

DIAMOND DRILLING REPORT
on the
LOG 1 and 3 MINERAL CLAIMS
MISSEZULA LAKE AREA
NICOLA MINING DIVISION

NTS	- 92H/15E	UTM GRID - Zone 10
Latitude	- 49° 47'	North - 5 516 950
Longitude	- 120° 34'	East - 675 300

BETHLEHEM COPPER CORPORATION
Suite 2100 - Guinness Tower
1055 West Hastings Street
Vancouver, BC V6E 2H8

August 28, 1980

R. G. Simpson
Project Geologist

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

NO.

8309
Part 2
of 2

TABLE OF CONTENTS

SECTION A - SUMMARY OF WORK

Introduction
Location and Access
Topography and Physical Environment
Geology
Diamond Drilling
Conclusions and Recommendations
References

SECTION B - STATEMENT OF EXPENDITURES

SECTION C - STATEMENT OF QUALIFICATIONS

SECTION D - MINERAL TITLE

SECTION E - DRILL HOLE DATA

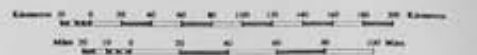
Drill Hole Record
Drill Hole Logs - L-79-5
 L-79-6
Laboratory Reports

SECTION F - ILLUSTRATIONS

<u>Drawing No.</u>	<u>Title</u>	<u>Scale</u>
ML-79-1	General Location Plan	1:250 000
ML-79-2	Location Plan	1: 50 000
ML-79-3	Mineral Claim Plan	1: 10 000
ML-79-4	Geological Plan	1: 10 000
ML-79-5	Drill Hole Plan	1: 10 000

BRITISH COLUMBIA

SCALE 1:5,000,000



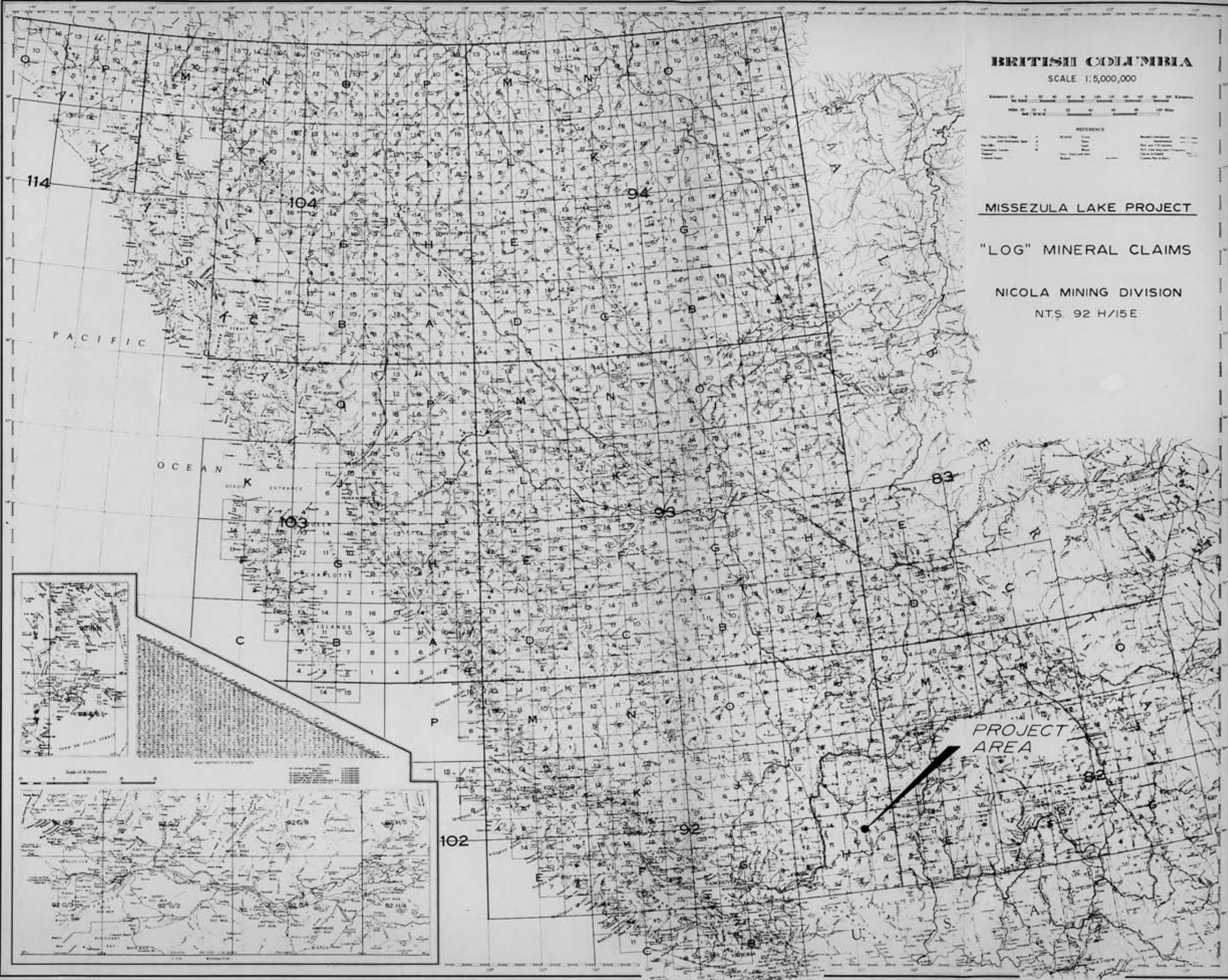
REFERENCE	
1:5,000,000	1:250,000
1:125,000	1:50,000
1:25,000	1:10,000
1:5,000	1:1,000

MISSEZULA LAKE PROJECT

"LOG" MINERAL CLAIMS

NICOLA MINING DIVISION

NTS. 92 H/15E



PROJECT AREA

102

92

83

104

94

114

PACIFIC

OCEAN

U.

S.

A.

SECTION A - SUMMARY OF WORK

Introduction

The "LOG" Group of mineral claims was staked by Bethlehem in December 1973 following a large-scale regional exploration program in the general Merritt-Princeton area during 1970, 1971 and 1972.

In late 1974, ten percussion holes totalling 900 metres were drilled and some interesting mineralization sections were encountered in several holes. During 1975, three diamond drill holes totalling 351 metres and one rotary hole of 218 metres were completed with low-grade copper mineralization occurring in three of the four holes. Drilling problems limited the depth penetration to 218 metres.

Induced polarization surveys were conducted over the major part of the claim blocks in May and again in late November of 1979. Two parallel north-northwesterly trending anomalies were outlined, extending through the central and southwest portions of the property. On the basis of these results it was decided to conduct a preliminary investigation of the anomalies by diamond drilling two vertical holes to depths of approximately 210 metres.

Location and Access

The "LOG" claim group is situated over a low north-south trending valley some 3 km west of Missezula Lake at geographic co-ordinates $49^{\circ}47'$ latitude and $120^{\circ}33.5'$ longitude. The nearest centres of population are 36 km to the south at Princeton and 38 km to the NNW at Merritt. Access to the property is obtained by a 9.5 km gravel road which runs southeasterly from a point on Highway #5 some 43 km south of Merritt. (See Drawing No. ML-79-1).

Topography and Physical Environment

The area is characterized by generally moderate topography with altitude ranges from 1250 metres to 1370 metres A.S.L. The central portion of the claim block is in the bottom of a low wide north-south trending valley with the eastern and western limits of the property situated on higher ridges. A major portion of the valley floor is clear of any timber cover due to recent logging operations and a forest fire. The remaining area is covered by moderate stands of lodgepole pine and to a lesser extent groves of aspen.

A swampy lake covering approximately 25 hectares occupies the centre of the claim block. In previous reports it has been referred to as Duke Lake but on recent government topographic maps it has been labelled Ketchan Lake. A smaller lake to the northwest is now known as Hook Lake. A number of small sloughs are also situated in the area.

Geology

The property is mainly underlain by Upper Triassic Nicola volcanic rocks and their associated intrusions. It lies within an area which has recently undergone a detailed geological mapping program by the B.C. Department of Mines. (Bulletin 69, V.A. Preto)

Rocks on the claim block belong to the Central Belt of the Nicola Group which is bounded on the west by the Allison Lake pluton and on the east by a major fault system called the Summers Creek Fault. Faults on the property tend to follow a northerly regional trend and share the steep dips of both this fault zone and the Allison Fault to the west. Dips on the property are generally to the east since it lies on the west limb of a major syncline; the axis of this syncline strikes northerly and lies on the east side of Missezula Lake.

The detailed mapping of this area, recently completed by the B.C. Department of Mines (Preliminary Map No. 17), shows that the new claim block boundaries almost entirely surround an intrusive body which is roughly triangular in shape. This body, which varies in composition from a medium-grained syenodiorite to monzonite, is truncated on the east by a NW trending fault. It intrudes a largely subaqueous assemblage of green flows, flow breccia, tuffs and minor sedimentary units and, being similar in composition to the volcanics, it is thought to be about the same age. It contains several occurrences of chalcopyrite mineralization.

A Geological Plan (Drawing No. ML-79-4) was prepared by enlarging a portion of the recently published Preliminary Map No. 17 up to the scale of 1:10,000.

Diamond Drilling

Connors Drilling of Vancouver was contracted to drill two vertical holes on the property to investigate recently discovered I.P. anomalies. A Longyear model Super-38 diamond drill was mobilized on December 4, 1979 and drilling began on December 6. Problems were encountered in the first hole (L-79-5) and it was temporarily abandoned at a depth of 92 metres after the core barrel twisted off in loose and caving ground. The drill was moved to the second hole which was successfully completed to a depth of 206 metres on December 23. It was subsequently decided to attempt to deepen hole L-79-5 and in early January 1980, after reaming with a HQ bit down to the previous level, the core barrel was successfully recovered and coring with NQ resumed to a final depth of 203 metres.

Hole L-79-5 was located over the northwestern extension of the main I.P. anomaly west of Ketchikan Lake. The drill site lies in a drift-covered area adjacent to the B.C. Hydro powerline. After penetrating 4 metres of overburden, the drill encountered 13 metres of Nicola Group volcanoclastics underlain by massive, grey to green andesite flows with

occasional tuffaceous and volcanoclastic interbeds to a depth of 29 metres. From 29 to 198 metres, fine grained Nicola intrusive rocks ranging from mafic porphyries to fine grained diorites were penetrated. These graded into Nicola andesite which was in turn underlain by epivolcanoclastic material from 202 to 203 metres. Dips of primary bedding within volcanoclastic material averaged approximately 45° . Weak to moderate pyrite mineralization was noted from 9 to 18 metres. The core was strongly altered and sheared from 76 to 93 metres.

Hole L-79-6 was located approximately 1,150 metres south of L-79-5 over the southwestern I.P. anomaly. After penetrating 3 metres of overburden, the drill encountered 14 metres of red to grey vesicular basalt of Pleistocene to Recent age, underlain by a fossil overburden to a depth of 50 metres. From 50 to 206 metres a mixed assemblage of Nicola Group subaqueous volcanoclastic and flow rocks was present, consisting of intercalated tuffs, tuff breccias, andesitic flows and volcanoclastic breccia containing black, graphitic siltstone fragments entrained in a tuffaceous matrix. Fine grained pyrite accumulations occurred along laminae within the siltstone fragments and appear to be of syngenetic origin. Several fault zones containing black, sooty, graphitic gouge were also intersected.

The NQ core was transported to Bethlehem's core storage facilities which are located at its Highland Valley operations. Here the core was split with half the core going for assay and the other half being retained. Detailed geologic logs were prepared and are appended in Section D along with the laboratory assay reports. Drill hole locations are shown on Drawings No. ML-79-4 and 5.

No economically significant sulphide mineralization was encountered in either drill hole. Copper content averaged .01% with no sections exceeding .04% Cu.

Listed below is a summary of each of the drill holes:-

Hole No.	-	L-79-5	L-79-6
Latitude	-	100 150 N	98 700 N

Departure	-	99 400 E	99 750 E
Elevation	-	1290 m A.S.L.	1270 m A.S.L.
Overburden	-	3.7 m (12')	3.4 m (11')
Rock	-	199.6 m (655')	203.0 m (666')
Total Depth	-	203.3 m (667')	206.4 m (677')
% Cu	-	0.013 (3.7 to 203.3 m)	0.011 (48.8 to 206.4 m)
% Mo	-	nil	tr.
Mineral Claim	-	LOG 1	LOG 3

Conclusions and Recommendations

The two diamond drill holes completed on the LOG 1 and 3 mineral claims failed to intersect any economically significant mineralized zones.

