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TITLE PAGE

TUPCO MINES LTD. (NPL)

Cherry Creek 1 and Cherry Creek 2 Groups

Claims YR 1 - 48 and 51 - 66

Kamloops Mining Division

British Columbia

50° 120° N.W.

Geological and Geochemical Report

by Hartley Sargent, P. Eng.

November 14, 1969.

*Hartley Sargent*  
17 November, 1969



## Cherry Creek 1, and Cherry Creek 2, Groups

Kamloops Mining Division

British Columbia.

## GENERAL

Cherry Creek 1 Group consisting of the claims YR 9 - 24, and YR 33 - 48, and Cherry Creek 2 Group, consisting of the claims YR 1 - 8, YR 25 - 32 and YR 51 - 66, occupy an area, about 6000 feet from southwest and northeast that extends northwesterly for 16 claim lengths. These claims located on October 23 and 24, 1968 and recorded on October 28, were transferred by Bills of Sale dated February 3, 1969, to Tupco Mines Ltd. (NPL).

The long axis of the property extends from about a mile southeast of Beaton Lake northwesterly past Brussels Lake and Brussels Creek. The center of the property is about 14 miles a little north of west from the center of Kamloops.

Subsequent staking has extended the property both to the southwest and to the northeast, and has covered some triangular areas not covered by the original claims.

This report deals only with the area covered by the claims enumerated in paragraph 1.

Brussels Creek and Duffy Creek flow northeasterly across the property in rather deeply cut draws. Beaton Lake and Brussels Lake are in a broader northwesterly trending valley, see National Topographic map, sheet 92 1/10 East, Cherry Creek. The general slope is toward the northeast, but a ridge rising in altitude and becoming much more prominent to the northwest, interrupts the general slope, and forms the northeastern side of the northwesterly trending valley. Beaton Lake lies above the

2100 foot contour and Brussels Lake between the 2000 foot and 2100 foot contours. The country is fairly closely treed in the southeastern part of the property, but is more open toward the northwest. In the northwestern parts the positions of outcrops may be recognized from considerable distances, but in the southeastern part they must be found by closer inspection of the ground.

Relief is low to moderate. Except, for swampy areas and lakes, soil cover is fairly continuous over much of the property, and the area is used for grazing cattle. In the northern part, the ridge forming the northeastern side of the broader valley is high and quite rocky.

The northeasterly side of the property is mainly south of, and within a mile or so of the Trans-Provincial Highway, and may be reached conveniently by ranch roads, one of which leaves the Highway near the ranch house of Mr. Gardi some 15 miles from Kamloops. Ranch roads make it possible to reach much of the property by truck or jeep.

#### GEOLOGICAL SETTING

The bedrock consists largely of rocks of volcanic affinity, including lavas tuffs agglomerates breccias rhyolite and some andesitic and basaltic rocks.

Geological Survey of Canada, "Map 886 A, Nicola", shows the area as occupied mainly by rocks of the "Upper Triassic Nicola Group." It shows also a roughly elliptical area half a mile wide and a mile and three quarters long, as occupied by volcanic rocks of the "Miocene or Earlier Kamloops Group". The axis of this area trends northwesterly. Beaton Lake is on the southern side near the southeastern end of the ellipse, which lies mainly in the northeastern side of the southeastern end of the property.

Map 886 A also shows an area of "Jurassic and later Coast Intrusions" extending to Kamloops Lake. The northeastern margin of the property is about two miles from this intrusive, which is undoubtedly part of the Iron Mask batholith, although separated from the main exposures of the batholith, to the southeast, by an area of several square miles occupied by volcanic and sedimentary rocks of the Kamloops Group.

More recent and more detailed work (Carr, J.M., Minister of Mines, B.C., 1956 pp. 47 - 54 and Preto, V.A.G., Minister of Mines and Petroleum Resources, B.C. 1967 pp. 137 - 141), has shown that in addition to intrusive rocks properly assigned to the Iron Mask batholith. The batholith has been intruded by somewhat later, microdiorite and diorite, trachyte, and latite of two different suites. One suite, the Cherry Creek intrusion, has been recognized in and is named for a locality near Kamloops Lake, near the southeastern part of the Tupco property.

The grain of the bedrock appears to be mainly northwesterly and the direction of glacial scouring appears also to be in a northwest - southeast direction (Map 887 A with GSC Memoir 249).

Numerous mineral discoveries have been known over many years in and close to the Iron Mask batholith. The later intrusives, and the mineral occurrences are related to zones of recurring fracture that trend generally northwesterly near the margins of the batholith and centrally within it. Production from these deposits has included copper ore and magnetite, the latter used for flux. The Iron King mine near Cherry Bluff, in the part of the batholith nearest the Tupco property has a recorded production of 7460 tons of ore averaging Gold, 0.16 oz. per ton; silver, 0.3 oz. per ton, copper, 2.7 per cent.

Exploration in the neighborhood of the Iron Mask batholith has had a long history and has been quite active from the mid 1950's to date. The properties on which this work was done range from north to southeast of the Tupco property, at distances of two to eighteen miles. Not far from the northwestern end of the property, there is record of an old mercury prospect. Despite the amount of exploratory work in the surrounding area, the writer saw no evidence of mineral exploration on the Tupco property except minimal work to expose disseminated copper mineralization that presumably was done in the last year, plus the soil sampling program being done in October 1969.

#### GEOLOGICAL MAPPING

Geological mapping represented by the geological map accompanying this report, embodies observations made by A.J. Deevy and P. Ropp in the period September 8 - 18 and by Marcel Guiget and the writer on October 16.

#### LOCAL GEOLOGY

The rocks exposed on the property vary considerably. They include fine grained rocks of a decidedly greenish colour, some of which are obviously fragmental; rocks that are fine grained and decidedly brown in colour, that may be altered tuffs; rhyolite; also andesitic and basaltic types, that outcrop over considerable areas in parts of the property.

Some of the rhyolite contains small grains of yellow sulphide. The rhyolite is commonly brown with limonite stain, and locally it contains numerous small patches of limonite. Some of it contains eyes of glassy quartz up to a millimeter or so long. Specimens from a small outcrop south of Beaton Lake contain residual grains of yellow sulphide within small masses of

limonite. Some of the sulphide grains approach a millimeter in length but others are much smaller. Some of the sulphide grains appear definitely to be pyrite, others resemble chalcopyrite, but in the absence of any blue or green secondary mineral may also be pyrite.

A considerable outcrop, centrally placed in the property (HS 3 and HS 4), includes purply brown and mid grey types. The brown type tends to be coated with iron oxide. The grey type contains pinkish grains of calcite in a fine grained matrix. Both types contain numerous small books of dark mica, with well developed hexagonal outlines. The grains of mica are a millimeter or so across. This is a fresh looking rock but contains a good deal of calcite. The outcrop exhibits a poorly developed layering.

