1764

Report

on

GEOLOGICAL MAPPING

THOR AND HOBO CLAIMS

RUBY CREEK - BOULDER CREEK

ATLIN MINING DIVISION

B. C.

(Claims are located in the Atlin Quadrangle
15 miles NE Atlin 59° N 133° W S.E.)

owned by

Canadian Johns-Manville Company Ltd.
Box 1500
Asbestos, Quebec.

Mapping: June 12- September 2, 1968.

Report: October 15, 1968.

N.Clive Aspinall
Canadian Johns-Manville Co.
Atlin, B.C.

NOTE

MAPPING WAS CARRIED OUT ON MINERAL CLAIMS HOBO # 3, 7 , 8 AND THOR # 9 . ASSESSMENT WORK CARRIED OUT ON THESE CLAIMS IS BEING FILED AGAINST THE HOBO THOR GROUP OF CLAIMS.

INDEX

MAPS:

Map #1. South West Ridge Zone, Part of Hobo 3 Claim. Molybdenum Mountain, Ruby Creek, Atlin, B.C. 1

Map #2. North East Ridge Zone, Part of Hobo #3. Molybdenum Mountain, Ruby Creek, Atlin, B.C. 2

Map #3. Hobo Claims 7 and 8. Assessment Work. 3

Map #4. Hobo Claims 7 and 8,. Assessment Work. 4

Map #5. A&B. # Quartz Vein, Ruby Creek. 5 & 6

PROPERTY AND OWNERSHIP

Canadian Johns-Manville Co. Ltd. , Box 1500, Asbestos, Quebec, have staked and are the owners of 120 full Mineral Claims and 4 Mineral Claim Fractions covering three major and several minor showings of Molybdenum, at the headwaters of Ruby Creek.

The majority of these claims are known as the Hobo Group, the minority, twelve, are known as the Thor Group. These claim groups are physically adjacent to each other and were staked between September 11, 1967 and October 10, 1968. Hobo 3 and Hobo 7 and 8 were staked on September 11, and 15, 1967, respectively, and all three claims were recorded in Atlin on September 15, 1967. Thor 9 was staked and recorded on June 26, 1968.

Fifty adjoining claims to the North of the Hobo-Thor Group are owned by Adanac Mining and Exploration Ltd. (N.P.L.)

LOCATION

The Geographical location of the property is 59°43'N and 133°25' W. (Re. Atlin Map Sheet 104N). The property is located at the source of Ruby Creek, 4 miles North of Surprise Lake, in the North Western Corner of British Columbia. The community of Atlin is the closest inhabited area and is situated 15 miles S.W. of the property.

Access to the property can be made by a 25 mile road from Atlin. The closest Railway Station is at Carcross in

Location cont'd.

in the Yukon Territory, located 94 road miles N.W. of Atlin.

Geography of the Area:

Topography:

The Hobo-Thor Group of Claims are situated in mountainous terrain at the headwaters of Ruby Creek. The Southern part of the Claim Group is extended over the source tributaries of Boulder Creek.

The mountains in the area generally have peaks over 6,000'. The Ruby Creek Valley is a wide U-shaped glaciated valley and is drained all year around.

Climate and Vegetation:

The writers observations over two summers suggest that the headwaters of Boulder and Ruby Creeks are free of snow from the beginning of July to the beginning of September. The mean summer temperature is generally about 50° and rain showers are frequent.

The upper Ruby Creek area, for the main part, is above the tree line. Alpine grass and wild flowers grow on the S and SE slopes while in the valleys, buckbrush and some willows prevail. Scattered groups of conifers are present along some of the valley sides.

GEOLOGY OF THE GENERAL AREA

Outcrop Exposures:

Outcrop exposures are concentrated along the crests of the mountain ridges , around cirque/ walls, and at the

headwaters of tributary creeks. Scattered outcrops are noted on thes sides of the valley exposed through the talus. Talus and alpine soils cover most of the mountain slopes on the South and South East and South West sides, while talus covers most of the slopes facing the North, North East and North West. Glacial drift covers most of the valley floor.

Rock types:

Rock types that underly the Hobo-Thor Claim Group are essentially coarse to medium grained Alaskites (Cretaceous) which grade into smoky Quarts Porphyries, Quartz-Feldspar Porphyries, Feldspar Porpheries and Aplites. Sericitized Alaskites are observed associated with a Wolframite Quarts vein and shear zone on Thor # 9 (Re. Map # 5). Kaolinised and Greisen zones are noted within the Alaskite rocks on Hobo #3. (Re Map #1,#2.).

Rock types in the vicinity of the claims are fine to medium gtained grey Granites (Jurassic?), Cache Creek meta-sediments and Greenstones, intruded by Serpentinised Peridotites (Permain?), and Scoriaceous Basalts (Pleistocene).

GEOLOGICAL MAPPING

Hobo #3 (Re Maps 1 and 2).

Hobo # 3 Mineral Claim covers a N.E. end of a ridge which is the eastern part of a cirque in which Ruby Creek originates. This N.E. section of the ridge bears a Molybdenum showing and from henceforth in this report,shall be refered to as Molybdenum Mt. Mapping of the crest and the

N.E. slope of Mo Mt was carried out and completed by the writer assisted by Heinz Wiebel of Atlin. The area is covered by two map sheets,(Maps 1,2) at a scale of 1"= 20'.

A baseline along the crest of the ridge was surveyed by Brunton Compass and 100' tape. The baseline extends from station 0+00 to station 7+00, bearing 215°S.W., and from station 0+00 to station 8+00 bearing 35°N.E. Stations were measured off every 100' and offset lines were surveyed in at right angles to the baseline. Offset lines extended from 200' to 400'. All points located on either side of the baseline were adjusted according to the slope angle.

Topography:

Molybdenum Mountain has an elevation of 5,760' and is above timberline. The North, North West, and North East are the steepest slopes varying from 34°-45°, and these slopes are covered by unstable talus slopes. Outcrops are concentrated towards the crest of the mountain and above the talus slopes, but some are exposed through the talus at lower elevations. The East and South East slopes have a dip ranging from 20°to 35° and are almost completely covered by talus and alpine vegetation. Geological mapping was therefore done out in more detail in the North, North West and North East slopes than on the East, South East slopes.

GEOLOGY

Rock Types:

The rock types studied on Hobo #3, as all other rock types covered by this report, were studied in the field and under a handlense. The rocks on Mo T. range from coarse grained Alaskites through to variable Quartz-Feldspar Porphyries to Aplites. The Alaskites consist of light brown to grey rocks in color, and fresh samples are not easily gained. It is inequigranular, has abundant smoky Quartz, is composed, for the main part, of the two Feldspars. Lack of color contrast between the two feldspars makes interpretation between the two difficult. Scattered Biotite occurs within the Alaskite. The Alaskite was noted to become pegmatitic in some areas immediately adjacent to Quartz veins.

The Alaskites frade into smoky Quartz Porphyries which is far more predominant than the Feldspar Porphyries. The smoky Quartz Porphyryshas a weathered surface ranging from buckskin tan through to dull grey. The fresh surfaces range from light grey through to cream yellow and has fine-medium grained aplitic matrix similar to fine-medium grained Grand Canyon Sandstone with scattered rounded smoky to translucent Quartz Phenocrysts having a diameter up to 3/16 of an inch.

The Aplites are essentially similar to the Porphyries except they have no phenocrysts, and hence have an even texture. The smoky Qtz Porphyries and the Aplites appeared to be concentrated on the North and North East crest of Mo

Mountain. Elsewhere the Alaskites are predominant.

Mild shearing is noted in the largest gully 120' SE of the baseline, (Re. Map #2). Mild shearing is suggested along the altered Kaolinized zone just NW of stations 0+00 and 1+00 SW. No major faults were detected. A minor slip fault to the NE is suggested at J-74. (Re map #1).

JOINTING

Jointing on the crest and NE slope of Mo Mt. trends NE. Dips of the joints vary from 19^{o}-60^{o} to the NW, to 29^{o} -45^{o} to the SE. In some zones the jointing becomes irregular giving a blocky appearance to the area.

MINERALIZATION

Molybdenum occurs far more frequently than any other metalliferous mineral on Molybdenum Mountain. Lead, Silver, Arsenopyrite, Wolframite as well as traces of Uranium have been found to a much lesser degree.

Molybdenum mineralization occurs in or associated with Quartz veins. This Quartz is a dull milky to smoky to trans-lucent type, and has a crystalline texture. This is by far the most common Quartz type on Mo Mt.

The Lead, Silver, Arsenopyrite, Wolframite mineralization is associated in Quartz veins also. The Quartz in these veins is a dull milky cryptocrystalline variety. Since this Quartz

variety is far less abundant than the former variety the associated minerals are correspondently less abundant. Mo is occasionally associated with the cryptocrystalline variety also.

The crystalline variety of quartz veins range in width from 1/16" to 6". The average width is 1" to 2" wide. The cryptocrystalline variety range in width from 2" to 12". (i.e. J 202, J 103, J 128, J 135, Re Maps 1,2,). The exposed length of all these veins is dependent on over-burden, talus, frostheave coverage etc. One vein has a maxium exposed length of 53'. (i.e. J-84A-C, Re Map #1, Vein system #1). The longest vein that could be traced intermittenantly was for 510' (i.e. J-71, to J-81, Re map #1 Vein system #3). Veins that could be traced along their strike are classified into nine vein systems. (Re Vein systems 1-5, 7-10, Maps 1,2,). Vein groups that could not be traced along their strike are classidied into two vein group systems. (Re. Vein Group Systems #6,#11, maps 1,2.). The strike and dip of these veins is variable. The trend is a NE strike (25° to 70° NE) with a NW dip (10°-70°). Molybdenum mineralisation appeared to be very erratic. Some localized zones contained massive rosettes and books of Molybdenum. (i.e. J-58, J-71, J-80, J-42-43, J-117A, J-126, Re Maps 1 and 2). Other veins showed closely spaced Mo. (i.e. J-96A, J-96D). While other veins (i.e. J-84A-C) contained erratic flakes of Mo along the strike. Mo invariably occured alone, but PbAg, As and/or U was sometimes associated within, (Refer to Notes on Maps 1,2).

Lead, Silver, Arsenopyrite occured associated together (i.e. in J-40, J-49, J-128, Re maps 1,2, and Assay Sheets). Wolframite occured associated with Molybdenum and sometimes alone. Kaolinization of the Quartz Porphyry was associated with two Quartz vein systems, (i.e. Vein systems 2 and 9, Re maps 1,2,). Greissenization was also observed at vein systems 7,8, and 9. Greissenized zones as well as micaceous rich zones show traces of tin. (Re. Assay Sheets.)

SAMPLING

Channel sampling was done along veins every 5 feet. Four samples were deposited in one sample and assayed as one sample to give the average result for every twenty feet.

The rock types were also sampled in one section, but t this was discontinued when results showed that mineralization was not disseminated. Talus samples were also collected NW of the baseline area.

Samples were assayed for Mo, W, Sn, Pb, Ag, Zn, Cu, Au, U, Ni, As, V, and Li. The Mo results are the most significant , averaging less than 0.2% Mo.

ECONOMICS:

The ration of Mo mineralized veins to barren rock as exposed on the surface of the mountain, appears too low to be considered economical. It is proposed that at least one vertical drill hole be put in, to evaluate the Mo mineraliz - ation beneath the surface.

GEOLOGICAL MAPPING HOBO #7 and #8, RE.MARS 3.4..

General:

This showing lies in a tributary creek 3,000' west of Hobo #3. It is located partly on Hobo #7 and partly on Adera #8 (Adamacs Property). Hobo #8 was briefly mapped due to its proximity to the showing.

The assignment of surveying and producing a Geological Map was given to Geological Assistant , Stan Wollen, assisted by Bryan Shore and supervised by the writer.

A 1,500' baseline was laid out bearing 55° SE, starting from the Final post of Hobo 7 and 8. Mapping was carried out on the 1";20' scale, and two maps were produced.

Topography:

This showing lies in a tributary creek in a glaciated U-shaped valley at the head of a cirque. The surrounding area is,for the main part, flat with some minor slopes towards the back of the cirque. A low angle dip slope trends to the NNE along which the tributary creek drains.

Geology:

The rock type in the tributary creek showing is pre-dominately Quartz Porphyry, similar to the Quartz Porphyry described on Hobo #3.

Jointing and Fractures:

Three sets of joints occur perpendicular to each other, giving the rock a blocky appearance. The first joint system is low angle, almost horizontal. The remaining joint sets

are steeply dipping to almost vertical. (Re map #3).

