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Assessment Report

on a

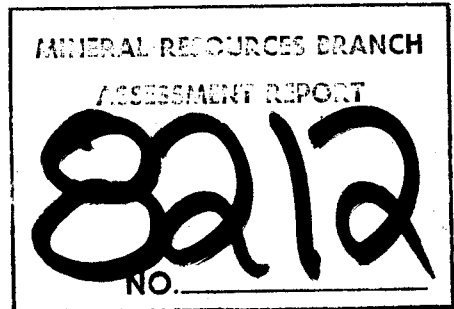
Geochemical Orientation Survey

on the

PORCUPINE GROUP

and Specifically the Porcupine,
Champagne and Franklin Reverted Crown Grants
Situated near Porcupine Creek
Some 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 May 15 - 17, 1980

YMIR VENTURE



PORCUPINE GROUP

Report by

D. R. Cochrane, P. Eng.,
and

Robert Wolfe, P. Eng.,
June 13, 1980,
Delta, B. C.

YAMIR VENTURE

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III	Certificate - D. R. Cochrane, P. Eng.

YMIR VENTURE

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A. INTRODUCTION

On May 15-17, 1980, D.R. Cochrane, P. Eng. and two prospectors conducted an orientation soil, rock and silt geochemical survey on the Porcupine Group located 2-3km southeast of Ymir, B. C., in the Nelson Mining Division.

This report describes the work and results obtained and has been prepared for assessment work credits.

YMIR VENTURE

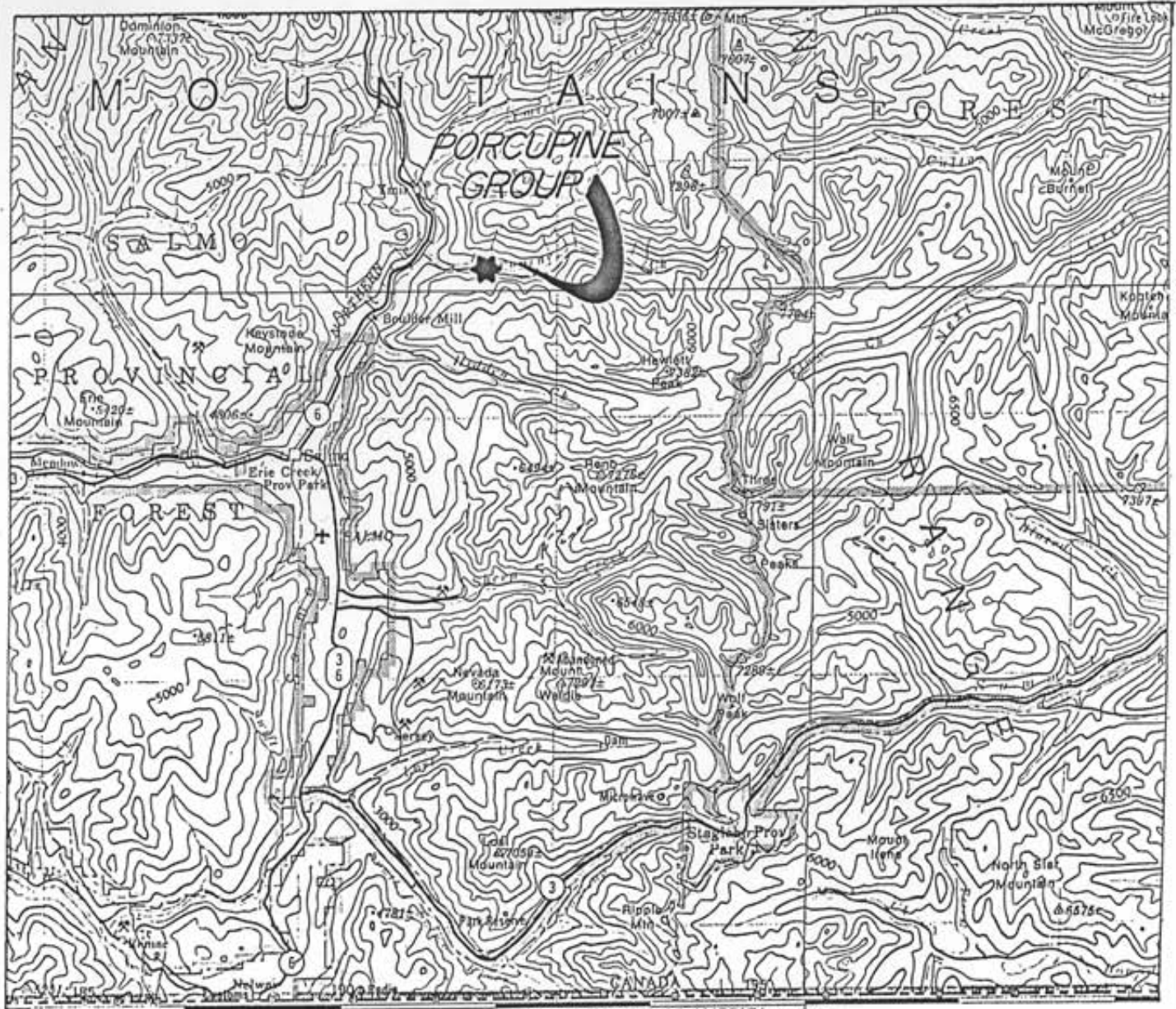
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B. LOCATION AND ACCESS