A little malachite was seen by the writer south of Beaton Lake. This mineral has been seen in several localities by other workers and noted on the Geological Map.

Carr, Minister of Mines, B.C. 1956, p. 49, has remarked that it may be difficult or perhaps impossible, to distinguish between altered Kamloops Group Volcanic rocks and the more generally altered volcanics of the Nicola Group. It seems probable that rocks of both groups outcrop on this property, and that Kamloops Group rocks may occur more widely in this locality than is suggested by the 4 mile aerial geological map.

At several points, generally in the more altered rocks, numerous closely spaced viallets, that almost certainly include both ankerite and calcite, were observed. Locally the light coloured carbonates appear to replace sheared and brecciated volcanic rock.

All specimens tested by the writer contain calcite as proved by



effervescence with hydrochloric acid. Even a small lens of siltstone found in an outcrop (M.G. - 3) near Duffy Creek, contains veinlets of calcite although the siltstone, itself did not react with acid.

The following eight paragraphs, and table of assays are quoted from notes prepared by A.J. Deevy, based on his field mapping in the period September 8 - 18, 1969.

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Rock Types or Formations

"The most dominant rock-type is a dark green, slightly magnetic tuffaceous formation. It has been re-worked in places, and is conglomeratic in appearance. This conglomerate type rock is referred to here as a coarse fragmental".

"A quartz-rich rhyolite occurs in the north west and the central part of the area. Some andesite dykes also intrude the coarse fragmental."

Structure

"Bedding has been observed in the west of the area, where it is flat or dipping slightly to the south."

Numerous minor shears and calcite filled fractures have been observed throughout the area. The slicken sides indicate a vertical movement. These minor fractures strike south ten to fifty five degrees east."

"Several outcrops of a breccia containing pinkish rock fragments cemented with quartz, dolomite, calcite and possibly barytes occur. This type of breccia is believed to be the product of faulting. These breccia zones strike in the same direction as the minor fractures (S 10° E to S 55° E) except in one outcrop in the west of the area where the strike is S40°W."

Mineralization

"Copper in the form of malachite has been observed in several of the breccia outcrops. Some sulphide has also been observed in these outcrops. One outcrop (K101) (see sketch)\* is believed to contain grey copper."

"A grab sample of the pinkish breccia from outcrop K2 (see plan) was assayed for copper, gold and silver. Two float samples, one a coarse fragmental containing magnetite and visible chalcopyrite and the other a green stained boulder were also assayed for the above elements. The bedrock sample and the green stained float sample were assayed for mercury".

"Trace amounts of copper gold and silver were reported in all the samples, but mercury was not detected."

<u>Sample No.</u>	<u>Location and Description</u>	<u>Au. oz./ton</u>	<u>Ag. oz/ton</u>	<u>Cu. %</u>
3095	K-2 outcrop	trace	trace	.02
3096	Coarse fragmental boulder SE of K2 outcrop	trace	trace	.02
4720	Green stained boulder at K70	trace	trace	trace

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\* Incorporated in Geological Map with this report.

GEOCHEMICAL PROSPECTING

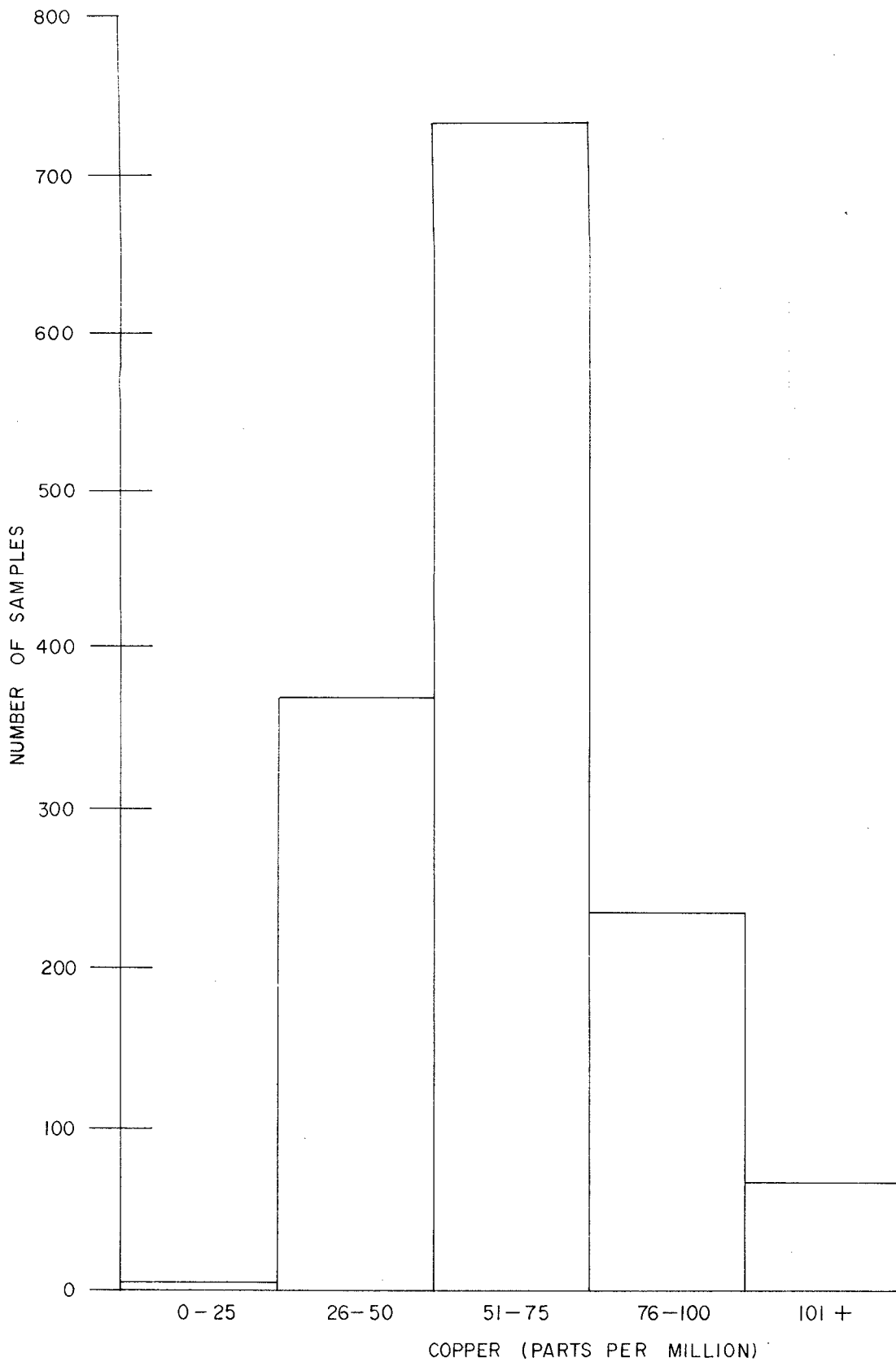
A grid consisting of a northwesterly trending baseline and 46 cross lines, 54 miles in all, was surveyed, cut, blazed and otherwise marked, under contract, by Amex Exploration Services Ltd. of Kamloops, who also took a total of 1397 soil samples along the cross lines. The crew on this work, including the chief A Ablett, consisted 9 men in all, as indicated in an attachment to this report. Their work was done in the period October 10 - 25.

