

'79-#499-# 7581

Assessment Report

on a

Reconnaissance Geochemical Survey

on portions of the

Porcupine Group
of Mineral Claims

Situated on Porcupine Creek

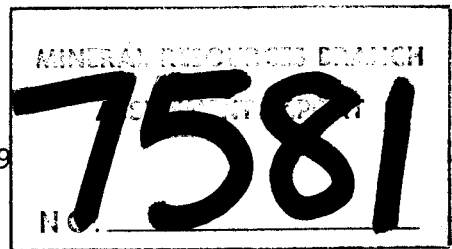
Some three (3) kilometres Southeast
of
Ymir, B. C.

Nelson Mining Division

Latitude 49°16'N; Longitude 117°11'W

N.T.S. 82F/6 (E 1/2)

Field Work July 28 and 29, 1979



YMIR VENTURE



PORCUPINE GROUP

Report by

D. R. Cochrane, P. Eng.
September 20, 1979,
Delta, B.C.

YMIR VENTURE

TABLE OF CONTENTS

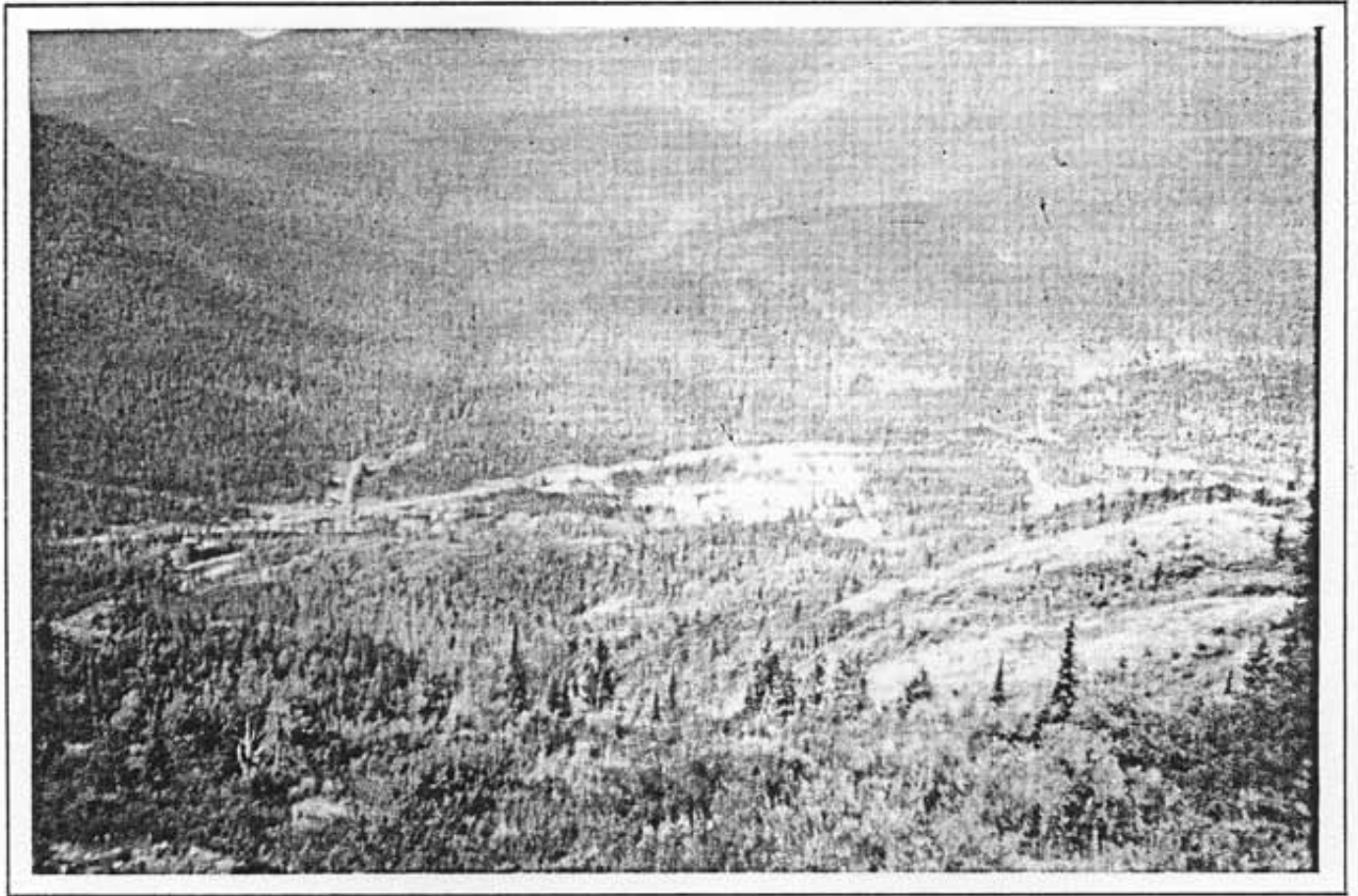
	Page
INTRODUCTION	1
LOCATION AND ACCESS	2
CLAIMS INFORMATION	3
GENERAL SETTING	5
HISTORY	8
FIELD WORK	9
DISCUSSION OF RESULTS	10