Mineralization:

Molybdenum is concentrated in silicified veinlets, (2mm-4 cm thick) along the horizontal fractured system. The steeply dipping joints showed on the surface neither silicication or Molybdenum. The Mo on the horizontal fracture surface occurs as Molybdenum Sulphide, as well as Ferromoly-bdite (Moly Ochre).

Sampling:

Silicified Quartz from the horizontal fractures was samples. Four samples were collected from each fracture plane within a radius of 5 feet, and were deposited in one sample bag to be assayed as one sample. Eight Mo and W talus samples were collected from above the creek. (Re Map 4).

Economics:

Re: Assay Sheets:

The assays from this a sampling are considered low. However, most of the Mo from this creek appeared to have been erroded from off the horizontal fracture planes, so it is likely that higher values could be achieved below the surface.

It is recommended that further work should take place in the form of an Induced Polarization Survey, possibly followed by two reconnaisance drill holes.

GEOLOGICAL MAPPING THOR #9

General; Re Map #5

Geological mapping on this claim was made on a Wolframite Quartz vein. This Quartz vein is located 3,000' SSE of Mo Mt. in a tributary creek, draining a NE facing cirque valley. This

Quartz vein was mapped by Stan Wollen, assisted by Bryan Shore. A 1,300' baseline was surveyed out along the NW side of the creek where the vein is exposed.

Topography:

The topography in the valley is low hummocky relief, common to many cirque valleys in Northern B.C. The cirque is bordered by Mo Mountain ridge on the NW and by Ruby Mt. to the South.

Geology:

The Quartz vein is 900' long, has an average width of 5' -10' and has inclusions of Sericitized Alaskite. The Quartz is essentially the Cryptocrystalline milky type and has rich iron oxide stains on its weathered surface. The fresh Quartz surface is occasionally stained light green, indicating Arsenic or possibly the secondary Uranium Zeunerite. The strike of the vein is to the NE-SW, having an apparent steep dip to the NW.

It is possible that this vein continues 5000' along the strike to the SW to the No 5 zone adit driven by Trans Contin -ental Resources in 1952. (Re Aitken, Memoir 307, p 72). It is not certain how far this vein continues to the Ne. Wolframite occurs erratically along the strike of the exposed vein as small pods up to 2" in diameter.

Sampling:

Twenty-five channel samples (SIR series) were collected from this vein, and showed only traces of W, U_3O_8, as well as low Mo values.

Economics:

Wolframite was observed visually in the Qtz vein, as well as two localized zones of Mo. This vein is not considered economical for Wolframite, since this mineral is too erratic and is sparsely concentrated. No more work is considered practical on this Quartz vein at the present time.

Clive Pelpinell

APPENDIX I

Statement of Qualifications.

STATEMENT OF QUALIFICATIONS

I, Nicholas Clive Aspinall , do hereby certify that;

1) I am a geologist employed by Canadian Johns-Manville Co.Ltd. Box 1500, Asbestos, Quebec.

2) I am a graduate of McGill University, Montreal, with a B. Sc. in Geology, 1964.

3) I do not have any interest in the Hobo-Thor Claim Group, nor do I expect to receive any.

4) This report is based on field observations, and Assay Results.

Clive Aspinall

N. Clive Aspinall
Canadian Johns-Manville Co. Ltd.
Box 69
Atlin, B.C.

October 15, 1968

APPENDIX II

Costs of Mapping and Assaying
for Application to Assessment
Work on Thor and Hobo Claims
Atlin Mining Division
B.C.

MAPPING COSTS

Geologists:

1) N. Clive Aspinall, B.Sc.
Canadian Johns-Manville Co.Ltd.
Atlin, B.C.

Twenty days, mapping , sampling, drafting of maps 1 and 2, @ $30 per day. $600.00

2) Stan R.Wollen, Geological Student
University of Saskatchewan
Saskatoon, Sask.
18 days of mapping, sampling, and drafting of maps 3,4,5.
@ $23 per day. $414.00

Assistants:

1) Bryan Shore
Atlin, B.C.
12 days @ $20 per day $240.00

2) Heinz Weibel
Atlin, B.C.
9 days @ $10 per day ..... $ 90.00

Work carried out between June 12- September 2, 1968.

LIVING EXPENSES

Room and Board:

N. Clive Aspinall, 20 days @ $10 per day ..... $ 200.00

Stan R. Wollen, 18 days @ $10 per day ..... $ 180.00

Transportation:

N. Clive Aspinall, 1/3/ of air fare
Vancouver-Atlin, return ..... $ 55.00

Stan R. Wollen, 1/3 of air fare ,
Calgary-Atlin, return ..... $ 65.00

Local Transportation, Atlin to Ruby-Boulder Creek, 50 miles per day	$ 50.00
Estimate Assay Costs	$2,300.00
Grand Total	$ 4,134.00

Cline Aspinall

ADDENDUM TO BE INCLUDED IN:

REPORT ON GEOCHEMICAL INVESTIGATIONS

THOR AND HOBO CLAIMS, RUBY CREEK-BOULDER CREEK

ATLIN MINING DIVISION, B. C.

for

Canadian Johns-Manville Company Ltd.
P.O. Box 1500
Asbestos, P.Q.

by

F. D. Forgeron, Ph. D.
Bondar-Clegg & Company Ltd.,
Vancouver, B.C.

ON:
October 5, 1968

This addendum is written in response to a query on mobilization and demobilization costs by the Department of Mines and Petroleum Resources of British Columbia.

1. Breakdown of Costs for Mobilization & Demobilization

Air fare from Vancouver - Whitehorse, return for sampling crew (2 men)	$ 332.00
Air fare for F.D.Forgeron, Vancouver - Whitehorse (initiative and orientation at cost)	166.00
Air fare Whitehorse - Atlin (2 trips)	200.00
Taxis and gratuitity - Vancouver Airport ...	8.00
Taxis and gratuitity - Whitehorse Airport ..	10.00
TOTAL	$ 716.00

2. Application to Assessment Work:

The costs of the survey reported constitute an estimated 25% to 30% of total crew effort.

A 25% application gives	$ 179.00
A 30% application gives	214.80
Estimated costs submitted	200.00

F. D. Forgeron, Ph. D.
Bondar-Clegg & Company Ltd.
Vancouver, B.C.

APPENDIX III

(a) Statement declaring to which claims Geological work applies.

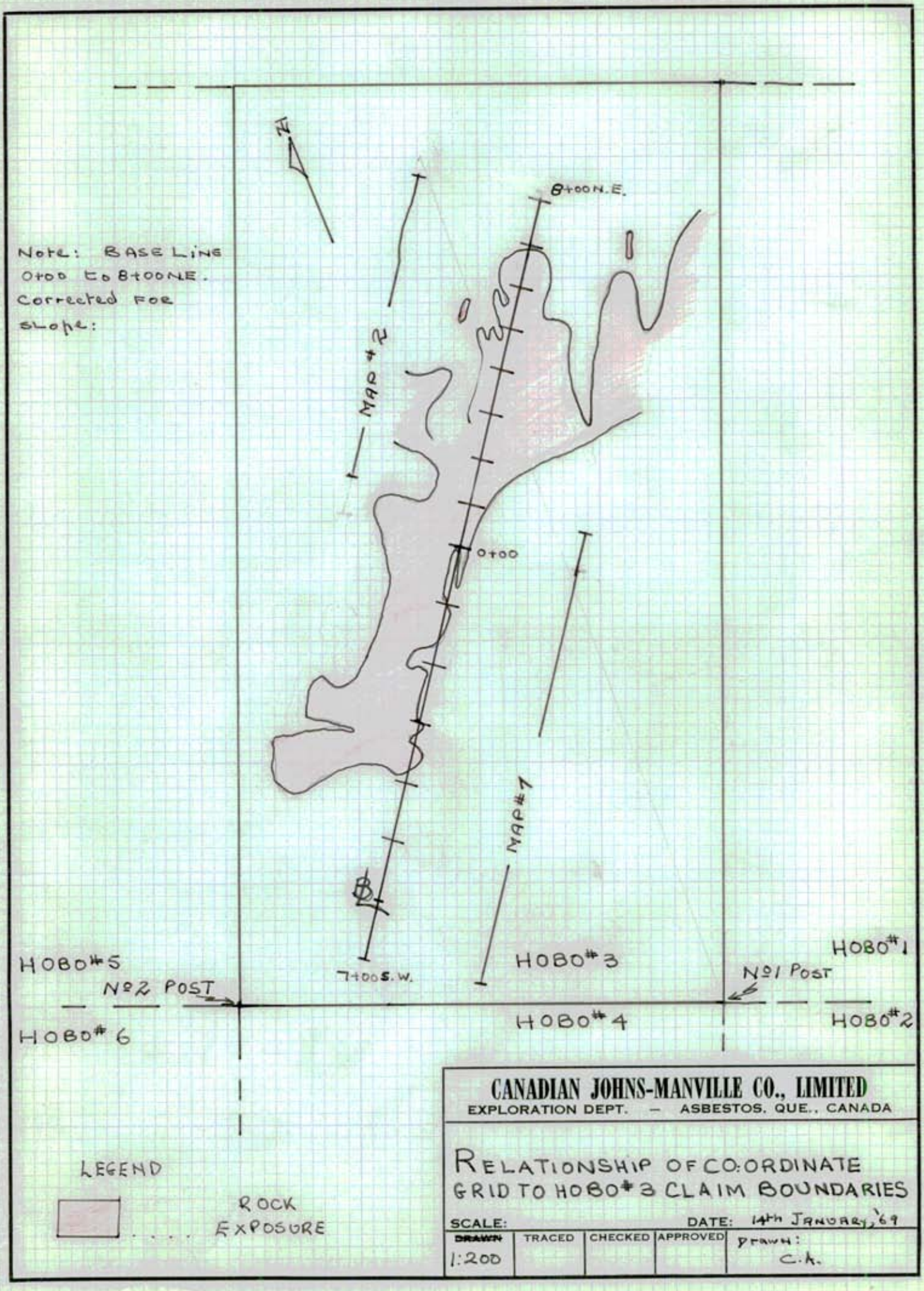
(b) Statement declaring to which claims Geochemical work applies.

(c) Statement declaring to which claims Physical work applies.

(a) Geological work applies to Hobo 3,7,8, Thor 9.

(b) Geochemical work applies to, Hobo 1,5,7,8,9,10, 11,12,20,22,43,45,47,53,54,. Thor 2,5,7,9.

(c) Physical work (road building) applies to, Hobo 3,4,6,13.


Note: BASE LINE 0+00 to 8+00NE. Corrected for slope:
N
8+00 N.E.
MAG #2
0+00
MAG #1
7+00 S.W.
HOBO#5
No2 POST
HOBO#6
HOBO#3
HOBO#1
No1 POST
HOBO#4
HOBO#2
LEGEND
ROCK EXPOSURE
CANADIAN JOHNS-MANVILLE CO., LIMITED
EXPLORATION DEPT. — ASBESTOS, QUE., CANADA
RELATIONSHIP OF CO-ORDINATE GRID TO HOBO#3 CLAIM BOUNDARIES
SCALE:
DATE: 14th JANUARY, '69
DRAWN
TRACED
CHECKED
APPROVED
1:200
DRAWN: C.A.

TO:

Mr. Clive Aspinall
c/o General Delivery
Atlin, B.C.
cc:
Dr. E.L. Mann
c/o Canadian Johns Manville Co. Ltd.,
P.O. Box 1500
Asbestos, P.Q.

T2103 Samples NW of Boulder on map #1. not located on map.

Certificate of Assay

COAST ELDRIDGE

PROFESSIONAL SERVICES DIVISION

WARNOCK HERSEY INTERNATIONAL LIMITED

125 EAST 4TH AVE. VANCOUVER 10, B.C., CANADA

CTA

PHONE: (604) 876-4111
TELEX: 04-50353
CABLE ADDRESS: ELDRICO

FILE NO. A.3-A.1-68-242

DATE July 19, 1968

We Hereby Certify *that the following are the results of assays made by us upon submitted* ORE *samples*

MARKED	GOLD		SILVER	Lead (Pb)	Zinc (Zn)	Copper (Cu)	Total Molybdenum (Mo)	Nickel (Ni)	Tin (Sn)
	OUNCES PER TON	VALUE PER TON	OUNCES PER TON	PER CENT.	PER CENT.	PER CENT.	PER CENT.	PER CENT.	PER CENT.
		$							
6954	Trace	-	5.1	0.05	0.15	0.01	0.005		Trace
6955	0.01	0.35	0.2	0.05	0.05	0.04	0.005		0.01
6956	Trace	-	0.1	0.05	0.10	0.02	0.005		Trace
6957	0.01	0.35	0.1	0.05	0.05	0.04	0.005		0.01
6958						0.03	0.005		Trace
6959					0.40	0.03		Trace	
6960			1.3	0.05		1.01	0.01	Trace	
6961	Trace	-	0.1	0.05		0.06	0.005		Trace
6962	0.29	10.15	7.6	0.05		0.07	0.005		0.01
6963	0.01	0.35	0.4	0.05		0.03	0.005		Trace
6964	0.02	0.70	0.5	0.05		0.85	0.005		Trace
6965	0.01	0.35	20.1	0.35		0.07	0.005		Trace
6966	Trace	-	0.4	0.05	0.05	0.21	0.005		Trace

Gold calculated at $ ..... *per ounce*

Note. Rejects retained one week.
Pulps retained one month.
Pulps and rejects may be stored for a maximum of one year by special arrangement.