The procedure used in taking each soil sample involved digging a hole with a mattock, then removing with a tablespoon about 4 ounces of soil, two to four inches below the deepest recognized organic matter (roots). Mr. Ablett advised that possibly because of the semi-arid climate of the area, layering of the soil profile is less apparent than in some areas. Most of the samples were taken at depths of 8 to 12 inches below the ground surface, but in the northern part of the property, in areas of considerable rock outcrops the depth at which samples were taken averaged nearer 5 inches.

Each sample, as taken, was put in a numbered paper soil sample envelope. The samples were sent to Bondar-Clegg & Co. Ltd., of North Vancouver, for assay.

The assays reported by Bondar-Clegg & Co., are based, for each sample, on the atomic absorption measurement made on the soluble material obtained by extracting the - 80 mesh part of the sample with hot strong aqua regia.

The assay for each sample is plotted beside a dot, marking the position of the sample on the grid, represented on the accompanying Geochemical Map. The grid in relation to claim boundary is shown on another accompanying map, "Grid System, Tupco Mines Ltd. (NPL)" prepared by



CANNON-HICKS ASSOCIATES LTD.  
TUPCO MINES LTD.

**GEOCHEMICAL HISTOGRAM**  
CHERRY CREEK, HIGHLAND VALLEY  
B.C.

Amex Exploration Services Ltd.

The histogram, facing this page, analyzes the numerical distribution of the 1397 assays; according to grade, expressed in parts per million. It is apparent that copper was detected in virtually all the samples, but that 70 percent of the samples contained less than 76 parts of copper per million. The 161 samples, for which assays indicated 100 or more than 100 parts of copper per million, are enclosed within the heaviest contours on the Geochemical Map.

#### AERIAL RELATIONS

The association of copper mineralization with northwesterly trending zones of recurring fracturing, and intrusion, in the Iron Mask batholith and near the batholith, was noted earlier in this report, as was the presence of a northwesterly trending valley as a marked topographic feature on and in the immediate vicinity of the Cherry Creek 1 and Cherry Creek 2 Groups.

The valley may well reflect shearing or fracturing in a northwesterly direction, and the valleys of Duffy Creek and other creeks in this locality, trending northeasterly may mark fracturing in that direction.

#### SUMMARY AND RECOMMENDATIONS.

The Cherry Creek property of Tupco Mines Ltd. (NPL) is in a very early stage of exploration. It is conveniently situated and easy to traverse. Copper mineralization has been recognized at several points. The Geochemical Survey has indicated "copper highs" in these localities and in quite a few other localities. The topography suggests that breaks may be present that could have been channels for mineralization.

The indications of copper from surface observations and the geochemical survey indicate points on which more detailed exploration could be focused. The next phase could include traditional prospecting, - that is very careful study of the surface and removal of overburden by trenching sinking pits etc; plane table geological mapping; and geochemical prospecting with more closely spaced samples; not necessarily in the order given.

*Hartley Sargent*

October 15, 1969.

Hartley Sargent, P. Eng.

MARCEL GUIGUET

1935 1 Year University of Saskatchewan - Geology

1935 Summer Employment - Canadian Geological Surveys, Saskatchewan

1937-39 3 Years University of British Columbia - Major in geology  
No minor.

1937-39 3 Summers employment - Canadian Geological Surveys,  
Hope - Princeton area, B.C.

Sept. '39 Surveyor and assistant to geologist, Granby Consolidated  
- May '42 M. & S. Co., Copper Mountain Mine, Princeton, B.C.

1942-45 RCAF Overseas.

Sept. 45 Quebec Gold Mining Corporation  
- Sept. 46 Manager of Properties, Texada Island, Rossland, B.C.

Sept. 46 Geologist Cariboo Gold Quartz Mining Co. Ltd.,  
- 1948 Wells, B.C.

1948 - 49 Chief Engineer Geologist, C.Q.G., Wells, B.C.

1949-51 Superintendent, C.G.Q., Wells, B.C.

1951 - General Superintendent, C.G.Q., Wells, B.C.  
July '57

1957 - General Manager, C.G.Q., Wells, B.C.  
Jan. 1966

Jan. 66 - Newmont Mining Corporation - Geologist - Projects  
May, '68 Manager

1968 to Cannon-Hicks Associates Ltd.  
Present Geologist and Properties Manager, Examination  
of properties - Canada, U.S.A, Mexico.

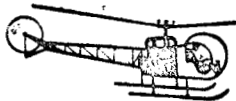
ANTHONY J. DEEVY

- Sept. 1964 - B. Sc. Geology - National University of Ireland.
- June 1967 - M.Sc., D.I.C. (Diploma Imperial College), Royal School of Mines, London, U.K.
- Sept. '64 - Geologist with Patino Mining Corporation  
Sept. '66 (Irish Exploration Division)  
(2.1/4 yrs. Geological Mapping, I.P. and D.D. supervision,  
total Ireland) geochemical sampling.
- June 67- - As above.  
Sept. 67
- Sept. 67 - Mine Geologist, Copper Rand Division,  
May 69 Patino Mining Corporation, Chibougamauv, P.Q.  
(1.1/2 years)
- May, 1969 - Geologist with Cannon-Hicks Associates Ltd.  
(1/2 year) Mexico and Highland Valley Area, B.C.
- 

PAUL ROPP

- B.Sc. in Geology - Brown University, Providence R.I., USA.
- B. Education - Dalhousie University, Halifax, Nova Scotia.
- 2.1/2 Months Field Course - New York State  
Sedimentary geology Appalachian Mnts.
- Mineralogy Lab. Technician at Brown  
University (Dr. R. Yund)
- July '69 - Sept. '69 - Geologist with Cannon-Hicks Associates Ltd.  
Highland Valley area, B.C.
- Sept. '69 to date - Cannon-Hicks Associates Ltd.  
Geologist at Dusty Mac Mines Ltd.,  
Okanagan Falls, B.C.





