REPORT

- ON -

PERCUSSION DRILLING

- ON THE -

PIPE CLAIM GROUP

Kamloops Mining Division
British Columbia

- FOR -

BARRIER REEF RESOURCES LTD. (NPL), #904-675 West Hastings Street, Vancouver, B. C. V6B 1N2.

COVERING: PIPE #2 (20 UNITS), PIPE #5 (20 UNITS).

WORK PERFORMED: JULY 20, 1978 to JANUARY 15, 1979.

LOCATION: (1), 51° 35'N; 119° 37'W.

(2). NTS MAP 82M/12E.

(3). 7 Km. EAST OF VAVENBY, B. C.

PREPARED BY

KERR, DAWSON & ASSOCIATES LTD.

1 · 219 Victoria Street Kamloops, B.C. J. M. Dawson, P. Eng., January 15, 1979.

REPORT

- on -

PERCUSSION DRILLING

- on the -

PIPE CLAIM GROUP

Kamloops Mining Division British Columbia

- for -

BARRIER REEF RESOURCES LTD.(NPL), #904-675 West Hastings Street, VANCOUVER, B. C. V6B 1N2.

Covering: Pipe #2 (20 units), Pipe #5 (20 units).

Work Performed: July 20th., 1978 to January 15th., 1979.

Location:

- (1). 51°35'N; 119°37'W.
- (2). NTS Map 82M/12E.
- (3). 7 km. east of Vavenby, B. C.

PREPARED BY:

KERR, DAWSON & ASSOCIATES LTD.,

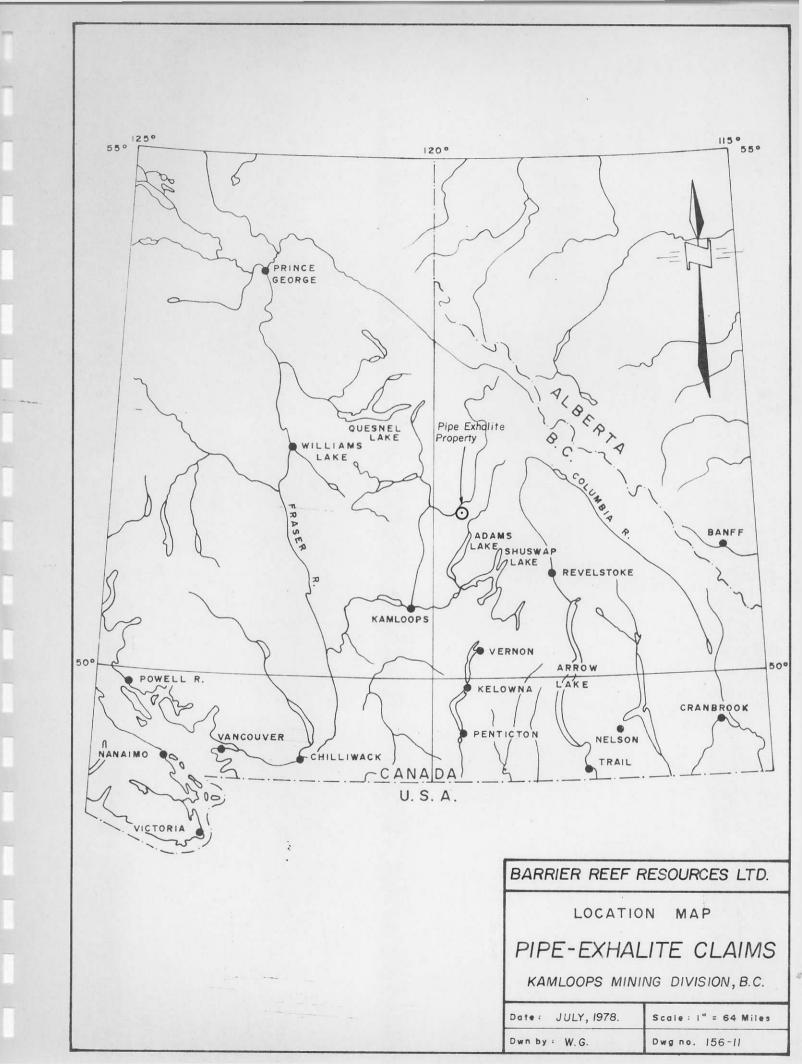
#1-219 Victoria Street, KAMLOOPS, B. C.