Unless it is specifically stated otherwise, gold and silver values reported on these sheets have not been adjusted to compensate for losses and gains inherent in the fire assay process.

/jp

H. Shanks

Provincial Assayer

TO:

Mr. Clive Aspinall (2)

PHONE: (604) 876-4111
TELEX: 04-50353
CABLE ADDRESS:
ELDRICO

Certificate of Assay

COAST ELDRIDGE

PROFESSIONAL SERVICES DIVISION
WARNOCK HERSEY INTERNATIONAL LIMITED
125 EAST 4TH AVE. VANCOUVER 10, B.C., CANADA

FILE NO. A.3-A.1-68-242

DATE July 19, 1968

We Hereby Certify *that the following are the results of assays made by us upon submitted* ORE *samples*

MARKED	GOLD		SILVER	Tungsten	Chemical Uranium	Columbium	Vanadium	Lithium	
	OUNCES PER TON	VALUE PER TON	OUNCES PER TON	PER CENT (WO_3)	PER CENT (U_3O_8)	(Nb_2O_5) PER CENT.	(V_2O_5) PER CENT.	(Li_2O) PER CENT.	PER CENT.
		$							
6954				Trace	Trace				
6955				3.16	Trace	0.01	Trace	Trace	
6956				0.10	Trace	Trace	0.01		
6957				1.64	Trace				
6958				0.16		Trace	Trace		
6959									
6960									
6961				Trace					
6962				1.20	Trace				
6963				0.12	Trace				
6964				0.05	Trace				
6965				0.07	Trace				
6966				Trace	Trace				

Gold calculated at $ ..... per ounce

Note. Rejects retained one week.
Pulps retained one month.
Pulps and rejects may be stored for a maximum of one year by special arrangement.

Unless it is specifically stated otherwise, gold and silver values reported on these sheets have not been adjusted to compensate for losses and gains inherent in the fire assay process.

H. Pawlyk

Provincial Assayer

WARNOCK HERSEY INTERNATIONAL LIMITED •

COAST ELDRIDGE PROFESSIONAL SERVICES DIVISION

125 East 4th Ave., Vancouver 10, B.C. Phone 876-4111 — Telex 04-50353

DATE	CLIENT'S ORDER NO.	CODE	OUR ORDER NO.	CLIENT NO.
July 19, 1968		3100	242	

INVOICE TO

Mr. Clive Aspinall
c/o General Delivery
Atlin, B.C.

REPORTED TO

DATE OF REPORT	REPORT NO.			
July 19		10 assays for gold/silver @ $ 5.00 each	$ 50.00	
		1 assay for silver @ $ 3.50 each	3.50	
		11 assays for lead @ $ 4.50 each	49.50	
		6 assays for zinc @ $ 4.50 each	27.00	
		13 assays for copper @ $ 3.00 each	39.00	
		12 assays for molybdenum @ $ 5.00 each	60.00	
		2 assays for nickel @ $ 5.00 each	10.00	
		11 assays for tin @ $ 8.00 each	88.00	
		9 assays for uranium @ $ 12.00 each	108.00	
		3 assays for columbium @ $ 10.00 each	30.00	
		3 assays for vanadium @ $ 8.00 each	24.00	
		1 assay for lithium @ $ 10.00 each	10.00	
			587.00	
		less 10% discount	58.70	
		TOTAL		$ 528.30

INVOICE NO. 31792

THIS IS AN ACCOUNT FOR PROFESSIONAL SERVICES AND IS DUE ON PRESENTATION
PLEASE REMIT TO: 125 EAST 4th. AVE.,VANCOUVER 10, B.C.

TO:

Canadian John Manville Co.,
Box 1500 Asbestos,
Quebec

cc: Cline Aspinall,
Atlin, B. C.

Re mwf #1

CTA

PHONE: (604) 876-4111
TELEX: 04-50353
CABLE ADDRESS:
ELDRICO

Certificate of Assay

COAST ELDRIDGE

PROFESSIONAL SERVICES DIVISION

WARNOCK HERSEY INTERNATIONAL LIMITED
125 EAST 4TH AVE. VANCOUVER 10, B.C., CANADA

FILE NO. A.3-C.1-68-788

DATE August 23, 1968

We Hereby Certify *that the following are the results of assays made by us upon submitted* Ore *samples*

MARKED	GOLD		SILVER	Total Molybdenum	Tin (Sn)	Tungsten	Copper (Cu)	Lead (Pb)	Chemical Uranium	Arsen
	OUNCES PER TON	VALUE PER TON	OUNCES PER TON	PER CENT. (Mo)	PER CENT.	PER CENT. (WO_3)	PER CENT.	PER CENT.	PER CENT. (U_3O_8)	Per Cent
		$								(As)
J-39			1.04	0.01	0.01	Trace	0.03	1.77		
J-40			3.48	0.37	0.03	Trace		2.01		3.10
J-41				0.19	0.01	Trace				
J-42				0.20	0.005	Trace				
J-43			1.02	0.06	Trace	Trace	0.02	0.10		
J-44				0.09	Trace	Trace				
J-45				0.02	Trace	Trace				
J-46	Trace			0.60	0.01	Trace	0.02			
J-47			0.42	0.05	0.02	Trace		0.10		
J-48			0.10	0.19	0.01	Trace		0.05		
J-49			1.03	0.035	Trace	Trace		0.05	Trace	6.35
J-50				0.01	Trace	Trace				
J-51				0.11	0.01	Trace				
J-52				0.04	Trace	Trace				
J-53	Trace		0.2	0.53	Trace	Trace	0.02	0.14		

Gold calculated at $ ..... per ounce

Note. Rejects retained one week.
Pulps retained one month.
Pulps and rejects may be stored for a maximum of one year by special arrangement.

Unless it is specifically stated otherwise, gold and silver values reported on these sheets have not been adjusted to compensate for losses and gains inherent in the fire assay process.

H. Shayler

Provincial Assayer

PHONE: (604) 876-4111
TELEX: 04-50353
CABLE ADDRESS:
ELDRICO

Canadian John Manville Co.

Certificate of Assay

COAST ELDRIDGE

PROFESSIONAL SERVICES DIVISION

WARNOCK HERSEY INTERNATIONAL LIMITED
125 EAST 4TH AVE. VANCOUVER 10, B.C., CANADA

FILE NO. A.3-C.1-68-788

DATE August 23, 1968

We Hereby Certify *that the following are the results of assays made by us upon submitted* Ore *samples*

MARKED	GOLD		SILVER	Total Molybdenum	Tin (Sn)	Tungsten	Copper (Cu)	Lead (Pb)	Chemical Uranium	Arsenic
	OUNCES PER TON	VALUE PER TON	OUNCES PER TON	PER CENT. (Mo)	PER CENT.	PER CENT. (WO_3)	PER CENT.	PER CENT.	(U_3O_8) PER CENT.	Per Cent (As)
		$								
J-54			0.3	0.07	Trace	Trace		0.10		0.1
J-55				0.06	Trace	Trace				
J-56				0.31	0.005	Trace				
J-57				0.02	Trace	Trace				
J-58	Trace		0.9	0.80	Trace	0.01	0.02	0.10		
J-59			0.22	0.12	Trace	Trace	0.02	0.11	Trace	0.0
J-60				0.02	Trace	Trace				
J-61				0.07						
J-62				0.25						

/cr

Gold calculated at $ ..... per ounce

Note. Rejects retained one week.
Pulps retained one month.
Pulps and rejects may be stored for a maximum of one year by special arrangement.

Unless it is specifically stated otherwise, gold and silver values reported on these sheets have not been adjusted to compensate for losses and gains inherent in the fire assay process.

H. Shaefer

Provincial Assayer

WARNOCK HERSEY INTERNATIONAL LIMITED •

COAST ELDRIDGE
PROFESSIONAL SERVICES DIVISION

125 East 4th Ave., Vancouver 10, B.C. Phone 876-4111 -- Telex 04-50353

DATE	CLIENT S ORDER NO.	CODE	OUR ORDER NO.	CLIENT NO.
August 23, 1968		460	788	3100

INVOICE TO

Canadian John Manville Co.
P.O. Box 1500
Asbestos, Quebec

REPORTED TO

DATE OF REPORT	REPORT NO.
Aug. 23	

2 assays for gold/silver @ $5.00 each	$ 10.00
8 assays for silver @ $ 3.50 each	28.00
1 assay for gold @ $ 3.50 each	3.50
24 assays for molybdenum @ $ 5.00 each	120.00
22 assays for tin @ $ 8.00 each	176.00
22 assays for tungsten @ $ 8.00 each	176.00
6 assays for copper @ $ 3.00 each	18.00
10 assays for lead @ $ 4.50 each	45.00
2 assays for uranium @ $ 12.00 each	24.00
4 assays for arsenic @ $ 8.00 each	32.00
	632.50
less 10% discount	63.25
TOTAL	$ 569.25

feedback sent
on 27th

RESPONSIBILITY Nickel
ACCOUNT NO. 27934
EXPLORATION PROJECT NO. 50
ENGINEERING PROJECT NO.
APPROVED FOR PAYMENT
APPROVED BY

INVOICE NO. 32458

THIS IS AN ACCOUNT FOR PROFESSIONAL SERVICES AND IS DUE ON PRESENTATION
PLEASE REMIT TO: 125 EAST 4th. AVE., VANCOUVER 10, B.C.

Talos Sample NW of Base Line Map #1

TO:

Bondar-Clegg & Co. Ltd.

1500 - Pemberton Avenue

N. Vancouver, B. C.

Z-1

Certificate of Assay

COAST ELDRIDGE

PROFESSIONAL SERVICES DIVISION

WARNOCK HERSEY INTERNATIONAL LIMITED

125 EAST 4TH AVE. VANCOUVER 10, B.C., CANADA

PHONE: (604) 876-4111
TELEX: 04-50353
CABLE ADDRESS: ELDRICO

FILE NO. A.3-B.3-68-42346

DATE June 27/ 68

Location not shown on map.

We Hereby Certify *that the following are the results of assays made by us upon submitted* ore *samples*

MARKED	GOLD		SILVER	Lead(Pb)	Zinc(Zn)	Copper(Cu)	Total Molybdenum (Mo)	Tin(Sn)	Arsenic (As)
	OUNCES PER TON	VALUE PER TON	OUNCES PER TON	PER CENT.	PER CENT.	PER CENT.	PER CENT.	PER CENT.	PER CENT.
Ore	0.03	$ 1.05	5.4	0.05	0.10	0.31	0.02	Trace	5.08

Cont. on page 2.

Gold calculated at $ ..... *per ounce*

Note. Rejects retained one week.
Pulps retained one month.
Pulps and rejects may be stored for a maximum of one year by special arrangement.

Unless it is specifically stated otherwise, gold and silver values reported on these sheets have not been adjusted to compensate for losses and gains inherent in the fire assay process.

H. Sawyer

Provincial Assayer

TO:

Bondar-Clegg & Co. Ltd.

Page 2.

Certificate of Assay

COAST ELDRIDGE

PROFESSIONAL SERVICES DIVISION

WARNOCK HERSEY INTERNATIONAL LIMITED

125 EAST 4TH AVE. VANCOUVER 10, B.C., CANADA

CTA

PHONE: (604) 876-4111
TELEX: 04-50353
CABLE ADDRESS: ELDRICO

FILE NO. A.3-B.3-68-42346

DATE June 27/68

We Hereby Certify *that the following are the results of assays made by us upon submitted* ore *samples*

Chemical

MARKED	GOLD		SILVER	Uranium (U_3O_8)	Tungsten (WO_3)				
	OUNCES PER TON	VALUE PER TON	OUNCES PER TON	PER CENT.	PER CENT.	PER CENT.	PER CENT.	PER CENT.	PER CENT.
Ore		$		Trace	0.02				

Gold calculated at $ ..... *per ounce*

Note. Rejects retained one week.
Pulps retained one month.
Pulps and rejects may be stored for a maximum of one year by special arrangement.