FIGURES

1.	Location Map	Report body
2.	Claims Map	" "
3.	Assay and Geochemical Plan	Map Pocket

APPENDICES

I	Assessment Work Details
II	Certificate
III	Geochemical Certificate
IV	Assay Certificate



Frontispiece.

View of Ymir, and Salmo Valley, from Yankee Girl, north of the Porcupine Group.

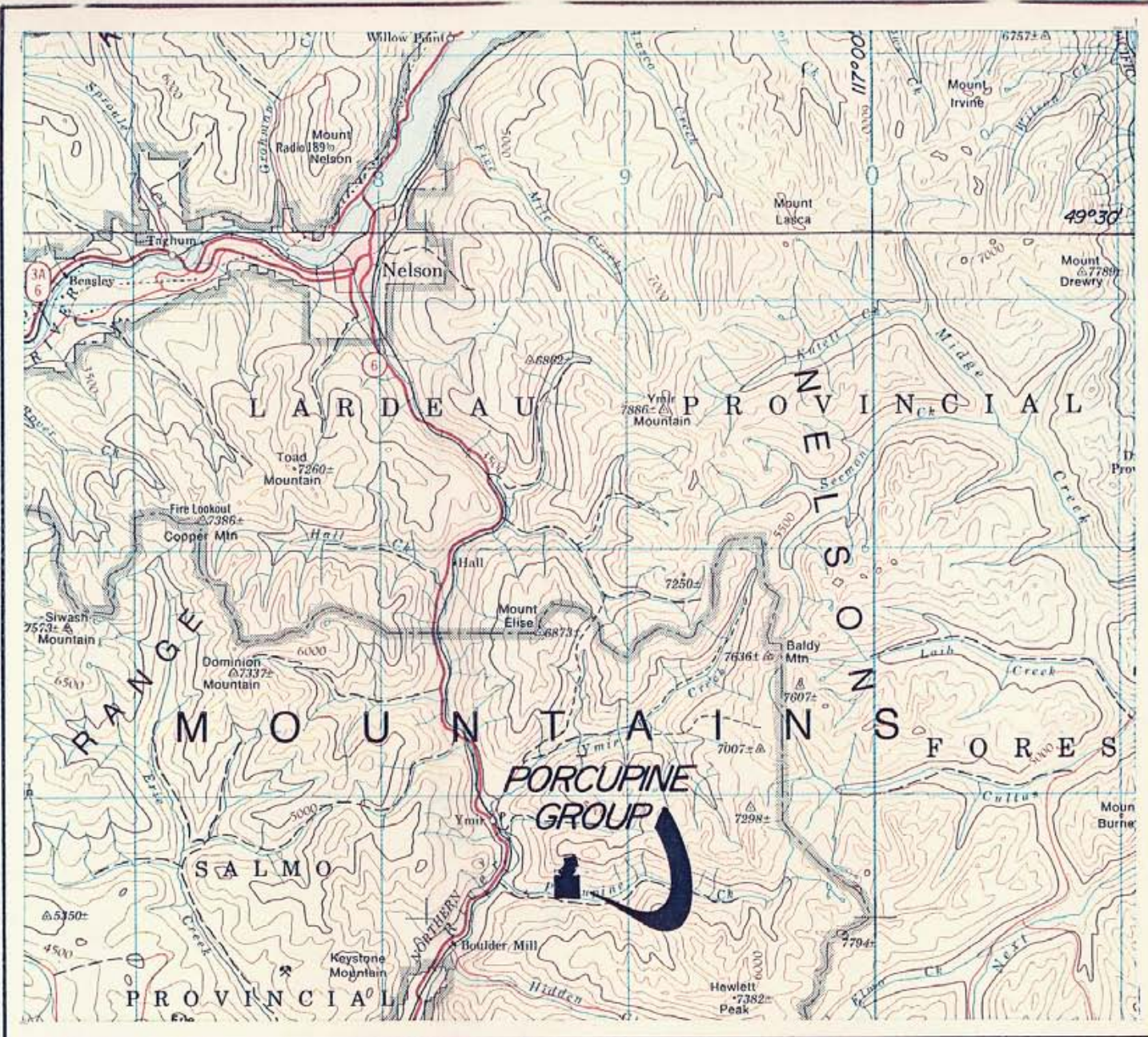
YMIR VENTURE

-1-

INTRODUCTION

On July 28 and 29, the author and Messers. Graham and Urquhart conducted reconnaissance type geochemical work on the Blue Quartz area of the Porcupine Group of Mineral Claims. The Porcupine Group is located immediately south east of the settlement of Ymir, B. C., in the Nelson Mining Division.

This report describes the setting, work done and results obtained. It was prepared for assessment work credits and assessment work details are set out in Appendix I at the back of this report.

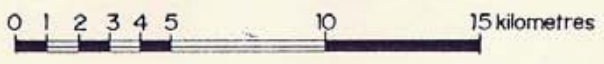


YMIR VENTURE
 Porcupine Group
 Nelson Mining Division

Ymir, B. C.
 N.T.S. 82F

Figure 1
 Location Map

Scale : 1 to 250,000 or 1 inch equals approx. 4 miles.