The Ymir Gold Camp is situated in British Columbia's Kootenay District, some 40 odd air kilometers east and slightly north of Trail, and 20 air kilometers south of the city of Nelson. The town of Ymir is the nearest settlement and consists of a hotel, general store and gas station and several residences. Ymir is located on Highway No. 6 which follows the Salmo River and it is serviced by the West Kootenay Power line and Burlington Northern Rail line.

Access to the claims during snow free months may be made by car by proceeding south from Ymir along Highway No. 6, then across the river and up Porcupine Creek for two kilometres or a total of approximately 5 road kilometres from downtown Ymir. The north part of the Porcupine claim crosses the creek near the bridge. The Franklin and Champagne claims are west and south of the Porcupine respectively.

The N.T.S. code for the area is 82F/6E, the latitude 49°15'N, and longitude 117°10' West. (see location map)



15' UNITED STATES OF AMERICA 117°00'

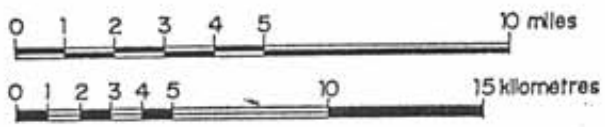


British Columbia CANADA

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.



K.U. JUNE, 1980

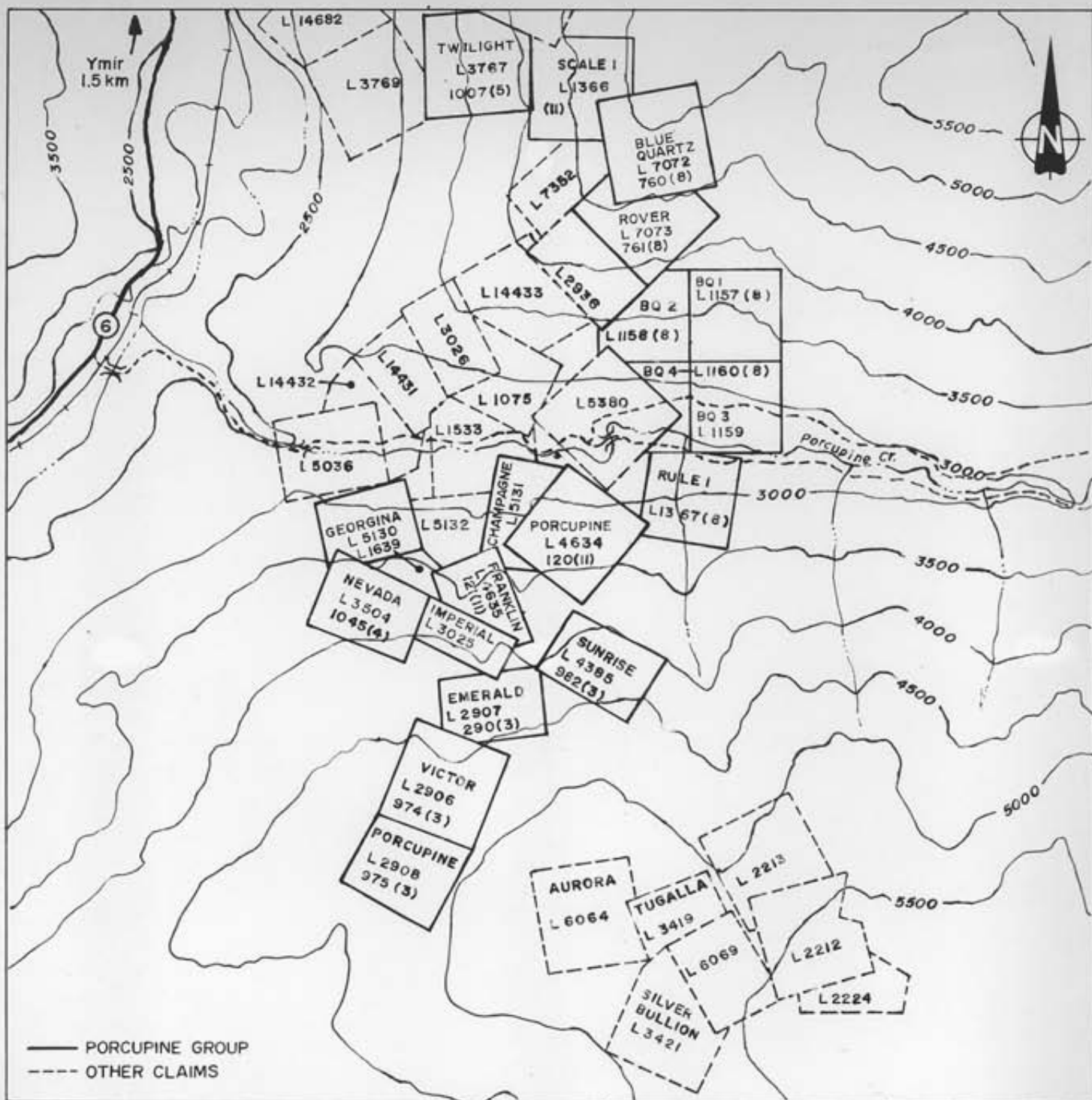

 Cochrane Consultants Limited
 8822 Dunsmuir St., Suite 800, Vancouver, B.C. V6P 1J7
 604-681-1111

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C. CLAIMS INFORMATION

The Franklin and Champagne reverted crown grants are part of the Porcupine Group, which consists of 14 reverted crown grants and 6 two-post claims registered in the Nelson Mining Division. The following table contains details and anniversary date years include credits applied for in this report.



YMIR VENTURE



PORCUPINE Group

0 0.5 1 1.5 km

Scale 1:25,000

Porcupine Group near Ymir, B.C.

Nelson M.D. N.T.S. 82F/386

CLAIMS MAP

Figure 2

PROJECT NRB080
K.U. APRIL 1980

Cochrane Consultants Limited
