

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). $51^{\circ}35'N$; $119^{\circ}37'W$.
(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.

7119

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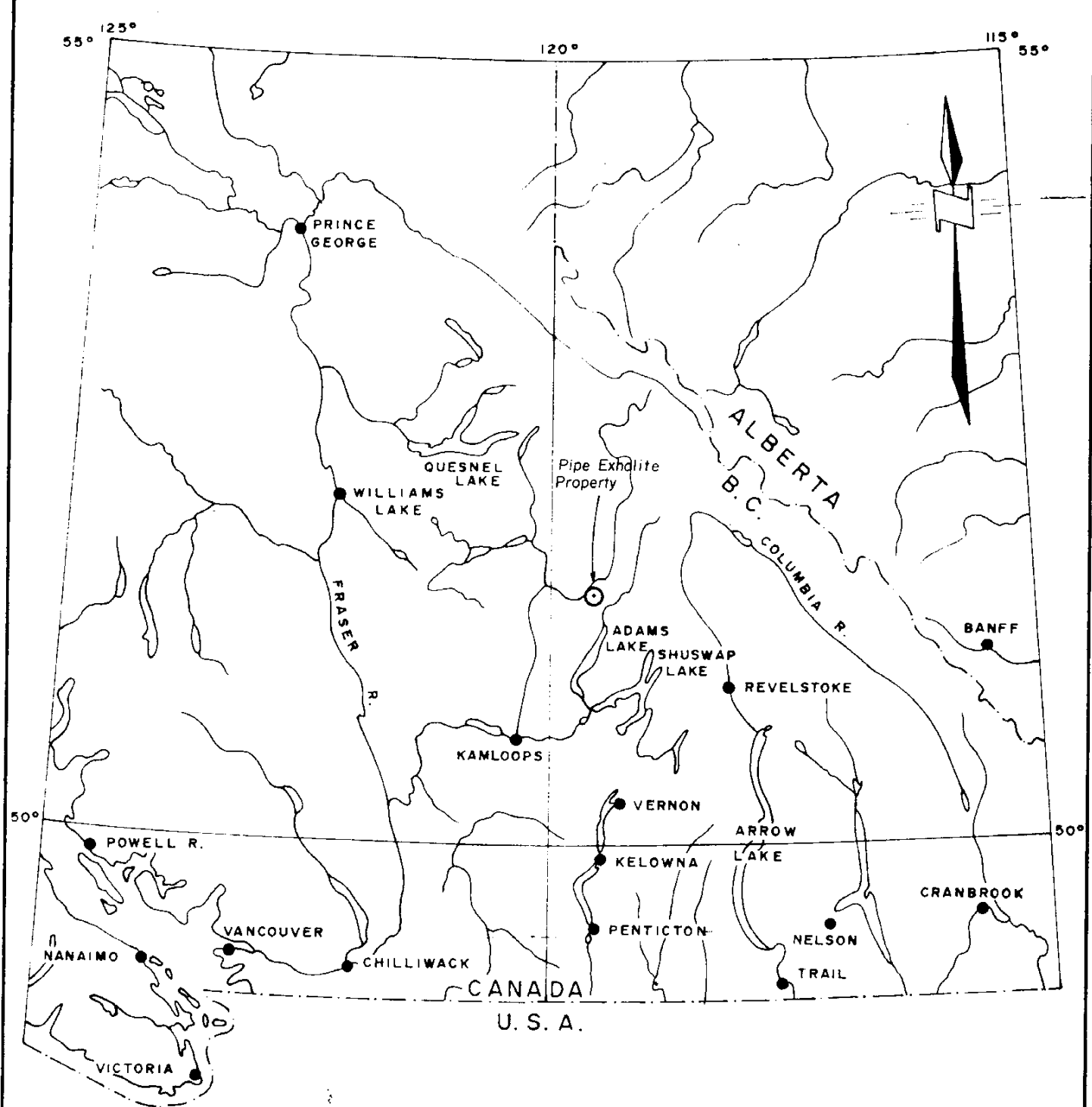
APPENDIX E: - Writer's Certificate

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Drill Hole
Locations.