Unless it is specifically stated otherwise, gold and silver values reported on these sheets have not been adjusted to compensate for losses and gains inherent in the fire assay process.

H. Sayles

..... *Provincial Assayer*

Spectrographic Analysis
Not required. C.A.

PHONE: TRINITY 6-4111

CABLE ADDRESS "ELDRICO"

TO:

Bondar-Clegg & Co. Ltd.

1500 - Pemberton Avenue

North Vancouver, B. C.

J-1

FILE NO. S.3-B.3-68-42346

DATE June 27/68

SEMI QUANTITATIVE SPECTROGRAPHIC ANALYSES

COAST ELDRIDGE

ENGINEERS & CHEMISTS LTD.

125 EAST 4TH AVE. VANCOUVER 10, CANADA

We Hereby Certify that the following are the results of semi quantitative spectrographic analyses made on ore *samples submitted.*

SAMPLE IDENTIFICATION	Al	Sb	As	Ba	Be	Bi	B	Cd	Ca	Cr	Co	Cu	Ga	Au	Fe
	3.0	N.D.	Major	N.D.	N.D.	0.05	0.001	N.D.	0.5	N.D.	0.005	0.3	N.D.	Trace	Major

SAMPLE IDENTIFICATION	Pb	Mg	Mn	Mo	Nb	Ni	Si	Ag	Sr	Ta	Sn	Ti	W	V	Zn
	0.05	Major	0.01	0.01	N.D.	0.001	Matrix	0.01	0.005	N.D.	N.D.	0.2	N.D.	0.01	0.1

All results are expressed as percent by weight. Trace: detected but below normal spectrographic range.
Matrix: major constituent
Major: above normal spectrographic range.
N.D.: not detected.

Note: Rejects retained one week.
Pulps retained three months.

COAST ELDRIDGE ENGINEERS & CHEMISTS LTD.

CHIEF CHEMIST

C-95

Canadian John Manville Co. Ltd.
P. O. Box 1500
ASBESTOS, Quebec
ATTENTION: Mr. E. L. Mann

cc: Mr. Clive Aspinall
ATLIN, B. C.

Remap #3

Certificate of Assay

COAST ELDRIDGE
PROFESSIONAL SERVICES DIVISION
WARNOCK HERSEY INTERNATIONAL LIMITED
125 EAST 4TH AVE. VANCOUVER 10, B.C., CANADA

CTA

PHONE: (604) 876-4111
TELEX: 04-50953
CABLE ADDRESS: ELDRICO

FILE NO. A.3-C-68-1741

DATE Sept. 26, 1968

We Hereby Certify *that the following are the results of assays made by us upon submitted* ORE *samples*

MARKED	GOLD		SILVER	Total Molybdenum (Mo)					
	OUNCES PER TON	VALUE PER TON	OUNCES PER TON	PER CENT.	PER CENT.	PER CENT.	PER CENT.	PER CENT.	PER CENT.
		$							
SIR-63-7101				0.03					
7102				0.02					
7103				0.01					
7104				0.005					
7105				0.015					
SIR-68-7106				0.005					
13501-SIR-39				0.02					
13502				0.02					
13503				0.10					
13504				0.02					
13505				0.11					
13506				0.015					
13507				0.01					
13508				0.01					
13509				0.01					

/bg

Gold calculated at $ ..... per ounce

Note. Rejects retained one week.
Pulps retained one month.
Pulps and rejects may be stored for a maximum of one year by special arrangement.

Unless it is specifically stated otherwise, gold and silver values reported on these sheets have not been adjusted to compensate for losses and gains inherent in the fire assay process.

H. Shayler
Provincial Assayer

FORM 526 (REV. 5-68)

Canadian John Manville Co. Ltd. (2)

Certificate of Assay

COAST ELDRIDGE
PROFESSIONAL SERVICES DIVISION
WARNOCK HERSEY INTERNATIONAL LIMITED
125 EAST 4TH AVE. VANCOUVER 10, B.C., CANADA

PHONE: (604) 876-4111
TELEX: 04-50353
CABLE ADDRESS: ELDRICO

FILE NO. A.3-C-68-1741

DATE Sept. 26, 1968

We Hereby Certify *that the following are the results of assays made by us upon submitted* ORE *samples*

MARKED	GOLD		SILVER	Total Molybdenum (Mo)					
	OUNCES PER TON	VALUE PER TON	OUNCES PER TON	PER CENT.	PER CENT.	PER CENT.	PER CENT.	PER CENT.	PER CENT.
		$							
13510				0.01					
13511				0.045					
13512				0.005					
13513				0.01					
13514				0.02					
13515				0.015					
13516				0.005					
13517				0.035					
13518				0.02					
13519				0.02					
13520				0.06					
13521				0.04					
13522				0.02					
13523				0.02					
13524 • Sia-62				0.01					
13525 Sia-27				0.005					

/bg *Gold calculated at $ ..... per ounce*

Note. Rejects retained one week.
Pulps retained one month.
Pulps and rejects may be stored for a maximum of one year by special arrangement.

Unless it is specifically stated otherwise, gold and silver values reported on those sheets have not been adjusted to compensate for losses and gains inherent in the fire assay process.

H. Shayler
Provincial Assayer

FORM G36 (REV. 5-68)

WARNOCK HERSEY INTERNATIONAL LIMITED •

COAST ELDRIDGE PROFESSIONAL SERVICES DIVISION

125 East 4th Ave., Vancouver 10, B.C. Phone 876-4111 — Telex 04-50353

DATE	CLIENT'S ORDER NO.	CODE	OUR ORDER NO.	CLIENT NO.
September 25, 1968		460	1741	3100

INVOICE TO

Canadian John Manville Co. Ltd.,
P.O. Box 1500
Asbestos, Quebec

REPORTED TO

DATE OF REPORT	REPORT NO.		
Sept. 26		31 assays for molybdenum @ $ 5.00 each	$ 155.00
		less 10% discount	15.50
		TOTAL	$ 139.50

RESPONSIBILITY
ACCOUNT NO. 79731
EXPLORATION BUDGET NO. 60
ENGINEERING PROJECT NO.
APPROPRIATION
MINOR E.N.O.
APPROVED FOR PAYMENT

INVOICE NO. 33214

THIS IS AN ACCOUNT FOR PROFESSIONAL SERVICES AND IS DUE ON PRESENTATION
PLEASE REMIT TO. 125 EAST 4th. AVE., VANCOUVER 10, B.C.

Re Mah 1,2

TO:

Canadian John Manville Co. Ltd.,
P.O. Box 1500
Asbestos, Quebec
ATTENTION: Mr. E. L. Mann
cc:
Mr. Clive Aspinall
Atlin, B.C.

Certificate of Assay

COAST ELDRIDGE

PROFESSIONAL SERVICES DIVISION
WARNOCK HERSEY INTERNATIONAL LIMITED
125 EAST 4TH AVE. VANCOUVER 10, B.C., CANADA

CTA

PHONE: (604) 876-4111
TELEX: 04-50053
CABLE ADDRESS: ELDRICO

FILE NO. A.3-C.4-68-1598

DATE September 18, 1968

We Hereby Certify that the following are the results of assays made by us upon submitted ORE samples

MARKED	GOLD		SILVER	Total Molybdenum	Tungsten	Tin (Sn)	Lead (Pb)	Arsenic (As)	Chemical Uranium
	OUNCES PER TON	VALUE PER TON	OUNCES PER TON	PER CENT. (Mo)	PER CENT. (WO_3)	PER CENT.	PER CENT.	PER CENT.	PER CENT. (U_3O_8)
		$							
6651 J - 104 A				0.01	0.63	Trace			
6652 J - 104 B				0.005					
6653 J - 104 C				0.01					
6654 J - 104 D				0.005					
6655 J - 105				0.34		Trace			
6656 J - 106				0.035					
6657 J - 107				0.02					
6658 J - 108				0.05					
6659 J - 109				0.19					
6660 J - 111				0.22					
6661 J - 112				1.47					
6662 J - 113				0.13					
6663 J - 114			0.60	0.05	0.16		Trace	0.11	
6664 J - 117				1.34					
6665 J - 119				0.15					
				4 CPS/15 Au .564%					

Gold calculated at $ ..... per ounce

Total 23.468/93
Mo = .32 1/2 %

Note. Rejects retained one week.
Pulps retained one month.
Pulps and rejects may be stored for a maximum of one year by special arrangement.

Unless it is specifically stated otherwise, gold and silver values reported on these sheets have not been adjusted to compensate for losses and gains inherent in the fire assay process.

H. Sharpe
Provincial Assayer

FORM G96 (REV. 5-68)

Canadian John Manville Co. Ltd. (2)

COAST ELDRIDGE
PROFESSIONAL SERVICES DIVISION
WARNOCK HERSEY INTERNATIONAL LIMITED
125 EAST 4TH AVE. VANCOUVER 10, B.C., CANADA

PHONE: (604) 876-4111
TELEX: 04-50353
CABLE ADDRESS: ELDRICO

Certificate of Assay

FILE NO. A.3-C.4-68-1598

DATE September 18, 1968

We Hereby Certify that the following are the results of assays made by us upon submitted ORE samples

MARKED	GOLD		SILVER	Total Molybdenum	Tungsten	Tin (Sn)	Lead (Pb)	Arsenic (As)	Chemical Uranium (U_3O_8)
	OUNCES PER TON	VALUE PER TON	OUNCES PER TON	PER CENT (Mo)	PER CENT (WO_3)	PER CENT.	PER CENT.	PER CENT.	PER CENT.
6666 J - 118		$		0.36 —					
6667 J - 120				0.17					
6668 J - 121				0.08 —	Nodules, completed on map				
6669 J - 124				0.16 —					
6670 J - 123				1.19 —					
6671 J - 125				0.62 —					
6672 J - 126				6.45 —					
6673 J - 128			11.2	1.47 —	0.42		0.48	1.05	
6674 J - 129				0.67 —					
6701 J - 65				0.02					
6702 J - 66				0.02					
6703 J - 67				0.05					
6704 J - 69				0.025					
6705 J - 70				0.50 —					
6706 J - 71				0.045					
				11.8 sc/st 100 - 18½					

Gold calculated at $ ..... per ounce

Note. Rejects retained one week.
Pulps retained one month.
Pulps and rejects may be stored for a maximum of one year by special arrangement.

Unless it is specifically stated otherwise, gold and silver values reported on these sheets have not been adjusted to compensate for losses and gains inherent in the fire assay process.

H. Shayles

Provincial Assayer

FORM G06 (REV. 5-68)

Canadian John Manville Co. Ltd. (3)

Certificate of Assay

COAST ELDRIDGE
PROFESSIONAL SERVICES DIVISION
WARNOCK HERSEY INTERNATIONAL LIMITED
125 EAST 4TH AVE. VANCOUVER 10, B.C., CANADA

CTA

PHONE: (604) 876-4111
TELEX: 04-50353
CABLE ADDRESS: ELDRICO

FILE NO. A.3-C.4-68-1598

DATE September 18, 1968

We Hereby Certify *that the following are the results of assays made by us upon submitted* ORE *samples*

MARKED	GOLD		SILVER	Total Molybdenum	Tungsten	Tin (Sn)	Lead (Pb)	Arsenic (As)	Chemical Uranium (U_3O_8)
	OUNCES PER TON	VALUE PER TON	OUNCES PER TON	PER CENT. (Mo)	PER CENT. (WO_3)	PER CENT.	PER CENT.	PER CENT.	PER CENT.
		$							
6708 J - 72				0.55					
6709 J - 73				0.075					
6710 J - 74				0.11					
6711 J - 75				0.025					
6712 J - 76				0.065					
6713 J - 77				0.02					
6714 J - 78				0.015					
6715 J - 79				0.17					
6716 J - 80				0.065					
6717 J - 81				0.045					
6718 J - 82 A				0.05					
6719 J - 82 B				0.07					
6720 J - 83 A				0.93					
6721 J - 83 B				1.14	✓				
6722 J - 84 A				0.04					
				3-3 1/2					
				clo 115%					

Gold calculated at $ ..... per ounce

Note. Rejects retained one week.
Pulps retained one month.
Pulps and rejects may be stored for a maximum of one year by special arrangement.

Unless it is specifically stated otherwise, gold and silver values reported on these sheets have not been adjusted to compensate for losses and gains inherent in the fire assay process.