8882 Delta St. Delta, B.C. V4A 1T8 446-0221

YMIR VENTURE
TABLE OF CLAIMS - PORCUPINE GROUP

CLAIM NAME	TYPE	LOT NO.	RECORD NO.	ACRES	ACQUIRED	OWNER	ANNIVERSARY DATE	*YEAR
Blue Quartz	R.C.G.	7072	760	51.65	'78	D.R.C.	August 22	1981
Rover	R.C.G.	7073	761	37.84	'78	D.R.C.	August 22	1981
B. Q. No. 1	L. C.	----	1157	50 (approx.)	'79	C.F.G.	August 14	1982
B. Q. No. 2	L. C.	----	1158	50 "	'79	C.F.G.	August 14	1982
B. Q. No. 3	L. C.	----	1159	50 "	'79	C.F.G.	August 14	1982
B. Q. No. 4	L. C.	----	1160	50 "	'79	C.F.G.	August 14	1982
Scale No. 1	L. C.	----	1366	50 "	'79	P.R.W.	November 27	1981
Rule No. 1	L. C.	----	1367	50 "	'79	P.R.W.	November 27	1981
Porcupine	R.C.G.	4634	120	51.65	'75	I.U.	November 10	1982
Franklin	R.C.G.	4635	121	23.07	'75	I.U.	November 10	1982
Champagne	R.C.G.	5131	125	18.36	'75	I.U.	November 10	1982
Nevada	R.C.G.	3504	1045	48.50	'79	C.F.G.	April 9	1981
Sandaulphon	R.C.G.	4639	1096	6.14	'79	C.F.G.	May 31	1982
Georgina	R.C.G.	5130	1097	33.74	'79	C.F.G.	May 31	1982
Imperial	R.C.G.	3025	1095	37.43	'79	C.F.G.	May 31	1982
Sunrise	R.C.G.	4385	982	38.17	'79	C.F.G.	March 29	1981
Emerald	R.C.G.	2907	993	30.76	'79	C.F.G.	March 29	1981
Victor	R.C.G.	2906	974	50.04	'79	C.F.G.	March 29	1981
Porcupine	R.C.G.	2908	975	42.24	'79	C.F.G.	March 29	1981
Twilight	R.C.G.	3767	1007	48.30	'79	C.F.G.	March 30	1981
Total	20 claims							

R.C.G. = Reverted Crown Grant

L. C. = Located Claim (2 post)

D.R.C. = D.R. Cochrane

C.F.C. = C.F. Graham

I.U. = I. Urquhart

P.R.W. = P.R. Willson

* Includes credits applied for by this report

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D. 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 sub-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)

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and Salmo. Ymir is essentially a "ghost town" 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) .