BARRIER REEF RESOURCES LTD.	
LOCATION MAP	
PIPE-EXHALITE CLAIMS	
KAMLOOPS MINING DIVISION, B.C.	
Date: JULY, 1978.	Scale: 1" = 64 Miles
Dwn by: W.G.	Dwg no. 156-11

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

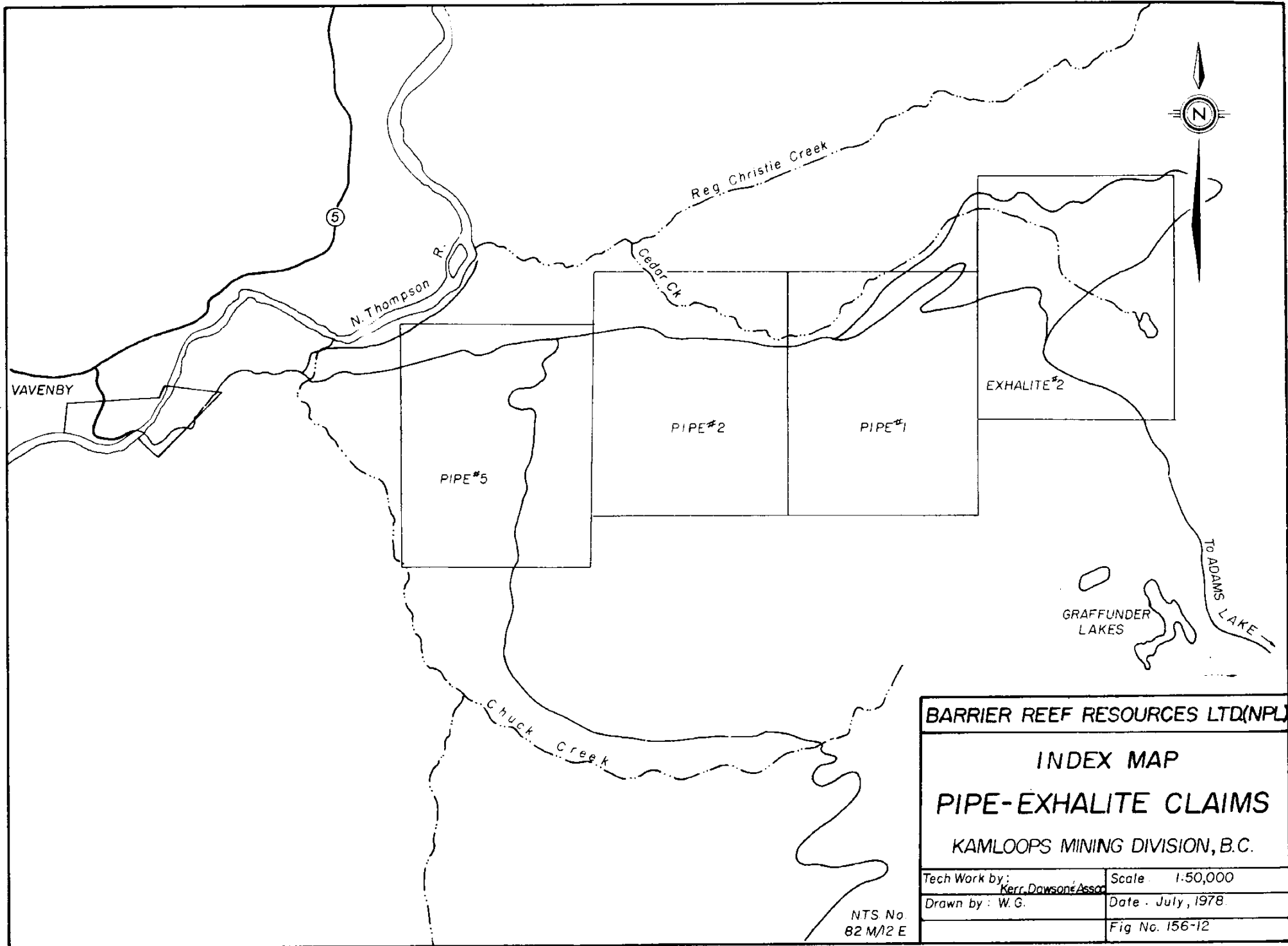
- (4). Mineralization consists of disseminated, fine grained chalcopyrite along foliation planes and on fractures in the phyllites and quartz-chlorite sericite schists.
- (5). The present drilling programme was confined to the AFR zone. No ore grade intersections were made; however, lenses of anomalous 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:

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

The registered owner of these claims is Barrier Reef Resources Ltd. (NPL).