H. Hayes

Provincial Assayer

FORM G96 (REV. 5-68)

Canadian John Manville Co. Ltd. (4)

Certificate of Assay

COAST ELDRIDGE
PROFESSIONAL SERVICES DIVISION
WARNOCK HERSEY INTERNATIONAL LIMITED
125 EAST 4TH AVE. VANCOUVER 10, B.C., CANADA

CTA

PHONE: (604) 876-4111
TELEX: 04-50353
CABLE ADDRESS: ELDRICO

FILE NO. A.3-C.4-68-1598

DATE September 18, 1968

We Hereby Certify *that the following are the results of assays made by us upon submitted* ERE *samples*

MARKED	GOLD		SILVER	Total Molybdenum	Tungsten	Tin (Sn)	Lead (Pb)	Arsenic (As)	Chemical Uranium (U_3O_8)
	OUNCES PER TON	VALUE PER TON	OUNCES PER TON	PER CENT. (Mo)	PER CENT. (WO_3)	PER CENT.	PER CENT.	PER CENT.	PER CENT.
		$							
6723 J - 84 B				0.46					
6724 J - 84 C				0.16					
6725 J - 85				0.02					
6726 J - 86			0.35	0.01			Trace	0.72	
6727 J - 87				0.005					
6728 J - 90				0.01					
6729 J - 89				0.06		Trace			
6730 J - 91				0.005					
6731 J - 88				0.01					
6732 J - 92				0.005					
6733 J - 93				0.01					
6734 J - 94				0.03					
6735 J - 95				0.39					
6736 J - 96 A				0.90					
6737 J - 96 B				0.67	✓				
				2.745/1.5					
				Mo 183%					

Gold calculated at $ ..... per ounce

Note. Rejects retained one week.
Pulps retained one month.
Pulps and rejects may be stored for a maximum of one year by special arrangement.

Unless it is specifically stated otherwise, gold and silver values reported on these sheets have not been adjusted to compensate for losses and gains inherent in the fire assay process.

H. Rayes

Provincial Assayer

FORM G96 (REV. 5-68)

Canadian John Manville Co. Ltd. (5)

Certificate of Assay

COAST ELDRIDGE
PROFESSIONAL SERVICES DIVISION
WARNOCK HERSEY INTERNATIONAL LIMITED
125 EAST 4TH AVE. VANCOUVER 10, B.C., CANADA

PHONE: (604) 876-4111
TELEX: 04-50353
CABLE ADDRESS:
ELDRICO

FILE NO. A.3-C.4-68-1598

DATE September 18, 1968

We Hereby Certify *that the following are the results of assays made by us upon submitted* ORE *samples*

MARKED	GOLD		SILVER	Total Molybdenum	Tungsten	Tin (Sn)	Lead (Pb)	Arsenic (As)	Chemical Uranium (U_3O_8)
	OUNCES PER TON	VALUE PER TON	OUNCES PER TON	PER CENT. (Mo)	PER CENT (WO_3)	PER CENT	PER CENT	PER CENT.	PER CENT.
		$							
6738 J - 96 C				0.24					
6739 J - 96 D				0.25					
6740 J - 97				0.06					
6741 J - 98	0.01	0.35	1.4	0.02	0.01		Trace	0.13	
6742 J - 99 A				0.05					
6743 J - 99 B				0.06					
6744 J - 100				0.17					
6745 J - 101 A			0.32	0.25	Trace		Trace	2.96	0.027
6746 J - 101 B				0.01		Trace			
6747 J - 101 C			2.0	0.01	0.29		Trace		0.006
6748 J - 101 D				0.01	0.03			1.50	
6749 J - 102				0.34					
6750 J - 103	0.01	0.35		0.025	✓				
				1.49 5/3					
				Mo 11.5%					

Gold calculated at $ ..... per ounce

Note. Rejects retained one week.
Pulps retained one month.
Pulps and rejects may be stored for a maximum of one year by special arrangement.

Unless it is specifically stated otherwise, gold and silver values reported on these sheets have not been adjusted to compensate for losses and gains inherent in the fire assay process.

H. Thayer
..... *Provincial Assayer*

FORM G66 (REV. 5-68)

WARNOCK HERSEY INTERNATIONAL LIMITED •

COAST ELDRIDGE
PROFESSIONAL SERVICES DIVISION

125 East 4th Ave., Vancouver 10, B.C. Phone 876-4111 — Telex 04-50353

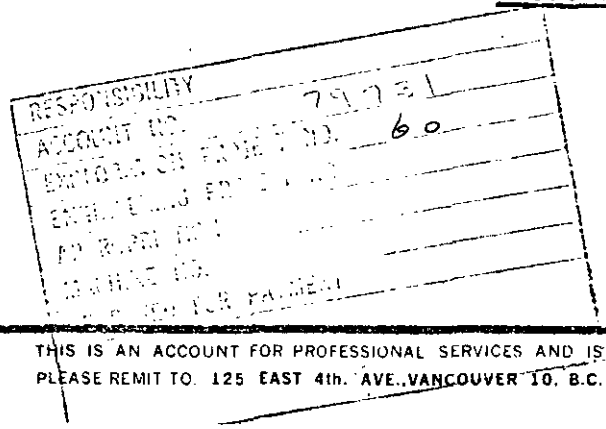
DATE	CLIENT S ORDER NO.	CODE	OUR ORDER NO.	CLIENT NO.
September 17, 1968		460	1598	3100

INVOICE TO

Canadian John Manville Co. Ltd.,
P.O. Box 1500
Asbestos, Quebec

REPORTED TO

DATE OF REPORT	REPORT NO.		
Sept. 18		73 assays for molybdenum @ $ 5.00 each	$ 365.00
		5 assays for silver @ $ 3.50 each	17.50
		1 assay for gold/silver @ $ 5.00 each	5.00
		1 assay for gold @ $ 3.50 each	3.50
		7 assays for tungsten @ $ 8.00 each	56.00
		4 assays for tin @ $ 8.00 each	32.00
		6 assays for lead @ $ 4.50 each	27.00
		6 assays for arsenic @ $ 800 each	48.00
		2 assays for uranium @ $12.00 each	24.00
			578.00
		less 10% discount	57.80
		TOTAL	$ 520.20



INVOICE NO. 33015

THIS IS AN ACCOUNT FOR PROFESSIONAL SERVICES AND IS DUE ON PRESENTATION
PLEASE REMIT TO 125 EAST 4th. AVE., VANCOUVER 10, B.C.

Atlin

Ruby Creek, W-Qtz Vein

SE of Zone A-1

Map #5

TO:

Johns Manville Co. Ltd.,
P.O. Box 1500,
Asbestos, Quebec
cc:
Clive Aspinall
1955 West 4th Avenue
Vancouver, B.C.

PHONE: (604) 876-4111
TELEX: 04-50353
CABLE ADDRESS: ELDRICO

Certificate of Assay

COAST ELDRIDGE

PROFESSIONAL SERVICES DIVISION

WARNOCK HERSEY INTERNATIONAL LIMITED
125 EAST 4TH AVE. VANCOUVER 10, B.C., CANADA

FILE NO. A.3-M.2-68-554

DATE August 5, 1968

We Hereby Certify *that the following are the results of assays made by us upon submitted* ORE *samples*

MARKED	GOLD		SILVER	Tungsten (WO_3)	Copper (Cu)	Lead (Pb)	Total Molybdenum (Mo)	Tin (Sn)	Uranium (U_3O_8)
	OUNCES PER TON	VALUE PER TON	OUNCES PER TON	PER CENT.	PER CENT.	PER CENT.	PER CENT.	PER CENT	PER CENT
		$							
SIR - 1	Trace	-	0.2	Trace					
SIR - 2	Trace	-	0.1	Trace	Trace	0.10	0.01	0.37	Trace
SIR - 3	Trace	-	0.1	Trace	0.02	0.05	0.005	0.01	Trace
SIR - 4	Trace	-	0.1	0.05	0.02	0.05	0.005	0.01	Trace
SIR - 5	Trace	-	0.2	Trace	0.01	0.05	0.005	0.01	Trace
SIR - 6	Trace	-	0.2	0.07	0.01	0.05	0.005	Trace	Trace
SIR - 7	Trace	-	0.2	Trace	Trace	0.05	0.005	Trace	Trace
SIR - 7 A	Trace	-	0.1	Trace	0.02	0.05	0.005	Trace	Trace
SIR - 8	Trace	-	0.2	Trace	0.02	0.05	0.005	Trace	Trace
SIR - 9	Trace	-	0.1	Trace	0.02	0.05	0.005	Trace	Trace
SIR - 10	Trace	-	0.4	0.02	0.01	0.10	0.01	Trace	Trace
SIR - 11	Trace	-	0.3	0.67	0.02	0.05	0.02	Trace	Trace
SIR - 12	Trace	-	0.2	Trace	0.02	0.05	0.005	Trace	Trace
SIR - 13	Trace	-	0.1	Trace	0.01	0.05	0.01	Trace	Trace
SIR - 14	Trace	-	Trace	Trace	0.01	0.05	0.005	Trace	Trace

/jp

Gold calculated at $ .... per ounce

Note. Rejects retained one week.
Pulps retained one month.
Pulps and rejects may be stored for a maximum of one year by special arrangement.

Unless it is specifically stated otherwise, gold and silver values reported on these sheets have not been adjusted to compensate for losses and gains inherent in the fire assay process.

H. Shayler

Provincial Assayer

cc: Vapsarow
P.O. Box 1200
Johns Manville Co. Ltd.

Johns Manville Co. Ltd. (2)

PHONE: (604) 876-4111
TELEX: 04-50353
CABLE ADDRESS: ELDRICO

Certificate of Assay

COAST ELDRIDGE

PROFESSIONAL SERVICES DIVISION
WARNOCK HERSEY INTERNATIONAL LIMITED
125 EAST 4TH AVE. VANCOUVER 10, B.C., CANADA

FILE NO. A.3-M.2-68-554

DATE August 5, 1968

We Hereby Certify *that the following are the results of assays made by us upon submitted* ORE *samples*

MARKED	GOLD		SILVER	Tungsten (WO_3)	Copper (Cu)	Lead (Pb)	Total Molybdenum (Mo)	Tin (Sn)	Uranium (U_3O_8)
	OUNCES PER TON	VALUE PER TON	OUNCES PER TON	PER CENT.	PER CENT.	PER CENT.	PER CENT.	PER CENT.	PER CENT.
		$							
SIR - 15	Trace	-	0.1	Trace	0.02	0.05	0.005	Trace	Trace
SIR - 16	Trace	-	Trace	Trace	0.02	0.10	0.005	Trace	Trace
SIR - 17	Trace	-	0.2	Trace	0.01	0.05	0.01	Trace	Trace
SIR - 18	Trace	-	Trace	Trace	0.01	0.05	0.005	Trace	Trace
SIR - 19	Trace	-	0.1	Trace	0.02	0.05	0.005	0.02	Trace
SIR - 20	Trace	-	0.1	Trace	0.02	0.10	0.005	Trace	Trace
SIR - 21	Trace	-	0.2	Trace	0.02	0.15	0.005	Trace	Trace
SIR - 22	Trace	-	0.2	Trace	0.04	0.05	0.005	0.03	Trace
SIR - 23	Trace	-	0.1	Trace	0.03	0.05	0.01	0.03	Trace
SIR - 24	Trace	-	Trace	Trace	0.02	0.14	0.005	0.01	Trace
SIR - 26	Trace	-	0.2	0.03	0.06	0.05	0.005	Trace	Trace

Gold calculated at $ ..... per ounce

Note. Rejects retained one week.
Pulps retained one month.
Pulps and rejects may be stored for a maximum of one year by special arrangement.

Unless it is specifically stated otherwise, gold and silver values reported on these sheets have not been adjusted to compensate for losses and gains inherent in the fire assay process.