YMIR VENTURE

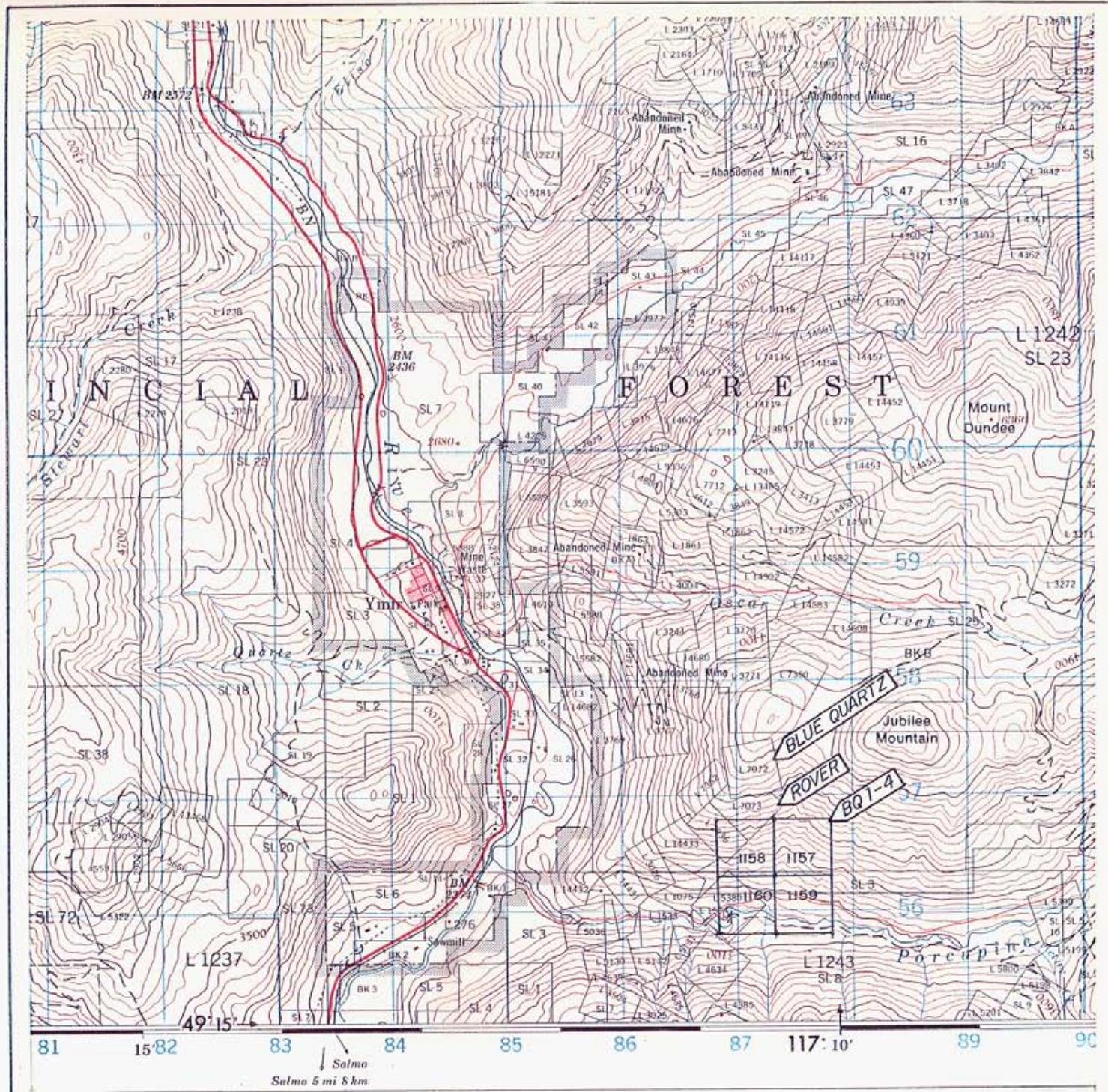
-2-

LOCATION AND ACCESS

The Porcupine Group is centred on Porcupine Creek, a westerly flowing tributary of the Salmo River, in the Kootney District of south central British Columbia. The claims lie a few kilometres south and east of the settlement of Ymir, approximately midway between the City of Nelson and town of Salmo on Highway No. 6. The centre of the claim group may be reached by car by proceeding south of Highway 6 from Ymir for 2 kilometres then easterly across a bridge over the Salmo River and onto the Porcupine Creek gravel road for two kilometres to the claims.

A second route to the north claims (Blue Quartz) is directly east from Ymir along the Oscar Creek road then south up a logging road to Jubilee Mountain. The claims are just a short walk from the end of the road.

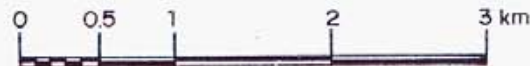
The N.T.S. code for the area is 82F/6 (E1/2) and 82F/3 (E 1/2).



YMIR VENTURE



PORCUPINE Group



Scale 1: 50,000

Nelson Mining Division Ymir, B.C.
N.T.S. 82F / 6E & 3E.

CLAIMS MAP Figure 2
From E.M. B.R. map 82F / 3 & 6 Ed. 3 "Nelson" sheet (1976)