# AMEX EXPLORATION SERVICES LTD.

CONFIDENTIAL WORK

BOX 286, KAMLOOPS, B.C.

October 27, 1969

Cannon-Hicks Associates Ltd.,  
 713-744 W. Hastings St.,  
 Vancouver 1, B.C.

Dear Sirs:

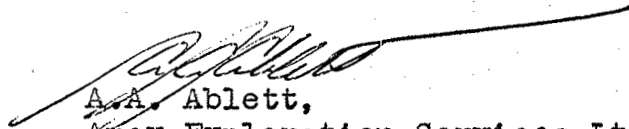
The following is a breakdown of our direct costs and personnel engaged during line preparation to October 25, 1969, on your YR Group of mineral claims in the Cherry Creek area. Total mileage completed (see attached map) is 54 miles.

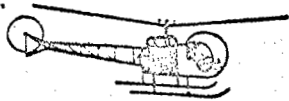
<u>PERSONNEL ENGAGED</u>	<u>TIME EXPENDED</u>	<u>WAGES</u>	
A. Ablett	9 days	\$ 472.00	
A. Bara	8 days	280.80	
R. Spearman	11 days	386.10	
J. McKenzie	11 days	386.10	
J. Jorgensen	8 days	280.80	
D. Wilson	5 days	175.50	
R. Swaim	12 days	421.20	
F. Froste	8 days	280.80	
M. Giesbrecht	2 days	70.20	
		\$ 2753.50	\$ 2753.50

DIRECT COSTS

Accommodation	= \$ 120.00	
Board 8 men	= 310.00	
2 - 4 wheel drives 8 days @ \$10/day	= 160.00	
1 - 4 wheel drive 4 days @ \$10/day	= 40.00	
46 bundles 4' lath @ \$2.75/bdl.	= 126.50	
	\$ 756.50	
<u>TOTAL COST</u>		\$ <u>756.50</u>
		\$ 3510.00

Yours truly,

  
 A.A. Ablett,  
 Amex Exploration Services Ltd.  
 AAA/ea



# AMEX EXPLORATION SERVICES LTD.

CONFIDENTIAL WORK

BOX 286, KAMLOOPS, B.C.

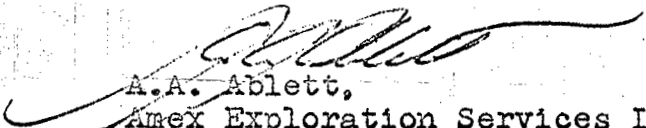
Cannon-Hicks Associates Ltd.,  
713-744 W. Hastings St.,  
Vancouver 1, B.C.

Dear Sirs:

The following is the breakdown of cost for collecting 1397 soil samples on Tupco Mines Ltd., YR Group of mineral claims at Cherry Creek, to accompany your Geochemical Report of this property:

1397 soil samples @ 80¢ per sample =  
(collected from Oct. 5 to 25/69) \$ 1117.60

Yours truly,

  
A.A. Ablett,  
Amex Exploration Services Ltd.,

AAA/ea

CANNON ENGINEERING LTD.

DATE Sept/69

*Voucher*

EXPENSE ACCOUNT OF A. J. Deevy - P. Rapp  
 PURPOSE OF TRIP Geological mapping YR group  
 PROJECT INCURRED FOR Tupes Mines Ltd

RECORD OF TRAVEL

FROM	DATE	TIME	TO	DATE	TIME	FROM	DATE	TIME	TO	DATE	TIME

RECORD OF EXPENSES

DATE OF EXPENSE	FARES	ROOM	MEALS	TAXIS	TIPS	TEL. & TEL.		SUNDRIES		ENTER-TAINING	TOT.
						TO	AMOUNT	ITEM	AMOUNT		
Sept 2		12 00	15 80		90					6 02	
4		12 00	10 10		90					3 00	
5		12 00	14 85		95					3 85	
6		12 00	16 60		1 50			oil & gas		6 50	
8		12 00	16 50		1 25		2 50	"		6 75	
10		10 00	6 90		55			"		3 50	
19		12 00	15 85		1 25			"		2 00	
HOTEL BILL											
HOTEL BILL											
TOTAL		82 00	96 60		7 30		2 50			31 60	220

*16 50  
check*

NOTE: PARTICULARS OF ENTERTAINING EXPENSE TO BE RECORDED ON REVERSE SIDE.

SIGNED A. J. Deevy  
 EXAMINED & CHECKED BY \_\_\_\_\_  
 RECOMMENDED FOR APPROVAL BY \_\_\_\_\_  
 FINALLY APPROVED BY \_\_\_\_\_

CHECK NO. \_\_\_\_\_  
 EXTENSIONS OK \_\_\_\_\_  
 ENTERED \_\_\_\_\_ BY \_\_\_\_\_  
 CHARGE ACCOUNT Tupes Mines

BALANCE RTD. TO CO. OR OWING TO ME

# CANNON-HICKS ASSOCIATES LTD.

D. M. CANNON, P.Eng. (Geological)  
H. BRODIE HICKS, P.Eng. (Mining)  
M. GUIGUET, Geologist

STE. 713 - 744 WEST HASTINGS STREET, VANCOUVER 1, B.C.

TELEPHONE: 688-4146

TELEX: 04-50418

## BREAKDOWN OF PERSONNEL USED IN SOIL SAMPLING

<u>LIST OF PERSONNEL</u>		<u>SOIL SAMPLING</u>	
R. Spearman	Oct. 15-25th	6 days	\$ 210.60
R. Swain	Oct. 15-25th	6 days	210.60
J. McKenzie	Oct. 15-25th	8 days	280.80
A. Bara	Oct. 24-25th	2 days	70.20
J. Jorgensen	Oct. 24-25th	2 days	70.20
A. Ablett	Oct. 10-25th	4 days	195.20
4 wheel drive	\$10.00/day		<u>80.00</u>
			<u>\$1,117.60</u>

Per phone conversation, M. Guiguet and A. A. Ablett

*Marcel Guiguet*



geologists • geochemists • analysts

**BONDAR-CLEGG & COMPANY LTD.**

1500 PEMBERTON AVENUE, NORTH VANCOUVER, B.C.

Phone 988-5315

**I N V O I C E**


October 28, 1969

Cannon Hicks & Associates  
713 - 744 W. Hastings Street  
Vancouver, B.C.  
Attention: Mr. M. Guiguet

RE: Our Report 29-481

1397 analyses for Cu including sample preparation:	
1000 @ 1.20	1200.00
397 @ 1.20	<u>476.40</u>
	1676.40
LESS: 6% on 397 samples	<u>28.58</u>
	<u><u>\$1647.82</u></u>

Please make cheque payable to: Bondar-Clegg & Company Ltd.  
768A Belfast Road  
M.R. #1  
Ottawa 8, Ontario

per   
F.D. Forgeron

OK JMG

OUR INVOICE NUMBER 5065

#417  
Tussock  
Cherry Creek  
YR Grapes

Syd Smith U-Drive  
459 Victoria St.,  
Kamloops, B.C.

ORIGINAL INVOICE NO. C-906393  
NO FACTURE ORIGINALE

(HEREINAFTER CALLED "LESSOR". (CI-APRÈS APPELÉE LOCATEUR))

TO: À <b>Cannon Engineering Ltd.</b> <b>Marcel Guiquet</b> <b>713 / 744 W Hastings.</b> <b>Van 1</b> <b>B.C.</b>	UNIT NUMBER - NO DU VÉHICULE <b>164-9</b>	VEHICLE CHECKED IN AT (CITY) LIEU DE RETOUR (VILLE) <b>KAM</b>	DATE & TIME - DATE & HEURE IN <b>9:00 PM</b>
	OWNING CITY - VILLE PROP. <b>Kamloops</b>	STATION	ARRIVÉE <b>Oct 18/67</b>
	VEHICLE MAKE - MARQUE <b>Chev Flu</b>	VEHICLE RENTED AT (CITY) CAMION LOUÉE À (VILLE) <b>Kamloops</b>	DATE & TIME - DATE & HEURE OUT <b>6 PM</b>
	LICENSE NO. - PLAQUES <b>BC</b>	STATION	DÉPART <b>Oct 15/67</b>
CHARGE CARD CARTE DE CREDIT 1 HTZ. 2 DIN. 3 AMEX. 4 CB. 5 ATC OTHER: <b>Taken</b>	LICENCE NO. - PLAQUES <b>BC</b>	VEHICLE TO BE CHECKED IN AT LIEU DE DESTINATION <b>30x4</b>	STATION DATE DAY MO. YEAR <b>10/67</b>
MILEAGE DETERMINED BY READING FACTORY INSTALLED ODOMETER PARCOURS DÉTERMINÉ PAR LA LECTURE DE L'ODOMÈTRE POSÉ À L'USINE		3 HOURS HEURES @ \$ 2.00	6
MILEAGE IN LECTURE À L'ARRIVÉE <b>2988</b>		3 DAYS JOURS @ \$13.00	39
MILEAGE OUT LECTURE AU DÉPART <b>2826</b>		WEEKS SEMAINES @ \$	
MILES DRIVEN PARCOURS EN MILLES <b>162</b>		MILES MILLES @ 9	14.58
DEPOSIT - DÉPÔT \$		SUB SOUS - TOTAL	59.58
MAXIMUM PAYLOAD - TONN. MAX.		10%	5.95
AUTHORISATION FOR COLLISION DAMAGE WAIVER AUTORISATION POUR CLAUSE D'EXONÉRATION DE DOMMAGE PAR COLLISION		SUB SOUS - TOTAL	53.63
RENTED BY <b>Marcel Guiquet</b>		INTERCITY FEE FRAIS INTER-CITÉS	
RENTED BY LOUÉ PAR:		RENTAL CHARGE FRAIS DE LOCATION	53.63
RENTED BY LOUÉ PAR:		5% TAX TAXE	1.69
RENTED BY LOUÉ PAR:		COLLISION DAMAGE WAIVER FRAIS D'EXONÉRATION DE DOMMAGES PAR COLLISION	6.00
RENTED BY LOUÉ PAR:		TOTAL CHARGE TOTAL DES FRAIS	61.32
RENTED BY LOUÉ PAR:		LESS: GAS/REPAIRS MOINS: ESSENCE / RÉPARATION	2.70
RENTED BY LOUÉ PAR:		AMOUNT DUE MONTANT DÙ	64.07
RENTED BY LOUÉ PAR:		NET DUE → IN CANADIAN \$ FRAIS NET → EN \$ CANADIEN	64.07
RENTED BY LOUÉ PAR:		EXCHANGE RATE TAUX D'ÉCHANGE	
RENTED BY LOUÉ PAR:		IN YOUR CURRENCY MONNAIE ÉTRANGÈRE	
RENTED BY LOUÉ PAR:		REFUND RECEIVED BY REMBOURSEMENT REÇU PAR (SIGNATURE)	CASH CHEQUE CHANGE <b>X</b>
RENTED BY LOUÉ PAR:		COMPUTED BY - COMPIÉ PAR	
RENTED BY LOUÉ PAR:		PREPARED BY - PRÉPARÉ PAR <b>Desjardins</b>	POSTED - DRB - ENTRÉ DAY JOUR / MONTH MOIS
RENTED BY LOUÉ PAR:		CASH REFUND - REMBOURSEMENT COMPTANT GAS · REP · GAZ	

THIS IS YOUR ORIGINAL INVOICE  
CECI EST VOTRE FACTURE ORIGINALE

SETTLEMENT IS DUE UPON RECEIPT, AS NO STATEMENT WILL BE RENDERED.

VEUILLEZ RÉGLER SUR RÉCEPTION DE CETTE FACTURE, AUCUN ÉTAT DE COMPTE NE VOUS SERA ENVOYÉ.

PLEASE RETURN INVOICE - STUB BELOW WITH YOUR PAYMENT TO INSURE PROPER CREDIT

**Full**

**Tupco  
Cherry Creek  
Grp.**

**THANK YOU - MERCI**

AUTHORISATION FOR COLLISION DAMAGE WAIVER  
AUTORISATION POUR CLAUSE D'EXONÉRATION DE DOMMAGE PAR COLLISION

**Mr.**

**Marcel Guiquet**

VEUILLEZ RETOURNER CE TALON AVEC VOTRE REMISE AFIN QUE VOTRE COMPTE SOIT CRÉDITÉ

DETACH HERE  
VEUILLEZ DÉTACHER ICI

INVOICE - STUB  
FACTURE

PLEASE DETACH AND RETURN THIS STUB WITH YOUR PAYMENT IN THE ENCLOSED ENVELOPE

VEUILLEZ DÉTACHER ET RETOURNER CE TALON AVEC VOTRE REMISE DANS L'ENVELOPPE CI-INCLUSE

ORIGINAL INVOICE NO.  
NO FACTURE ORIGINALE

**C - 906393**

SHOW INVOICE NO. ON ALL CORRESPONDENCE  
MENTIONNER LE NO DE FACTURE DANS TOUTE CORRESPONDANCE

TO: →  
À  
**SYD SMITH U DRIVE LTD.**  
**459 VICTORIA STREET**  
**KAMLOOPS, B. C.**

PREPARED BY - PRÉPARÉ PAR  
**Desjardins**

NET DUE → IN CANADIAN \$ FRAIS NET → EN \$ CANADIEN	<b>64.07</b>
EXCHANGE RATE TAUX D'ÉCHANGE	
IN YOUR CURRENCY MONNAIE ÉTRANGÈRE	
REFUND RECEIVED BY REMBOURSEMENT REÇU PAR (SIGNATURE)	CASH CHEQUE CHANGE <b>X</b>
COMPUTED BY - COMPIÉ PAR	
PREPARED BY - PRÉPARÉ PAR <b>Desjardins</b>	POSTED - DRB - ENTRÉ DAY JOUR / MONTH MOIS
CASH REFUND - REMBOURSEMENT COMPTANT GAS · REP · GAZ	

RENTER: PLEASE READ TERMS AND CONDITIONS ON PAGE 1 (REVERSE)  
LOCATAIRE: VEUILLEZ LIRE LES CONDITIONS DE LA PAGE 1 (VERSO)

**#398 Tupco  
Cherry Creek**

EXPENSE ACCOUNT

DATE Oct. 24 1969

COMPANY CANNON-HICKS ASSOCIATES LTD OFFICE OR DIVISION

EXPENSE ACCOUNT OF MARCEL GUIQUET

PURPOSE OF TRIP TUPCO CLAIMS (Y.R. GRP) - CHERRY CR. - 12th E. SAVANNAH

PROJECT INCURRED FOR TUPCO MINES LTD.

RECORD OF TRAVEL

FROM	DATE	TIME	TO	DATE	TIME	FROM	DATE	TIME	TO	DATE	TIME
VAN	OCT 15	5:30 PM	KALOOPS	OCT 15	6:05 PM						
KALOOPS	OCT 16	7:00 AM	CLAIMS	OCT 16	8:00 PM						
CLAIMS	OCT 16	6:00 PM	CHERRY CR.	OCT 16	9 PM						

RECORD OF EXPENSES

DATE OF EXPENSE	FARES	PULLMAN	ROOM	MEALS	TAXIS	TIPS	TEL. & TEL.		SUNDRIES		ENTER-TAINING	TOTAL	
							TO	AMOUNT	ITEM	AMOUNT			
Oct. 15			10 00	} HARLEBY SINGLWR								10 00	
			21 30	} + SELF.								21 30	
									Gas (	3 30		3 30	
HOTEL BILL													
HOTEL BILL													
TOTAL			31 30								3 30	34 60	

NOTE: PARTICULARS OF ENTERTAINING EXPENSE TO BE RECORDED ON REVERSE SIDE.

SIGNED Marcel Guiguet

EXAMINED & CHECKED BY

RECOMMENDED FOR APPROVAL BY

FINALLY APPROVED BY

CHECK NO. 403

EXTENSIONS OK

ENTERED BY SM

CHARGE ACCOUNT Tupco Co

ADVANCE RECEIVED

EXPENSES PAID

BALANCE RTD. TO CO. OR OWING TO ME

SHULMAN, TUPPER, WORRALL, JONSSON & LAXTON  
BARRISTERS & SOLICITORS

TELEPHONE 683-9262  
AREA CODE 604  
CABLE ADDRESS "SHULTUP"

ISAAC SHULMAN  
CARL R. JONSSON  
KENNETH D. PAGE  
ROGER D. WALKER  
JAMES L.A. WALLACE

HAROLD TUPPER  
JOHN N. LAXTON  
LAWRENCE PAGE  
ROBERT W.V. DICKERSON

WILLIAM J. WORRALL  
MORLEY D. SHORTT  
PHILLIP J. DADSON  
LEO McGRADY

1710 BOARD OF TRADE TOWER  
1177 WEST HASTINGS STREET  
VANCOUVER 1, CANADA

REPLY ATTENTION OF Lawrence Page

October 24th, 1969

Cannon-Hicks Associates Ltd.  
Ste. 713 - 744 West Hastings  
Vancouver 1, B.C.

Attention: Mr. D. M. Cannon

Dear Sir:

Re: Tupco Mines Ltd. (NPL)

A Free Miners Certificate was purchased for the above noted company on September 22, 1969 under number 85110, and is valid until May 31st 1970.

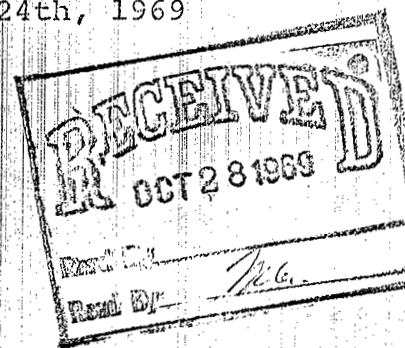
Yours truly,

SHULMAN, TUPPER & COMPANY



Lawrence Page

LP:jp









THE GOVERNMENT OF  
THE PROVINCE OF BRITISH COLUMBIA  
DEPARTMENT OF MINES  
AND PETROLEUM RESOURCES

RECORDED  
RECEIVED  
OCT 28 1969  
M.R. #.....\$  
VANCOUVER, B.C.

MINERAL ACT  
FORM B

**Affidavit on Application for Certificate of Work**

I, MARCEL GUIGUET Agent for TUPCO MINES LTD. (NPL)  
(Name.) (Name.)  
4539 WEST 7TH AVENUE, 1710-1177 W. HASTINGS ST.,  
(Address.) (Address.)  
VANCOUVER 8, B.C. VANCOUVER 1.  
Free Miner's Certificate No. 43043 Free Miner's Certificate No. 85110  
Date issued June 10th, 1969 Date issued September 22nd, 1969

make oath and say:—

I have done, or caused to be done, work on the CHERRY CREEK 2 GROUP of 32 Claims  
YR 1 - 8, YR 25-32, YR 51-66 Mineral Claim(s)  
Record No.(s) 73822-29, 73846-53, 73870-85  
situate at 12 miles east Savona on Trans-Canada highway  
in the KAMLOOPS Mining Division, to the value of at least  
\$3800.00  
~~one hundred~~ dollars, since the 28th day of October, 1968

The following is a detailed statement of such work:—

(Set out full particulars of the work done in the twelve months in which such work is required to be done.)

<u>A. Geological surveys</u>	<u>\$754.30</u>
<u>being that portion of \$1508.60</u>	
<u>Soil sampling (Contract) one half of 1397 samples</u>	<u>558.80</u>
<u>@ 80¢</u>	
<u>being that portion of \$1117.60</u>	
<u>Assaying one half of 1397 samples @ \$1.20 per sample</u>	<u>823.91</u>
	<u>SUB-TOTAL... 2137.01</u>
<u>B. Line Cutting (that portion of \$3510.00)</u>	<u>1755.00</u>
<u>Details of Personnel, Times &amp; Wages on attached sheet</u>	
	<u>TOTAL - \$3892.01</u>

A. 1 C/W on basis of Reports to apply on each of the foll. YR 1-8,  
YR 25-32, YR 51-55 (21 claims) *(Reports to follow within 3 weeks)*  
B. 1 C/W on basis of line cutting to apply on each of the foll. 15 claims  
YR 56-60. And 2 c/w on the basis line cutting on foll. 6 claims YR 25-30.

That I have not and will not use the work declared herein in any way for the purposes of obtaining tax exemption on a Crown-granted mineral claim under the terms of the *Taxation Act*.

SWORN and subscribed to at  
this ..... day of .....  
19....., before me—  
\*

*Marcel Guiguet*  
MARCEL GUIGUET

\* This affidavit may be taken by a person empowered to take affidavits by the Evidence Act of British Columbia.



DOMINION OF CANADA:  
PROVINCE OF BRITISH COLUMBIA.

In the Matter of

To Wit:

I, ERIC J. NYE

of Vancouver, British Columbia

in the Province of British Columbia, do solemnly declare that the following statement of expenditures on behalf of TUPCO MINES LTD., NPL, on their Cherry Creek claim, groups 1 and 2, near Savona, B. C., is correct:

<u>LINE CUTTING AND SOIL SAMPLING</u>			
Line Cutting (detail attached)			\$3,510.00
Soil Sampling, Amex Exploration Services Ltd., (contractor) (detail attached)			1,117.60
<u>ASSAYING SOIL SAMPLES</u>			
Bondar Clegg & Co. Ltd. (detail attached)			1,647.82
<u>GEOLOGY</u>			
<u>Supervision</u>			
D. M. Cannon, P.Eng.	1 day @ \$200.00	\$200.00	
M. Guiguet, Geologist	3 days @ \$125.00	<u>375.00</u>	575.00
<u>Consultant</u>			
H. Sargent, P.Eng.	Consulting fee	<u>250.00</u>	250.00
<u>Field Geologists</u>			
A.J. Deevy, Geologist, M.Sc.	Sept. 3, 4, 5, 6, 8, 10, 19	245.00	
P. Ropp, Geologist, B.Sc.	Sept. 3, 4, 5, 6, 8, 19	<u>120.00</u>	365.00
<u>EXPENSES</u>			
Syd Smith, U-Drive		64.00	
A.J. Deevy, expense a/c		220.00	
M. Guiguet, expense a/c		<u>34.60</u>	318.60
			<u>\$7,784.02</u>

And I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath and by virtue of the "Canada Evidence Act."

Declared before me at the City  
of Vancouver, in the  
Province of British Columbia, this seventeenth  
day of November, 1969, A.D.

*Eric J. Nye*

*[Signature]*  
A Commissioner for taking Affidavits within British Columbia or  
A Notary Public in and for the Province of British Columbia.

SEATON, PROMISLOW AND COMPANY  
850 West Hastings St.  
VANCOUVER 1, B. C.



THE GOVERNMENT OF  
THE PROVINCE OF BRITISH COLUMBIA

DEPARTMENT OF MINES  
AND PETROLEUM RESOURCES

MINERAL ACT  
FORM B

RECEIVED  
OCT 28 1969  
M.R. # \_\_\_\_\_ \$ \_\_\_\_\_  
VANCOUVER, B. C.

**Affidavit on Application for Certificate of Work**

I, MARCEL GUIGUET Agent for TUPCO MINES LTD. (NPL)  
(Name.) (Name.)  
4539 WEST 7TH AVENUE, 1710-1177 W. HASTINGS ST.,  
(Address.) (Address.)  
VANCOUVER 8, B.C. VANCOUVER 1.

Free Miner's Certificate No. 43043 Free Miner's Certificate No. 85110

Date issued June 10th, 1969. Date issued September 22nd, 1969

make oath and say:—

I have done, or caused to be done, work on the CHERRY CREEK 1 GROUP of 32 Claims  
YR 9 - 24, YR 33 - 48 Mineral Claim(s)

Record No.(s) 73830 - 45, 73855 - 70

situate at 12 miles east Savona on Trans Canada highway

in the Kamloops Mining Division, to the value of at least

~~\$3800.00~~ \$3800.00 dollars, since the 28th day of October, 1968.

The following is a detailed statement of such work:—

(Set out full particulars of the work done in the twelve months in which such work is required to be done.)

<u>A.</u>	<u>Geological surveys</u>	<u>\$754.30</u>
	being that portion of \$1508.60	
	one half of	
	Soil Sampling (Contract) 1397 samples @ 80¢	558.80
	being that portion of \$1117.60	
	Assaying One half of 1397 samples @ \$1.20 per sample	823.91
		SUB-TOTAL 2137.01
<u>B.</u>	<u>Line cutting - (that portion of \$3510.00)</u>	<u>1755.00</u>
	Details of Personnel & Times & Wages on attached sheet.	
	<b>TOTAL</b>	<b>\$3892.01</b>

A. 1 C/W on basis of Reports to apply on each of the foll. YR9-24 YR33-37 (21 cl.

B. 1 C/W on basis of line cutting to apply on each of foll. 5 claims YR38-42,

And 2 C/W on the basis line cutting on foll. 6 claims YR 43-48.

*(Reports to follow within 3 weeks approx. M.G.)*

That I have not and will not use the work declared herein in any way for the purposes of obtaining tax exemption on a Crown-granted mineral claim under the terms of the *Taxation Act*.