VAENBY

5

N. Thompson R.

Reg. Christie Creek

Cedar Ck.

PIPE #5

PIPE #2

PIPE #1

EXHALITE #2

GRAFFUNDER LAKES

TO ADAMS LAKE

Chuck Creek

BARRIER REEF RESOURCES LTD(NPL)

INDEX MAP
 PIPE-EXHALITE CLAIMS
 KAMLOOPS MINING DIVISION, B.C.

Tech Work by: Kerr, Dawson & Assoc	Scale: 1:50,000
Drawn by: W.G.	Date: July, 1978.
	Fig No. 156-12

NTS No.
82 M/12 E

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:

- (1). 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 calcareous 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).

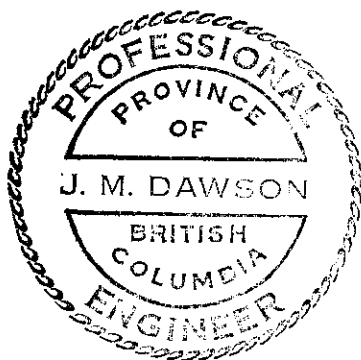
Holes PP-1 and PP-4 appear to have intersected a thick anomalous horizon which appears to dip or plunge to the west (see logs of PP-1 and PP-2). In hole PP-4 a 65 foot (19.8 meter) section from 5 to 70 feet averaged 944 PPM copper. In hole PP-1 the same (?) horizon was encountered and a 130 foot (39.6 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.

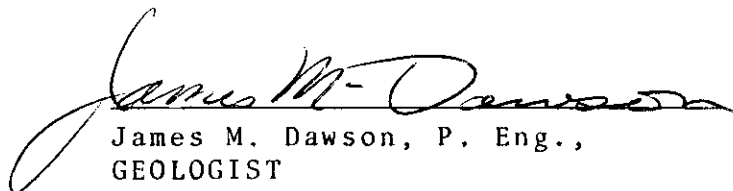
Hole PP-2 was drilled near a roadcut which contains a large number of mineralized boulders. However, values from this hole indicate that only background amounts of copper are present in bedrock.

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.

		<u>Cu Analysis</u> (PPM)	<u>Mo Analysis</u> (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 @ \approx 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

		<u>Cu Analysis (PPM)</u>	<u>Mo Analysis (PPM)</u>
140 - 150'	Pale grey phyllite, 5-10% pyrite and ? traces chalcopyrite.	810	
150 - 160'	Pale grey phyllite, 5-10% pyrite and ? traces chalcopyrite.	394	
160 - 170'	Pale grey phyllite, 5-10% pyrite and ? traces chalcopyrite.	224	
170 - 180'	Pale grey phyllite, 5-10% pyrite and ? traces chalcopyrite.	250	
180 - 190'	Pale grey phyllite, 5-10% pyrite and ? traces chalcopyrite.	275	
190 - 200'	Pale grey phyllite, 5-10% pyrite and ? traces chalcopyrite.	215	
200 - 210'	Pale grey phyllite, 5-10% pyrite and ? traces chalcopyrite.	185	7
210 - 220'	Pale grey phyllite, 5-10% pyrite and ? traces chalcopyrite.	131	37
220 - 230'	Pale grey phyllite, 5-10% pyrite and ? traces chalcopyrite.	160	53
230 - 240'	Pale grey phyllite, 5-10% pyrite and ? traces chalcopyrite.	155	44

		<u>Cu Analysis (PPM)</u>	<u>Mo Analysis (PPM)</u>
240 - 250'	Pale grey phyllite, 5-10% pyrite and ? traces chalcopyrite.	219	42
250 - 260'	Pale buff phyllite with 5-10% 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.
Total Depth: 265 feet (70.8 meters)
Attitude: Vertical
Co-ordinates: 24+60s, 3+70E.