P.K.C. 1979.

Project No 8080P

CLAIMS INFORMATION

The Porcupine Group consists of two reverted crown grants and four new "two post" claims all registered in the Nelson Mining Division. Details are set out in the following table.

TABLE A
CLAIMS INFORMATION

Name of Claim	Record No.	Lot No.	Owner	Anniversary Date before credits	Anniversary Date after credits
Blue Quartz	760	7072	D.R. Cochrane	Aug. 22/79	Aug. 22/81
Rover	761	7073	D.R. Cochrane	Aug. 22/79	Aug. 22/81
BQ 1	1157	----	C.F. Graham	Aug. 14/79	Aug. 14/81
BQ 2	1158	----	C.F. Graham	Aug. 14/79	Aug. 14/81
BQ 3	1159	----	C.F. Graham	Aug. 14/79	Aug. 14/81
BQ 4	1160	----	C.F. Graham	Aug. 14/79	Aug. 14/81

YMIR VENTURE

GENERAL SETTING

The Ymir Gold Camp lies within the Nelson Range of the Selkirk Mountain complex which is an impressive northerly trending upland surface bounded on the west by the Columbia River, and on the east by Kootenay Lake and River. The area is characterized by rugged peaks which rise to elevations in excess of 2200 metres above sea level with moderately steep slopes and deeply incised stream valleys.