J. M. Dawson, P. Eng., January 15, 1979.

TABLE OF CONTENTS

Page No.
INTRODUCTION 1
SUMMARY AND CONCLUSIONS
PROPERTY 4
LOCATION AND ACCESS 5
PHYSIOGRAPHY AND VEGETATION 6
HISTORY
GEOLOGY AND MINERALIZATION 8
DRILLING PROGRAMME 10
DISCUSSION OF RESULTS
APPENDICES:
APPENDIX A: - Drill Logs
APPENDIX B: - Assay Results
APPENDIX C: - Cost Statement
APPENDIX D: - Personnel
APPENDIX E: - Writer's Certificate
APPENDIX F: - Maps
Figure 156-11 Location Map
Figure 156-12 Index Map
Figure 156-14 Grid Geology and
Drill Hole

Locations.



INTRODUCTION

This report is prepared at the request of Barrier Reef Resources Ltd. (NPL). It describes the results of a percussion drilling programme carried out on the Pipe claim group during July, 1978.

A total of 1,190 feet (363 meters) of drilling was done in five holes. Samples of cuttings were collected at 10 foot intervals. All samples were analysed for copper and a few test sections for molybdenum.

Logs and assay results as well as a plan of the subject property showing location of the drill holes are included in this report.

SUMMARY AND CONCLUSIONS

- (1). The Pipe claim group consists of 2 contiguous 20 unit metric claims. It is located in moderate, tree-covered terrain in south central British Columbia and is road accessible.
- (2). Copper mineralization was discovered on the subject claims by Nicanex Mines Ltd. in 1969.

 Geochemical and geophysical surveys and limited diamond drilling were carried out at that time.

 Regional exploration of the "Eagle Bay succession" in 1976 and 1977 located additional mineralization and the subject claims were staked. Detailed property work consisting of geological, geochemical and radiometric surveys was performed in June and July, 1978.
- (3). The property is underlain by metasedimentary and metavolcanic rocks of the upper Paleozoic "Eagle Bay succession". On the subject claims these consist primarily of buff to green gray phyllites,

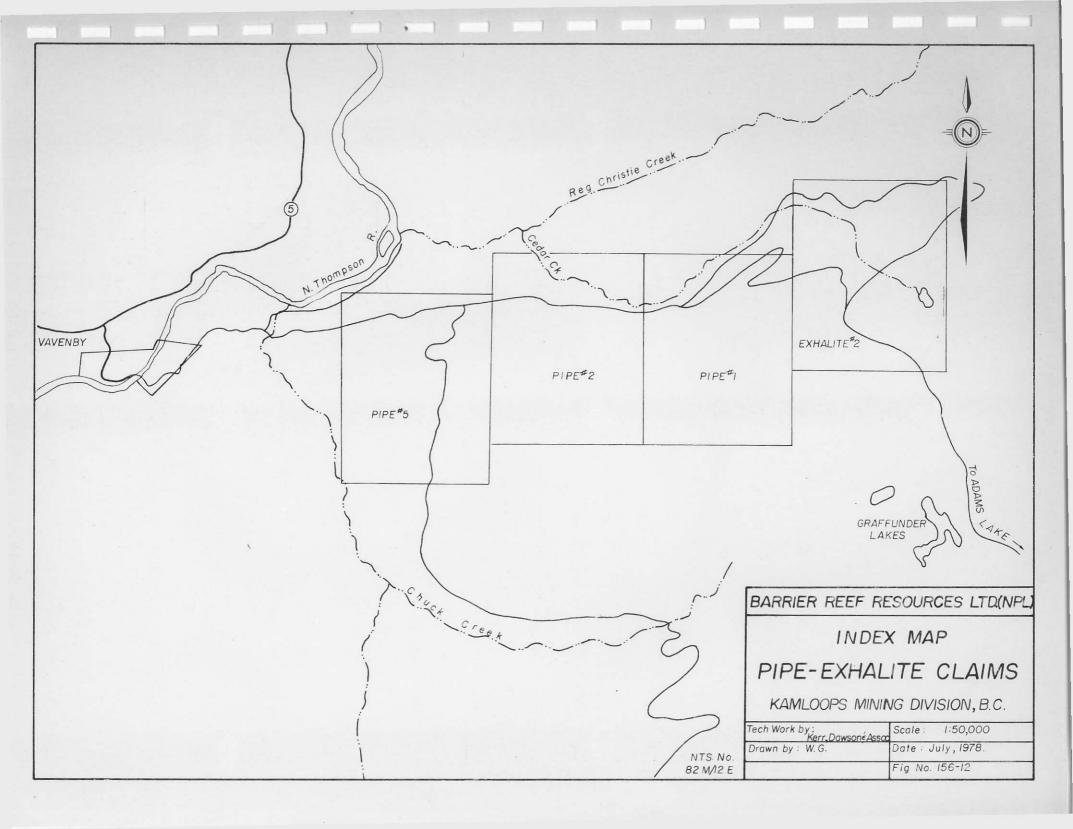
quartz sericite schists and quartz-chloritesericite schists. Thinner horizons of black graphitic phyllite and slate are intercalated in this sequence.