Hole L-79-5 contained sparse pyrite mineralization in the upper 16 metres but the sulphide concentration does not seem to be sufficient to produce the I.P. anomaly in this area.

Hole L-79-6 encountered a significant amount of graphitic material with local pyrite concentrations that probably account for the shallow I.P. response detected to the south.

The main I.P. anomaly extending under Ketchan Lake has not been adequately tested but results from hole L-79-5 are not encouraging with respect to the western extension. Further testing of this anomaly could be adequately performed by a percussion drill due to the relatively shallow depth to the source, but overburden depths in the vicinity of Ketchan Lake may prove prohibitive.

In view of the negative results of this program, further drilling is not recommended at this time.

Respectfully submitted,



R. G. Simpson
Project Geologist

REFERENCES

OLD REPORTS

- Lammle, C.A.R.; 1967: Geological and Geophysical Report on the STRIKE-LORNA Mineral Claims for Adera Mining Limited and Plateau Metals Limited.
- Schuur, W.; 1967: Report on I.P. Survey on the STRIKE-LORNA Group Sept. 21, 1966 by Canadian Aere Mineral Surveys Limited for Adera Mining Limited.
- Lammle, C.A.R.; 1971: Geochemical Report on the STRIKE-LORNA Group for Adera Mining Limited and Plateau Metals Limited.
-

BETHLEHEM REPORTS

- Nethery, R.J.; 1975: Percussion Drilling Report on the LOG Group of Mineral Claims, Missezula Lake Area.
- Anderson, R.E.; 1975: Diamond Drilling Report on the LOG 54, 63 and 64 Mineral Claims, Missezula Lake Area.
- Anderson, R.E.; 1976: Diamond Drilling and Control Survey Report on the LOG #1 - 4 Mineral Claims, Missezula Lake Area.
- Anderson, R.E.; 1979: Geophysical Survey Report on the LOG 1 to 4 Mineral Claims, Missezula Lake Area by Phoenix Geophysics Limited.

SECTION B - STATEMENT OF EXPENDITURES

Expense Period - November 27, 1979 to August 28, 1980

1. Contracted Services (see accompanying invoices)

(a) Connors Drilling - diamond drilling contractor

Invoice No.	9964	dated	Jan.	2/80	-	\$23,166.50
"	"	9983	"	Jan.	8/80	- 4,140.00
"	"	10018	"	Jan.	30/80	- <u>19,683.37</u>
						\$46,989.87

TOTAL CONTRACTED SERVICES \$46,989.87

2. Bethlehem Expenditures

(a) Personnel

J. R. Bellamy - Chief Geologist
 4 days in general project supervision @ \$139.32/day \$ 557.28

R. G. Simpson - Project Geologist
 Dec. 10, 13, 14, 21 - 4 days
 Jan. 2-5, 10-12, 24 - 8 days
 Feb. 18 - 21 - 4 days
 Aug. 28 - 1 day
 17
 17 days in project supervision, evaluation and report
 preparation @ \$94.38/day \$ 1,604.46

J. G. Collins - Field Supervisor
 Nov. 28 - 1 day
 Dec. 3, 10, 17, 18,
 21, 24, 31 - 7 days
 Jan. 2, 7, 8, 14,
 15, 21, 22 - 7 days
 15
 15 days in project supervision @ \$94.91/day \$ 1,423.65

E. Andersen - Property Agent
 3 days in data compilation and report preparation
 @ \$107.33/day \$ 321.99

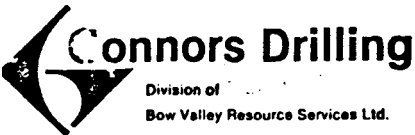
A. Emo - Secretary
 1 day @ \$61.86/day \$ 61.86

K. Decle - Secretary		
1 day @ \$44.94/day		\$ 44.94
	TOTAL PERSONNEL	\$4014.18
 (b) <u>Transportation</u>		
R. G. Simpson - Ford F-150 4WD		
11 days @ \$35.00/day		\$ 385.00
J. G. Collins - Ford F-150 4WD		
15 days @ \$35.00/day		\$ 525.00
	TOTAL TRANSPORTATION	\$ 910.00
 (c) <u>Supplies</u>		
Core boxes - 118 @ \$4.21		\$ 497.02
Sample bags - 236 @ \$.25		\$ 59.00
	TOTAL SUPPLIES	\$ 556.02
 (d) <u>Laboratory</u> - samples processed at Bethlehem's Highland Valley operations		
118 Cu/Mo determinations @ \$8.75		\$1032.50
24 Au assays @ \$4.20		100.80
	TOTAL LABORATORY	\$1133.30
 (e) <u>Living Expenses</u>		
R. G. Simpson for the week ended Dec. 15/79		\$ 21.90
Jan. 5/80		12.51
Jan. 12/80		42.00
	TOTAL LIVING EXPENSES	\$ 76.41

TOTAL BETHLEHEM EXPENDITURES	\$ 6,689.91
TOTAL PROJECT EXPENDITURES	\$53,679.78
TOTAL DRILLING	409.7 m
AVERAGE COST/METRE	\$ 131.02

3. Cost Distribution

<u>Claim</u>	<u>Hole No.</u>	<u>Length</u> (metres)	<u>Cost</u>
LOG 1	L-79-5	203.3	\$26,636.81
LOG 2	L-79-6	206.4	<u>\$27,042.97</u>
			\$56,679.78
			801230
			<u>6469208</u>



205 - 1201 WEST PENDER STREET, VANCOUVER, B.C. CANADA V6E 2V2
AREA CODE 604/683 - 2222

Job 22-908

Bethlehem Copper Corporation
2100 Guinness Tower
1055 West Hastings Street
Vancouver, B.C.
V6E 2H8

INVOICE NO: 9964
DATE: January 2, 1980

SURFACE DIAMOND DRILLING
MISSOULA LAKE, B.C.
DECEMBER 4 - 23, 1979

FOOTAGE FEE

D.D. Hole #79- FS	0 - 302'	302' @ 20.50	6,191.00	
#79-6	0 - 677'	677' @ lump sum	17,000.00	
		979'	23,191.00	
Credit:	23' @ 24.00		(552.00)	22,639.00

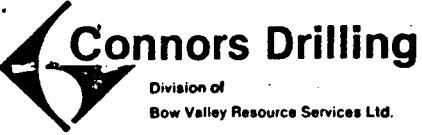
FIELD COST WORK

DATE	SHIFT	MAN HRS.	DRILL HRS.	REMARKS
Dec. 5/79	Day	9	0	Clearing road to drill site with power saw
6	"	10	5	Looking for water
7	"	4	2	Wait for water
10	"	8	4	" " " } delete - discussed with Dick Griffiths - Jan. 2/80
		31 13	11 5	
Total man hours		19 31	@ 22.50	697.50 \$ 427.50 / 527.50
Total drill hours		5 11	@ 20.00	220.00 \$ 100.00 / 917.50

revised 1979
by

pay - City in 86

23,556.50
→ \$ 22896.50
23,166.50
14-938
A
9964



Connors Drilling

Division of
Bow Valley Resource Services Ltd.

205 - 1201 WEST PENDER STREET, VANCOUVER, B.C. CANADA V6E 2V2
AREA CODE 604/683 - 2222

JAN - 9 1980

Job 22-908

• Bethlehem Copper Corporation
2100 Guinness Tower
1055 West Hastings Street
Vancouver, B.C.
V6E 2H8

INVOICE NO: 9983
DATE: January 8, 1980

SURFACE DIAMOND DRILLING
MISSOULA LAKE, B.C.
DECEMBER 31, 1979

THIRD PARTY CHARGE (copy attached)
Harla Water Service statement

Plus 15% 3,600.00
 540.00

4,140.00

(1979 Account)

14-938

A/P

A handwritten signature or initials, possibly 'A' or 'H', written in dark ink.

9983

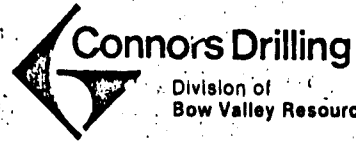
STATEMENT

HARLA WATER SERVICE
 Box 2566
 MERRITT, B.C.

DATE Dec 31 19 79

CONNORS DRILLING LTD
Box 1657 MERRITT, B.C.

DATE	DETAILS	DEBIT	CREDIT	BALANCE
	WATER TRUCK.			
	RENTAL			
	18 days @ 200.00 per day			
	AMOUNT OWING			<u>3600.00</u>



Division of
 Bow Valley Resource Services Ltd.

Suite 205, 1201 West Pender Street - Vancouver, B.C., Canada V6E 2V2

Dec 31 19 79

TO Harla Water Service
Box 2566
Merritt

PLEASE DELIVER TO US AT _____

VIA _____

QUAN.	DESCRIPTION (Goods or Services)	PART NO.	PRICE
	Water truck with operator at 200 ⁰⁰ per day		
	for 18 days		3600 ⁰⁰
	Rebil Bathlow plus 15%.		
			3600 ⁰⁰

an on b

R 1/11/79



205 - 1201 WEST PENDER STREET, VANCOUVER, B.C. CANADA V6E 2V2
AREA CODE 604/683 - 2222

Job 22-908

Bethlehem Copper Corporation
2100 - 1055 West Hastings Street
Vancouver, B.C.
V6E 2H8

INVOICE NO: 10018
DATE: January 30, 1980

SURFACE DIAMOND DRILLING
MISSOULA LAKE, B.C.
JANUARY 1 - 17, 1980

FOOTAGE FEE

D.D. Hole #L-79-5	0 - 302'	302' @ Field Cost	
	302 - 677'	375' @ 20.50	7,687.50 -
		677'	

FIELD COST WORK

<u>DATE</u>	<u>SHIFT</u>	<u>SHIFT HRS.</u>	<u>REMARKS</u>	
Jan. 3/80	Day	5	Moving to hole L-79-5	
4	"	10	Finish moving & set up	
5	"	2½	Reamed HQ & HW to 16'	
"	"	7	Move storage tanks & haul water	
"	Night	10	Reaming 16 - 82'	
6	Day	10	" 82 - 162'	
"	Night	10	" 162 - 262'	
7	Day	9	" HQ - NW	
"	Night	10	" and fishing for core barrel	
8	Day	8	" rods to 302'	
"	"	1	Change mud and flush hole	
11	"	6½	Fighting sand fault	
"	Night	6	Recovering H casing	
14	Day	4	Attempt to reach drill, arrange for cat	
15	"	3	Wait for road to be cleared	
		- 102 shift hours @ 65.00		6,630.00 -

10018

Job 22-908

• Bethlehem Copper Corporation
 2100 - 1055 West Hastings Street
 Vancouver, B.C.
 V6E 2H8

INVOICE NO: 10018
 DATE: January 30, 1980

- 2 -

SUPPLIES CONSUMED ON FIELD COST

1 - HW casing shoe #12212	411.88	
1 - HQ core bit #22000	821.04	
1 - HQ reaming shell #7U7965 (@ 50% of 439.09)	219.55	✓
1 - HW casing shoe #13027 (@ 50% of 411.88)	205.94	✓
1 - sub NW/C pin to HQ rod box	59.75	
56 - 2# bags Quick Trol @ 7.80	436.80	✓
11 - 50# bags Quick Gel @ 4.80	52.80	✓
2 - 50# bags CC-16 @ 25.00	50.00	✓
	<u>2,257.76</u>	✓
4% tax (on sub & mud)	23.97	✓
Freight on mud; 762# @ 3.64c	27.74	✓
	<u>2,309.47</u>	✓
Plus 15%	346.42	✓
		2,655.89 ✓

WATER TRUCK RENTAL (copy attached)

Harla Water Service statement	1,600.00	✓	
Plus 15%	240.00	✓	
			1,840.00 ✓

D6 CAT CHARGES

Dec. 10/79	9 hours	✓	
Jan. 15/80	8 "	✓	
	<u>17 hours @ 44.50</u>	✓	
	Plus 15%		
	756.50	✓	
	<u>113.48</u>	✓	
			869.98 ✓
			19,683.37 ✓

14-938





Connors Drilling

Division of
Bow Valley Resource Services Ltd.

Suite 205, 1201 West Pender Street - Vancouver, B.C., Canada V6E 2V2

Dec 10 1979

TO JERWAY CONTRACTING LTD.
P.O. BOX 435
PRINCETON B.C.

PLEASE DELIVER TO US AT Beth Miner
VIA

QUAN.	DESCRIPTION (Goods or Services)	PART NO.	PRICE
		PER HR	
	Road work		44.50
	D.G.C.		
	9 hrs		
CHARGE TO CLIENT			
R YH?			