Forest cover is extensive below elevations of about 1800 metres and consists of stands of tamarack, hemlock and fir. Above this level the vegetation is sup-alpine type, open and snow covered for many months of the year.

The area is readily accessible by air, road and rail, and the major population centers include Castlegar (which is serviced by air by P.W.A. from Vancouver), Nelson (pop. 6772 in 1951) and Salmo. Ymir is essentially a "ghost town"

YMIR VENTURE

-6-

but is strategically located in the Salmo Valley between Nelson and Salmo, and has a full compliment of "services".

The bedrock geology of the region is complex, but is dominated by the extremely large Nelson Batholith (and satellitic bodies) lying to the west of Ymir and which underlies the greater part of the entire Nelson map sheet (82F/6E).

The geological history of the area is long and involved and dates from the Precambrian through to a complex Pleistocene history. Geological bias is north-northwesterly with a few major valleys running transverse to this direction (i.e. Ymir and Porcupine Creeks.)

The mining history dates from 1885 when the first strikes were made, however, there was little attention paid to the area until the mid 1890's and after the Rossland rush when new locations were being considered. In 1896 many of the well known claims were staked and two years later the Ymir camp began to attract considerable

YMIR VENTURE

-7-

attention. There was a brief flurry in the late 20's and early 30's but essentially the camp is an old one, and remains relatively untouched by modern exploration techniques.

HISTORY

The Porcupine claim was the first located claim in the south Ymir area, and was staked in 1895. It was crown granted in 1902 by Mr. J.S. Clute and has been periodically worked since that time. The Blue Quartz claim was crown granted in 1907 by Arnie R. Peters and Francis B.H. Bonter, however there is no mention of the Blue Quartz in subsequent Minister of Mines Reports.

The Blue Quartz and B.Q. (located) claims lie immediately east of the Jubilee, Tyne, Dewey and Gold Queen Claims described by Drysdale in 1917, however there is no mention of the Blue Quartz claim or ground now covered by the B.Q. claims in Drysdale's report. However, one adit dump and a side hill cut were encountered on the south directed reconnaissance line.

YMIR VENTURE

-9-

FIELD WORK

Access to the Porcupine Group on July 1979, was by way of the Oscar Creek Road. A line was cut from a forestry corner post, and soil samples of the upper B soil horizon were collected at 50 and 100 metre intervals as shown on accompanying maps. The compass line was blazed, flagged and chained from the marker, and soil samples placed in kraft paper bags, which were later delivered to Min - En Labs in North Vancouver, for analysis of gold, silver, lead and zinc. Notes were kept of position, steepness and type of soils, and two grab samples collected from old workings.

DISCUSSION OF RESULTS

A total of twenty-six (26) wide spaced upper B soil horizon samples were collected in soils with poor B horizon development. Most of the soil samples were collected on a steep south facing slope which has been previously burned off and is now characterized by scrub and "shintangle" type vegetation.

The gold results ranged from a low of less than 5 parts per billion (ppb) to a high of 15 ppb. This range of values may be considered background.

Silver results ranged in value from a low of 1.2 to a high of 7.0 parts per million (ppm). The high of 7 ppm Ag was located at the extreme south west end of the most northerly line, in an area where there has been no apparent previous work. The lead (Pb) content of upper B horizon soil samples ranged from a low of 24 to a high of 435 ppm.

YMIR VENTURE

-11-

The arithmetic mean is 96 and standard deviation 98. The most consistent series of high responses is along the south end of the reconnaissance line towards Porcupine Creek in which seven (7) consecutive samples ran in excess of 90 ppm and averaged just over 210 ppm.