		<u>Cu Analysis (PPM)</u>	<u>Mo Analysis (PPM)</u>
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 - 90'	Pale greenish white phyllite and quartz-sericite schist with minor pyrite.	29	

		<u>Cu Analysis (PPM)</u>	<u>Mo Analysis (PPM)</u>
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 white phyllite with minor pyrite.	32	
120 - 130'	White to buff phyllite and quartz-sericite schist; 10% pyrite.	46	
130 - 140'	Buff to greenish quartz-chlorite-sericite schist; 5-10% pyrite and minor magnetite.	68	
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 quartz chlorite - sericite schist; 10% + pyrite.	74	

		<u>Cu Analysis (PPM)</u>	<u>Mo Analysis (PPM)</u>
200 - 210'	Black graphitic slate.	70	2
210 - 220'	Black graphitic slate.	77	4
220 - 230'	Greenish phyllite and minor graphitic slate; 5% pyrite.	64	4
230 - 240'	Greenish phyllite and quartz chlorite - sericite schist - 5% pyrite; 5% magnetite.	92	5
240 - 250'	Greenish phyllite and quartz chlorite-sericite schist - 5% pyrite; 5% magnetite.	104	7
250 - 260'	Greenish phyllite and quartz chlorite - sericite schist - 5% pyrite; 5% magnetite.	65	7
260 - 270'	Greenish phyllite and quartz chlorite - sericite schist - 5% pyrite; 5% magnetite.	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

		<u>Cu Analysis (PPM)</u>	<u>Mo Analysis (PPM)</u>
0 - 18'	Overburden		
18 - 30'	Black graphitic slate.	30	
30 - 40'	Black graphitic slate and white to buff sericite schist.	59	
40 - 50'	Greenish white phyllite; minor pyrite.	71	
50 - 55'	Greenish white phyllite; minor pyrite.	44	

LOG - PERCUSSION DRILL HOLE PP-3B

Drilled: July 22, 1978.
Total Depth: 220 feet.
Attitude: Vertical
Co-ordinates: 25+00s, 8+05W.

		<u>Cu Analysis (PPM)</u>	<u>Mo Analysis (PPM)</u>
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	

		<u>Cu Analysis (PPM)</u>	<u>Mo Analysis (PPM)</u>
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.

		<u>Cu Analysis (PPM)</u>	<u>Mo Analysis (PPM)</u>
0 - 5'	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 - 80'	Pale greenish white phyllite.	83	
80 - 90'	Pale greenish white phyllite.	81	
90 - 100'	Pale greenish white phyllite.	89	

		<u>Cu Analysis (PPM)</u>	<u>Mo Analysis (PPM)</u>
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 sericite schist - 3 - 5% pyrite.	143	
140 - 150'	Green grey quartz sericite schist - 3 - 5% pyrite.	140	
150 - 160'	Green grey quartz sericite schist - 3 - 5% pyrite.	63	
160 - 170'	Green grey quartz sericite schist - 3 - 5% pyrite.	83	
170 - 180'	Green grey quartz sericite schist - 3 - 5% pyrite.	174	
180 - 190'	Green grey quartz sericite schist - 3 - 5% pyrite.	69	
190 - 200'	Green grey quartz sericite schist - 3 - 5% pyrite.	121	
200 - 210'	Green grey quartz sericite schist - 3 - 5% pyrite.	110	
210 - 220'	Green grey quartz sericite schist - 3 - 5% pyrite,	lost	
220 - 230'	Green grey quartz sericite schist - 3 - 5% pyrite.	113	
230 - 240'	Green grey quartz sericite schist - 3 - 5% pyrite.	94	

		<u>Cu Analysis (PPM)</u>	<u>Mo Analysis (PPM)</u>
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



Geochemical Lab Report

Report No. 752
Method Atomic Absorption
Date August 4, 1977

Table with columns for SAMPLE NO., Cu Pp, Mo Pp, and two sets of data columns. Rows include sample numbers like 1-20, 20-30, etc., and their corresponding Cu and Mo concentrations in Pp.

BONDAR-CLEGG & COMPANY LTD.