PROJECT NO.
22-908

CONNORS DRILLING

PER AL W. [Signature]

13121

FIELD PURCHASE ORDER

SECTION C - STATEMENT OF QUALIFICATIONS

RONALD GRAHAM SIMPSON

1. Attended the University of British Columbia and graduated in May 1975 with a B.Sc. degree in Geology.
2. Employed by the Geological Survey of Canada in their Vancouver office from May 1975 to April 1976.
3. Commenced employment with Bethlehem Copper Corporation in April 1976 and has been continuously employed by this firm and involved in the following activities:-
 - (a) Summer 1976 - Exploration geologist attached to the Bear-Twit Project, a diamond drilling venture in the MacKenzie Mountains of the Northwest Territories.
 - (b) Fall 1976 - Project Geologist on a percussion drilling program in West-central BC.
 - (c) Winter-Spring 1977 - Project Geologist on a diamond drilling program at Bethlehem's Highland Valley copper mine.
 - (d) Summer 1977 - Project Geologist in charge of the Plateau Joint Venture, a large scale regional program in the Taseko Lakes area of south-central BC.
 - (e) Fall 1977 - Project Geologist in charge of a percussion drilling program in the Nadina Lake area of West-central BC.
 - (f) Summer 1978 - In charge of the second phase of the Plateau Project (see (d)).
 - (g) Sept. 1978 to May 1979 - Project Geologist on a diamond drilling program at Bethlehem's Highland Valley operations.
 - (h) May 1979 to Oct. 1979 - Project Geologist in charge of the Guichon Project, a regional program in the general Highland Valley area.

SECTION D - MINERAL TITLE

Property:

Missezula Lake Project

Mining Division:

Nicola

Name of Claim	Record Number	Metal Tag Number	Date Recorded	Expiry Date
LOG # 1 (12 units)	26 (8) \$2400 Annual Work;	06803	Aug. 28, 1975	Aug. 28, 1987
LOG # 2 (16 units)	27 (8) \$3200 Annual Work;	06804	Aug. 28, 1975	Aug. 28, 1986
LOG # 3 (12 units)	28 (8) \$2400 Annual Work;	06805	Aug. 28, 1975	Aug. 28, 1986
LOG # 4 (16 units)	29 (8) \$3200 Annual Work;	06806	Aug. 28, 1975	Aug. 28, 1987

SECTION E - DRILL HOLE DATA

Drill Hole Record

Drill Hole Logs - L-79-5
L-79-6

Laboratory Reports



BETHLEHEM
COPPER
CORPORATION

DIAMOND DRILL HOLE LOG

Property MISSEZULA LAKE

Area: LOG 1 CLAIM

Purpose: Investigation of I.P. anomaly

Az.

Dip: -90

Horiz.

Vert.

Latitude: 100, 150 N

Departure: 99,400 E

Elevation: 1290 m

Length: 667'

Overburden: 12'

Hole No. L-79-5

Commenced: Dec. 6, 1979

Completed: Jan 11, 1980

Logged by: R.G.S.

Sheet No. 1 of 10

GENERAL DESCRIPTION (Geology)	SULPHIDES			ALTERATION			VEINING	FAULTS	ROD		CORE REC. %	HOLE DEPTH TAG NO.	ASSAYS			GRAPHIC LOG REMARKS	
	Py to Cp	Bn to Cp	% Py	Ms	Cl	Ep			Frac. Den.	%			Cu %	Mo %	Au OZ/Ton		
0 - 12 Overburden							Thin CA stringers common @ 45 & 30°					12					Limonite coating
NICOLA GROUP 12 - 95 Mainly interbedded tuffs and coarser volcanoclastics. Moderate bedding dips approx - 45°												10	.02	-			fractures, mainly jarosite & goethite
							"					20					
												9001					
12 - 55 Med to dark grey, fine grained volcanoclastic. Faint bedding and sedimentary structures (slumping, rip-up clasts) are evident locally. Bedding @ 45° right way up.							"					20	.01	-			"
												30					
												9002					
55 - 57 Gradation to mottled grey- green andesitic rock.							"					30					
												40	.01	-	tr		"
												9003					
57 - 89 Fine-grained, mottled grey- green andesite, tuffaceous in part w/ occasional rounded mafic ppv fragments. Lower contact sharp irregular and poorly defined.					M	W	"					40					"
												50	.02	-			Py on fractures
												9004					
89 - 93 Lithic tuff; med to light grey, fine to med gr. tuffaceous sediment containing lithic fragments							"					50	.01	-			"
												60					
												9005					
89 - 93 Lithic tuff; med to light grey, fine to med gr. tuffaceous sediment containing lithic fragments					M	W	Thin CA & CL str ^S common					60					
												70	.01	-			
												9006					
89 - 93 Lithic tuff; med to light grey, fine to med gr. tuffaceous sediment containing lithic fragments							"					70					"
												80	.01	-			
												9007					



BETHLEHEM
COPPER
CORPORATION

DIAMOND DRILL HOLE LOG

Latitude: _____ Hole No. L-79-5
 Departure: _____ Commenced: _____
 Elevation: _____ Completed: _____
 Length: _____ Logged by: _____
 Overburden: _____ Sheet No. 2 of 10

Property: _____ Az. _____ Dip: _____
 Area: _____ Horiz. _____ Vert. _____
 Purpose: _____

GENERAL DESCRIPTION (Geology)	SULPHIDES			ALTERATION			VEINING	FAULTS	RQD		CORE REC. %	HOLE DEPTH TAG NO.	ASSAYS			GRAPHIC LOG		
	Py to Cp	Bn to Cp	% Py	Ms	Cl	Ep			Frac. Den.	%			Cu %	Mo %	Au oz/ton	✕	REMARKS	
up' to 1 mm in diameter							OZ-CA str ^S fairly common					80 to 9008						
93 - 95 As above but w/ interbeds of pale green tuff and coarser volcaniclastics @ 45° w/ pale, coarse, angular fragments present.					M	W	"	91-92 Fault zone w/ gouge ~45°	M	-S	95	90 to	.01	-	.007			
NICOLA DIORITE (?) 95 - 649.5					S	M	EP & CL veining Few CA str ^S					100 to	.01	-				Red, earthy HE on fractures locally
95 - 147.5 Hornblende (?) Prophyry Dark green fine grained andesite containing HB (?) laths: 2 mm exhibiting a slight preferred orientation @ 45° to core axis. Chlorite and epidote alteration obscures original texture.					S	M	"		W	-M	99	110 to	-	-				"
					S	S	"					120 to	.01	-				"
					S	S	CL, EP, CA veining strong	133-135 Fault zone shears common	S		95	130 to	.01	-				"
147.5 - 154 As above but weaker HB phenocryst development					S	S	"	small shears common	S		95	140 to	.01	-				"



BETHLEHEM
COPPER
CORPORATION

DIAMOND DRILL HOLE LOG

Latitude: _____ Hole No. I-79-5
 Departure: _____ Commenced: _____
 Elevation: _____ Completed: _____
 Length: _____ Logged by: _____
 Overburden: _____ Sheet No. 3 of 10

Property: _____ Az. _____ Dip: _____
 Area: _____ Horiz. _____ Vert. _____
 Purpose: _____

GENERAL DESCRIPTION (Geology)	SULPHIDES			ALTERATION			VEINING	FAULTS	RQD		CORE REC. %	HOLE DEPTH TAG NO.	ASSAYS			GRAPHIC LOG	
	Py to Cp	Bn to Cp	% Py	Ms	Cl	Ep			Frac. Den.	%			Cu %	Mo %	Au OZ/ton	◊	REMARKS
154 - 371 HB (?) - FP Porphyry Fine gr. diorite to andesite, Dark green w/ FP & mafic phenos 1/2 2 mm in variable proportions. Strong chlorite - epidote alt ⁿ							CL, EP, CA veining common @ 45° & 75°	strongly sheared	S		98	150 to 9105	.01	-			
				S	S		"	few shears	S		98	160 to	.01	-	tr		
190.5 Faint foliation @ 45°												170 to	.02	-			
210 - 250 Same as above but med. grey colour				S	S		"		M		98	180 to	.02	-			
				S	S		"	182.5-190 Fault zone subparallel to core	S		80	180 to	.02	-			
				-VS				192-196 shear zone	S		90	190 to	.01	-			
							195' OZ vlets @ 45°	45° (?)									
				S	S		CL - CA - EP veining common	strongly sheared	M -S		95	200 to	.01	-			
				S	S		"	"	M -S		97	210 to 9021	.01	-			



BETHLEHEM
COPPER
CORPORATION

DIAMOND DRILL HOLE LOG

Latitude: _____ Hole No. L-79-5
 Departure: _____ Commenced: _____
 Elevation: _____ Completed: _____
 Length: _____ Logged by: _____
 Overburden: _____ Sheet No. 4 of 10

Property _____ Az. _____ Dip: _____
 Area: _____ Horiz. _____ Vert. _____
 Purpose: _____

GENERAL DESCRIPTION (Geology)	SULPHIDES			ALTERATION			VEINING	FAULTS	RQD		CORE REC. %	HOLE DEPTH TAG NO.	ASSAYS			GRAPHIC LOG	
	Py to Cp	Bn to Cp	% Py	Ms	Cl	Ep			Frac. Den.	%			Cu %	Mo %		REMARKS	
					S	S	CL, EP, CA veining common	222-223 shear zone	S		96	220 to	.01	-			
					S	M	CA str ^S common, few CL & EP str ^S		S		97	9022 230 to	.01	-			
250 - 304 Strongly chloritized, epidotized & sheared					S	S	EP veining common CA str ^S common	249-253 shattered zone	S		85	240 to	-	-			
					S	S	"	257-271 shear zone	VS		75	250 to	.01	-			
					VS	VS	"		VS		45	260 to	.02	-			
					VS	VS	"		S		90	270 to	.01	-			
					VS	VS	"	strong shearing	S		90	280 to	.01	-			
												9028					



BETHLEHEM
COPPER
CORPORATION

DIAMOND DRILL HOLE LOG

Latitude:	Hole No. L-79-5
Departure:	Commenced:
Elevation:	Completed:
Length:	Logged by:
Overburden:	Sheet No. 5 of 10

Property	Az.	Dip:
Area:	Horiz.	Vert.
Purpose:		

GENERAL DESCRIPTION (Geology)	SULPHIDES			ALTERATION			VEINING	FAULTS	RQD		CORE REC. %	HOLE DEPTH TAG NO.	ASSAYS			GRAPHIC LOG	
	Py to Cp	Bn to Cp	% Py	Ms	Cl	Ep			Frac. Den.	%			Cu %	Mo %	Au oz/ton	☒	REMARKS
298' core barred twisted off in loose, caving ground - hole temporarily abandoned on Dec. 11/79					VS	VS	Strong EP & CL veining			S	95	290 10 298 9029	.01	-			
Jan. 5, 1980 Hole reamed to 298 w/ HQ bit, core barrel retrieved & coring w/ NQ				S		S	few EP & CL str ^S			VS	95	299 10 310 9082	.02	-			
304 - 333 Dark green to grey fine gr/ diorite to andesite variably FP & HB ppytic w/ strong EP-CL alt ⁿ					M	M	"			M	97	310 10 320 9083	.01	-			
333 - 343 v. strong EP veining & alteration, mod-strong CL ⁿ					-S	-S	Thin CA & QZ str ^S common, few EP vlets & str ^S			S	90	330 10 9084	.01	-			
343 - 371 Less EP veining QZ - CA str ^S common					M	M	EP str ^S & vlets abundant w/ QZ assoc. Most @ 60-80°			M	96	340 10 9085	.01	-			
371 - 570 Fine gr. diorite Dark green, masive, fairly uniform appearance. Original texture rendered indistinct by propylitic alt ⁿ (CL & EP) FP ppytic sections occur locally but are not distinct					-S	-VS	EP & QZ - CA str ^S common, few EP vlets			M	97	350 10 9086 360 10 9087	.01	-		tr	



BETHLEHEM
COPPER
CORPORATION

DIAMOND DRILL HOLE LOG

Latitude:	Hole No. <u>L-79-5</u>
Departure:	Commenced:
Elevation:	Completed:
Length:	Logged by:
Overburden:	Sheet No. <u>6</u> of <u>10</u>

Property	Az.	Dip:
Area:	Horiz.	Vert.
Purpose:		

GENERAL DESCRIPTION (Geology)	SULPHIDES			ALTERATION			VEINING	FAULTS	ROD		CORE REC. %	HOLE DEPTH TAG NO.	ASSAYS			GRAPHIC LOG	
	Py to Cp	Bn to Cp	% Py	Ms	Cl	Ep			Frac. Den.	%			Cu %	Mo %	Au oz/ton	✕	REMARKS
							EP & QZ str ^S common					360 to	.01	-			
				M		S				M	97						
				-S								9088					
							Thin CA, QZ & EP str ^S common					370 to	.01	-			
				M		M				S	90						
				-S		-S											
							"					380 to	.01	-			
				M		M				M	85						
				-S		-S				-S							
							"	396 minor trough @ 50'				390 to	.01	-			
				M		M				M	98						
				-S		-S				-S							
							"					400 to	.01	-	tr		
							"			M	95						
							"					410 to	.01	-			
							"			M	97						
							"	422-23 pore sections @ ~ 50'				420 to	.01	-			
							"			M	96						
							"			-S		9094					



BETHLEHEM
COPPER
CORPORATION

DIAMOND DRILL HOLE LOG

Latitude:	Hole No. L-79-5
Departure:	Commenced:
Elevation:	Completed:
Length:	Logged by:
Overburden:	Sheet No. <u>7</u> of <u>10</u>

Property	Az.	Dip:
Area:	Horiz.	Vert.
Purpose:		

GENERAL DESCRIPTION (Geology)	SULPHIDES			ALTERATION			VEINING	FAULTS	RQD		CORE REC. %	HOLE DEPTH TAG NO.	ASSAYS		GRAPHIC LOG		
	Py to Cp	Bn to Cp	% Py	Ms	Cl	Ep			Frac. Den.	%			Cu %	Mo %	<input checked="" type="checkbox"/>	REMARKS	
							EP vlets & str ^s					430					
					M	S	common. Few QZ		M		97	to	.01	-			
					-S		str ^s										
												9095					
												440					
					"	"	"		S		95	to	.01	-			
								450-451				450					
					"	"	"	shear	VS		94	to	.01	-			
								zone									
					"	"	"	shears				460					
								common	S		96	to	.03	-			
					"	"	"					470					
									W		99	to	.02	-			
									-M								
					"	"	"										
									M		97	to	.02	-			
												9100					
					"	"	EP-QZ vlets &					490					
							str ^s common		W		99	to	.01	-			
												9101					



BETHLEHEM
COPPER
CORPORATION

DIAMOND DRILL HOLE LOG

Latitude:	Hole No. L-79-5
Departure:	Commenced:
Elevation:	Completed:
Length:	Logged by:
Overburden:	Sheet No. 8 of 10

Property	Az.	Dip:
Area:	Horiz.	Vert.
Purpose:		

GENERAL DESCRIPTION (Geology)	SULPHIDES			ALTERATION			VEINING	FAULTS	ROD		CORE REC. %	HOLE DEPTH TAG NO.	ASSAYS			GRAPHIC LOG	
	Py to Cp	Bn to Cp	% Py	Ms	Cl	Ep			Froc. Den.	%			Cu %	Mo %	Au oz/ton	✕	REMARKS
							EP-QZ vlets common					500					
					S	S	EP & QZ str ^s common		W		99	to	.01	-	.007		
												9107					
					S	S	"		W		99	to	.01	-			
												520					
					S	S	"		W		99	to	.02	-			
												530					
					S	S	"		W		99	to	.01	-			
												540					
					S	S	"		W		99	to	.02	-			
												550					
					S	S	"		W		99	to	.01	-			
												560					
					S	S	"		W		99	to	.01	-			
												9108					



BETHLEHEM
COPPER
CORPORATION

DIAMOND DRILL HOLE LOG

Latitude: _____ Hole No. L-79-5
 Departure: _____ Commenced: _____
 Elevation: _____ Completed: _____
 Length: _____ Logged by: _____
 Overburden: _____ Sheet No. 9 of 10

Property: _____ Az. _____ Dip: _____
 Area: _____ Horiz. _____ Vert. _____
 Purpose: _____

GENERAL DESCRIPTION (Geology)	SULPHIDES			ALTERATION			VEINING	FAULTS	RQD		CORE REC. %	HOLE DEPTH TAG NO.	ASSAYS			GRAPHIC LOG	
	Py to Cp	Bn to Cp	% Py	Ms	Cl	Ep			Frac. Den.	%			Cu %	Mo %	Au oz/ton	⊗	REMARKS
							EP-QZ vlets common; QZ-CA & EP str ^S common					570 to 9109	.01	-			
												580 to	.01	-			
590 - 649.5 Porphyritic texture, Dark green fine-med gr. groundmass w/ altered FP & PX phenos. Mafic (HB?) phenocrysts are preferen- tially oriented @ 80-90° to vert. axis (oriented horizontally to bedding?) There is a gradational increase in amount and size of phenocrysts from 590'.							few EP & QZ vlets EP, QZ & CA str ^S fairly common					590 to 600	.02	-			
					S	M -S	"					600 to 610	.03	-	tr		
							"					610 to 620	.02	-			
							"					620 to 630	.04	-			
							"					630 to 9115	.02	-			



BETHLEHEM
COPPER
CORPORATION

DIAMOND DRILL HOLE LOG

Latitude: _____ Hole No. L-79-5
 Departure: _____ Commenced: _____
 Elevation: _____ Completed: _____
 Length: _____ Logged by: _____
 Overburden: _____ Sheet No. 10 of 10

Property: _____ Az. _____ Dip: _____
 Area: _____ Horiz. _____ Vert. _____
 Purpose: _____

GENERAL DESCRIPTION (Geology)	SULPHIDES			ALTERATION			VEINING	FAULTS	ROD		CORE REC. %	HOLE DEPTH TAG NO.	ASSAYS			GRAPHIC LOG	
	Py to Cp	Bn to Cp	% Py	Ms	Cl	Ep			Frac. Den.	%			Cu %	Mo %		REMARKS	
NICOLA GROUP 649.5 - 663							Few QZ-CA str ^S					640					
contact indistinct						W			W	98		to	.02	-			
649.5 - 663 Grey-green mottled andesite. Lower contact sharp @ 70°												650					
												9116					
663 - 666 Epivolcaniclastics, med. grained w/ lt to dark grey, angular volcanic fragments = 1 mm diam. w/in a dk, grey, fine gr. matrix.									M	98		650	.02	-			
												660					
												9117					
									M			660	.03	-			
									-S			to				tr	
666 - 667 Dk grey to black laminated siltstone w/ laminae @ 50° (-40° dip). Contact poorly exposed due to shattering but it is sharp and it appears that the siltstone may be a large fragment.												667					
												9118					
												to					
667 End of hole												to					
												to					
												to					
												to					



BETHLEHEM
COPPER
CORPORATION

DIAMOND DRILL HOLE LOG

Property MISSEZULA LAKE

Area: IXG 3 claim

Purpose: Test of SW. IP analy

Az.

Dip: -90

Horiz.

Vert.

Latitude: 98,700 N

Departure: 99,750 E

Elevation: 1270 m

Length: 677'

Overburden: 11'

Hole No. I-79-6

Commenced: Dec. 12/79

Completed: Dec. 23/79

Logged by: R.G.S.

Sheet No. 1 of 10

GENERAL DESCRIPTION (Geology)	SULPHIDES			ALTERATION			VEINING	FAULTS	RQD		CORE REC. %	HOLE DEPTH TAG NO.	ASSAYS			GRAPHIC LOG	
	Py to Cp	Bn to Cp	% Py	Ms	Cl	Ep			Frac. Den.	%			Cu %	Mo %		REMARKS	
0 - 11' OVERBURDEN									W-		97	11					
BASALT FLOWS 11 - 56 (Pleist-Recent olivine valley basalts)									M			to					
11 - 29 Fine grained, light grey basalt flow, locally fragmented with occasional vesicles. Local flow banding indicates dips of 30° to subhorizontal									M		93	20					flow banding
29' base of flow									M		50	30					ash
29 - 36 Red-brown ash layer poor recovery, semi-consolidated												40					vesicular flow
36 - 56 Vesicular basalt flow (top). Moderately to highly vesicular texture w/ vesicle size ranging from ~1mm to 30 mm in diam. Colour ranges from dk & med greys to brown and reddish brown												60					
FOSSIL OVERBURDEN 56 - 165 56 - 65 Red oxidized earthy material												50					
												60					
												70					
												15					



BETHLEHEM
COPPER
CORPORATION

DIAMOND DRILL HOLE LOG

Latitude:	Hole No. L-79-6
Departure:	Commenced:
Elevation:	Completed:
Length:	Logged by:
Overburden:	Sheet No. 2 of 10

Property:	Az.:	Dip:
Area:	Horiz.:	Vert.:
Purpose:		

GENERAL DESCRIPTION (Geology)	SULPHIDES			ALTERATION			VEINING	FAULTS	RQD		CORE REC. %	HOLE DEPTH TAG NO.	ASSAYS			GRAPHIC LOG		
	Py to Cp	Bn to Cp	% Py	Ms	Cl	Ep			Frac. Den.	%			Cu %	Mo %		REMARKS		
65 - 165 fossil overburden boulders, cobbles & pebbles of volcanic & intrusive origin in matrix of yellow-brown clays, and brown sandy material. Very poor recovery. Dark green Nicola volcanic & fragmental rocks dominate as the clasts.												80 to						
												20						
												90 to						
												25						
												100 to						
												50						
												110 to						
												30						
												120 to						
												30						
												130 to						
												20						
												140 to						
												25						



BETHLEHEM
COPPER
CORPORATION

DIAMOND DRILL HOLE LOG

Latitude: _____ Hole No. L-79-6
 Departure: _____ Commenced: _____
 Property: _____ Az. _____ Dip: _____ Elevation: _____ Completed: _____
 Area: _____ Horiz. _____ Vert. _____ Length: _____ Logged by: _____
 Purpose: _____ Overburden: _____ Sheet No. 3 of 10

GENERAL DESCRIPTION (Geology)	SULPHIDES			ALTERATION			VEINING	FAULTS	RQD		CORE REC. %	HOLE DEPTH TAG NO.	ASSAYS			GRAPHIC LOG	
	Py to Cp	Bn to Cp	% Py	Ms	Cl	Ep			Frac. Den.	%			Cu %	Mo %	Au oz/ton	⊗	REMARKS
NICOLA GROUP 165 - 677												150					
EPIVOCANICLASTICS 180-											50	to					
TUFF BRECCIA 165 - 190(?)																	
Fragments of black aphanitic ar- gillaceous rock in light grey green tuffaceous matrix												160		.02	.001		old bedrock surface
172 - 180 dark, incompetent matrix appears very graphitic												9030					
180- CRYSTAL-LITHIC TUFF 190? - 222											30	to		.01	.001	tr	graphitic
very light green to grey tuffaceous volcanic with small 2 mm. Ir- regular crystal clasts and rounded qz. fragments. Quartz veining is prevalent with at least two stages evident from offsets.							OZ veining irregular stringers & veinlets					180		.02	.001		MISLATCH
							"										
VOLCANICLASTIC BRECCIA 222 - 239.5									M -S		98	to		.02	-	.01	
Irregular fragments of black, la- minated, qz. veined graphitic argillite in a med fine gr. grey- green volcaniclastic matrix. Highly shattered from 222 - 237							"		W -M		96	to		.01	-		
							"										
								219 - 220 shear zone W e 10°				210		.01	.001		
												9035					



BETHLEHEM
COPPER
CORPORATION

DIAMOND DRILL HOLE LOG

Latitude: _____ Hole No. L-79-6
 Departure: _____ Commenced: _____
 Elevation: _____ Completed: _____
 Length: _____ Logged by: _____
 Overburden: _____ Sheet No. 4 of 10

GENERAL DESCRIPTION (Geology)	SULPHIDES			ALTERATION			VEINING	FAULTS	RQD		CORE REC. %	HOLE DEPTH TAG NO.	ASSAYS			GRAPHIC LOG	
	Py to Cp	Bn to Cp	% Py	Ms	Cl	Ep			Frac. Den.	%			Cu %	Mo %	Au	<input checked="" type="checkbox"/>	REMARKS
							QZ veining in argillite fragments		M		80	220					
									-VS			to	.01	-			
												9036					
CRYSTAL-LITHIC TUFF 239.5 - 243 as before							"		VS		65	230		.01	.001	tr	
												to					
243 - 244.5 Large fragment of black, argillaceous, laminated (-45) graphitic siltstone w/ qz stringers							"		M		97	240		.01	.001		
												to					
ANDESITE-DACITE FLOW 244.5 - 257.5 similar comp ⁿ & colour to tuff. Finely porphyritic w/ pyroxene crystals showing preferred orien- tation locally (-45°) within a fine gr. lt. green-grey matrix. Plag- ioclaste crystals are also abundant.									M		97	250		.01	.001		
							QZ str ^s common in fragments, few present in matrix		VS		70	260		.02	.001	tr	
												to					
CRYSTAL TUFF 257.5-258.5 contact subtle & gradational							"		W		90	270		.02	.001		
									-VS			to					
BRECCIA 258.5.- 271 as before w/ black graphitic silt- stone fragments, highly sheared & shattered						(Py)	"		S		80	280		.01	.001		
												9042					



BETHLEHEM
COPPER
CORPORATION

DIAMOND DRILL HOLE LOG

Latitude:	Hole No. L-79-6
Departure:	Commenced:
Elevation:	Completed:
Length:	Logged by:
Overburden:	Sheet No. 5 of 10

Property	Az.	Dip:
Area:	Horiz.	Vert.
Purpose:		

GENERAL DESCRIPTION (Geology)	SULPHIDES			ALTERATION			VEINING	FAULTS	RQD		CORE REC. %	HOLE DEPTH TAG NO.	ASSAYS			GRAPHIC LOG		REMARKS
	Py to Cp	Bn to Cp	% Py	Ms	Cl	Ep			Frac. Den.	%			Cu %	Mo %	Au	<input type="checkbox"/>	<input type="checkbox"/>	
FLOW BRECCIA 271 - 278 contact gradational. Med to dark grey, fine grained fragments within pale green-grey tuffaceous rock containing abundant small pyroxene xtals.			var 2-5%						M -S		90	290 to 9043	.01	.001				
CRYSTAL TUFF 278 - 280.5																		
FLOW BRCC 280.5 - 278 as before			"						VS		50	310 to	.01	-				
DEFORMED SILTSTONE 280.5 - 301 Black, highly deformed brecciated pyritic siltstone w/ strong Qz veining (pre-def ⁿ) giving zebra texture appearance.			"						VS		50	320 to	.01	TR				
296.5 - 298 Deformed lt. grey vol- caniclastic w/ bedding ~ 45°									VS		90	330 to	.01	-				
FAULT ZONE 301 - 331 Gouge - black, graphitic sooty sections and pale grey clayey sections alternately. Py common locally																		
318 - 325 Black, highly organic silt- stone, coal-like appearance																		
325 - 331 Gouge; tuffaceous rock									VS		90	350 to 9049	.01	-				



BETHLEHEM
COPPER
CORPORATION

DIAMOND DRILL HOLE LOG

Latitude: _____ Hole No. L-79-6
 Departure: _____ Commenced: _____
 Elevation: _____ Completed: _____
 Length: _____ Logged by: _____
 Overburden: _____ Sheet No. 6 of 10

Property: _____ Az. _____ Dip: _____
 Area: _____ Horiz. _____ Vert. _____
 Purpose: _____

GENERAL DESCRIPTION (Geology)	SULPHIDES			ALTERATION			VEINING	FAULTS	RQD		CORE REC. %	HOLE DEPTH TAG NO.	ASSAYS			GRAPHIC LOG	
	Py to Cp	Bn to Cp	% Py	Ms	Cl	Ep			Frac. Den.	%			Cu %	Mo %	Au	◊	REMARKS
CRYSTAL TUFF 331 - 344 highly shattered tuffaceous rock lt. green-grey			Py				QZ veining moderate	364 minor gouge @10°	VS		97	360 to 9050	.01	-			
FAULT GOUGE 344 - 356 Black, sooty gouge w/ light tuff- aceous fragments and sections							"		M -VS		98	370 to	.01	TR	tr		
TUFFACEOUS VOLC. 356 - 364 pale green, highly sheared & shattered tuffaceous rock.							"		M		97	380 to	.01	-			
TUFF & ASH-FLOW BRCC 364 - 396 Mainly pale green tuffaceous rocks w/ occasional banding @ 45°. Short breccia sections containing							few EP str ^S QZ & QZ-HE str ^S common to abundant		W -M		96	390 to	.01	-			
black siltstone fragments occur sporadically & contain Py as blebs & disseminations.							"		W -M		98	400 to	.01	-			
395 - 397 Gradational contact from pale green tuffaceous volc to darker green andesitic flow.							weak QZ veining				97	410 to	.01	-			
ANDESITE FLOW 396 - 406							QZ str ^S common	424-425 healed gouge @20°	M		97	420 to 9056	.01	-			



BETHLEHEM
COPPER
CORPORATION

DIAMOND DRILL HOLE LOG

Latitude:	Hole No. L-79-6
Departure:	Commenced:
Elevation:	Completed:
Length:	Logged by:
Overburden:	Sheet No. 1 of 10

Property	Az.	Dip:
Area:	Horiz.	Vert.
Purpose:		

GENERAL DESCRIPTION (Geology)	SULPHIDES			ALTERATION			VEINING	FAULTS	ROD		CORE REC. %	HOLE DEPTH TAG NO.	ASSAYS			GRAPHIC LOG	
	Py to Cp	Bn to Cp	% Py	Ms	Cl	Ep			Frac. Den.	%			Cu %	Mo %	Au	REMARKS	
396 - 406 Med to dark green andesite med fine grained. Abundant QZ str ^s irregular and discontinuous. QZ-HE or jasperoid str ^s also present. Flow banding @ 45° common									W		98	430 to 9057	.01	-			
TUFF 406 - 421 Pale green, gradational contact w/ overlying ANDS									W		97	440 to	.01	-			
TUFF BRECCIA 421 - 614.5 Pale grey quartzose, clastics matrix containing pale yellow to near white tuff fragments which are oriented at -45°							QZ veining common irreg. & discont. str ^s		W		96	460 to	.01	-	.007		HE on fractures
442 - 445 Irregular flow banding in matrix							Few EP-QZ str ^s					470 to					"
448 - 459 Tuff less brecciated Med. green colour					M	M	"		W		98	480 to	.01	-			"
459 - 463 Banding @ 30° pale green tuff fragments					-S	-S	"		W		97	480 to	.01	-			"
463 - 466 Gradational contact ANDESITE 466 - 610 Med to dark green, Med-fn. gr. andesite flows w/ minor					M	M	EP & QZ str ^s common		W		98	490 to	.01	-			"
					-S							9063					



BETHLEHEM
COPPER
CORPORATION

DIAMOND DRILL HOLE LOG

Latitude: _____ Hole No. L-79-6
 Departure: _____ Commenced: _____
 Elevation: _____ Completed: _____
 Length: _____ Logged by: _____
 Overburden: _____ Sheet No. 8 of 10

GENERAL DESCRIPTION (Geology)	SULPHIDES			ALTERATION			VEINING	FAULTS	ROD		CORE REC. %	HOLE DEPTH TAG NO.	ASSAYS			GRAPHIC LOG	
	Py to Cp	Bn to Cp	% Py	Ms	Cl	Ep			Froc. Den.	%			Cu %	Mo %	Au	<input type="checkbox"/>	REMARKS
interbedded tuff beds, usually pale brown-white					S	VS	QZ & EP str ^S common				98	500 to	.01	-	.007		HE on fractures & shears
531 - 537 White tuffaceous interbed strongly sheared w/ minor gouge												9064					
537 - 610 Andesite flow rocks. Med fine gr, dk green, pyroxene crystals ± 3 mm in finer gr, chloritized & epidotized matrix.					S	VS	"				97	510 to	.01	-			"
QZ & EP veining is strong. QZ-HE str ^S seem to be latest stage of veining, cutting older QZ & EP str ^S					S	S	"				70	520 to	.01	-			MISLATCH
					S	VS	"	small shears common			80	530 to	.01	-			HE locally on shears & w/ QZ- EP str ^S
					S	VS	EP & QZ str ^S abundant				98	540 to	.01	-			"
					S	VS	"	"			99	550 to	.01	-			"
					S	VS	"				99	560 to	.01	-			"
												9070					



BETHLEHEM
COPPER
CORPORATION

DIAMOND DRILL HOLE LOG

Latitude: _____ Hole No. L-79-6
 Departure: _____ Commenced: _____
 Elevation: _____ Completed: _____
 Length: _____ Logged by: _____
 Overburden: _____ Sheet No. 9 of 10

Property: _____ Az. _____ Dip: _____
 Area: _____ Horiz. _____ Vert. _____
 Purpose: _____

GENERAL DESCRIPTION (Geology)	SULPHIDES			ALTERATION			VEINING	FAULTS	RQD		CORE REC. %	HOLE DEPTH TAG NO.	ASSAYS			GRAPHIC LOG	
	Py to Cp	Bn to Cp	% Py	Ms	Cl	Ep			Frac. Den.	%			Cu %	Mo %	Au	✕	REMARKS
610 - 614.5 becoming lighter in colour, finer gr & more tuffaceous					S	VS	QZ-EP, QZ & QZ He. str ^s & vlets common to abundant Most @ 60-85°					570 to 9071	.01	-	tr		Dk. red He. w/ QZ & on fractures
					S	VS	"					580 to	.01	-			"
TUFF 610 - 645.5																	
610 - 618.5 Pale green tuff & crystal tuff					S	VS	"					590 to	.01	-			"
618.5 - 621 Very light yellow-green tuff - contact sharp @ 45°					S	VS	"					600 to	.01	-			"
621 - 624 breccia section med. grey laminated volcanoclastics & black laminated siltstone																	
fragments in pale green tuff, matrix - possibly a submarine ash flow						S	"	614.5 shear @ 45°				610 to	.01	-			"
							Few QZ str ^s					620 to	.01	-	tr		Py in black argillaceous fragments
624 - 633 Pale yellow green tuff			Py														
633 - 634 Large sooty black siltstone fragment w/ Py																	
634 - 645.5 highly fractured & shattered pale tuffaceous rocks			Py					634 strongly shattered				630 to 9077	.01	-			"



BETHLEHEM
COPPER
CORPORATION

DIAMOND DRILL HOLE LOG

Latitude: _____ Hole No. L-79-6
 Departure: _____ Commenced: _____
 Elevation: _____ Completed: _____
 Length: _____ Logged by: _____
 Overburden: _____ Sheet No. 10 of 10

Property: _____ Az. _____ Dip: _____
 Area: _____ Horiz. _____ Vert. _____
 Purpose: _____

GENERAL DESCRIPTION (Geology)	SULPHIDES			ALTERATION			VEINING	FAULTS	RQD		CORE REC. %	HOLE DEPTH TAG NO.	ASSAYS			GRAPHIC LOG	
	Py to Cp	Bn to Cp	% Py	Ms	Cl	Ep			Frac. Den.	%			Cu %	Mo %	Au	<input type="checkbox"/>	REMARKS
645.5 - 649 Gauge section - black sooty graphitic material apparent dip of 60° (30° to vert core axis)			Py						VS		75	640 to 9078	.01	-			
LAMINATED VOLCANICLASTICS																	
649 - 677 EOH			Py									650 to	.01	-	tr		
649 - 665.5 White to lt & med & dk grey laminated volcanoclastic med to fine grained laminae w/ volcanic fragments flattened and elongated along lamination planes. Fine grained PY is common in darker fine grained sections and appears to be syngenetic. Laminae normally dip @ 45° but occasionally steeper to as much as 60° over small sections			Py									660 to	.01	-			
665.5 - 677 EOH FLOW BRECCIA Larger pale grey to near white tuffaceous fragments in dark grey fine gr. matrix. Fragments range from ~1mm up to several cm ² in diameter, are variably angular & show elongation & flattening along laminae/bedding plane @ 45° (up to 60° locally)			Py									670 to 677 9081	.01	-	.007		
												to					
												to					
												to					

ASHCROFT, B.C.

DATE Dec 14, 1929

GEOLOGY - Cu

SHIFT _____

	D. Drill CU	WEIGHT TAKEN	L-79-5			ASSAY % Cu
1	9001	2.22g	12-20			.02
2	9002		20-			.01
3	9003					.01
4	9004					.02
5	9005					.01
6	9006					.01
* 7	9007		70-80			.01
8	9009		90-100			.01
9	9010					.01
10	9011					—
11	9012					.01
12	9013					.01
13	9014					.01
14	9015					.01
15	9016					.01
16	9017					.02
17	9018					.02
18	9019					.01
19	9020		200-10			.01
20	9021		210			.01
21	9022		220			.01
22	9023					.01
23	9024					—
24	9025		250-60			.01
25						
26						
27						
28						
29						
30						

* NOTE 9008 MISSING.

ASSAYER _____

+ P.M.

WHELEHEM COPPER CORPORATION LTD

ASHCROFT, B.C.

DATE DEC 14 19 79

GEOLOGY Mo

SHIFT II

	D. DRILL	WEIGHT TAKEN	(Mo)	L-79-5		ASSAY %Mo
1	9001	2 1/2 x 50		12-20		φ
2	9002					φ
3	9003					φ
4	9004					φ
5	9005					φ
6	9006					φ
7	9007					φ
8	9008 +	MISSING				
9	9009					φ
10	9010					φ
11	9011					φ
12	9012					φ
13	9013					φ
14	9014					φ
15	9015					φ
16	9016					φ
17	9017					φ
18	9018					φ
19	9019					φ
20	9020					φ
21	9021					φ
22	9022					φ
23	9023					φ
24	9024					φ
25	9025					φ
26						φ
27						
28						
29						
30						

ASSAYER PM + JFS

PHILEAS COPPER CORPORATION LTD.

ASHCROFT, B.C.

DATE DEC. 15 19 79

GEOLOGY - Cu

SHIFT III

	D. DRILL	WEIGHT TAKEN	L-79-5 (Cu)				ASSAY % Cu
1	9026	1/2 x 250	260-70				.02
2	9027						.01
3	9028						.01
4	9029		²⁵⁸ 290-206				.01
5			6-1949				
6	10972	1/2 x 250	960-910				.02
7	10973						.10
8	10974		980-993	E.O.N.			.01
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

ASSAYER JTS

ASHCROFT, B.C.

DATE DEC. 15 19 79

GEOLOGY - Mo

SHIFT III

	D. DRILL	WEIGHT TAKEN	1-79-5 (Mo)				ASSAY %Mo
1	9026	2 1/2 x 50		—			—
2	9027			—			—
3	9028			—			—
4	9029			—			—
5			13-79-57				
6	10972	2 1/2 x 50	960-970	—			—
7	10973			—			—
8	10974		980-995	—			—
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

ASSAYER _____

DATE Jan 16, 1980

GEOLOGY Cu

SHIFT II

	D. Drive (C)	WEIGHT TAKEN	L-79-5			ASSAY % Cu
1	9082	1/4 250	300 300-310			.02
2	083					.01
3	084					.01
4	085					.01
5	086					.01
6	087					.01
7	088					.01
8	089					.01
9	090					.01
10	9091					.01
11	092					.01
12	093					.01
13	094		420-430			.01
14	095					.01
15	096					.01
16	097					.01
17	9098		460-470			.03
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

ASSAYER AS

ASHCROFT, B.C.

DATE Jun 16, 19 80

GEOLOGY - Mo

SHIFT II

	D. Drill MO.	WEIGHT TAKEN	L-79-5		% Mo	ASSAY
1	9082	21 y 250	²³³ 300.310		⊙	
2	083					
3	084					
4	085					
5	086					
6	087					
7	088					
8	089					
9	090					
10	091					
11	092					
12	093					
13	094					
14	095					
15	096					
16	097					
17	9098		460-470			⊙
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

ASSAYER A.S. & P.M.

BETHLEHEM COPPER CORPORATION LTD.

ASHCROFT, B.C.

DATE 1-24- 19 80

SHIFT II

L-79-5

	Cu. <i>Bar DD</i>	WEIGHT TAKEN	PCR.	ASSAY	
				%Cu	Fe
1	9099	$\frac{1}{2} \times 250$	470-490	.016	.02
2	9100			.018	.02
3	01			.013	.01
4	02		500-510	.012	.01
5	03			.009	.01
6	04			.015	.02
7	05			.013	.01
8	06			.018	.02
9	07		550-560	.011	.01
10	08			.011	.01
11	09			.014	.01
12	10			.011	.01
13	11			.018	.02
14	12		600-610	.030	.03
15	13			.022	.02
16	14			.037	.04
17	15			.021	.02
18	16			.020	.02
19	17			.020	.02
20	E.O.H. 9118		660-667	.025	.03
21			E.O.H.		
22					
23					
24					
25					
26					
27					
28					
29					
30					

ASSAYER _____

ASHCROFT, B.C.

DATE Nov. 08, 19 80

GEOLOGY - Mo

SHIFT II

	D. Drill M.O.	WEIGHT TAKEN	<u>L-79- 6</u>		% Mo		ASSAY
1	9044	2 1/2 x 250	300-310		.001		<i>[Handwritten scribbles]</i>
2	9045				0		
3	9046				TR		
4	9047				0		
5	9048				0		
6	9049				0		
7	9050				0		
8	9051				TR		
9	9052				0		
10	9053		390-400		0		
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

ASSAYER AS.

ASHCROFT, B.C.

DATE Jan 08, 19 30

GEOLOGY - Cu

SHIP II

	D. Drill CU	WEIGHT TAKEN	2-79- 6				ASSAY % Cu
1	9044	1/2 x 250	300-310				.02
2	9045						.01
3	9046						.01
4	9047						.01
5	9048						.01
6	9049						.01
7	9050						.01
8	9051						.01
9	9052						.01
10	9053		370-400				.01
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

ASSAYER



HELENS COPPER CORPORATION LTD.

ASHCROFT, B.C.

DATE 1-8- 1980

SHIFT II

	MO. <i>Geo DD</i>	WEIGHT TAKEN	<i>L-79-6</i>			ASSAY %MO.
1	9030	2 1/2 x 50	165-170	.010		.0006
2	31			.010		.0006
3	32			.010		.0006
4	33			.005		.0007
5	34			.005		.0003
6	35			.010		.0006
7	36			.005		.0003
8	37			.010		.0006
9	38			.010		.0006
10	39			.015		.0009
11	40			.025		.0015
12	41			.015		.0009
13	42			.020		.0012
14	7043		290-300	.025		.0015
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

ASSAYER _____

ASHCROFT, B.C.

EAV

DATE 1-8- 1980

SHIFT II

	Cu. Geo. DP.	WEIGHT TAKEN	L-79- 6				ASSAY % Cu.
1	9030	$\frac{1}{2} \times 250$	165-170				.02
2	31						.01
3	32						.02
4	33						.02
5	34		200-210				.01
6	35						.01
7	36						.01
8	37						.01
9	38						.01
10	39		250-260				.01
11	40						.02
12	41						.02
13	42						.01
14	9043		290-300				.01
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

ASSAYER BA

BETHLEHEM COPPER CORPORATION LTD.

ASHCROFT, B.C.

DATE 1-24- 19 80

SHIFT II

L-79-5

	Mo. <i>how</i> DD	WEIGHT TAKEN					ASSAY
							g (Mo)
1	9099	2 1/2 x 50	460-470				—
2	9100						—
3	01						—
4	02						—
5	03						—
6	04						—
7	05						—
8	06						—
9	07						—
10	08						—
11	09						—
12	10						—
13	11						—
14	12						—
15	13						—
16	14						—
17	15						—
18	16						—
19	17						—
20	FOH 9118		660-667				—
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							

ASSAYER P.M.

(THLEHEM COPPER CORPORATION LTD)

ASHCROFT, B.C.

DATE 14 JAN 1980

GEOLOGY - Cu

SHIFT 2

	Geo D. Drill Cu	WEIGHT TAKEN	L-79- 6			ASSAY % Cu
1	9054	1X250	400-410			.007
2	55					.011
3	56					.011
4	57					.009
5	58					.011
6	59					.019
7	60					.010
8	61					.007
9	62					.008
10	63					.013
11	64					.009
12	65					.010
13	66					.010
14	67					.007
15	68					.009
16	69		550-560			.008
17	70					.008
18	71					.009
19	72					.008
20	73					.008
21	74		100-610			.008
22	75					.006
23	76					.004
24	77					.008
25	78					.004
26	79		650-660			.003
27	80					.004
28	81		670-677	E.O.H.		.007
29						
30						

ASSAYER PM.

ASHCROFT, B.C.

DATE 15/01 19 80

GEOLOGY - Mo

SHIP# _____

	Geo D. Drill Mo.	WEIGHT TAKEN	L-79 -6				ASSAY T. Mo
1	9054	2 1/2 x 50	400-A10				EP
2	55						
3	56						
4	57						
5	58						
6	59						
7	60						
8	61						
9	62						
10	63						
11	64						
12	65						
13	66						
14	67						
15	68						
16	69						
17	70						
18	71						
19	72						
20	73						
21	74						
22	75						
23	76						
24	77						
25	78						
26	79						
27	80						
28	(E6H) 81	670-677 E.O. 11.					
29	0						
30							

ASSAYER P.M.



BETHLEHEM
COPPER
CORPORATION

CALCULATION SHEET

SUBJECT: MISSEZULA LAKE 1977/80 DRILLING
Au assays (spot checks)

BY: R.G.S.

DATE: Feb. 1980

SHEET 1 of

FILE No.:

DDH	FOOTAGE	TAG NO.	Au oz/Ton	
L-79-5	30-40	9003	tr	
	90-100	9009	.007	
	160-170	9016	tr	
	250-260	9025	(missing)	
	350-360	9087	tr	
	400-410	9092	tr	
	500-510	9102	.007	
	600-610	7112	tr	
	660-667	9118	tr	
L-79-6	170-180	9031	tr	
	190-200	9033	.010	X .007 = tr
	230-240	9037	tr	
	260-270	9040	tr	
	340-350	9048	tr	
	370-380	9051	tr	
	460-470	9060	.007	
	500-510	9064	.007	
	570-580	9071	tr	
	620-630	9076	tr	
	656-660	9079	tr	
	670-680	9081	.007	
	180-190	9032	tr	
	200-210	9034	tr	
	210-220	9035	tr	
	220-230	9036	tr	

SECTION F - ILLUSTRATIONS

<u>Drawing No.</u>	<u>Title</u>	<u>Scale</u>
ML-79-1	General Location Plan	1:250 000
ML-79-2	Location Plan	1: 50 000
ML-79-3	Mineral Claim Plan	1: 10 000
ML-79-4	Geological Plan	1: 10 000
ML-79-5	Drill Hole Plan	1: 10 000

PRELIMINARY MAP NO. 17
JULY, 1975

GEOLOGY OF THE
ALLISON LAKE - MISSEZULA LAKE AREA
BRITISH COLUMBIA

GEOLOGY BY: V. A. PRETO, S. J. ATKINSON, AND J. NEBOCAT, 1974



LEGEND

PLEISTOCENE AND RECENT

9 RED AND GREY, VESICULAR OLIVINE VALLEY BASALT

LOWER CRETACEOUS

KINGSDALE GROUP

8 PLAGIOCLASE AND AUGITE-PLAGIOCLASE ANDESITE PORPHYRY

LOWER TO MIDDLE JURASSIC

7 ALLISON LAKE PLUTON

7a - REDDISH GREY TO RED, LOCALLY MIAROLITIC BIOTITE-HORNBLLENDE GRANITE AND QUARTZ MONZONITE

7b - GREY HORNBLLENDE GRANODIORITE

7c - GREY TO DARK GREY, LOCALLY MIGMATITIC HORNBLLENDE DIORITE AND QUARTZ DIORITE

7d - HORNFELSED, MIGMATIZED, AND SILICIFIED VOLCANIC ROCKS WITHIN OR NEAR THE PLUTON

UPPER TRIASSIC

6 DIORITE AND MONZONITE

6a - GREY, MEDIUM-GRAINED PYROXENE DIORITE AND MONZONITE

6b - GREEN HORNBLLENDE PORPHYRY

5 PINK AND GREY, MEDIUM-GRAINED PORPHYRITIC MONZONITE AND SYENITE

5a - MONZONITE VEIN BRECCIA

4 LEUCOCRATIC, PYRITIC QUARTZ PORPHYRY, LOCALLY HIGHLY SHEARED AND MYLONITIZED

NICOLA GROUP

EASTERN BELT

3 LAHAR DEPOSITS AND ASSOCIATED VOLCANIC CONGLOMERATE, SANDSTONE, SILTSTONE, AND TUFF; MINOR INTERLAYERED FLOW ROCKS

3a - THINLY LAMINATED, GREY-WEATHERING VOLCANIC SANDSTONE, SILTSTONE, AND SHALE, TYPICALLY GRADED AND/OR CROSSBEDDED

3b - MASSIVE TO CRUDELY LAYERED LAHAR DEPOSITS WITH ABUNDANT CLASTS OF PINK SYENITE AND PURPLE TRACHYTE; DISCONTINUOUS LENSES OF VOLCANIC CONGLOMERATE AND GRIT, AND OCCASIONAL LENSES OF REDDISH, IMPURE LIMESTONE

3c - REDDISH TO GREENISH GREY CRYSTAL, LITHIC, AND LAPILLI TUFF AND VOLCANIC SANDSTONE, LOCALLY WITH LENSES OF IMPURE LIMESTONE

3d - PURPLE AND GREY LOCALLY ANALCITE-BEARING AUGITE-PLAGIOCLASE TRACHYANDESITE AND TRACHYBASALT PORPHYRY, LOCALLY WITH BLOCKS OF FOSSILIFEROUS LIMESTONE

CENTRAL BELT

2 ANDESITIC FLOWS, VOLCANIC BRECCIA AND LAHAR DEPOSITS, VOLCANIC SILTSTONE

- 2a - MASSIVE GREENISH GREY TO GREY AUGITE-PLAGIOCLASE ANDESITE PORPHYRY, EXTENSIVELY AUTOBRECCIATED
- 2b - MASSIVE, GREEN VOLCANIC BRECCIA AND LAHAR DEPOSITS
- 2c - MASSIVE, RED VOLCANIC BRECCIA AND LAHAR DEPOSITS
- 2d - DARK GREY, THINLY LAMINATED, PYRITIC TUFF

1 MASSIVE FLOWS, BRECCIA, AND LITHIC TUFF

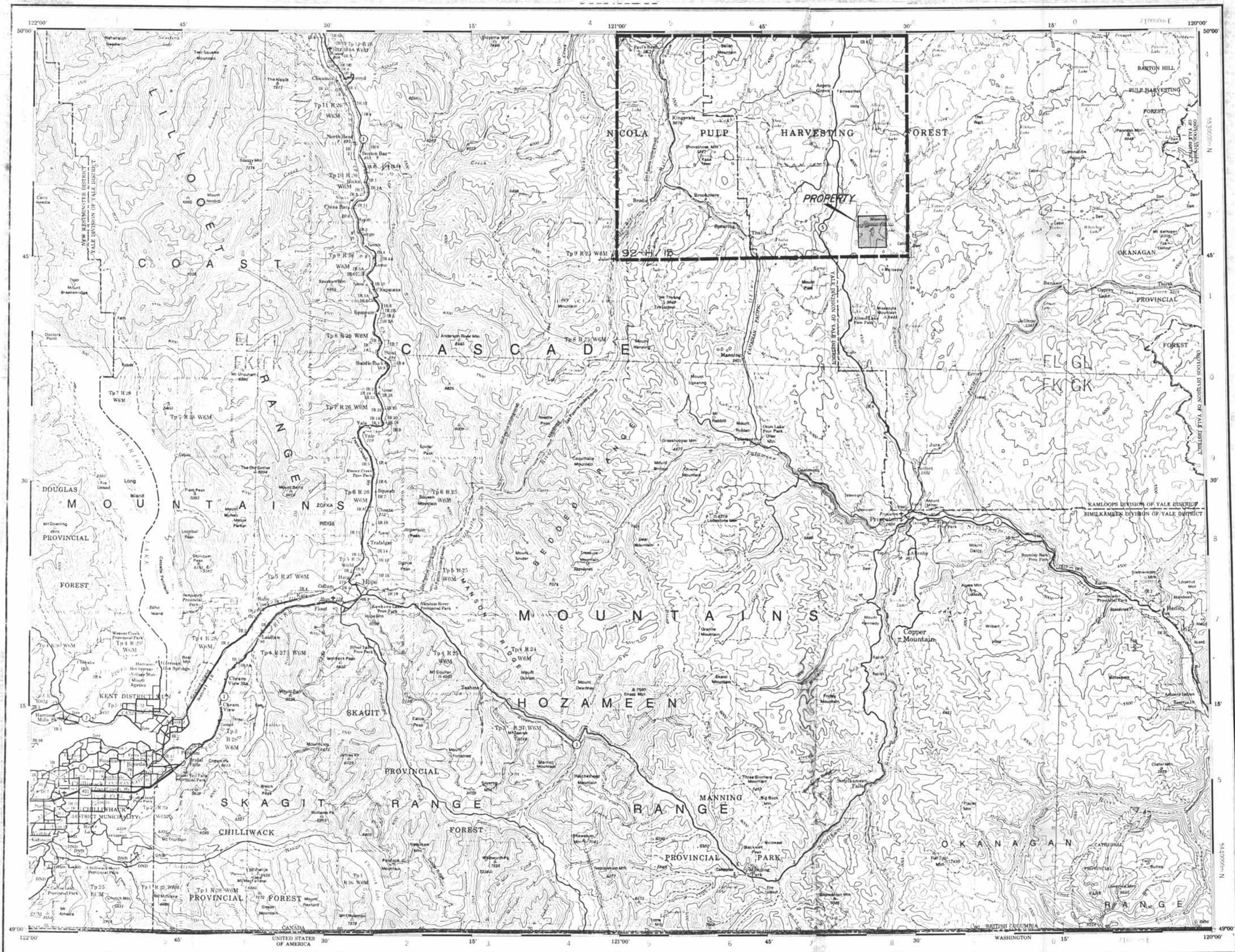
- 1a - MASSIVE DARK GREEN SUBAQUEOUS BASALTIC TO ANDESITIC FLOWS WITH PLAGIOCLASE AND/OR PYROXENE PHENOCRYSTS
- 1b - AUTOBRECCIATED EQUIVALENTS OF 1a AND FLOW BRECCIA FROM 1a FLOWS
- 1c - GREEN, CALCAREOUS AQUAGENE BRECCIA AND POSSIBLY PILLOW BRECCIA OF COMPOSITION SIMILAR TO 1a
- 1d - MASSIVE TO BEDDED TUFF AND LITHIC TUFF, LOCALLY WITH CALCAREOUS LENSES; MINOR SILTSTONE, SANDSTONE, AND CONGLOMERATE
- 1e - IMPURE LIMESTONE AND LIMESTONE BRECCIA
- 1f - GREEN, MASSIVE TO CRUDELY BEDDED DACITIC LITHIC TUFF WITH LIGHT GREY RHYOLITIC FRAGMENTS

py = PYRITE
 mal = MALACHITE
 cp = CHALCOPYRITE
 cc = CHALCOCITE
 mt = MAGNETITE
 bn = BORNITE
 Cu = NATIVE COPPER

az = AZURITE
 po = PYRRHOTITE
 org = ARGENTITE
 td = TETRAHEDRITE
 gn = GALENA
 ls = LIMESTONE

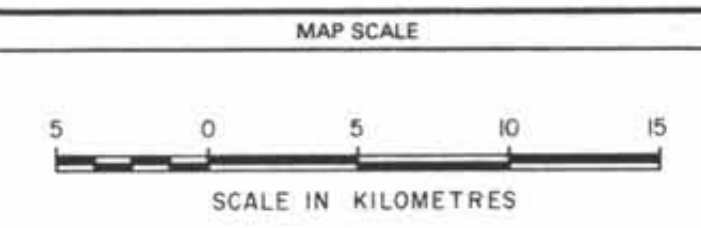
SYMBOLS

- AREA OF PREDOMINANT OUTCROP
- FAULT
- AREA OF INTENSE SHEARING
- PREVALENT FRACTURE DIRECTION: INCLINED, VERTICAL
- SECONDARY FOLIATION: INCLINED, VERTICAL
- BEDDING: VERTICAL, INCLINED, RIGHT SIDE UP
- PROSPECT: TRENCH, PIT
- GEOLOGICAL CONTACT: DEFINED, ASSUMED
- POWER TRANSMISSION LINE
- NATURAL GAS PIPELINE
- FOSSIL LOCALITY (F)
- MICROSYENITE PORPHYRY CLASTS IN FRAGMENTAL VOLCANIC ROCKS S



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
8309
NO
part 2
1 of 2

NOTE:
UTM GRID - ZONE 10



No.	Date	MADE BY	DESCRIPTION
2			
3			
4			
5			

DATE	DRAWN BY	CHECKED	APPROVED
AUG. 1979		E. A.	

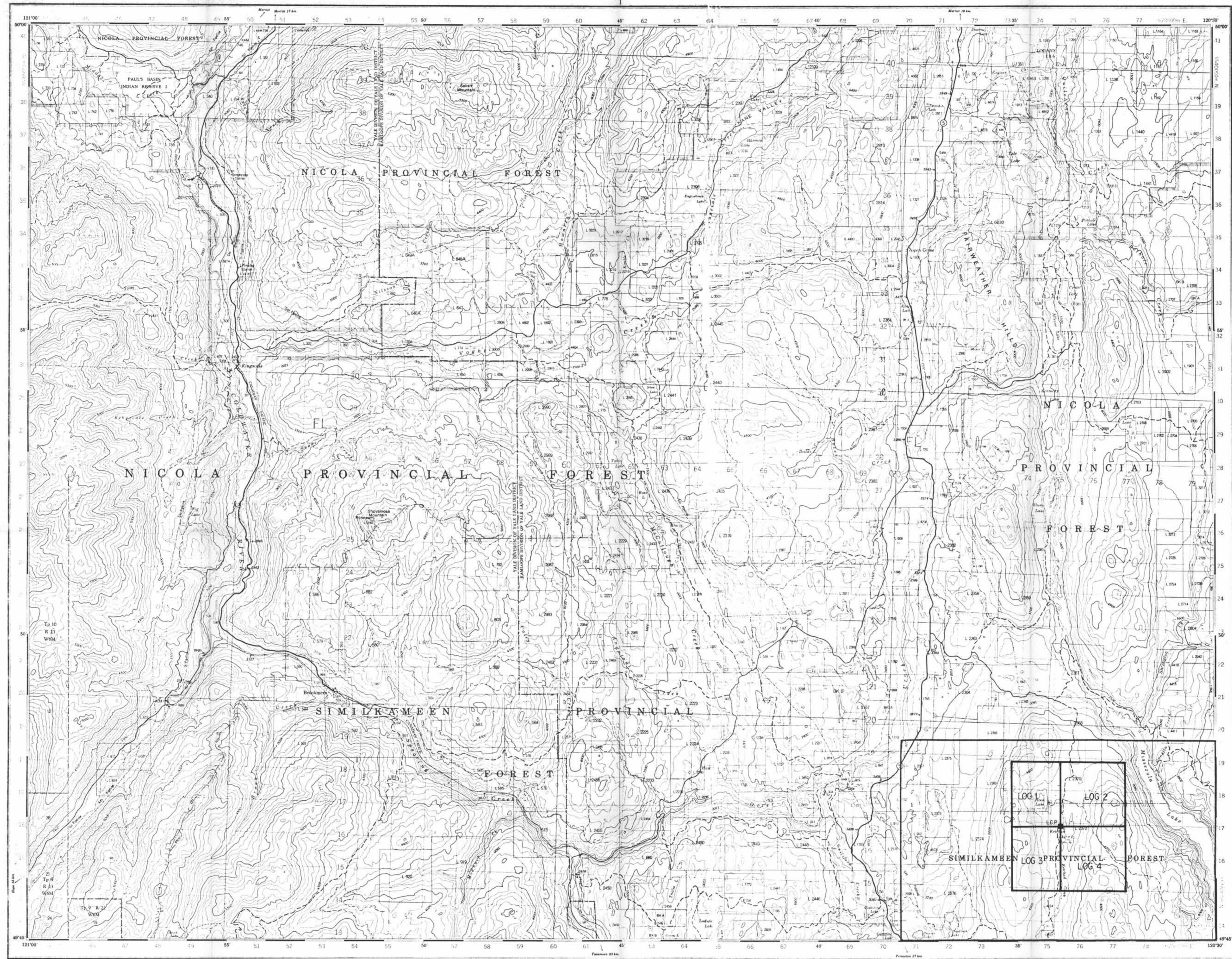
B BETHLEHEM
COPPER
CORPORATION

MISEZULA LAKE PROJECT
"LOG CLAIMS"
GENERAL LOCATION PLAN

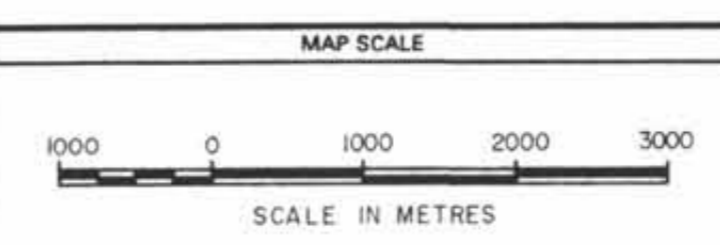
OFFICE	DEPARTMENT	MAP INDEX NUMBER	SCALE	DRAWING NUMBER
VANCOUVER	EXPLORATION	N.T.S. 92-H	1:250,000	ML-79-1

M.C. 106-A1-B.C.

2 to
2 + 1st
LOG
ASSESSMENT REPORT
MINERAL RESOURCES BRANCH



NOTE:
UTM GRID - ZONE 10

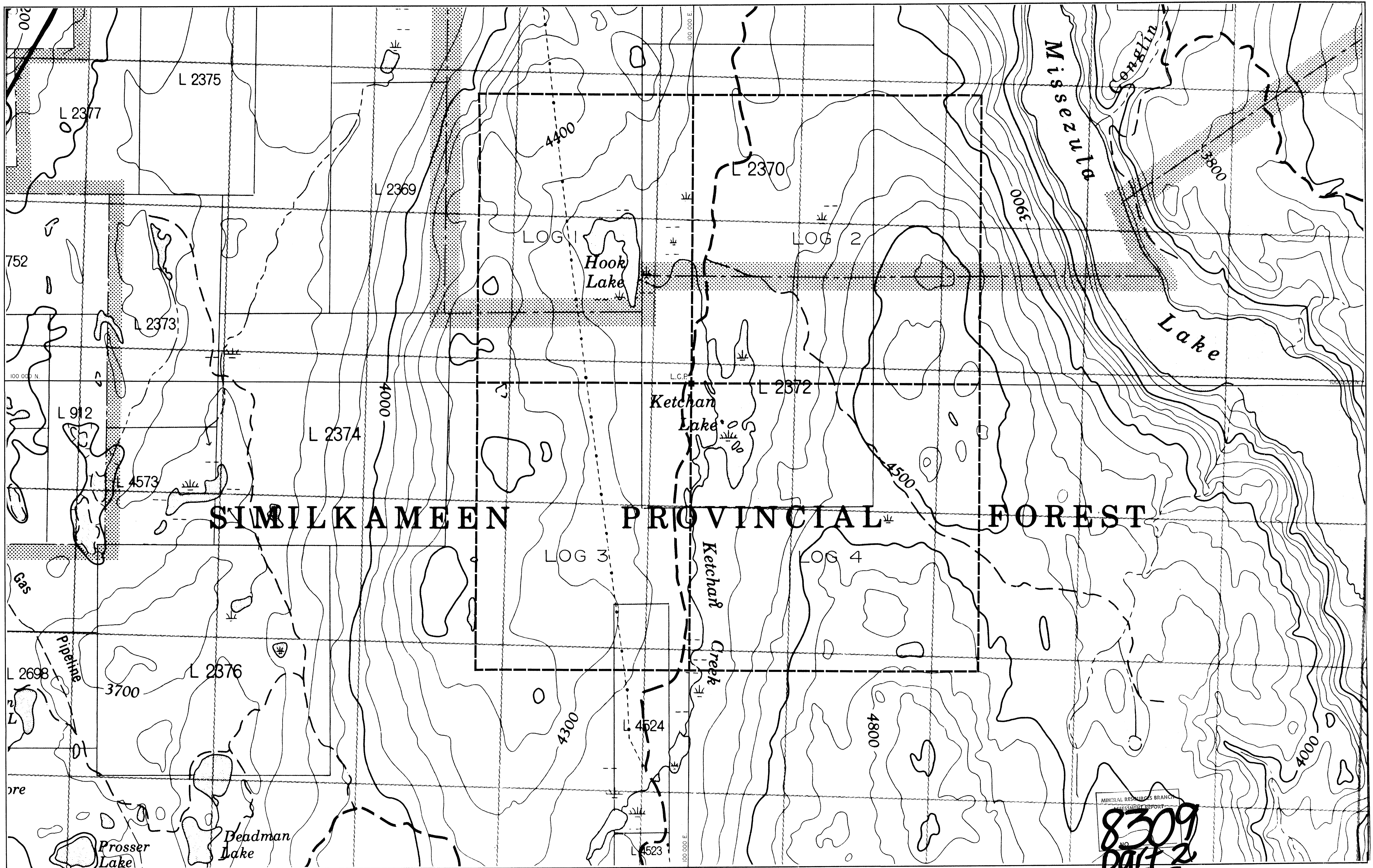


No.	Date	MADE BY	DESCRIPTION
1			
2			
3			
4			
5			
6			

DATE	DRAWN BY	CHECKED	APPROVED	OFFICE	DEPARTMENT	MAP INDEX NUMBER	SCALE	DRAWING NUMBER
AUG 1979		E. A.		VANCOUVER	EXPLORATION	N.T.S. 92-H/15	1:50,000	ML-79-2

B BETHLEHEM
COPPER
CORPORATION

MISSEZULA LAKE PROJECT
"LOG CLAIMS"
LOCATION PLAN

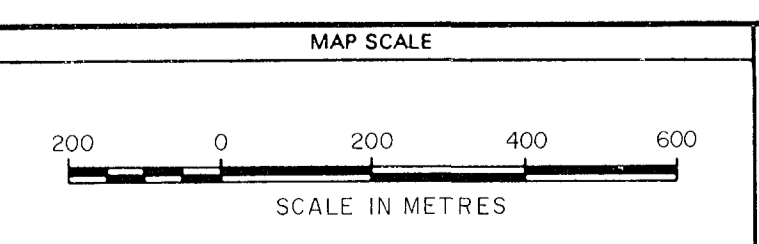


SIMILKAMEEN PROVINCIAL FOREST

MINERAL RESOURCES BRANCH
 PRELIMINARY REPORT
8309
 Part 2
 of 2

BETHLEHEM COPPER CORPORATION

MISSEZULA LAKE PROJECT
 "LOG CLAIMS"
 MINERAL CLAIM PLAN



No.	Date	MADE BY	DESCRIPTION
1			
2			
3			
4			
5			

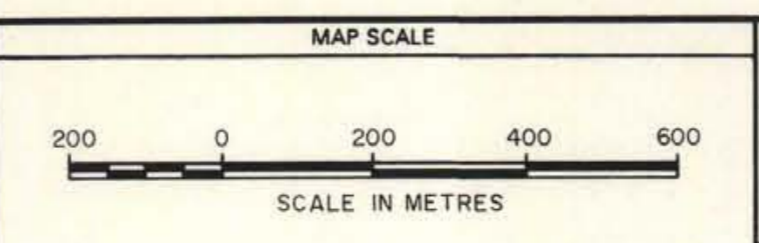
DATE	DRAWN BY	CHECKED	APPROVED	OFFICE	DEPARTMENT	MAP INDEX NUMBER	SCALE	DRAWING NUMBER
SEPT. 1979	Alford / m. k.	E. A.		VANCOUVER	EXPLORATION		1: 10,000	ML-79-3

MINERAL RESOURCES BRANCH
 PRELIMINARY REPORT
 8309
 part 2
 of 2



Note:
 This map represents an enlargement of Preliminary Map No. 17, July, 1975
 Geology of the Allison Lake - Missezula Lake Area, British Columbia.
 Geology by: V. A. Preto, S.J. Atkinson, and J. Nebozar, 1974
 British Columbia Department of Mines and Petroleum Resources

- PERCUSSION DRILL HOLE
- △ DIAMOND DRILL HOLE



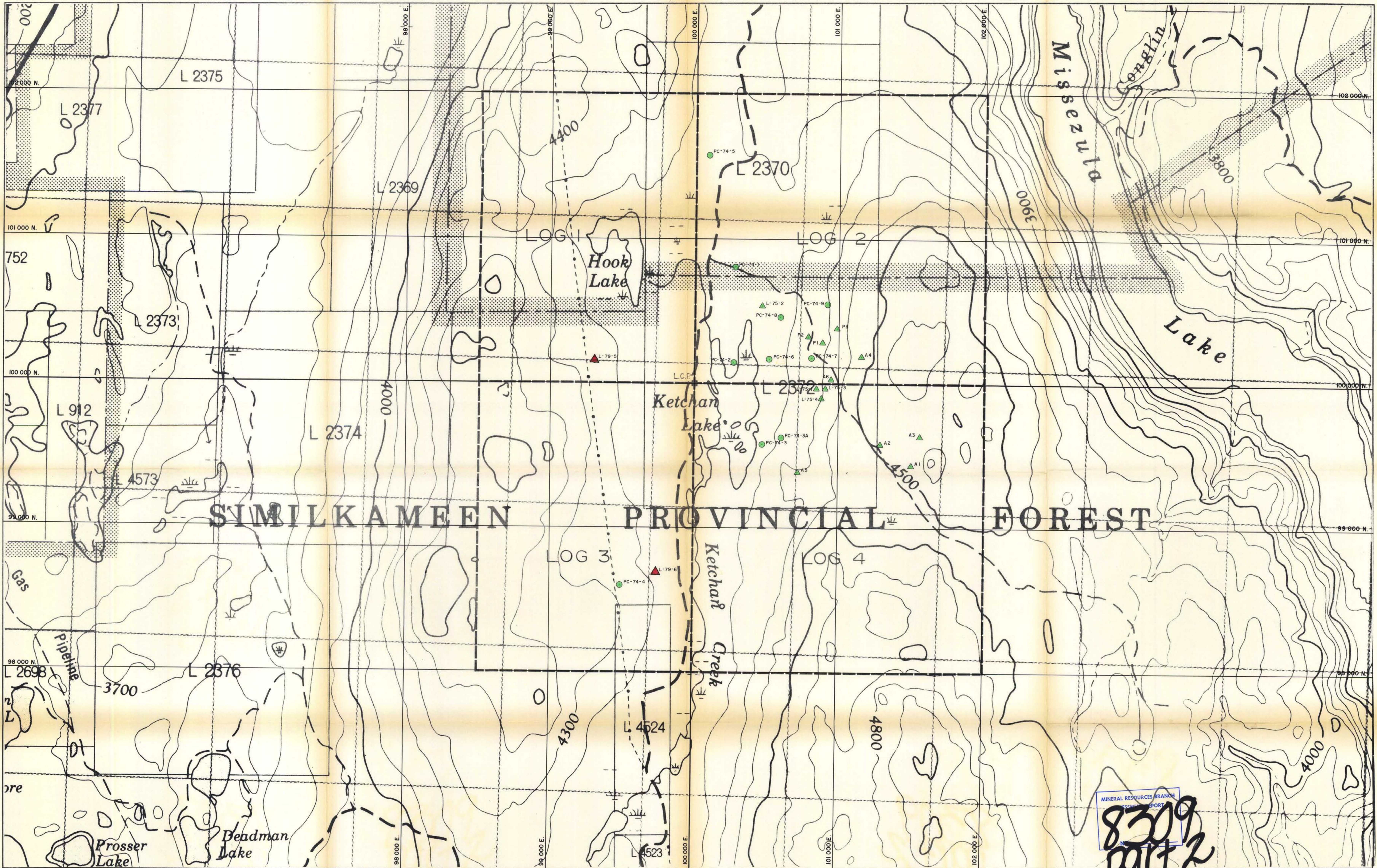
No.	Date	MADE BY	DESCRIPTION
1			
2			
3			
4			
5			

DATE	DRAWN BY	CHECKED	APPROVED
SEPT 1980	a.m.b.	E. A.	

**BETHLEHEM
 COPPER
 CORPORATION.**

MISSEZULA LAKE PROJECT
 "LOG CLAIMS"
 GEOLOGICAL PLAN

OFFICE	DEPARTMENT	MAP INDEX NUMBER	SCALE	DRAWING NUMBER
VANCOUVER	EXPLORATION		1:10 000	ML-79-4

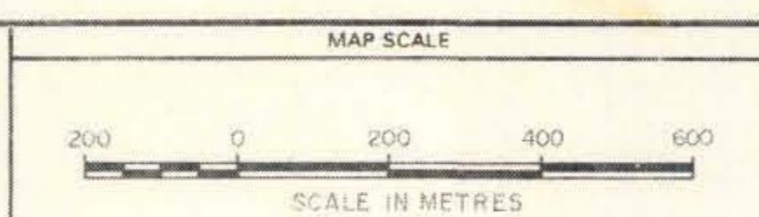


MINERAL RESOURCES BRANCH
 RESOURCE REPORT

8309
 page 2
 of 2

Hole Designation	Drill Type	Year	Company
P1, P1a, P2	DIAMOND	1962	Platou Metals Ltd.
P3	"	1966	"
A1 to 6	"	"	Adera Mining Ltd.
PC-74-1 to 9	PERCUSSION	1974	Bethlehem Copper Corporation
L-75-1 to 3	DIAMOND	1975	"
L-75-4	ROTARY DIAMOND	"	"
L-79-5, 6	DIAMOND	1979/80	"

- PERCUSSION DRILL HOLE
- △ DIAMOND DRILL HOLE



No.	Date	MADE BY	DESCRIPTION
1			
2			
3			
4			
5			

BETHLEHEM COPPER CORPORATION

DATE	DRAWN BY	CHECKED	APPROVED	OFFICE	DEPARTMENT	MAP INDEX NUMBER	SCALE	DRAWING NUMBER
SEPT 1979	Altair/m.k.	E.A.		VANCOUVER	EXPLORATION		1:10,000	ML-79-5