The zinc (Zn) content of the soil samples ranged from a low of 164 to a high of 1180 ppm. The arithmetic mean is 442 ppm. There is excellent correlation between the lead and zinc results, and the coefficient of correlation between the two metals is + 0.72

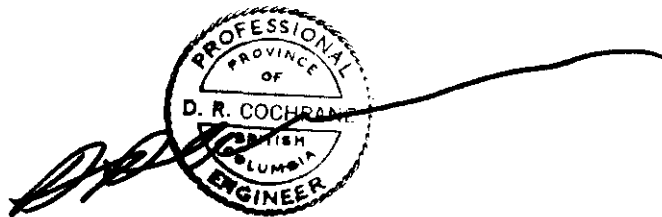
The geochemical orientation work was only moderately successful, and this may be due to the rather poor development of the upper B horizon soil. Gold and silver analysis failed to pick-up the old working, however there appears to be fair response in lead and zinc.

YMIR VENTURE

-12-

Additional orientation work is required
and should include soil profiling.

Respectfully submitted

A handwritten signature in black ink is written over a circular professional seal. The seal is for a Professional Engineer in the Province of British Columbia. The text within the seal includes "PROFESSIONAL", "PROVINCE OF", "D. R. COCHRANE", "BRITISH COLUMBIA", and "ENGINEER".

D. R. Cochrane, P. Eng.

September 20, 1979,

Delta, B. C.

YMIR VENTURE

APPENDIX I

Assessment Work Details

PROJECT: Porcupine (Blue Quartz Grid)
LOCATION: Ymir - Nelson Mining Division
N.T.S.: 82F/6 (E 1/2)
WORK DONE: Tie line establishment, tie in,
geochemical orientation work.

PERSONNEL AND DATES WORKED

D. R. Cochrane, P. Eng. July 28, 29, 1979.
C.F. Graham, prospector, July 28, 1979.
I. Urquhart, field man, July 28, 1979.
Draftspersons and typist, Cochrane Consultants Ltd.,
report preparation.

COST STATEMENT:

D. R. Cochrane, P. Eng. 2 days	
at \$250/day	\$ 500.00
Prospector, 1 day at \$100/day	100.00
Field man, 1 day at \$100/day	100.00
Geochem samples, 26 at \$7.50/sample	189.80
Truck expense, 1 day at \$35/day all found	35.00
Meals, Lodging, 3 man days	
at \$25/man day	75.00
* Reproduction	12.00
Typing 4 hours at \$10/hour	40.00
Drafting, 24 hours at \$14.85/hr	356.40
	<hr/>
Total	\$ 1,408.20

* Does not include final report reproduction

YMIR VENTURE

APPENDIX II

CERTIFICATE

I, Donald Robert Cochrane, of the Municipality of Delta, British Columbia, do hereby certify that:

1. I am a consulting geological engineer with an office at 4882 Delta Street, Delta, B. C.
2. I am a graduate of the University of Toronto (1962) with a degree in Applied Geology (B.A.Sc.) and a graduate of Queen's University (1964) with a degree in Economic Geology (M.Sc., Eng.).
3. I have practiced my profession continuously since graduation while being employed by such companies as Noranda Exploration Co. Ltd., Quebec Cartier Mines, and Meridian Explorations Syndicate. I have been in private independant practice since 1969.
4. I am a member in good standing of the Association of Professional Engineers (A.P.E.) of the Province of British Columbia, and also a member of the A.P.E. in the Province of Ontario, Saskatchewan, Alberta, and the Yukon Territories.



D. R. Cochrane, P. Eng.
September, 1979,
Delta, B. C.

VMIR VENTURE

APPENDIX III

Geochemical Certificate

COMPAN

Cochrane Consultants

GEOCHEMICAL ANALYSIS DATA SHEET

No. 9-463

PROJECT No: "Y" Venture

MIN - EN Laboratories Ltd.

DATE: Aug. 8,

705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2

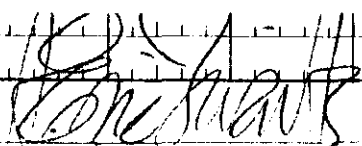
PHONE (604) 980-5814

1979.

ATTENTION:

Sample. Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb				
6	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	
81	86	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160
BQ 450			48	265			16					5				
500			27	215			12					5				
550			29	176			13					4.5				
600			26	225			14					5				
650			38	250			20					15				
700			24	164			18					5				
750			29	255			13					10				
800			27	350			70					10				
850			32	275			15					5				
900			35	265			13					4.5				
950			50	255			35					4.5				
1000			52	450			17					5				
1050			114	490			16					4.5				
1100			52	255			13					5				
1150			48	1120			16					4.5				
1200			49	450			12					4.5				
1250			94	300			14					5				
1300			54	235			13					4.5				
1400			88	410			15					4.5				
1500			435	930			21					5				
1600			315	1180			32					5				
1700			144	630			18					4.5				
1800			275	995			25					5				
1900			92	415			28					4.5				
2000			120	520			20					5				
BO 2100			98	440			16					4.5				

CERTIFIED BY



PROJECT No: **"y" Venture**

MIN - EN Laboratories Ltd.

DATE: **Aug. 8,**

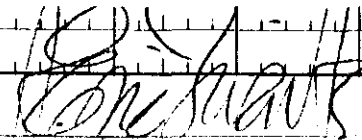
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

1979.

ATTENTION:

Sample. Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb			
6	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80
81	86	90	95	100	105	110	115	120	125	130	135	140	145	150	160
BQ 450			48	265			16					5			
500			27	215			12					5			
550			29	176			13					45			
600			26	225			14					5			
650			38	250			20					15			
700			24	164			18					5			
750			29	255			13					10			
800			27	350			70					10			
850			32	275			15					5			
900			35	265			13					45			
950			50	255			35					45			
1000			52	450			17					5			
1050			114	490			16					45			
1100			52	255			13					5			
1150			48	1120			16					45			
1200			49	450			12					45			
1250			94	300			14					5			
1300			54	235			13					45			
1400			88	410			15					45			
1500			435	930			21					5			
1600			315	1180			32					5			
1700			144	630			18					45			
1800			275	995			25					5			
1900			92	415			28					45			
2000			120	520			20					5			
BQ 2100			98	440			16					45			