H. Shaples

Provincial Assayer

WARNOCK HERSEY INTERNATIONAL LIMITED •

COAST ELDRIDGE
PROFESSIONAL SERVICES DIVISION

125 East 4th Ave., Vancouver 10, B.C. Phone 876-4111 -- Telex 04-50353

DATE	CLIENT S ORDER NO.	CODE	OUR ORDER NO.	CLIENT NO.
August 5, 1968		3100	554	

INVOICE TO

Johns Manville Co. Ltd.,
P.O. Box 1500
Asbestos, Quebec

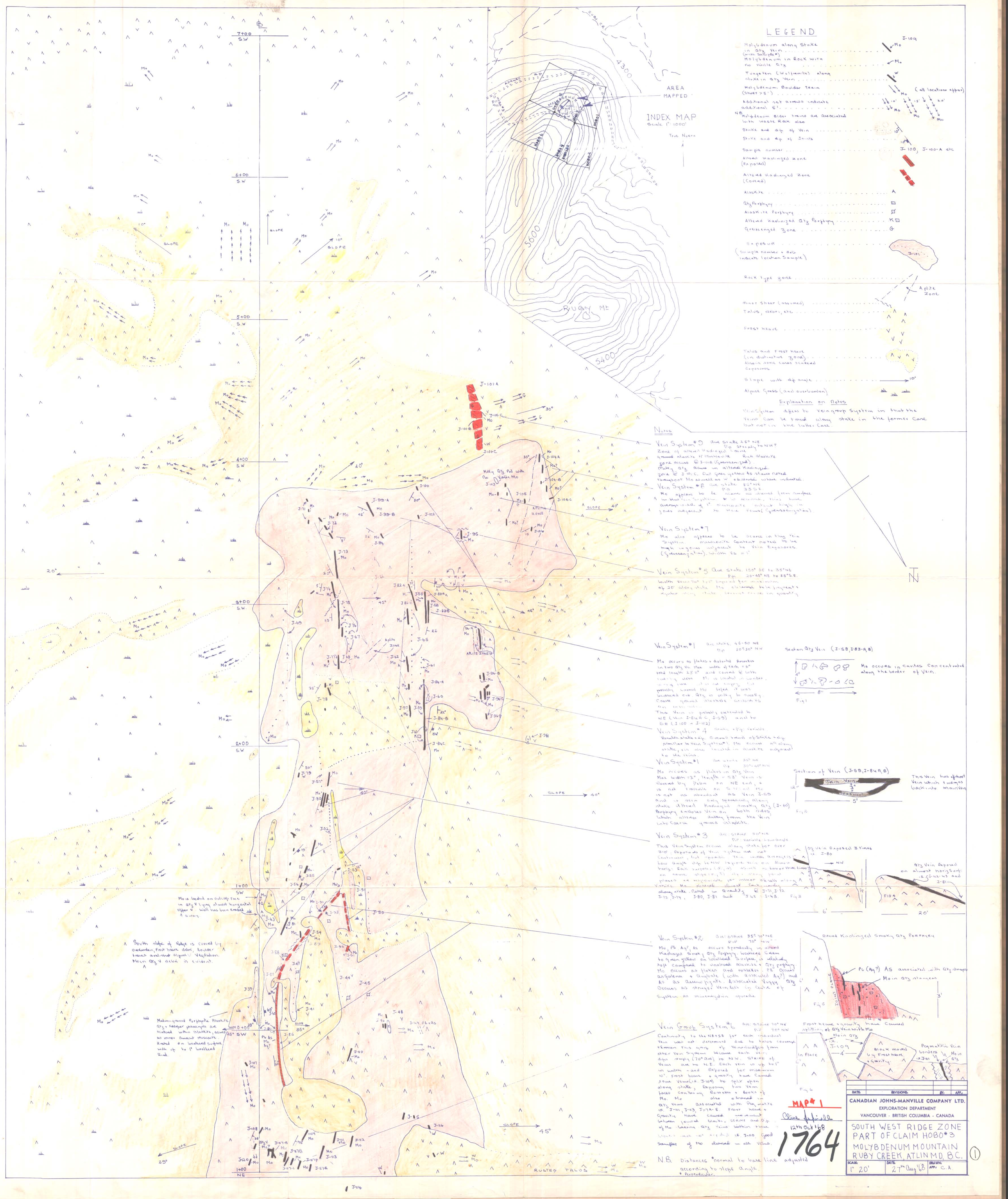
REPORTED TO

DATE OF REPORT	REPORT NO.		
Aug. 5		26 assays for gold/silver @ $5.00 each	$ 130.00
		26 assays for tungsten @ $ 8.00 each	208.00
		25 assays for copper @ $ 3.00 each	75.00
		25 assays for lead @ $ 4.50 each	112.50
		25 assays for molybdenum @ $ 5.00 each	125.00
		25 assays for tin @ $ 8.00 each	200.00
		25 assays for uranium @ $ 12.00 each	300.00
			1,150.50
		less 10% discount	115.05
		TOTAL CHARGES	$ 1,035.45

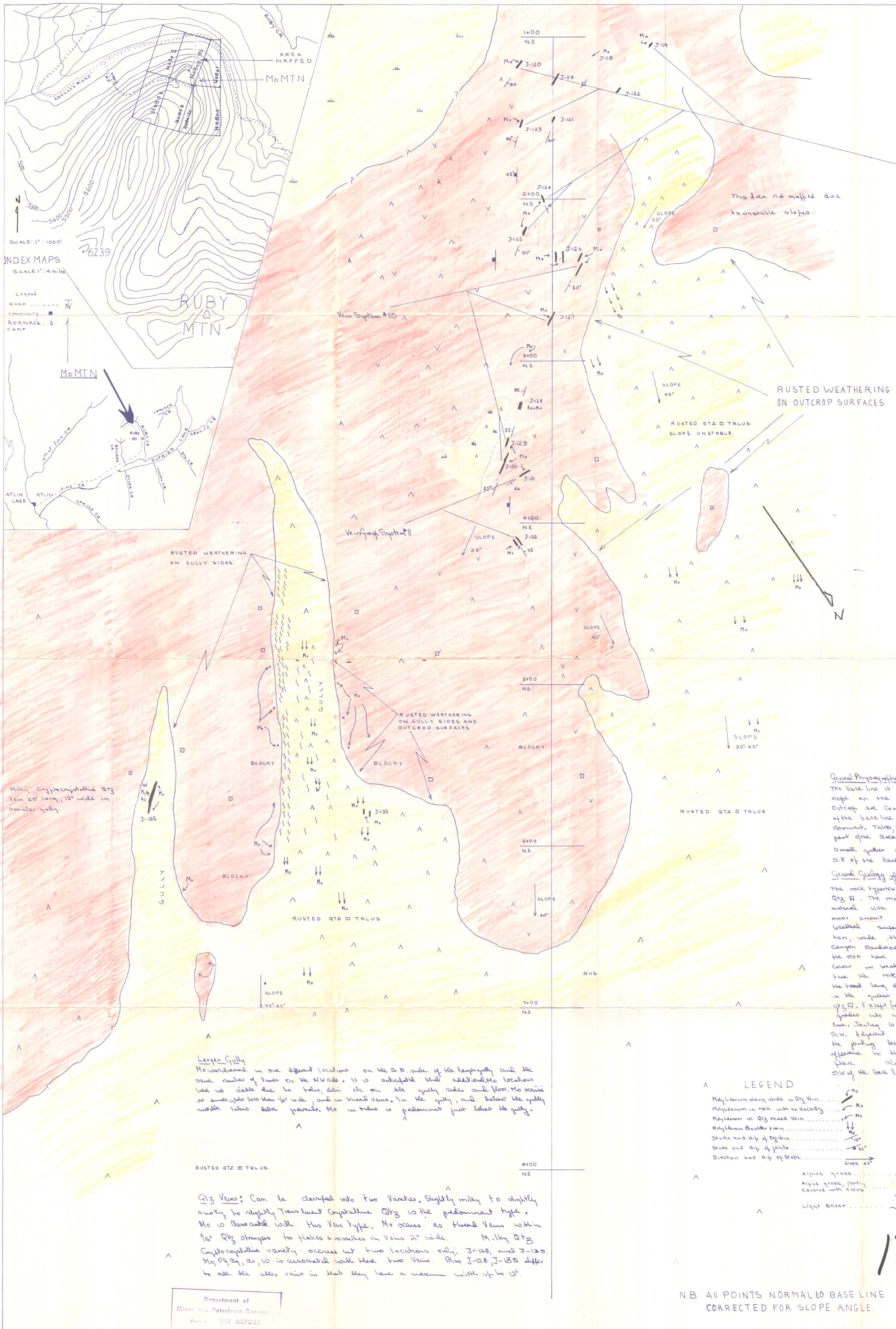
RESPONSIBILITY
ACCOUNT NO.
EXPLORATION PROJECT NO.
ENTERED IN PROJECT NO.
APPROPRIATION
INVOICE NO.
APPROVED FOR PAYMENT

INVOICE NO. 32090

THIS IS AN ACCOUNT FOR PROFESSIONAL SERVICES AND IS DUE ON PRESENTATION
PLEASE REMIT TO: 125 EAST 4th. AVE..VANCOUVER 10. B.C.



LEGEND
Molybdenum along Strike in Qtz Vein (with Sample #)
Molybdenum in Rock with no visible Qtz
Tungsten (Wolframite) along strike in Qtz Vein
Molybdenum Boulder train (Sheet > 5')
(all locations approx)
Additional set arrows indicate additional 5'.
N.B. Molybdenum Bldr trains are associated with Waste Rock also
Strike and dip of Vein
Strike and dip of Joints
Sample number
J-100, J-100-A etc
Altered Kaolinized zone (Exposed)
Altered Kaolinized Zone (Covered)
Alaskite
Qtz Porphyry
Alaskite Porphyry
Altered Kaolinized Qtz Porphyry
Greissenized Zone
Exposure (Sample number + dots indicate location Sample)
Rock type zone
Aplite Zone
Minor Shear (assumed)
Talus, debri, etc
Frost heave
Talus and Frost heave (in distinctive zone) Also in some cases scattered Exposures
Slope with dip angle
Alpine Grass (and overburden)
Explanation on Notes
Vein System differs to Vein group System in that the Veins can be traced along strike in the former Case but not in the latter Case.
INDEX MAP
Scale 1" : 1000'
True North
AREA MAPPED
RUBY CR.
ADANAC RD
RUBY Mt
4300
5600
5400
HOBO 1
HOBO 2
HOBO 3
HOBO 4
HOBO 5
HOBO 6
HOBO 11
HOBO 12
7+00 S.W
6+00 S.W
5+00 S.W
4+00 S.W
3+00 S.W.
2+00 S.W
1+00 SW
0+00 SW
1+00 NE
SLOPE
Notes
Vein System #9 Ave Strike 25° NE Dip Steeply to NW? Zone of altered Kaolinized Coarse grained alaskite & muscovite Rich alaskite zone occurs @ J-101-B (Greissenized). Milky Qtz occurs in altered Kaolinized zone @ J-101-C. Dull green yellow As stains noted throughout Mo as well as W observed where indicated.
Vein System #8 Ave Strike 65° NE Dip 33 S.E. Mo appears to be same as observed from surface in this Vein System. Veins have average width of 1". Muscovite content high in zones adjacent to the Veins (Greissenization).
Vein System #7 Mo also appears to be scarce in this Vein System. Muscovite content noted to be high in zones adjacent to Vein Exposures (Greissenization). Width Vs = 1"
Vein System #5 Ave Strike 150° SE to 35° NE Dip 26-45° NE to 35° S.E. Width Veins ½" to 1". Exposed for maximum of 20' along strike. Mo observed to be frequent & regular along strike, however scarce in quantity.
Vein System #1 Ave strike 45-50 NE Dip 20°-30° NW
Mo occurs as flakes + distorted Rosettes in two Qtz Vs. Max width of each = 6" total length 25' 11" and covered @ both ends by debri. Mo is located in cavities, ... probably formed Mo before it was weathered out. Qtz is milky to smoky. Coarse grained alaskite encloses Vs ... This Vein is probably extended to NE (Vein J-84 A C, J-59) and to SE (J-100 + J-102)
Section Qtz Vein (J-58, J-83-A, B)
Mo occurs in Cavities Concentrated along the border of Vein.
4"
8"
Fig 1
Vein System #4 Strike + Dip Variable. Variable strike + dip. Overall trend of Strike + dip similar to Vein System #1. Mo occurs all along strike, is also located in alaskite adjacent to the Veins.
Vein System #1 Ave strike 35° NE Dip 30°-40° NW
Mo occurs as flakes in Qtz Vein. Max width = 2", length = 53'. Vein is covered by Debri on NE end, + is not traceable on S.W. end. Mo is not as abundant as Vein J-59 and is seen only sporadically along strike. Altered Kaolinized smoky Qtz (J-60) Porphyry encloses Vein on both sides which alters away from the Vein into Coarse grained alaskite.
Section of Vein (J-59, J-84 A, B)
Main Vein
OFFSHOOT
12"
3"
5'
Fig 2
This Vein has offshoot Vein which emerges back into main Vein
Vein System #3 Ave: Strike 50° NE Dip: Variable: Low angle
This Vein System occurs along strike for over 310'. Exposures of Vein system are not Continuous, but sporadic. Vein width averages 1". Low angle dip to NW exposes Vein on almost horiz: Rock surfaces (Fig 4) as well as two or three times on same slope (Fig 3) ... responsible for minor offsets along strike. Mo observed almost continuously along strike. Noted in Quantity @ J-71, J-72 J-73, J-74, J-80, J-81 and J-42 + J-43.
Qtz Vein Exposed 3 times i.e. J-80
NW
JOINT PLANE
6'
Fig 3
Qtz Vein Exposed on almost horiz Surf: i.e. J-42-43 and J-81
FIG 4
20'
Vein System #2 Ave: Strike 35° 70° NE Dip 70° NW
Mo, Pb, Ag?, As occurs sporadically in altered Kaolinized Smoky Qtz Porphyry. Weathered Cream to green yellow on weathered Surface, is relatively soft compared to unaltered alaskite + Qtz porphyry. Mo occurs as flakes and rosettes. Pb occurs as Galena + Anglesite (with associated Ag?) and As as Arsenopyrite. Associated Vuggy Qtz Occurs as stringer Veinlets in Centre of System. All mineralization sporadic.
Altered Kaolinized Smoky Qtz Porphyry
Pb (Ag?) As associated with Qtz stringers
Main Qtz stringers
JOINT PLANE
6'
3'
1½'
Fig 5
Vein Group System #6 Ave: Strike 70° NE Dip 70° NW
Continuity to the NE + SE for each individual Vein was not determined due to talus coverage + erosion. This group of Veins also differs from other Vein Systems because each Vein dips steeply (70° Ave) to N.W. Strike of Veins are to N.E. Each vein is up to 1" in width and Exposed for maximum 10'. Frost heave + gravity have caused some Veins (i.e. J-109) to split open along strike, exposing two Vein faces containing Rosettes + Books of Mo. Mo also observed in Qtz Veins associated with Pegmatite i.e. J-111, J-113, J-117A-E. Frost heave + Gravity have caused movement between jointed blocks. Strike and Dip of Mo bearing Qtz Veins within these ... i.e. J-110. Good Samples of Mo observed in all Veins.
Frost heave + gravity have Caused splitting of Qtz Vein with Mo
Main Qtz i.e. J-109
In Place
Block moved by Frost heave + Gravity
Pegmatitic Vein borders i.e. J-111
Main Qtz
6'
4'
Fig 6
Mo is located on outcrop Face in Qtz V lying almost horizontal Upper V. wall has been eroded away.
South slope of Ridge is covered by overburden, Frost heave debri, boulder trains and other alpine V Vegetation. Main Qtz V debri is evident.
Medium grained Porphyritic Alaskite Qtz + Feldspar phenocrysts are scattered within alaskite, as well as minor amount muscovite. Rusted on weathered surface with up to 1" weathered Rind.
Milky Qtz Pod with no Visible Mo
APLITE ZONE
APLITE ZONES
Aplite ZONE
RUSTED TALUS
N.B. Distances *normal to base line adjusted according to slope angle.
* Perpendicular.
MAP # 1
Clive ...
12th Oct '68
1764
DATE: REVISIONS: BY: APP.
CANADIAN JOHNS-MANVILLE COMPANY LTD.
EXPLORATION DEPARTMENT
VANCOUVER - BRITISH COLUMBIA - CANADA
SOUTH WEST RIDGE ZONE
PART OF CLAIM HOBO #3
MOLYBDENUM MOUNTAIN
RUBY CREEK, ATLIN M.D. B.C.
SCALE: 1" 20'
DATE: 27th Aug '68
DRAWN: C.A.
1