- (4). Mineralization consists of disseminated, fine grained chalcopyrite along foliation planes and on fractures in the phyllites and quartz-chlorite sericite schists.
- (5). The present drilling programme was confined to the AFR zone. No ore grade intersections were made; however, lenses of anomalous copper values were encountered in three of the holes. A fairly thick westerly dipping or plunging copper-bearing lense was cut in Holes PP-1 and PP-4.

PROPERTY

The claims covered by this report consist of the Pipe Group, 2 contiguous, 20 unit, metric claims as follows:

Claim Name	Record Number	Expiry Date
Pipe #2	938	July 18/79
Pipe #5	941	July 18/79



LOCATION AND ACCESS

The property is located in south central British Columbia, about 110 km. NNE of the city of Kamloops and about 7 km. east of the village of Vavenby. The approximate center of the claims is at 51°35' north latitude, 119°37' west longitude.

Access is gained via about 160 km. on Highway No. 5 from Kamloops to Vavenby and thence by the Adams Lake gravel road for about 10 km. east to the claims. A number of logging roads and skid trails provide further access to various parts of the claims.

PHYSIOGRAPHY AND VEGETATION

The property covers portions of the south slope of the valley containing Reg Cristie Creek and much of the drainage area of its tributary, Cedar Creek. Topography is moderate to steep except near the southeastern and eastern edges of the claims where the terrain becomes fairly gentle.

Elevations vary from about 1,500 feet (460 meters) at the northwest corner of the claim block to more than 4,200 feet (1,280 meters) at the southeasterly boundary.

A dense growth of mature fir, spruce, hemlock and cedar covers the entire property, except for a few logged areas. Undergrowth is fairly dense in places and most bedrock exposures are found along roads or creek bottoms.

HISTORY

Some of the showings currently covered by the subject claims were discovered by Nicanex Mines Ltd. in 1969. This company performed soil sampling, geological mapping as well as magnetic and induced polarization surveys on the property in 1969. These surveys were concentrated in the discovery mineralized area, north of Cedar Creek.

In 1970 approximately 1,000 feet of diamond drilling in three holes was completed.

Regional prospecting by Barrier Reef Resources

Ltd. in 1976 and 1977 resulted in additional copper

mineralization being discovered south of Cedar Creek and
the Pipe and Exhalite claims were staked in July, 1977.

A detailed property examination programme initiated by Barrier Reef in June and July, 1978, consisted of geological, geochemical, and radiometric surveys.

GEOLOGY AND MINERALIZATION

The property is underlain by a sequence of metasediments and metavolcanics of the upper Paleozoic "Eagle Bay succession". On the subject claims portions of the "Eagle Bay succession" outcrop as follows:

- a lowermost unit of silvery phyllites, quartz
 sericite schists and sericitic quartzites
 (thickness unknown but at least several hundred
 meters);
- (2). overlying the buff coloured schists and phyllites is a thinner unit consisting mostly of dark blue-grey to black graphitic phyllites and schists (thickness 0 to at least 40 meters);
- (3). above the graphitic horizon is a sequence of greenish, massive to foliated, chloritic and calcarious metavolcanics (thickness at least 100 meters).

On the subject property, there are two main zones of disseminated copper mineralization which trend roughly east-west and lie respectively to the north and

south of Cedar Creek (see figure 156-14).

Mineralization consists of disseminated, fine grained chalcopyrite along foliation places and on fractures in quartz-chlorite-sericite schists. All the current drilling was done on the AFR zone to the south of Cedar Creek. It consists of several mineralized outcrops and a number of occurrences of mineralized float in an area about 1,000 meters long (E-W) and about 150 meters wide.

DRILLING PROGRAMME

A total of 1,190 feet (363 meters) was drilled in five vertical holes (see appendix 1). The drill used was a standard, air-operated, rotary percussion rig, drilling a 2.5 inch diameter hole.

All holes were drilled wet, rock chips being carried to the surface by water circulation.

Samples were taken at 10 foot intervals in all the holes, the return being passed through an electric rotating splitter and split to 1/8 of the original volume. Samples were collected in 5 gallon pails; most of the water was decanted off and then samples were packaged in heavy plastic bags. Samples were submitted to Bondar-Clegg and Company Ltd. for copper and some molybdenum analyses. Results of analysis are shown in Appendix B.

All chips were visually examined and notes taken on all 10 foot sections in each hole. Appendix A shows the summary of all drilling and the visual log of each hole.

DISCUSSION OF DRILLING RESULTS

Ore grade mineralization was not encountered in any one 10 foot (3.05 meter) intersection. Results indicate horizons of anomalous copper values lying between layers containing uniform background values (approximately 50 PPM copper).

Holes PP-1 and PP-4 appear to have intersected a thick anomalous horizon which appears to dip or plunge to the west (see logs of PP-1 and PP-2). In hole PP-4 a 65 foot (19.8 meter) section from 5 to 70 feet averaged 944 PPM copper. In hole PP-1 the same (?) horizon was encountered and a 130 foot (39.6 meter) section averaged 363 PPM copper. A portion of hole PP-1 where visual molybdenite was seen was analysed for molybdenum and a 40 foot (12.2 meter) section from 210 to 250 feet averaged 44 PPM Mo.

Hole PP-2 was drilled near a roadcut which contains a large number of mineralized boulders. However, values from this hole indicate that only background amounts of copper are present in bedrock.

Hole PP-3 was drilled to test a largely overburden-covered area halfway between Holes PP-4 and PP-2. A broken drill rod at 55 necessitated starting a new hole (PP-3B) near the original collar. This hole encountered largely background copper values except for a 20 foot (6.1 meter) section from 190 to 210 feet which averaged 618 PPM. This anomalous band may be thicker, however tightening of the hole forced its abandonment at 220 feet.



Respectfully Submitted By:

KERR, DAWSON & ASSOCIATES LTD.,

James M. Dawson, P. Eng., GEOLOGIST

KAMLOOPS, B. C., January 15, 1979. APPENDIX A

DRILL LOGS

LOG - PERCUSSION DRILL HOLE PP-1

Drilled:

July 21st., 1978.

Total Depth:

300 feet (91.5 meters).

Attitude:

Vertical.

Co-ordinates: 23+20s, 25+70W.

	ŕ		
		Cu Analysis (PPM)	Mo Analysis (PPM)
0 - 20'	Black graphitic phyllite	57	
20 - 30'	Black graphitic phyllite	52	
30 - 40 -	Black graphitic phyllite	49	•
40 - 50'	Black graphitic phyllite	54	·
50 - 60'	Black graphitic phyllite	69	
60 - 70'	Black graphitic phyllite grading to pale buff phyllite and quartz sericite schist		
	e ≈ 65'	46	
70 - 80*	Pale buff phyllite	101	
80 - 90'	Pale buff phyllite	67	
90 - 100'	Pale buff phyllite	66	
100 - 110'	Pale buff phyllite	160	
110 - 120'	Pale grey phyllite, 5-10%	, -	
	pyrite and ? traces chalcopyrite	108	
120 - 130'	Pale grey phyllite, 5-10% pyrite and ? traces chalcopyrite.	460	
130 - 140'	Pale grey phyllite, 5-10% pyrite and ? traces chalcopyrite.	825	

LOG - PERCUSSION DRILL HOLE PP-1 page two				
		Cu Analysis (PPM)	Mo Analyis (PPM)	
140 - 150'	Pale grey phyllite, pyrite and ? traces chalcopyrite.	5-10%		
150 - 160'	Pale grey phyllite, pyrite and ? traces chalcopyrite.	5-10%		
160 - 170'	Pale grey phyllite, pyrite and ? traces chalcopyrite.	5-10%		
170 - 180'	Pale grey phyllite, pyrite and ? traces chalcopyrite.	5-10%		
180 - 190'	Pale grey phyllite, pyrite and ? traces chalcopyrite.	5-10%		
190 - 200'	Pale grey phyllite, pyrite and ? traces chalcopyrite.	5-10%		
200 - 210'	Pale grey phyllite, pyrite and ? traces chalcopyrite.	5-10%	7	
210 - 220'	Pale grey phyllite, pyrite and ? traces chalcopyrite.	5-10%	37	
220 - 2301	Pale grey phyllite, pyrite and ? traces chalcopyrite.	5-10%	53	
230 - 240'	Pale grey phyllite, pyrite and ? traces chalcopyrite.	5-10% 155	44	

LOG - PERCUSSION DRILL HOLE PP-1 page three

	<u>:</u>	Cu Analysis (PPM)	Mo Analysis (PPM)
240 - 250'	Pale grey phyllite, 5-10% pyrite and? traces chalcopyrite.	219	42
250 - 260'	Pale buff phyllite with 5- pyrite and traces of chalcopyrite.	208	12
260 - 270'	Pale buff phyllite with 5-10% pyrite and traces of chalcopyrite.	206	10
270 - 280'	Pale buff phyllite with 5-10% pyrite and traces of chalcopyrite.	149	10
280 - 290'	Pale buff phyllite with 5-10% pyrite and traces of chalcopyrite.	83	13
290 - 300'	Pale buff phyllite with 5-10% pyrite and traces of chalcopyrite.	33	4

LOG - PERCUSSION DRILL HOLE PP-2

Drilled:

July 21st., 1978.

rotal Depth: 265 feet (70.8 meters)

Attitude:

Vertical

Co-ordinates: 24+60s, 3+70E.

		Cu Analysis	(PPM)	Mo A	Analysis	(PPM)
0 - 10'	Overburden.					
10 - 30'	Pale greenish white phyllite and quartz-sericite schist with minor pyrite.	37				
30 - 40'	Pale greenish white phyllite and quartz-sericite schist with minor pyrite.	54				
40 - 50	Pale greenish white phyllite and quartz-sericite schist with minor pyrite.	40				
50 - 60'	Pale greenish white phyllite and quartz-sericite schist with minor pyrite.	46				
60 - 70'	Pale greenish white phyllite and quartz-sericite schist with minor pyrite.	35			·	
70 - 80'	Pale greenish white phyllite and quartz-sericite schist with minor pyrite.	30				
80 - 901	Pale greenish white phyllite and quartz-sericite schist with					
	minor pyrite.	29				

		Cu Analysis (PPM)	Mo Analysis (PP
90 - 100'	Pale greenish white phyllite and quartz-sericite schist with		
	minor pyrite.	24	
100 - 110'	Pale greenish white phyllite and quartz-sericite schist with		
	minor pyrite.	33	
110 - 120'	Greenish shite phyllite with minor pyrite.	32	
120 - 130'	White to buff phyllite quartz-sericite schist; pyrite.		
130 - 140'	Buff to greenish quartz chlorite-sericite schis- 5-10% pyrite and minor magnetite.		
140 - 150'	Quartz - chlorite - sericite schist 5 - 10%		
	pyrite.	41	
150 - 160'	Quartz - chlorite - sericite schist 5 - 10% pyrite.	50	
160 - 170'	Quartz - chlorite -		
	sericite schist 5 - 10% pyrite.	37	
170 - 180'	Quartz - chlorite - sericite schist 5 - 10%		
	pyrite.	51	
180 - 190'	Quartz - chlorite - sericite schist 5 - 10% pyrite.	51	
190 - 200'	Green phyllite and quar		
	chlorite - sericite schi 10% + pyrite.	ist; 74	

.

•

LOG -	PERCUSSION DRILL HOLE PP-2		page three
	Cu A	malysis (PPM)	Mo Analysis (PPM)
200 -	210' Black graphitic slate.	70	2
210 -	220' Black graphitic slate.	77	4
220 -	Greenish phyllite and minor graphitic slate; 5% pyrite.	64	4
230 -	Greenish phyllite and quartz chlorite - sericit schist - 5% pyrite; 5% magnetite.	e 92	5
240 - 3	Greenish phyllite and quartz chlorite-sericite schist - 5% pyrite; 5% magnetite.	104	7
250 - 3	Greenish phyllite and quartz chlorite - sericit schist - 5% pyrite; 5% magnetite.	e 65	7
260 - 3	270' Greenish phyllite and quartz chlorite - sericit schist - 5% pyrite; 5% magnetite.	e 56	5

LOG - PERCUSSION DRILL HOLE PP-3A

Drilled:

July 22, 1978.

Total:

55 feet (16.8 meters)

Attitude:

Vertical.

Co-ordinates: 25+00s

8+00W

		Cu Analysis	(PPM)	Мо	Analysis	(PPM)
0 - 18'	Overburden					
18 - 30'	Black graphitic slate.	30				
30 - 40'	Black graphitic slate and white to buff seri schist.	cite 59				
40 - 50'	Greenish white phyllit minor pyrite.	te;				
50 - 55'	Greenish white phyllit minor pyrite.	e; 44				

LOG - PERCUSSION DRILL HOLE PP-3B

Drilled:

July 22, 1978.

'Total Depth: 220 feet.

Attitude:

Vertical

Co-ordinates: 25+00s,

8+05W.

		Cu Analysis (PPM)	Mo Analysis (PPM)
0 - 18	Overburden		
18 - 30'	Black graphitic slate.	32	
30 - 40'	Black graphitic slate	64	
40 - 50'	Black graphitic phyllite and light brown phyllite.	52	
50 - 60	Light brown to pale green quartz-sericite schist and phyllite.	39	
60 - 70'	Light brown to pale green quartz-sericite schist and phyllite.	35	
70 - 80'	Light brown to pale green quartz-sericite schist and phyllite.	27	
80 - 90'	Light brown to pale green quartz-sericite schist and phyllite.	36	
90 - 100'	Light brown to pale green quartz-sericite schist and phyllite.	38	
100 - 110'	Light brown to pale green quartz-sericite schist and phyllite.	35	

		Cu Analysis (PPM)	Mo Analysis (PPM)
110 - 120'	Greenish white phyllite and quartz sericite schist - 5% pyrite.	32	
120 - 130'	Greenish white phyllite and quartz sericite schist - 5% pyrite.	30	
130 - 140'	Greenish white phyllite and quartz sericite schist - 5% pyrite.	34	
140 - 150'	Greenish white phyllite and quartz sericite schist - 5% pyrite.	32	
150 - 160'	Greenish white phyllite and quartz sericite schist - 5% pyrite.	30	
160 - 170'	Greenish white phyllite and quartz sericite schist - 5% pyrite.	39	
170 - 180'	Greenish white phyllite and quartz sericite schist - 5% pyrite.	29	
180 - 190'	Greenish white phyllite and quartz sericite schist - 5% pyrite.	36	
190 - 200'	Greenish white phyllite and quartz sericite schist -5% pyrite.	700	
200 - 210'	Greenish white phyllite and quartz sericite schist - 5% pyrite.	535	
210 - 220'	Greenish white phyllite and quartz sericite schist - 5% pyrite.	81	

LOG - PERCUSSION DRILL HOLE PP-4

Drilled:

July 22, 1978.

Total Depth: 350 feet (106.7 meters)

Attitude:

Vertical.

Co-ordinates: 22+50s,

20+40W.

		Cu Analysis (PPM)	Mo Analysis (PPM)
0 - 51	Overburden.		
5 - 20!	Light brown phyllite and quartz-sericite schist 5% pyrite and traces of chalcopyrite.	1,560	
20 - 30'	Light brown phyllite and quartz-sericite schist 5% pyrite and traces of chalcopyrite.	468	
30 - 40'	Light brown phyllite and quartz-sericite schist 5% pyrite and traces of chalcopyrite.	530	
40 - 50'	Light brown phyllite and quartz-sericite schist 5% pyrite and traces of chalcopyrite.	1,220	
50 - 60'	Light brown phyllite and quartz-sericite schist 5% pyrite and traces of chalcopyrite.	1,040	
60 - 70'	Light brown phyllite and quartz-sericite schist 5% pyrite and traces of chalcopyrite.	535	
70 - 801	Pale greenish white phyllite.	83	
80 - 90'	Pale greenish white phyllite.	81	
90 - 100'	Pale greenish white phyllite.	89	

		Cu Analysis (PPM)	Mo Analysis (PPM)
100 - 110'	Pale greenish white phyllite.	146	
110 - 120'	Pale greenish white phyllite.	179	
120 - 130'	Pale greenish white phyllite.	157	
130 - 140'	Green grey quartz seri schist - 3 - 5% pyrite		
140 - 150'	Green grey quartz seri schist - 3 - 5% pyrite		
150 - 160'	Green grey quartz seri schist - 3 - 5% pyrite		
160 - 170'	Green grey quartz seri schist - 3 - 5% pyrite		
170 - 180'	Green grey quartz seri schist - 3 - 5% pyrite		
180 - 190'	Green grey quartz seri schist - 3 - 5% pyrite		
190 - 200'	Green grey quartz seri schist - 3 - 5% pyrite		
200 - 210*	Green grey quartz seri schist - 3 - 5% pyrite		
210 - 220'	Green grey quartz seri schist - 3 - 5% pyrite		
220 - 230'	Green grey quartz seri schist - 3 - 5% pyrite		
230 - 240'	Green grey quartz seri schist - 3 - 5% pyrite		·

LOG - PERCUS	SION DRILL HOLE PP-4	page three		
		Cu Analysis (PPM)	Mo Analysis (PPM)	
240 - 250'	Green grey phyllite and quartz sericite schist; 3 - 5% pyrite.	67		
250 - 260'	Green grey phyllite and quartz sericite schist; 3 - 5 % pyrite.	112		
260 - 270'	Green grey phyllite and quartz sericite schist; 3 - 5% pyrite.	49		
270 - 280 '	Green grey phyllite and quartz sericite schist; 3 - 5% pyrite.	53		
280 - 290 '	Green grey phyllite and quartz sericite schist; 3 - 5 % pyrite.	71		
290 - 300'	Green grey phyllite and quartz sericite schist; 3 - 5% pyrite.	34		
300 - 310'	Green grey phyllite and quartz sericite schist; 3 - 5% pyrite.	40		
310 - 320'	Green grey phyllite and quartz sericite schist; 3 - 5% pyrite.	32		
320 - 330'	Green grey phyllite and quartz sericite schist; 3 - 5% pyrite.	25		
330 - 340'	Green grey phyllite and quartz sericite schist; 3 - 5% pyrite.	41		
340 - 350'	Green grey phyllite and quartz sericite schist; 3 - 5% pyrite.	22		

.

.

.

APPENDIX B

ASSAY RESULTS



1500 PEMBERTON AVE., NORTH VANCOUVER, B.C. PHONE: 985-0681 TELEX: 04-54554

Geochemical Lab Report

ctraction At Aque 1834 Report No. 23 - 742

Method Atomic Absorption action Used			From +40	From SECT - Lawson & Assoc.			
			Date		19 7		
SAMPLE NO.	Co Pi	Mo P:	SAMPLE NO.	Cu ppa.	No ppm		
2P1	57	dhy	PP2	54			
20-30	52	-	40~ 20 (5381)	40			
30- 40	49	400	50- 60 (5383)	46	•		
40- 50	54	-	60-70	35	•		
53~ 65 (5405)	69	-	7J- 30	30			
6 - 7 (5406)	46		83- 90(5386)	2).	-		
7 (540 7)	101	-	90-100	24	-		
<u> </u>	67	-	100-110	33	•		
7	60		110-120(5389)	32			
100-110(5410)	160	-	125-133	46	-		
110-101 (5411)	108 ·	400	130-110(5391)	68			
120-190 (5412)	460 ′	-	140	41			
13 - (5413)	825	-	150-160	50			
140-15 (5414)	810	Ace	160-170	37			
150-100(5415)	394	NG .	170~130(5395)	51			
16 (5416)	224	40	、 180~190 (539 6)	51			
170-100(5417)	25 0	•	190-200(5397)	74	-		
180-150	275	•	200-210	70	2		
190-200(5419)	215	-	210-220	77	4		
200-210(5420)	185	7	220-230(5400)	64	4		
210-220(5421)	131	37	230-240(457014	92	5		
220-230	160	53	240~250(4 5702 A)	104	7		
230-200 (5423)	155	44	250-260(45 703 A)	65	7		
240-150(5424)	219	42	260-265(45 704 A)	56	5		
2 5 1-2 %1	20 8	12	PP3 18- 30	30			
26 - 7 (5376)	2 06	10	30- 40(45 706 A)	59	-		
27 - (5377)	149	10	40~ 59(45 707 A)	71	- 1		
26. (5378)	83	13	50- 60(457094)	4.5	46		
290-500	35	4	P. 33 13- 30	32	•		
1.0- Ju	37	-	30- 40	64			

BONDAR-CLEGG & COMPANY LTD.

Geochemical Lab Report

Report No. 26 700 Page No.

				Marie Commence of the Commence	San and San San San and Allert Street	Annual Manager Cores
SAMPLE NO.	0	SAMPLE NO.	Cu p Sa			
P238 23		180-190(5363)	لائة			
(5329)	30	190~200(5364)	121			
60- 71(5330)	3.5	200-210(3365)	110			
70 (5331)	27	223-239(5367)	113			
20>	36	230-240 (5368)	94			
90-100(5333)	38	240-250(5369)	6/			
100-110(5334)	3 >	250+250	112			
110-100(5335)	32	260-270(\$371)	49			
12 1- (20	3 1	270-250(5372)	53			
130-	3	280-290(5373)	7 <u>1</u>			
140- (5338)	32	290-300(5374)	34			
153(5339)	3 1	100-110(5375)	40			
160-177(5340)	39	310-520(5301)	32			
170-100	29	320-330(5302)	25			
130-100	36	330-340(5303)	41			
190-200 (5343)	700	340-350(5304)	22			
200-210(5344)	535					
210-220(5345)	81					
PP4 5- 20(5346)	1560					
20- 20(5347)	463					
30- 77	530					
40- 50(5349)	1220					
50- 60(5350)	1040					
60- 70(5351)	535	co Mr. bart Reeve				
70- =0 (5352)	83					
30- 90 (5353)	£1					
90-100	69					
100-110(5355)	146.					
11-)-(28)	179					18 T (18)
120-130(5357)	157					
130-140 (5358)	143					
140-151(252)	140					
150-15 (3360)	ů.					
169-170	#o					
170-180(5362)	174					

APPENDIX C

PERSONNEL

PERSONNEL

J. M. Dawson, P. Eng. - Geologist

July 20-23, 1978

Jan. 11-12, 1979.

- 6 days

Dean Undershultz

- Labourer

July 20, 21, 1978.

- 2 days

APPENDIX D

COST STATEMENT

COST STATEMENT

(1).	Labou	ır:			
		Dawson, rs @ \$175.00/day		\$1,050.00	
		dershultz, rs @ \$ 50.00/day		100.00	\$1,150.00
(2).	Expen	ses and Disbursements:			
	(a).	Percussion Drilling 1,190 feet @ \$4.00/ft. \$4	,760.00		
		Mobilization and demobilization	317.50	5,077.50	
	(b).	Geochemical Analyses		248.35	
	(c).	Truck Rental:			•
		3 days @ \$20.00/day \$ 365 miles @ 20¢/mile	60.00 73.00	133.00	
	(d).	Xerox, blueprints, freigh secretarial, sample bags, binding, etc.	175.80	5,634.65	
		-			
		TOTAL COSTS			\$6,784.65

APPENDIX E

WRITER'S CERTIFICATE

JAMES M. DAWSON, P.ENG. GEOLOGIST

SUITE 1 - 219 VICTORIA STREET KAMLOOPS, B.C.

PHONE (604) 374-6427

CERTIFICATE

I, JAMES M. DAWSON, OF KAMLOOPS, BRITISH COLUMBIA, DO HEREBY CERTIFY THAT:

- (1). I am a geologist residing at 380 Powers Road, Kamloops, B. C. and employed by Kerr, Dawson and Associates Ltd. of Suite #1, 219 Victoria Street, Kamloops, B. C.
- (2). I am a graduate of the Memorial University of Newfoundland - B. Sc. (1960), M. Sc. (1963), a fellow of the Geological Association of Canada and a member of the Association of Professional Engineers of B. C. I have practised my profession for 15 years.
- (3). I am the author of this report which describes the results of a percussion drilling programme supervised by myself.

J. M. DAWSON

BRITISH

COLUMBIA

January 15th, 1979, KAMLOOPS, B. C.

KERR, DAWSON & ASSOCIATES LTD.,

James M. Dawson, M. Sc., P. Eng.,

GEOLOGIST