SWORN and subscribed to at \_\_\_\_\_

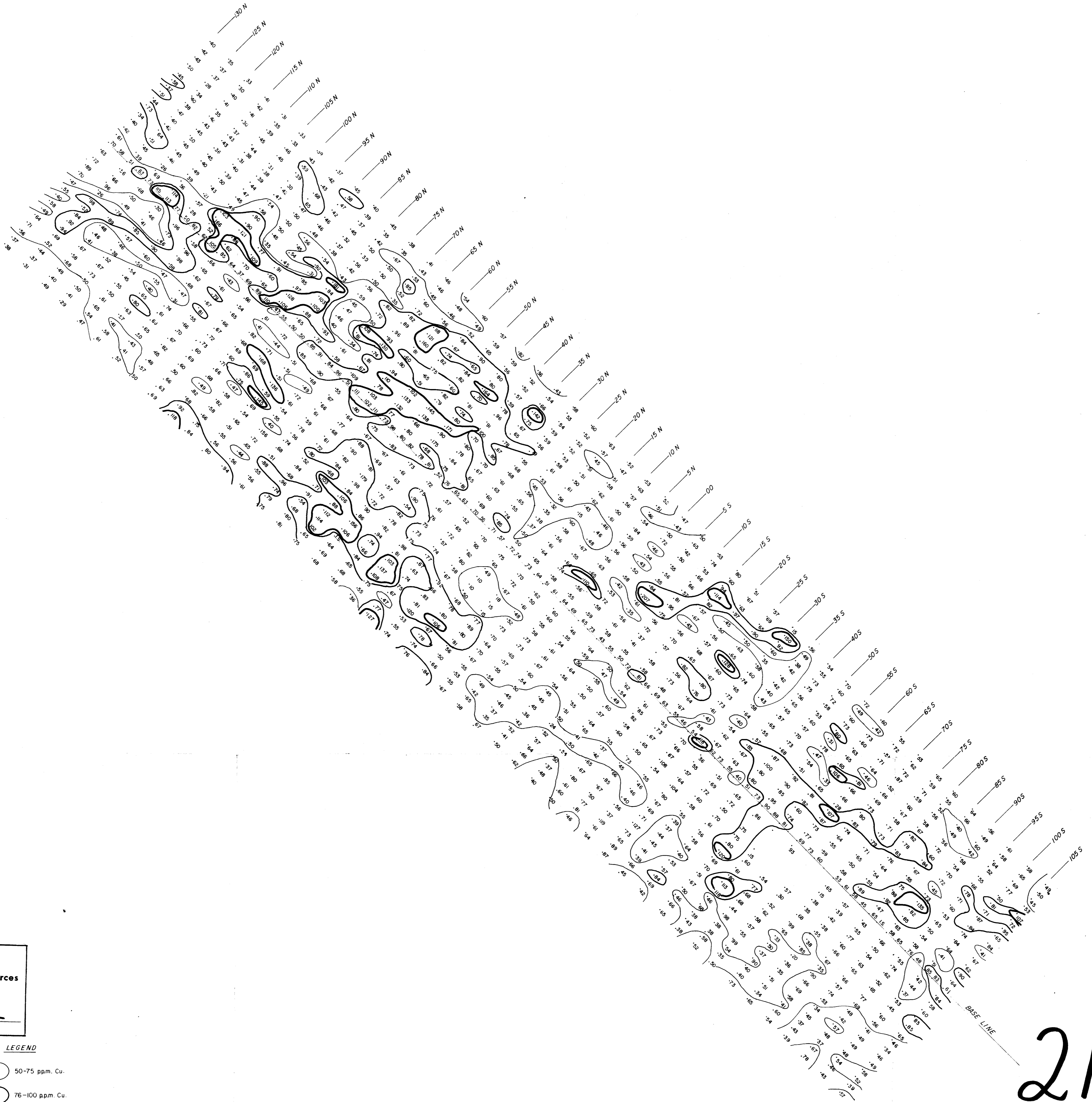
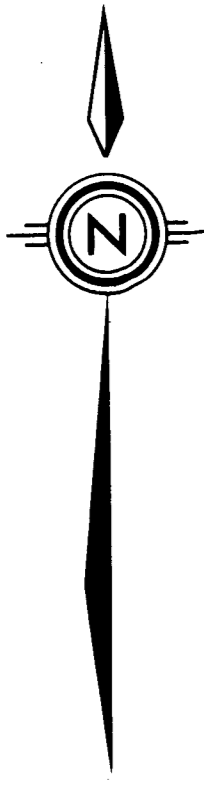
this \_\_\_\_\_ day of \_\_\_\_\_

19\_\_\_\_\_, before me—

\* \_\_\_\_\_




*Marcel Guiguet*  
MARCEL GUIGUET

\* This affidavit may be taken by a person empowered to take affidavits by the Evidence Act of British Columbia.

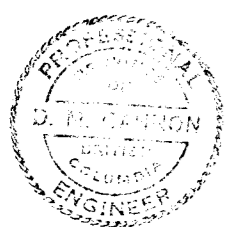


Department of  
and Petroleum Resources  
ASSESSMENT REPORT  
NO. 2138 MAP #2

LEGEND

-  50-75 ppm. Cu.
-  76-100 ppm. Cu.
-  101+ ppm. Cu.

Note:  
WORK DIRECTED BY M. GUIGUET GEOLOGIST  
SUPERVISED BY D.M. CANNON P.ENG.



2138

CANNON-HICKS ASSOCIATES LTD.  
TUPCO MINES LTD. (N.P.L.)  
**GEOCHEMICAL MAP**  
CHERRY CREEK GROUP OF CLAIMS  
HIGHLAND VALLEY AREA, B.C.

SCALE  
FEET 2000 1000 0 1000 2000 FEET

NOV-1969



- LEGEND**
- GEOLOGY**
- 6 Coarse Fragmental
  - 5 Tuff
  - 4 Andesite
  - 3 Breccia
  - 2 Rhyolite
  - 1 Copper mineralization
- ABBREVIATIONS**
- And Andesite
  - CF Coarse Fragmental
  - Py Pyrite
  - Ch Chalcopyrite
  - oc Outcrop
- SYMBOLS**
- A-2 Specimen number
  - Claim post
  - - - Joints
  - K-24 ROCK SPECIMENS
  - MG-1
  - HS-2

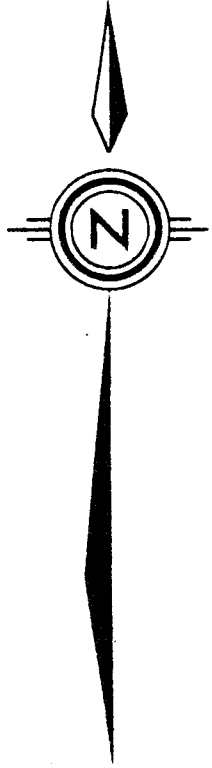
Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. 2138 M.P. #1

H. Sargent  
15 Nov. 1969

2138

CANNON HICKS ASSOCIATES LTD.  
TUPCO MINES LTD. (N.P.L.)  
**GEOLOGICAL MAP**  
CHERRY CREEK GROUP OF CLAIMS  
HIGHLAND VALLEY AREA, B.C.

SCALE  
FEET 2000 1000 0 1000 2000 FEET  
A.J. DEEVEY SEPT 1969



Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. 2138 MAP #3

GRID SYSTEM  
**TUPCO MINES LTD. (N.P.L.)**  
CHERRY CREEK PROPERTY, HIGHLAND VALLEY AREA  
SCALE: 1" = 1000'

2138

CLAIM REFERENCE MAP 921/10E.

AMEX EXPLORATION SERVICES LTD., KAMLOOPS, B.C., OCTOBER 1969.