NOTES

Vein Group System #6 Strike Variable to NE NNE Dip Variable to SE NNW.
This vein group system is a continuation from Map sheet #1. Individual Veins Do not appear to connect along strike. Veins Exposures Vary from 1½' to 7' in length, width of Veins averaging 1". The Veins are not as well Exposed as the Veins further to the S.W. (see Vein group System #6, map #1). Some veins have been split apart by frost heave (ie J-122) showing the mo to be Exposed on a Vertical Qtz surface. Veins appear to be Concentrated adjacent to the base line since the main Exposures are located in this area. Forty to fifty feet on either side of the base line talus, frostheave etc effectively hinder the search for Veins on bedrock.

Vein System #10 Strike: 65° NE Dip Variable; Range from 50' to NW to 25° to S.E.
The Veins in this system are not definitely known to be Connected, but are presumed so since they occur almost directly along strike. Location J-126 is one of the most spectacular Mo Veins on the entire Mo MTN. (NE 1 showing) Massive Mo occurs in a Qtz Vein 5' long, 2" wide as well as in Qtz ⊡ adjacent to the Vein. Massive Rossettes, Books, of Mo occur crowded together. The Exposures of the presumed Continuation of this Vein along strike are not as spectacular. J-128 is not Considered part of this vein system as it consists of Cryptocrystalline milky white Qtz. (Re: Report). It is also 12" wide.

Vein Group System #11 Strike Variable to E and N. Dip Variable to N, W.
This Vein Group System is similar to that of Vein Group System #6 in that Veins are Considered to be seperate.

General Physiography of Area
The base line is laid out along the axis of a NE dipping slope on the NE extension of Mo MTN. Exposures of outcrop are Concentrated along the base line. 50' to the NW of the base line unstable rusted qtz ⊡ talus slopes are dominant. Talus, frost heave, alpine soils etc, cover the major part of the area from 100' S.E of the base line. Two small gullies are located 130' (approx) and 240' (approx) S.E of the base line respectively.

General Geology of Area
The rock types NW of the baseline Consist for the main part of Qtz ⊡. The matrix is very fine grained feldspar-Qtz rich material with scattered smoky Qtz crystals 3/16" in diameter. A minor amount of Biotite is associated with this ⊡. On the weathered surface the colour of the ⊡ is light buckskin tan, while the fresh surface has similar colour to Grand Canyon Sandstone. Large boulders of Qtz ⊡ at the base of the MtN have dull grey weathered surfaces. The change in colour on weathered surfaces is probably due to length of time the rock surfaces have been exposed to the atmosphere, the talus being the most recent rock exposed. The rock type in the gullies S.E of the base line also Consist of this Qtz ⊡. Except for these two gullies, the rock type rapidly grades into medium grained alaskite S.E of the base-line. Jointing is essentially 35° NE, dipping approximately 46° to the S.W. Adjacent to the two gullies S.E of the base line the jointing becomes irregular, thereby giving the a more blocky appearance to these areas. Some light shearing has taken place along the bottom of the largest gully 130' S.W of the base line.

Larger Gully
Mo was observed in six different locations on the S.E. side of the larger gully and the same number of times on the NW side. It is anticipated that additional Mo locations were not visible due to talus, debris etc on the gully sides and floor. Mo occurs as small grains less than ½" wide, and in thread veins. In the gully, and below the gully unstable talus debris prevails. Mo in talus is predominant just below the gully.

Qtz Veins: Can be classified into two Varieties. Slightly milky to slightly smoky to slightly Translucent Crystalline Qtz is the predominant type. Mo is associated with this Vein type. Mo occurs as thread Veins within 1/16" Qtz stringers to flakes + rosettes in Veins 2" wide. Milky Qtz Cryptocrystalline variety occurs in two locations only. J-128, and J-135. Mo, Pb, Ag, As, W is associated with these two Veins. Also J-128, J-135 differ to all the other veins in that they have a maximum width up to 12".

LEGEND

Molybdenum along strike in Qtz Vein	Mo
Molybdenum in rock with no Visible Qtz	Mo
Molybdenum in Qtz thread Vein	x Mo
Molybdenum Boulder train	↓↓ Mo
Strike and dip of Qtz Vein	10°
Strike and dip of joints	46°
Direction and dip of Slope	Slope 40°
Alpine grass	
Alpine grass, partly covered with talus	
Light Shear	

LEGEND

Sample Number	J-128
Alaskite	A
Qtz Porphyry	⊡
Alaskite Porphyry	⊡
Outcrop Exposure	
TALUS, Debri, etc	Λ
Frost heave	V

Clive Aspinall 14th Oct '68

MAP #2

N.B. All POINTS NORMAL TO BASE LINE CORRECTED FOR SLOPE ANGLE.

1764

DATE:	REVISIONS:	BY:	APP.:

CANADIAN JOHNS-MANVILLE COMPANY LTD.
EXPLORATION DEPARTMENT
VANCOUVER - BRITISH COLUMBIA - CANADA

NORTHEAST RIDGE ZONE
PART OF CLAIM HOBO #3
MOLYBDENUM MOUNTAIN
RUBY CREEK, ATLIN M.D. B.C.

SCALE: 1" : 20'	DATE: 14th Oct '68	DRAWN: APP.: C.A.

(2)

From 09+00 to 15+00 the slope steepens and is covered by talus of largely quartz monzonite with some aplite and the occassional rock of W-quartz. Mo was found in small amounts in quartz veins in the monzonite in two locations, 15+00 and 13+00, 02+00 SW Massive pure smoky quartz also appears in the talus.

Major Fracture Directions
-N70°W ; 12°S
-N26°E ; 76°NW
-N15°W ; 65°-72°NE

Major Fracture Directions
-NE ; 5°-10°SE
-N70°W ; 80°-90°SW
-N85°W ; 70°N

All outcrops are of quartz porphry, which is multiply fractured in three main directions approximately at right angles to one another. This gives it a blocky appeance. Other directions of fracturing occur to a minor extent. (Refer to photographs). Many fractures which are near horizontal, 5°-10° dip, are silicified, the silicification varying in thickness from 2mm.-4cm.. It is along these fractures that the majority of molybdenite, with ferrimolybdite occassionally, is found. In a few places it was found in quartz veins, 2mm. to 5mm. thick. At no time was it found in the other two fracture zones which have almost vertical dip (65°-90°). In most cases all of the molybdenite has been weathered away leaving scars or vugs where it once existed in the quartz.

QUARTZ PORPHRY - Light buff colored rock with rounded grains of smoky quartz in a fine grain matrix of mainly feldspar with some quartz and biotite. Phenocrysts of quartz vary in diameter from 2-5 mm.. There is the odd phenocryst of feldspar. Many small veins of milky white quartz appear throughout the outcrop. Weathered surfaces are buff but exposed silicified fractures weather from a medium to a dark rusty brown. Rock weathers deeply, up to 4 cm., near fractures and as a result is a very light reddish-brown or pink in color.

All specimens are quartz porphry taken along common silicified fractures. Some specimens have small quartz veins in them.

Approximate location of Adanac's newly constructed road.

ADERA 8

ADERA #1

HOBO 8

HOBO 7

Post #1

Post #2

RUBY CREEK

Photo #1

Photo #2

Mo (talus)

Mo (Float)

Mo (Float)

ADERA 8

BASE LINE BEARING S55°E

CLAIM LINE BEARING N50°W

HOBO #8

HOBO #7

Post #2

Scale: 1" = 1000'

LEGEND
- Base Line
- Claim Line (Adera)
- Claim Line (Hobo)
- Outcrop
- Creek Bed
- Mo Occurrence
- 50 Specimen Location (Sir 39-68)
- 60 Mo and Specimen Location
- Overburden (earth, grass, talus)

Department of Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 1764 MAP 3

MAP # 3
Clive Canfield
12th Oct 68

1764

CANADIAN JOHNS-MANVILLE COMPANY LTD.
EXPLORATION DEPARTMENT
VANCOUVER - BRITISH COLUMBIA - CANADA

HOBO CLAIMS 7 and 8
ASSESSMENT WORK

SCALE: 1 in. = 20 ft. | DATE: | DRAWN: S.W | APP.:

(3)

Hobo 8

Mo + W +15+00
#34

Post #2 (Hypothetical Location

Hobo 7

Post #2 (True Location)

W +14+00
#33

S

N

The entire area of this map consists of talus slopes which consist largely of boulders of coarse grained quartz monzonite(alaskite ?) with some aplite, quartz porphyry, and massive W-quartz. The Mo appears in small quartz veins in the monzonite in very small amounts.

W +13+00
#32

Mo
#37

W
#38

Mo

Specimens SIR-29-38 were taken from talus at locations as noted. These specimens consist of rock chips from an area of twenty square feet. They were taken only from boulders of quartz monzonite.