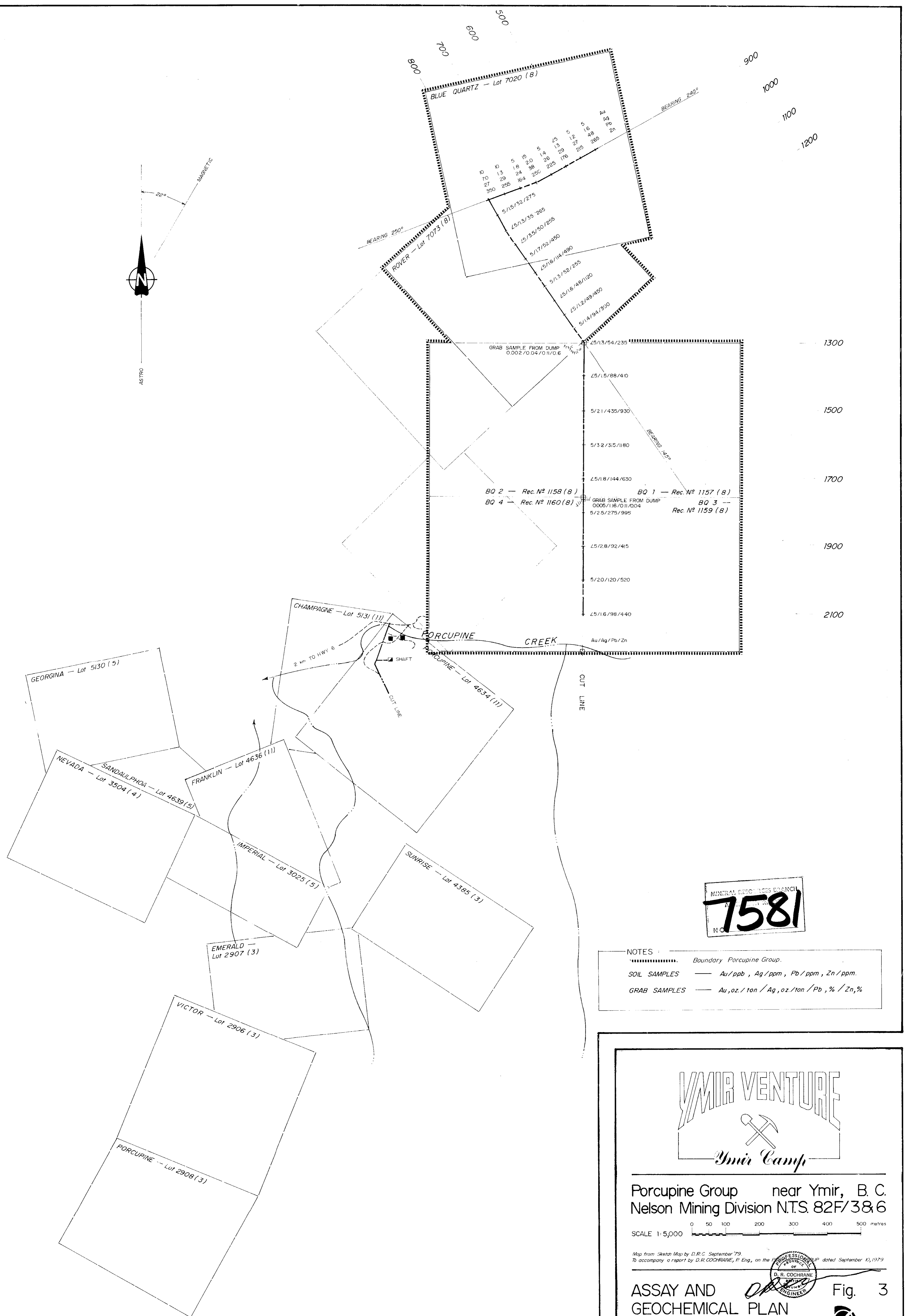
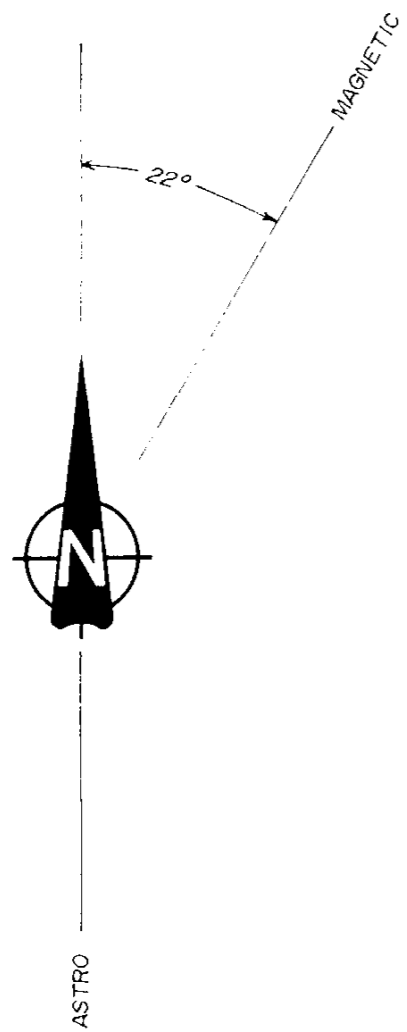
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

CERTIFIED BY: 

YMIR VENTURE

APPENDIX IV

Assay Certificate



MINERAL REVENUE BRANCH
7581
 N.C.

NOTES:
 Boundary Porcupine Group.
 SOIL SAMPLES — Au/ppb, Ag/ppm, Pb/ppm, Zn/ppm.
 GRAB SAMPLES — Au, oz./ton / Ag, oz./ton / Pb, % / Zn, %

Ymir Venture
 Ymir Camp

Porcupine Group near Ymir, B. C.
 Nelson Mining Division N.T.S. 82F/386

SCALE 1:5,000

Map from Sketch Map by D.R.C. September 79
 To accompany a report by D.R. COCHRANE, P. Eng., on the PROSPECTING PLAN dated September 10, 1979

**ASSAY AND
 GEOCHEMICAL PLAN**

Fig. 3

Cochrane Consultants Limited
 4882 Delta St., Delta, B.C. V4K 2T8 946-9221

P.K.C. SEPTEMBER, 1979 PRO. FCT. NO. B0804
 B.A.C. OCT/79 Revised