Geochemical Lab Report

Report No. 24 7

Page No. 1

SAMPLE NO.					SAMPLE NO.	Cu p.p.m.			
PP30					180-190(5363)	69			
50-60(5329)	30				190-200(5364)	121			
60-70(5330)	33				200-210(5365)	110			
70-80(5331)	27				220-230(5367)	113			
80-90	35				230-240(5368)	94			
90-100(5333)	38				240-250(5369)	67			
100-110(5334)	35				250-260	112			
110-120(5335)	37				260-270(5371)	49			
120-130	31				270-280(5372)	53			
130-140	34				280-290(5373)	71			
140-150(5338)	32				290-300(5374)	34			
150-160(5339)	31				300-310(5375)	40			
160-170(5340)	39				310-320(5301)	32			
170-180	29				320-330(5302)	25			
180-190	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								
20-30(5347)	468								
30-40	530								
40-50(5349)	1220								
50-60(5350)	1040								
60-70(5351)	535								
70-80(5352)	83								
80-90(5353)	61								
90-100	89								
100-110(5355)	146								
110-120	179								
120-130(5357)	157								
130-140(5358)	143								
140-150(5359)	140								
150-160(5360)	67								
160-170	89								
170-180(5362)	174								

cc Mr. Bert Reeve

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). Labour:

J. M. Dawson,		
6 days @ \$175.00/day	\$1,050.00	
 D. Undershultz,		
2 days @ \$ 50.00/day	<u>100.00</u>	\$1,150.00

(2). Expenses and Disbursements:

(a). Percussion Drilling		
1,190 feet @ \$4.00/ft. \$4,760.00		
 Mobilization and demobilization	<u>317.50</u>	5,077.50
(b). Geochemical Analyses		248.35
(c). Truck Rental:		
3 days @ \$20.00/day	\$ 60.00	
365 miles @ 20¢/mile	<u>73.00</u>	133.00
(d). Xerox, blueprints, freight, secretarial, sample bags, binding, etc.	<u>175.80</u>	<u>5,634.65</u>

TOTAL COSTS \$6,784.65

APPENDIX E

WRITER'S CERTIFICATE

JAMES M. DAWSON, P. ENG.
GEOLOGIST

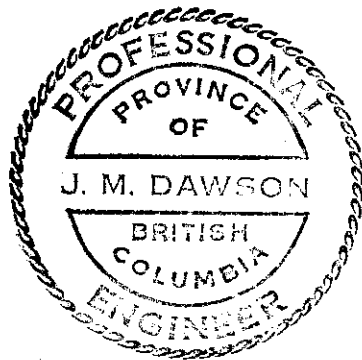
SUITE 1 - 219 VICTORIA STREET
KAMLOOPS, B.C.

PHONE (604) 374-6427

CERTIFICATE

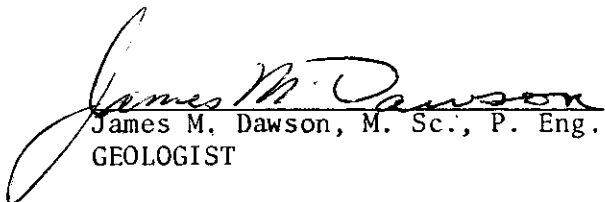
I, JAMES M. DAWSON, OF KAMLOOPS, BRITISH COLUMBIA, DO HEREBY
CERTIFY THAT:

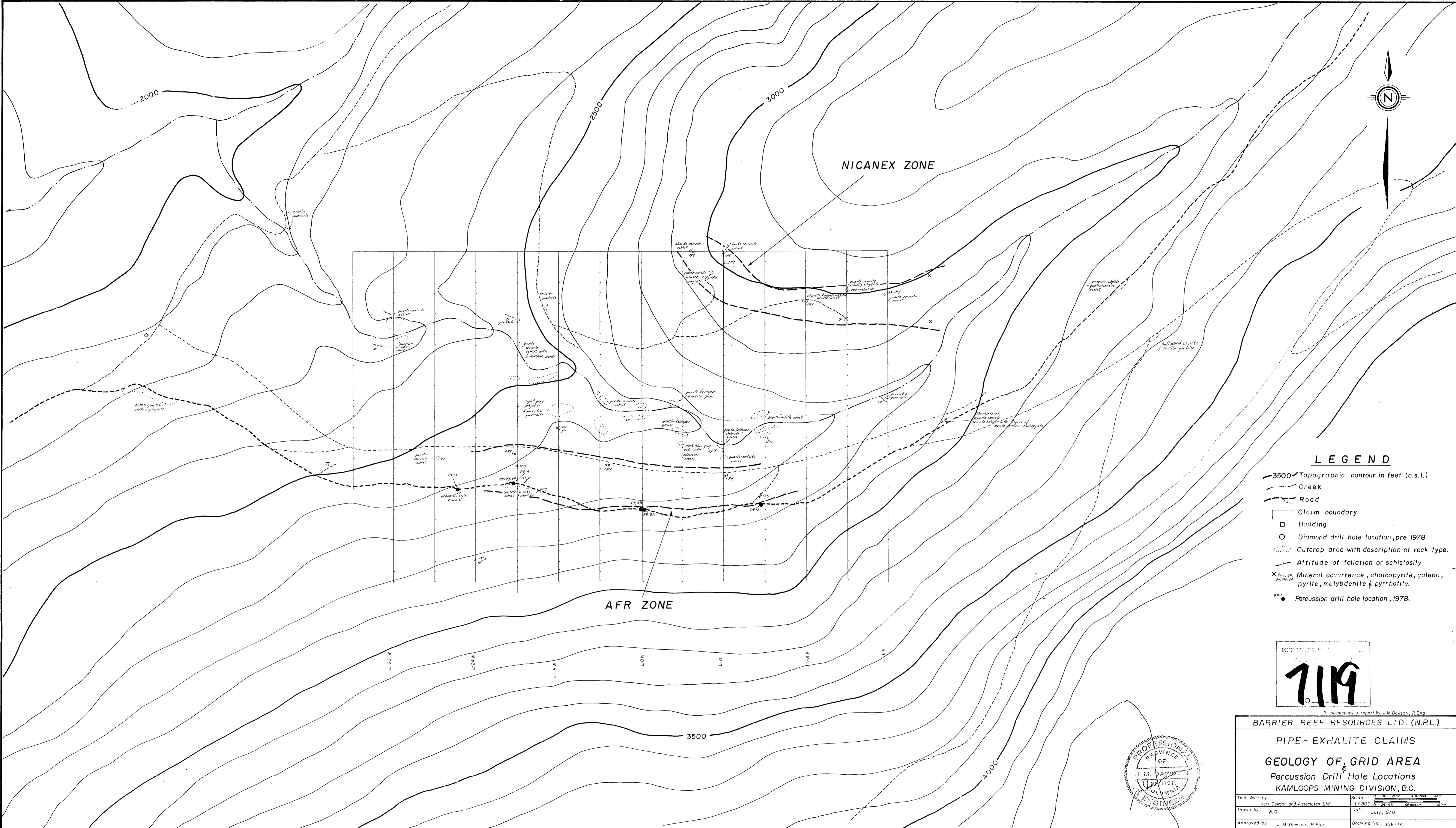
- (1). I am a geologist residing at 380 Powers Road, Kamloops, B. C. and employed by Kerr, Dawson and Associates Ltd. of Suite #1, 219 Victoria Street, Kamloops, B. C.
- (2). I am a graduate of the Memorial University of Newfoundland - B. Sc. (1960), M. Sc. (1963), a fellow of the Geological Association 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.



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

KERR, DAWSON & ASSOCIATES LTD.,


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



LEGEND

- 3500 Topographic contour in feet (a.s.l.)
- Creek
- Road
- Claim boundary
- Building
- Diamond drill hole location, pre 1978.
- Outcrop area with description of rock type.
- Attitude of foliation or schistosity
- X Mineral occurrence, chalcopyrite, galena, pyrite, molybdenite & pyrrhotite.
- Percussion drill hole location, 1978.

MINERAL REGION
7119

To accompany a report by J.M. Dawson, P.Eng.

BARRIER REEF RESOURCES LTD. (N.P.L.)

PIPE-EXHALITE CLAIMS

GEOLOGY OF GRID AREA

Percussion Drill Hole Locations

KAMLOOPS MINING DIVISION, B.C.

Tech Work by:	Kerr, Dawson and Associates Ltd.	Scale:	1" = 400' 300' 200' 100' feet 500'
Drawn by:	W.G.	Date:	July, 1978.
Approved by:	J.M. Dawson, P.Eng.	Drawing No.:	156-14