+12+00
#31

W
#35

W
#36

Base Line S55°E

Claim Line N50°W

+11+00
#30

W

+10+00
#29

+09+00

1764

MAP # 4

Clive Duffill
12th Oct 68

DATE:	REVISIONS:	BY:	APP.:

CANADIAN JOHNS-MANVILLE COMPANY LTD.
EXPLORATION DEPARTMENT
VANCOUVER - BRITISH COLUMBIA - CANADA

HOBO CLAIMS 7 and 8
ASSESSMENT WORK

(4)

SCALE:	DATE:	DRAWN: S, W
1in = 50ft		APP.:

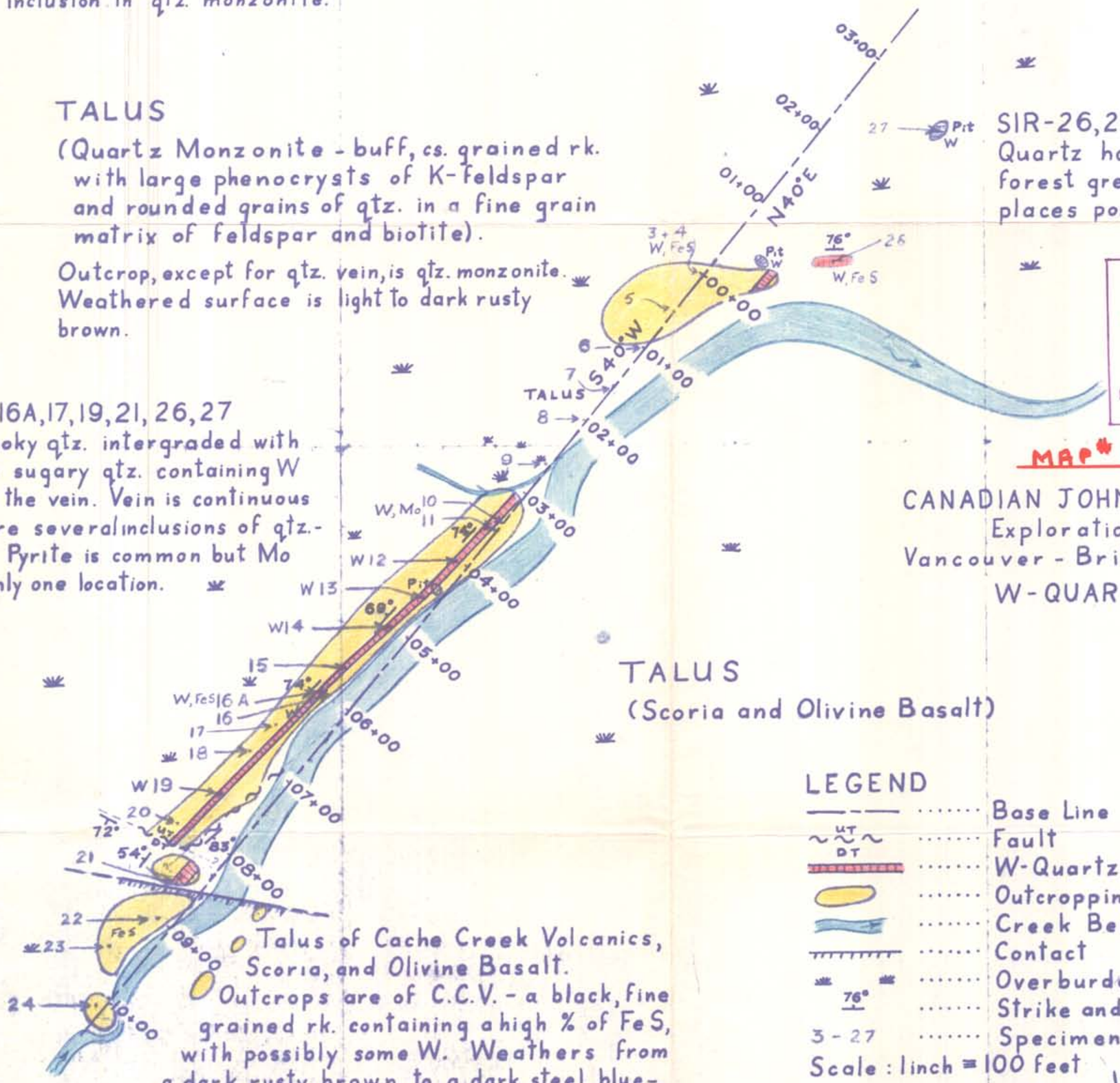
SIR-3,5-7,7A,9,16,20
Quartz Monzonite - accounts for majority of outcrop

SIR-4
Peridotite - dark green, coarse grained rock with dark brown weathered surface. Appears as a small spherical inclusion in qtz. monzonite.

TALUS
(Quartz Monzonite - buff, cs. grained rk. with large phenocrysts of K-feldspar and rounded grains of qtz. in a fine grain matrix of feldspar and biotite).

Outcrop, except for qtz. vein, is qtz. monzonite. Weathered surface is light to dark rusty brown.

SIR-10*15,16A,17,19,21,26,27
Massive smoky qtz. intergraded with milky-white sugary qtz. containing W throughout the vein. Vein is continuous but there are several inclusions of qtz.-monzonite. Pyrite is common but Mo occurs in only one location.



TALUS
(Scoria and Olivine Basalt)

Talus of Cache Creek Volcanics, Scoria, and Olivine Basalt. Outcrops are of C.C.V. - a black, fine grained rk. containing a high % of FeS, with possibly some W. Weathers from a dark rusty brown to a dark steel blue-black (manganese stain).

SIR-26,27
Quartz has a lime and dark forest green stain in some places possibly due to arsenic?

MAP* 5 A

CANADIAN JOHNS-MANVILLE CO.
Exploration Dept.
Vancouver - British Columbia
W-QUARTZ VEIN

LEGEND

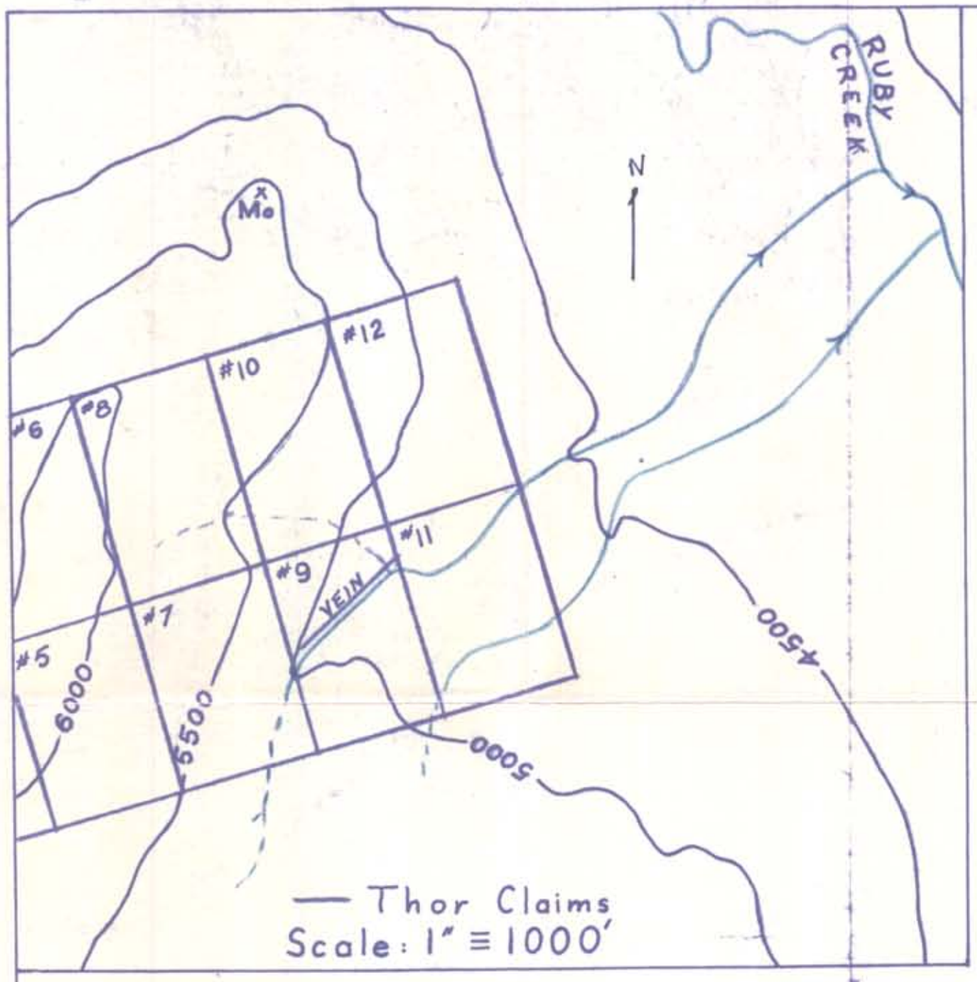
———	Base Line
~UT~ DT	Fault
	W-Quartz Vein
	Outcropping
	Creek Bed
	Contact
76°	Overburden (grass, buckbrush, + soil)
	Strike and Dip
3 - 27	Specimen No.; SIR series

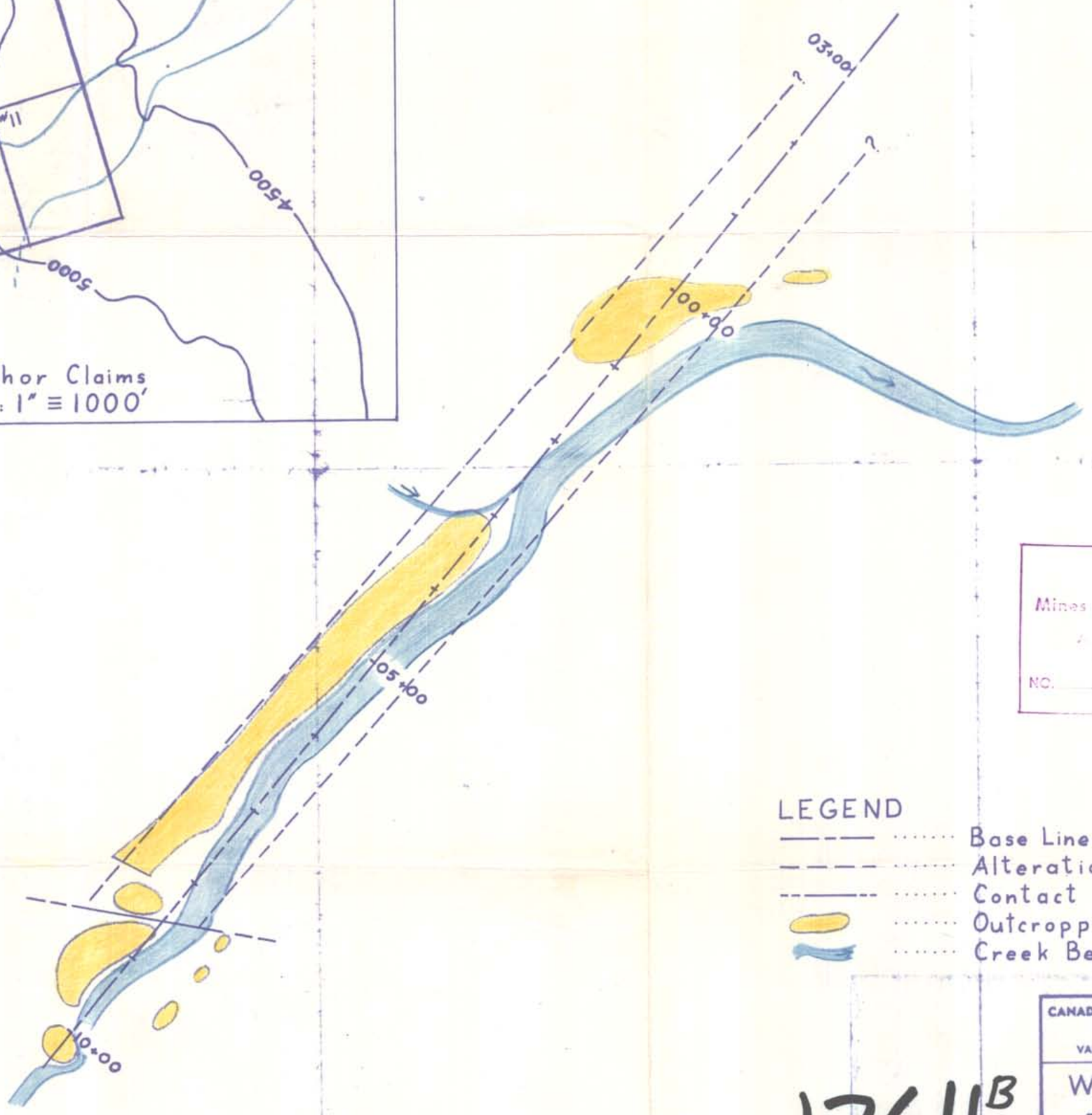
Scale : 1 inch = 100 feet

1764A

Clive Duffield
12th Oct 68

(5)





Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 1764 MAP 56

MAP # 56

LEGEND

——— ..... Base Line
– – – – ..... Alteration Zone
———— ..... Contact
..... Outcropping
..... Creek Bed

Clive Mitchell
12th Oct, 68

1764B

CANADIAN JOHNS-MANVILLE COMPANY LTD.
EXPLORATION DEPARTMENT
VANCOUVER - BRITISH COLUMBIA - CANADA

W-QUARTZ VEIN
RUBY CREEK (6)

SCALE: 1" = 100' | DATE: | DRAWN: S W | APP'd: