117N 0+00W	66	5
114N 20+00W	137	5
114N 19+50W	56	5
114N 19+00W	24	5
114N 18+50W	139	5
114N 18+00W	59	5
114N 17+50W	66	5
114N 17+00W	193	35
114N 16+50W	274	5
114N 16+00W	179	5
114N 15+50W	288	5
114N 15+00W	177	5
114N 14+50W	61	5
114N 14+00W	121	45
114N 13+50W	75	5
114N 13+00W	54	5
114N 12+50W	227	5
114N 12+00W	93	5
114N 11+50W	70	5
114N 11+00W	78	5
114N 10+50W	134	5
114N 10+00W	54	5
114N 9+50W	77	5
114N 9+00W	167	5
114N 8+50W	103	5
114N 8+00W	211	5
114N 7+50W	122	5
114N 7+00W	157	5
114N 6+50W	181	5
STD S-1/AU 0.5	118	485

SAMPLE#	AS PPM	AU* PPB
114N 6+00W	142	5
114N 5+50W	313	5
114N 4+50W	386	5
114N 4+00W	338	5
114N 3+50W	199	5
114N 3+00W	162	5
114N 2+50W	243	15
114N 2+00W	159	5
114N 1+50W	560	5
114N 1+00W	779	10
114N 0+50W	290	5

ACME ANALYTICAL LABORATORIES LTD.
852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: AUG 1 1984

DATE REPORT MAILED: Aug 4/84

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-3 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOIL AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: Pit-Rock DEAN TOYE. CERTIFIED B.C. ASSAYER

HUDSON BAY PROJECT # 7304 FILE # 84-1883 PAGE 1

SAMPLE#	AS PPM	AU* PPB
111N 20+00W	52	5
111N 19+50W	91	5
111N 19+00W	76	5
111N 18+50W	94	5
111N 18+00W	240	5
111N 17+50W	58	5
111N 17+00W	173	15
111N 16+50W	93	5
111N 16+00W	29	5
111N 15+50W	126	5
111N 15+00W	98	5
111N 14+50W	67	5
111N 14+00W	53	5
111N 13+50W	123	5
111N 13+00W	124	5
111N 12+50W	50	5
111N 12+00W	83	5
111N 11+50W	118	5
111N 11+00W	740	5
111N 10+50W	104	5
111N 10+00W	53	5
111N 9+50W	49	5
111N 9+00W	101	5
111N 8+50W	84	5
111N 8+00W	64	5
111N 7+50W	29	5
111N 7+00W	111	5
111N 6+50W	32	5
111N 6+00W	61	5
111N 5+50W	205	5
111N 5+00W	258	5
111N 4+50W	18	5
111N 4+00W	58	5
111N 3+50W	1032	5
111N 3+00W	102	5
111N 2+50W	260	5
111N 2+00W	41	5
STD S-1/AU 0.5	119	500

SAMPLE#	AS PPM	AU* PPB
111N 1+50W	222	5
111N 1+00W	556	5
111N 0+50W	54	5
111N 0+00W	49	5
108N 20+00W	124	5
108N 19+50W	95	5
108N 19+00W	270	15
108N 18+50W	126	5
108N 18+00W	105	5
108N 17+50W	151	5
108N 17+00W	63	5
108N 16+50W	70	5
108N 16+00W	96	5
108N 15+50W	56	5
108N 15+00W	61	5
108N 14+50W	61	5
108N 14+00W	27	5
108N 13+50W	116	5
108N 13+00W	24	5
108N 12+50W	541	5
108N 12+00W	162	5
108N 11+50W	77	5
108N 11+00W	202	5
108N 10+50W	29	5
108N 10+00W	154	5
108N 9+50W	27	5
108N 9+00W	27	5
108N 8+50W	17	5
108N 8+00W	125	5
108N 7+50W	268	5
108N 7+00W	253	5
108N 6+50W	294	5
108N 6+00W	522	5
108N 5+50W	128	5
108N 5+15W	149	5
108N 4+50W	186	5
108N 4+00W	75	5
STD S-1/AU-0.5	130	520

SAMPLE#	AS PPM	AU* PPB
108N 3+50W	16	80
108N 3+00W	3	5
108N 2+50W	106	5
108N 2+00W	559	5
108N 1+50W	54	5
108N 1+00W	353	5
108N 0+50W	86	5
108N 0+00W	67	5
105N 20+00W	85	5
105N 19+50W	33	15
105N 19+00W	23	5
105N 18+50W	17	5
105N 18+00W	21	5
105N 17+50W	24	5
105N 17+00W	13	5
105N 16+50W	12	5
105N 16+00W	22	5
105N 15+50W	129	5
105N 15+00W	50	5
105N 14+50W	30	10
105N 14+00W	62	5
105N 13+50W	88	5
105N 13+00W	162	5
105N 12+50W	86	5
105N 12+00W	176	5
105N 11+50W	46	5
105N 11+00W	46	5
105N 10+50W	76	5
105N 10+00W	57	5
105N 9+50W	189	5
105N 9+00W	64	5
105N 8+50W	109	5
105N 8+00W	535	5
105N 7+50W	111	5
STD S-1/AU 0.5	114	520

SAMPLE#	AS PPM	AU* PPB
105N 7+00W	111	5
105N 6+50W	119	5
105N 6+00W	105	5
105N 5+50W	120	5
105N 5+00W	232	5
105N 4+50W	443	5
105N 4+00W	75	5
105N 3+50W	237	5
105N 3+00W	370	5
105N 2+50W	95	5
105N 2+00W	62	5
105N 1+50W	75	10
105N 1+00W	81	5
105N 0+50W	40	5
105N 0+00W	62	5
102N 20+00W	50	5
102N 19+50W	24	5
102N 19+00W	36	5
102N 18+00W	90	5
102N 17+50W	49	5
102N 17+00W	25	5
102N 16+50W	64	5
102N 16+00W	151	5
102N 15+50W	75	5
102N 15+00W	98	5
102N 14+50W	25	5
102N 14+00W	6	5
102N 13+50W	6	5
102N 13+00W	133	5
102N 12+50W	10	5
102N 12+00W	196	5
102N 11+50W	187	5
102N 11+00W	189	5
102N 10+50W	141	5

ACME ANALYTICAL LABORATORIES LTD.
852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: AUG 10 1984

DATE REPORT MAILED: Aug 14/84.

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-3 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOIL AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: Dean Toye. DEAN TOYE. CERTIFIED B.C. ASSAYER

HUDSON BAY PROJECT # 7304 FILE # 84-2061

SAMPLE#	AS PPM	AU* PPB
102N 10+00W	23	5
102N 9+50W	82	5
102N 9+00W	97	5
102N 8+50W	48	5
102N 8+00W	96	5
102N 7+50W	19	5
102N 7+00W	15	5
102N 6+50W	18	5
102N 6+00W	63	5
102N 5+50W	22	5
102N 5+00W	125	5
102N 4+50W	192	5
102N 4+00W	105	5
102N 3+50W	76	5
102N 3+00W	108	5
102N 2+50W	139	5
102N 2+00W	133	5
102N 1+50W	17	5
102N 1+00W	63	5
102N 0+50W	17	5
102N 0+00W	141	5

99N 19+50W	49	5
99N 19+00W	156	5
99N 18+50W	55	5
99N 18+00W	86	20
99N 17+50W	102	5
99N 17+00W	72	5
99N 16+50W	102	5
99N 16+00W	85	5
99N 15+50W	63	5
99N 15+00W	41	5
99N 14+50W	72	5
99N 14+00W	68	5
99N 13+50W	83	5
99N 13+00W	74	5
99N 12+50W	86	5
99N 12+00W	137	5
99N 11+50W	69	5
99N 11+00W	84	5
99N 10+50W	95	5
99N 10+00W	160	5
99N 9+50W	60	5
99N 9+00W	115	5
99N 8+50W	389	10
99N 8+00W	74	5
99N 7+50W	49	95
99N 7+00W	59	5
99N 6+50W	98	5
99N 6+00W	37	5
STD S-1/AU-0.5	134	530
99N 5+50W	145	5
99N 5+00W	77	5
99N 4+50W	67	5
99N 4+00W	145	5
99N 3+50W	78	5
99N 3+00W	72	5
99N 2+50W	20	5
99N 2+00W	58	5
99N 1+50W	43	5
99N 1+00W	130	5
99N 0+50W	23	5
99N 0+00W	372	5

96N 19+50W	14	5
96N 19+00W	32	5
STD S-1/AU 0.5	111	510
96N 18+50W	12	5
96N 18+00W	51	5
96N 17+50W	39	5
96N 17+00W	28	5
96N 16+50W	27	5
96N 16+00W	30	5
96N 15+50W	61	5
96N 15+00W	30	5
96N 14+50W	18	5
96N 14+00W	8	5
96N 13+50W	18	5
96N 13+00W	35	10
96N 12+50W	8	5
96N 12+00W	23	5
96N 11+50W	56	5
96N 11+00W	77	5
96N 10+50W	58	5
96N 10+00WA	38	5
96N 10+00W	10	5
96N 9+50W	75	5
96N 9+00W	69	5
96N 8+50W	38	5
96N 8+00W	59	5
96N 7+50W	65	5
96N 7+00W	53	5
96N 6+50W	14	5
96N 6+00W	40	5
96N 5+50W	193	5
96N 5+00W	76	10
96N 4+50W	4	5
96N 4+00W	17	5
96N 3+50W	18	5
96N 3+00W	47	5
96N 2+50W	50	5
96N 2+00W	13	5
96N 1+50W	84	5
96N 1+00W	214	5
STD S-1/AU-0.5	124	530
96N 0+50W	25	5
96N 0+00W	710	15

93N 19+50W	17	5
93N 19+00W	50	5
93N 18+50W	26	35
93N 18+00W	13	5
93N 17+50W	20	5
93N 17+00W	27	5
93N 16+50W	27	5
93N 16+00W	53	5
93N 15+50W	21	5
93N 15+00W	17	5
93N 14+50W	24	5
93N 13+50W	21	5
93N 13+00W	104	5
93N 12+50W	46	5
93N 12+00W	11	5
93N 11+50W	58	10
93N 11+00W	109	5
93N 10+50W	36	5
93N 10+00W	58	5
STD S-1/AU-0.5	120	520

93N 10+00W	28	5
93N 9+50W	30	5
93N 9+00W	29	5
93N 8+50W	40	5
93N 8+00W	26	5
93N 7+50W	7	5
93N 7+00W	52	5
93N 6+50W	13	5
93N 6+00W	79	5
93N 5+50W	94	5
93N 5+00W	168	5
93N 4+50W	118	5
93N 4+00W	86	5
93N 3+50W	193	5
93N 2+85W	2	55
93N 2+50W	213	5
93N 2+00W	52	5
93N 1+50W	28	5
93N 1+00W	607	5
93N 0+50W	751	5
93N 0+00W	251	5

90N 20+00W	27	5
90N 19+50W	27	5
90N 19+00W	26	5
90N 18+50W	28	5
90N 18+00W	29	5
90N 17+50W	17	5
90N 17+10W	30	5
90N 16+50W	36	5
90N 16+00W	65	5
90N 15+50W	92	5
90N 15+10W	22	5
90N 14+50W	88	5
90N 14+00W	108	5
90N 13+50W	47	5
90N 13+00W	57	5
90N 12+50W	47	5
90N 12+00W	12	5
90N 11+50W	18	5
90N 11+00W	24	5
90N 10+50W	64	5
90N 10+00W	74	5
90N 9+50W	2	5
90N 9+00W	37	5
90N 8+50W	129	5
90N 8+00W	77	5
90N 7+50W	11	5
90N 7+00W	118	5
90N 6+50W	10	5
90N 6+00W	49	85
90N 5+50W	51	5
90N 5+00W	33	5
90N 4+50W	147	5
90N 4+00W	152	15
90N 3+50W	116	5
90N 3+00W	24	5
STD S-1/AU-0.5	120	520

SAMPLE#	AS PPM	AU* PPB
90N 2+50W	20	5
90N 2+00W	74	5
90N 1+50W	36	5
90N 1+00W	281	5
90N 0+50W	99	5

SAMPLE#	AS PPM	AU* PPB
87N 20+00W	152	5
87N 19+50W	108	5
87N 19+00W	85	5
87N 18+50W	125	5
87N 18+00W	208	5
87N 17+50W	196	5
87N 17+00W	249	5
87N 16+50W	129	5
87N 16+00W	267	5
87N 15+50W	519	5
87N 15+00W	45	5
87N 14+50W	58	5
87N 14+00W	408	35
87N 13+50W	358	20
87N 13+00W	260	15
87N 12+50W	57	5
87N 12+00W	83	5
87N 11+50W	208	5
87N 11+00W	150	5
87N 10+50W	117	5
87N 10+00W	31	5
87N 10+00WA	49	5
STD S-1/AU-0.5	116	530

SAMPLE#	AS PPM	AU* PPB
87N 9+50W	14	5
87N 9+00W	4	5
87N 8+50W	17	5
87N 8+00W	28	20
87N 7+50W	36	5
87N 7+00W	43	5
87N 6+50W	34	5
87N 6+00W	8	5
87N 5+50W	151	5
87N 5+00W	45	5
87N 4+50W	28	5
87N 4+00W	18	5
87N 3+50W	154	5
87N 3+00W	239	5
87N 2+50W	245	5
87N 2+00W	53	5
87N 1+50W	45	5
87N 1+00W	49	5
87N 0+50W	38	5
87N 0+00W	152	5
84N 20+00W	61	5
84N 19+50W	65	5
84N 19+00W	99	5
84N 18+50W	80	5
84N 18+00W	31	5
84N 17+50W	24	5
84N 17+00W	61	5
84N 16+50W	22	5
84N 16+00W	30	5
84N 15+50W	44	5
84N 15+00W	14	5
84N 14+50W	25	5
84N 14+00W	27	5
84N 13+50W	16	5
84N 13+00W	33	5
84N 12+50W	11	5
84N 12+00W	38	5
STD S-1/AU-0.5	127	520

SAMPLE#	AS PPM	AU* PPB
84N 11+50W	19	5
84N 11+00W	9	5
84N 10+50W	7	5
84N 10+00W	26	5
84N 10+00WA	16	5
84N 9+50W	22	5
84N 9+00W	65	5
84N 8+50W	40	5
84N 8+00W	40	5
84N 7+50W	21	5
84N 7+00W	11	5
84N 6+50W	21	5
84N 6+00W	10	5
84N 5+50W	15	5
84N 5+00W	43	15
84N 4+50W	13	5
84N 4+00W	183	5
84N 3+50W	105	5
84N 3+00W	40	5
84N 2+50W	33	5
84N 2+00W	44	5
84N 1+50W	47	5
84N 1+00W	47	5
84N 0+50W	133	5
84N 0+00W	192	5
81N 20+00W	94	5
81N 19+50W	20	15
81N 19+00W	20	5
81N 18+50W	22	5
81N 18+00W	30	5
81N 17+50W	15	5
81N 17+00W	24	5
81N 16+50W	31	5
81N 16+00W	27	5
81N 15+50W	51	5
81N 15+00W	5	5
81N 14+50W	260	5
STD S-1/AU-0.5	120	540

SAMPLE#	AS PPM	AU* PPB
B1N 14+00W	15	5
B1N 13+50W	68	5
B1N 13+00W	51	5
B1N 12+50W	54	5
B1N 12+00W	47	5
B1N 11+50W	50	5
B1N 11+00W	79	5
B1N 10+50W	58	5
B1N 10+00W	68	5
B1N 10+00WA	194	5
B1N 9+50W	78	5
B1N 9+00W	40	5
B1N 8+50W	31	5
B1N 8+00W	33	5
B1N 7+50W	11	5
B1N 7+00W	25	5
B1N 6+50W	38	5
B1N 6+00W	2	5
B1N 5+50W	38	5
B1N 5+00W	98	5
B1N 4+50W	24	5
B1N 4+00W	52	5
B1N 3+50W	24	5
B1N 3+00W	24	5
B1N 2+50W	265	5
B1N 2+00W	63	5
B1N 1+50W	48	5
B1N 1+00W	542	5
B1N 0+50W	219	5
B1N 0+00W	117	5

APPENDIX II

SUMMIT GOLD EM-16

Raw Data

SUMMIT GOLD EM-16 (FACING 066°)

LINE	STATION	QUAD.	IN-PHASE
81N	10W	-1	+23
	9+50	-2	+14
	9	+2	+12
	8+50	+4	+10
	8	+6	+7
	7+50	+11	+7
	7	+12	+9
	6+50	+9	+11
	6	+12	+14
	5+50	+8	+12
	5	+6	+13
	4+50	+2	+2
	4	+4	-2
	3+50	-7	-11
	3	-2	-2
	2+50	+1	+5
	2	+6	+7
	1+50	+10	+4
	1	+8	-11
	0+50	+6	-20
	0W	-4	-40
84N	20W	+10	+38
	19+50	+8	+32
	19	+3	+24
	18+50	+5	+25
	18	+4	+27
	17+50	+3	+28
	17	-1	+22
	16+50	+2	+16
	16	+2	+9
	15+50	+2	+4
	15	+1	+4
	14+50	+1	+5
	14	+3	+5
	13+50	+3	+8
	13	+3	+16
	12+50	+4	+20
	12W	+4	+19

(FACING 066°)

LINE	STATION	QUAD.	IN-PHASE
84N (cont'd)	11+50W	+3	+19
	11	0	+16
	10+50	-4	+16
	10	-4	+14
	9+50	-4	+16
	9	+1	+15
	8+50	+9	+12
	8	+5	+3
	7+50	+3	-2
	7	+4	+1
	6+50	+6	+8
	6	+8	+12
	5+50	+4	+11
	5	+3	+6
	4+50	-3	+1
	4	-4	-3
	3+50	-9	-11
	3	-11	-13
	2+50	-10	-16
	2	-4	-18
	1+50	-5	-25
	1	-12	-30
	0+50	-5	-28
	0W	-5	-27
87N	20W	+4	+45
	19+50	+5	+34
	19	+8	+38
	18+50	+11	+50
	18	+6	+46
	17+50	+7	+21
	17	+4	+40
	16+50	+1	+40
	16	+2	+48
	15+50	+2	+27
	15	0	+12
	14+50	+1	+17
	14	+3	-1
	13+50	+5	+4
	13W	+3	+11

(FACING 066°)

LINE	STATION	QUAD.	IN-PHASE
87N (cont'd)	12+50W	+2	+15
	12	+4	+21
	11+50	+11	+31
	11	+1	+17
	10+50	+2	+2
	10	+14	+26
	9+50	+16	+24
	9	+18	+26
	8+50	+18	+24
	8	+16	+23
	7+50	+13	+24
	7	+13	+28
	6+50	+12	+30
	6	+11	+28
	5+50	+8	+26
	5	+4	+19
	4+50	+4	+16
	4	+2	+14
	3+50	+4	+14
	3	+9	+14
	2+50	+9	-5
	2	+2	-15
	1+50	+1	-18
	1	-1	-22
	0+50	-4	-27
	0W	-5	-29
90N	20W	-5	+4
	19+50	-5	+6
	19	-8	+3
	18+50	-7	+7
	18	-4	-15
	17+50	-6	+13
	17	-1	+13
	16+50	-10	+11
	16	-6	+11
	15+50	-11	+3
	15	-16	+2
	14+50	-14	+4
	14W	-4	+11

(FACING 066°)

LINE	STATION	QUAD.	IN-PHASE
90N (cont'd)	13+50W	0	+10
	13	-1	+16
	12+50	-4	+9
	12	-6	+9
	11+50	-8	+8
	11	-6	+7
	10+50	-8	+2
	10	-5	-8
	9+50	+6	-7
	9	+9	-12
	8+50	+10	-10
	8	+8	-16
	7+50	+5	-8
	7	+3	-5
	6+50	+2	+3
	6	+1	+9
	5+50	-2	+13
	5	-5	+11
	4+50	+1	+12
	4	+5	+15
	3+50	+9	+20
	3	+7	+19
	2+50	+8	0
	2	+5	-5
	1+50	0	-12
	1	-5	-24
	0+50	-9	-39
	0W	-8	-42
93N	20W	-10	+3
	19+50	-6	+7
	19	-6	+11
	18+50	-4	+10
	18	-9	+4
	17+50	-6	+8
	17	-7	+8
	16+50	-6	+8
	16	-1	+13
	15+50	-2	+10
	15W	-4	+4

(FACING 066°)

LINE	STATION	QUAD.	IN-PHASE
93N (cont'd)	14+50W	-3	+1
	14	-2	0
	13+50	-6	-5
	13	-8	-5
	12+50	-6	-4
	12	-6	-7
	11+50	-4	-2
	11	0	+5
	10+50	-7	+5
	10	-4	+6
	9+50	-6	0
	9	+3	+8
	8+50	+8	+9
	8	+10	+8
	7+50	+12	+7
	7	+18	+12
	6+50	-7	+2
	6	-6	+7
	5+50	-8	-3
	5	-4	-8
	4+50	+2	-4
	4	+6	+1
	3+50	+8	+11
	3	+2	+11
	2+50	+11	+27
	2	+18	+32
	1+50	+10	+15
	1	+11	+15
	0+50	0	-10
	0W	+11	+1
96N	20W	-2	+16
	19+50	-3	+16
	19	-4	+15
	18+50	-2	+18
	18	-5	+14
	17+50	-4	+11
	17	-2	+10
	16+50	-4	+7
	16W	0	+8

LINE	STATION	QUAD.	IN-PHASE	(FACING 066°)
96N (cont'd)	15+50W	+1	+12	
	15	+3	+12	
	14+50	0	+6	
	14	+2	+6	
	13+50	+2	+4	
	13	-2	+5	
	12+50	-1	+6	
	12	-2	+6	
	11+50	-6	+5	
	11	-8	+7	
	10+50	-6	+7	
	10	-4	+15	
	9+50	+1	+9	
	9	+11	+3	
	8+50	+6	-19	
	8	+2	-12	
	7+50	0	-3	
	7	-6	+6	
	6+50	-1	+20	
	6	-2	+16	
	5+50	+1	+11	
	5	+4	0	
	4+50	+5	+1	
	4	-2	-9	
	3+50	-9	-33	
	3	-3	-36	
	2+50	+4	-22	
	2	+2	-12	
	1+50	+2	-6	
	1	0	-2	
	0+50	0	+2	
	0W	-1	+6	
99N	20W	-	-.	
	19+50	+5	+44	
	19	+4	+41	
	18+50	+5	+45	
	18	+5	+56	
	17+50	+5	+64	
	17W	+4	+60	

LINE	STATION	QUAD.	IN-PHASE	(FACING 066°)
99N (cont'd)	16+50W	+2	+53	
	16	+2	+41	
	15+50	+1	+30	
	15	+4	+27	
	14+50	+8	+29	
	14	+8	+18	
	13+50	+5	+13	
	13	+4	+16	
	12+50	+3	+19	
	12	+1	+21	
	11+50	-3	+15	
	11	-4	+15	
	10+50	-4	+15	
	10	0	+22	
	9+50	+6	+14	
	9	+11	-7	
	8+50	+5	-15	
	8	0	-5	
	7+50	-2	+4	
	7	+3	+21	
	6+50	-7	+6	
	6	-10	-2	
	5+50	-2	-6	
	5	-7	-10	
	4+50	-1	-15	
	4	-2	-21	
	3+50	+1	-15	
	3	-2	-8	
	2+50	-2	-7	
	2	-2	0	
	1+50	+2	+7	
	1	+3	+10	
	0+50	+1	+9	
	0W	0	0	
102N	20W	-3	+47	
	19+50	-8	+50	
	19	-2	+51	
	18+50	+2	+28	
	18W	+2	+16	

(FACING 066°)

LINE	STATION	QUAD.	IN-PHASE
102N (cont'd)	17+50W	+1	+25
	17	+2	+45
	16+50	0	+49
	16	+1	+29
	15+50	+2	+35
	15	+4	+30
	14+50	+2	+18
	14	+10	+24
	13+50	+9	+31
	13	+7	+36
	12+50	+7	+31
	12	+11	+26
	11+50	+14	+19
	11	+14	+6
	10+50	+17	+4
	10	+16	+3
	9+50	+6	+10
	9	+10	+8
	8+50	+9	+12
	8	+5	+12
	7+50	+3	+16
	7	+3	+15
	6+50	+1	+7
	6	-1	-3
	5+50	-3	-6
	5	-2	-5
	4+50	-2	-11
	4	-10	-24
	3+50	-11	-15
	3	-8	-8
	2+50	-5	-8
	2	-2	-20
	1+50	-15	-28
	1	-9	-19
	0+50	-4	-36
	0W	-2	-53
105N	20W	+6	+17
	19+50	+2	+21
	19W	-1	+26

LINE	STATION	QUAD.	IN-PHASE	(FACING 066°)
105N (cont'd)	18+50W	+3	+25	
	18	+2	+21	
	17+50	+1	+17	
	17	-1	+19	
	16+50	-2	+17	
	16	-1	+17	
	15+50	+1	+17	
	15	+2	+11	
	14+50	0	+7	
	14	+2	+11	
	13+50	-2	+10	
	13	0	+17	
	12+50	0	+14	
	12	+4	+6	
	11+50	+7	-2	
	11	+3	-16	
	10+50	+9	+1	
	10	+8	+7	
	9+50	+10	+11	
	9	+6	+25	
	8+50	-4	+7	
	8	-7	+7	
	7+50	0	+6	
	7	+6	-1	
	6+50	+4	-14	
	6	+2	-11	
	5+50	+7	-5	
	5	+10	+2	
	4+50	+2	-8	
	4	0	-8	
	3+50	0	-3	
	3	-2	-10	
	2+50	-3	-14	
	2	-3	-32	
	1+50	-8	-14	
	1	-4	-1	
	0+50	-4	-2	
	0W	-1	-8	

(FACING 066°)

LINE	STATION	QUAD.	IN-PHASE
108N	20W	-5	+1
	19+50	-8	+4
	19	-9	0
	18+50	-9	-10
	18	-8	-11
	17+50	-7	-7
	17	-2	+2
	16+50	-1	+7
	16	+2	+16
	15+50	+2	+21
	15	+4	+19
	14+50	+8	+23
	14	+7	+24
	13+50	+6	+16
	13	-2	+2
	12+50	-4	0
	12	0	+17
	11+50	-3	+18
	11	-2	+20
	10+50	+2	+20
	10	+11	+5
	9+50	+10	-1
	9	+5	-7
	8+50	-2	-10
	8	-3	-5
	7+50	-4	-2
	7	-10	-9
	6+50	-4	+4
	6	+11	+1
	5+50	-1	+1
	5	+7	+12
	4+50	-1	-14
	4	-1	-5
	3+50	-2	+3
	3	0	+18
	2+50	+3	+10
	2	-9	-27
	1+50	+1	-15
	1	-3	-12
	0+50	+4	-22
	0W	+7	-36

LINE	STATION	QUAD.	IN-PHASE	(FACING 066°)
111N	20W	-4	-8	
	19+50	-4	-3	
	19	-8	-6	
	18+50	-8	-11	
	18	-7	-18	
	17+50	-12	-33	
	17	-16	-36	
	16+50	-15	-29	
	16	-12	-9	
	15+50	-4	+13	
	15	0	+10	
	14+50	+3	+16	
	14	+2	+15	
	13+50	-3	+13	
	13	-5	+9	
	12+50	-5	+10	
	12	-4	+8	
	11+50	-4	+10	
	11	-4	+10	
	10+50	+3	+9	
	10	+8	+3	
	9+50	+5	-15	
	9	+3	-18	
	8+50	+2	-14	
	8	0	-15	
	7+50	+3	-17	
	7	+1	-9	
	6+50	+1	-11	
	6	+1	-9	
	5+50	+1	-11	
	5	+2	-14	
	4+50	+2	-6	
	4	+1	-2	
	3+50	0	-1	
	3	+4	-7	
	2+50	+11	-4	
	2	+11	-10	
	1+50	+12	-17	
	1	+19	-13	
	0+50	+4	-19	
	0W	+19	-22	

LINE	STATION	QUAD.	IN-PHASE	(FACING 066°)
114N	20W	-7	-5	
	19+50	-8	-2	
	19	-7	-8	
	18+50	-6	-10	
	18	-4	-10	
	17+50	-4	-9	
	17	-11	-8	
	16+50	-14	-8	
	16	-11	-8	
	15+50	-5	-3	
	15	+1	0	
	14+50	+2	0	
	14	-1	-2	
	13+50	-4	-1	
	13	-7	-1	
	12+50	-7	-3	
	12	-3	+2	
	11+50	-3	+3	
	11	-2	-2	
	10+50	+2	-6	
	10	+2	-7	
	9+50	+3	-29	
	9	-2	-16	
	8+50	-2	-20	
	8	-1	-17	
	7+50	-6	-22	
	7	-7	-19	
	6+50	-7	-14	
	6	-10	-11	
	5+50	-8	-5	
	5	-6	-32	
	4+50	-2	-76	
	4	0	-43	
	3+50	+1	-23	
	3	+1	-34	
	2+50	+3	-27	
	2	+3	-26	
	1+50	+8	-27	
	1	+7	-29	
	0+50	+6	-25	
	0W	-1	-24	

(FACING 066°)

LINE	STATION	QUAD.	IN-PHASE
117N	20W	+2	+25
	19+50	+2	+22
	19	-8	+8
	18+50	-9	0
	18	-6	-1
	17+50	-2	+2
	17	-2	+4
	16+50	-1	+9
	16	-4	+12
	15+50	0	+16
	15	+1	0
	14+50	+6	-8
	14	+8	-7
	13+50	+7	-8
	13	+2	-13
	12+50	-6	-13
	12	-7	-10
	11+50	-6	-2
	11	-3	+2
	10+50	+5	-7
	10	+6	-13
	9+50	+1	-25
	9	-2	-29
	8+50	-4	-24
	8	-11	-17
	7+50	-14	-10
	7	-13	+7
	6+50	-10	-14
	6	-2	-49
	5+50	-8	-70
	5	0	-41
	4+50	+3	-44
	4	+9	-32
	3+50	+12	-42
	3	+10	-46
	2+50	+4	-44
	2	-2	-38
	1+50	-4	-37
	1	-4	-32
	0+50	-3	-24
	0W	-2	-20

(FACING 066°)

LINE	STATION	QUAD.	IN-PHASE
120N	21W	-2	+33
	20+50	-4	+27
	20	-6	+20
	19+50	-9	+13
	19	-7	+12
	18+50	-8	+10
	18	-8	+17
	17+50	-6	+7
	17	0	+5
	16+50	0	+4
	16	-6	+4
	15+50	+2	+1
	15	+6	-9
	14+50	+8	-7
	14	+2	-12
	13+50	+2	-13
	13	+1	-10
	12+50	+1	-5
	12	+2	-6
	11+50	+1	-1
	11	0	-5
	10+50	0	-4
	10	-6	-9
	9+50	-10	-8
	9	-15	-2
	8+50	-16	+8
	8	-18	+2
	7+50	-18	-40
	7	+3	-53
	6+50	+6	-35
	6	-4	-19
	5+50	-10	-26
	5	+1	-28
	4+50	+5	-38
	4	0	-69
	3+50	+1	-65
	3	+10	-41
	2+50	+7	-37
	2	+1	-37
	1+50	-9	-43
	1W	-10	-40

LINE	STATION	QUAD.	IN-PHASE	(FACING 066°)
120N (cont'd)	0+50W	-11	-38	
	0W	-4	-34	

Pyramid Mountain 5722

SUMMIT GOLD 2

SUMMIT GOLD 3

SUMMIT GOLD 1

SUMMIT GOLD 4

SUMMIT GOLD 5

SUMMIT GOLD 6

NATCH 1

NATCH 4

HANNA 3

HANNA 2

5756

RIVER

STLA

Stlakumen

KAMLOOPS DIVISION OF YALE LAND DISTRICT

YALE DIVISION OF YALE LAND DISTRICT

SYMBOLS

5+	Gold in soil (p.p.b.)
N.S.	No sample
	25 ppb Au contour
	100 ppb Au contour
	200 ppb Au contour

SCALE 1:10,000

HUDSON BAY EXPLORATION AND DEVELOPMENT CO. LTD.

VANCOUVER, B.C.

SUMMIT GOLD 1-5 ; SUMMIT GOLD 6

GOLD GEOCHEMISTRY

DRAWN BY: K.E.P. & F.D.	DATE: MAR. '90
REVISION BY: K.T. & S.L.M.	ASS. MAP SCALE:
APPROVED BY: K.T.	FIGURE NO.: 84-1

GEOLOGICAL BRANCH
ASSESSMENT REPORT

13,167

Pyramid Mountain 7220

SUMMIT GOLD 2

SUMMIT GOLD 3

SUMMIT GOLD 1

SUMMIT GOLD 4

SUMMIT GOLD 5

SUMMIT GOLD 6

HANNA 3

HANNA 2

NATCH 1

NATCH 4

STLA

Stlakumen

RIVER

KAMLOOPS DIVISION OF YALE LAND DISTRICT

YALE DIVISION OF YALE LAND DISTRICT

91

50

49

48

47

46

4500

5000

5500

6000

6200

4700

3000

3500

4000

5756

24

SYMBOLS

70· Arsenic in soil (p.p.m.)

N.S. No sample

70 ppm As contour

130 ppm As contour

180 ppm As contour

SCALE: 1:10,000

HUDSON BAY EXPLORATION AND DEVELOPMENT CO. LTD.

VANCOUVER OFFICE

SUMMIT GOLD 1-5, SUMMIT GOLD 6

ARSENIC GEOCHEMISTRY

DRAWN BY: K.T.C.Q.C. DATE: JAN '85

FIELDWORK BY: K.T. ET AL N.T.S. Map: 92I/9E

GEOLOGICAL BRANCH
ASSESSMENT REPORT

13,167

SUMMIT GOLD 2

SUMMIT GOLD 3

SUMMIT GOLD 1

SUMMIT GOLD 4

SUMMIT GOLD 5

SUMMIT GOLD 6

NATCH 1

HANNA 3

HANNA 2

NATCH 4

Pyramid Mountain 5722

R I V E R

STLA

Stlakumen

KAMLOOPS DIVISION OF YALE LAND DISTRICT

YALE DIVISION OF YALE LAND DISTRICT

91 50 49 48 47 46

4500 5000 6000 6200 6000 4700 5000 2500 5500 4000 3500 3000

SYMBOLS

- 35 in-phase (Fraser-filterd)
- 10 contour
- 20 contour
- 30 contour
- interpreted conductor

SCALE 1:10,000

HUDSON BAY EXPLORATION AND DEVELOPMENT CO. LTD.

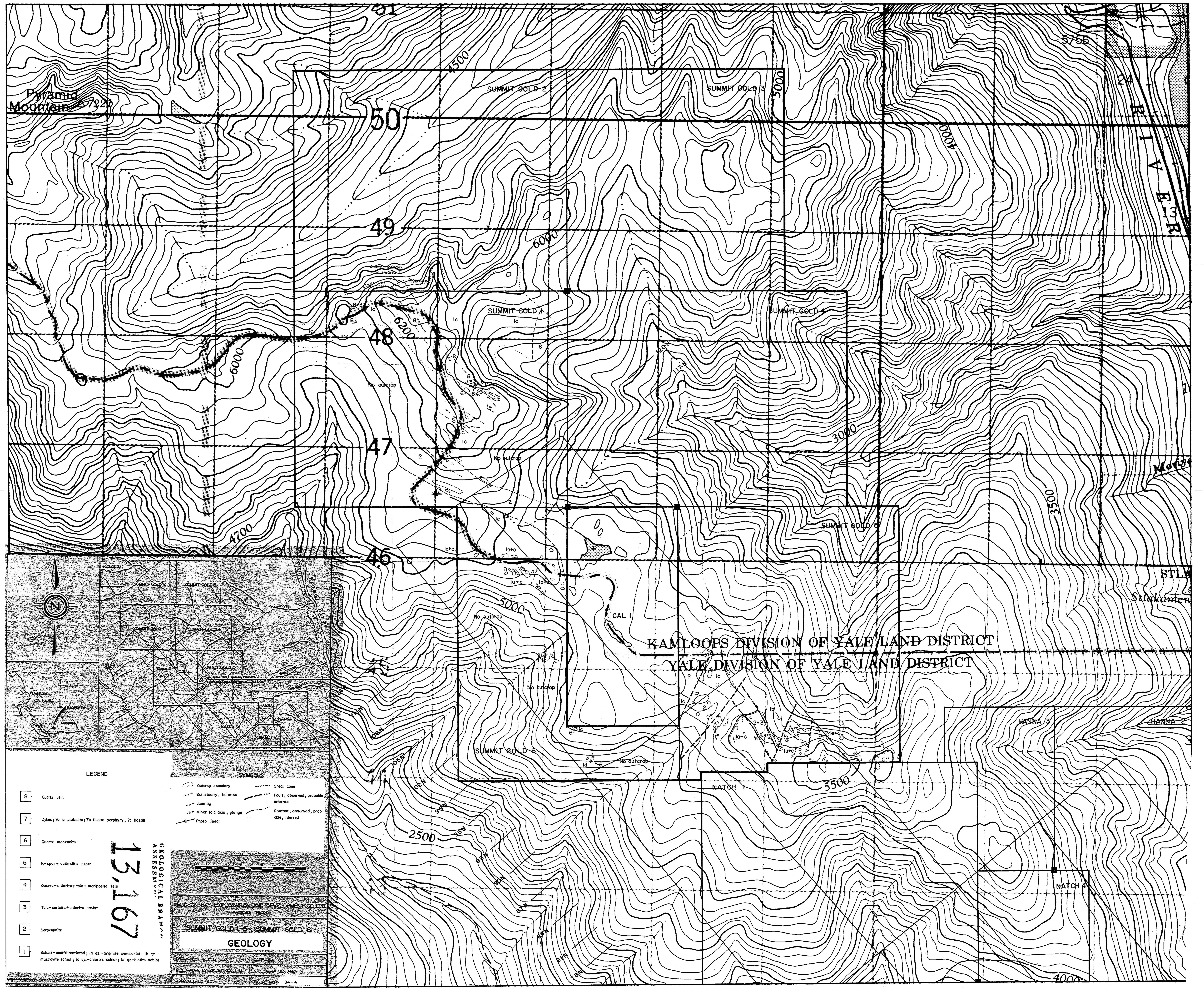
VANCOUVER, B.C.

SUMMIT GOLD 1-5, SUMMIT GOLD 6

VLF-EM (EM-16)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

13,167



Pyramid Mountain 7222
RIVER
SUMMIT GOLD 1
SUMMIT GOLD 2
SUMMIT GOLD 3
SUMMIT GOLD 4
SUMMIT GOLD 5
SUMMIT GOLD 6
CAL 1
HANNA 3
HANNA 2
NATCH 1
NATCH 4
No outcrop
KAMLOOPS DIVISION OF YALE LAND DISTRICT
YALE DIVISION OF YALE LAND DISTRICT
STLA
Stlakamen
50
49
48
47
46
4500
5000
4000
6000
6200
4700
3000
3500
5500
2500
LEGEND
8 Quartz vein
7 Dykes; 7a amphibolite; 7b felsite porphyry; 7c basalt
6 Quartz monzonite
5 K-spar ± actinolite skarn
4 Quartz-siderite ± talc ± mariposite fels
3 Talc-sericite ± siderite schist
2 Serpentinite
1 Schist-undifferentiated; 1a qz.-argillite semischist; 1b qz.-muscovite schist; 1c qz.-chlorite schist; 1d qz.-biotite schist
SYMBOLS
Outcrop boundary
Schistosity, foliation
Jointing
Minor fold axis; plunge
Photo linear
Shear zone
Fault; observed, probable, inferred
Contact; observed, probable, inferred
GEOLOGICAL BRANCH
ASSESSMENT
13,167
SCALE 1:10,000
0 1 2 3 4 5 6 7 8 9 10
(meters x 100)
HUDSON BAY EXPLORATION AND DEVELOPMENT CO. LTD.
VANCOUVER OFFICE
SUMMIT GOLD 1-5 ; SUMMIT GOLD 6
GEOLOGY
DRAWN BY: K.T. & E.D.
DATE: JAN. 85
FIELD WORK BY: K.T., R.T., G.S., L.M.
N.T.S. MAP 92I/4E
APPROVED BY: K.T.
FIGURE NO.: 84-4