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 Rosslund rush when new locations were being considered. In 1896 many

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of the well known claims were staked and two years later the Ymir camp began to attract considerable 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.

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E. GEOCHEMICAL FIELD PROCEDURE

The purpose of the geochemical survey was to determine if soil geochemistry may be a suitable method for future exploration of the claims. Consequently a reconnaissance soil sample line was run, starting on the Imperial (Lot No. 3025), and across the Franklin (Lot No. 4635), Champagne (Lot No. 5131) and the Porcupine (Lot No. 4634). (See Figure 3)

Soil samples were collected at 25 and 50 m intervals and placed in kraft bags. Notes were kept at each location with regard to colour, depth, slope, and type of soil horizon. Soil samples were collected from the upper B horizon where possible and between 15 cm and 36 cm in depth. Samples were delivered to Min-En Labs Ltd., of North Vancouver, B. C., where they were analyzed for Au, Ag.

In addition to the soil samples, 4 rock samples were collected where outcrop was found in order to aid the interpretation of the soil geochemistry. A few grab and chip samples were also collected from old workings to aid in interpretation.

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F. DISCUSSION OF RESULTS

A total of 24 soil samples were collected and analyzed for gold and silver.

The silver content of the soils ranged from a low of 0.8 ppm to a high of 16.8 ppm and the average is 2.65 ppm.

The gold content in upper horizon soil samples ranged from a low of less than 5 ppb to a high of 45 ppb. The average is about 10 ppb. Comparison of the soil samples results with the other types of samples is contained in Table A. Table B describes the mineralized samples sent for assay and representing the type of target that may be expected.

The geochemical orientation line crossed two vein type 'known' zones, the Franklin (at sample F-10) and the Porcupine sample F-29. (See accompanying plan) These zones are relatively narrow, and quite variable in width, with scattered but relatively low values in gold and silver. They therefore represent a difficult geochemical target.

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The Franklin Zone responded moderately well with a soil kick of 16.8 ppm Ag and a corresponding 20 ppb Au., at a single station with a sample interval of 25 metres. The Porcupine Zone was not detected by soil geochemistry at 25 metre intervals by Au and Ag analysis.

The rock chip samples, despite the low number of samples collected (total of four) suggests some possibilities in geochemical prospecting. Rock sample F-13 ran 2.0 ppm Ag, and was adjacent to soil sample F-12 (2.2 ppm Ag) but some 50 metres from the Franklin Zone. Additional rock geochemical work is certainly worthwhile.

Silt sample F-3 with a gold content of 45 ppb is certainly anomalous and worthy of follow-up.

TABLE A

Comparison of Geochemical Results

Type of Samples	No.	Ag Average	(ppm) Hi	Low	Average	Au (ppb) Hi	Low
Soil (Upper B)	24	2.65	16.8	0.8	~10	45	/5
Rock chips	4	1.18	2.0	0.8	~ 7.5	10	/5
Silts	2	1.45	1.6	1.3	22.5	10	45
Franklin Zone (vein)*	4	55.2	69.6	31.5	1330	4422	206
Porcupine Zone (raise)*	1	13.4	---	---	206	-----	---

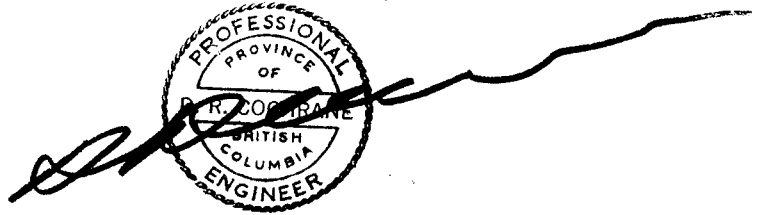
*Converted from assay values using conversion 1 ppm \equiv 0.02917 troy ounce per short ton

1 ppb \equiv 0.00002917 troy ounce per short ton

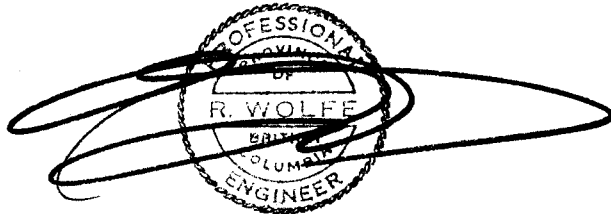
YMIR VENTURE

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Respectfully submitted,

A circular professional engineer seal for the Province of British Columbia. The seal contains the text "PROFESSIONAL ENGINEER" around the perimeter, "PROVINCE OF" at the top, and "BRITISH COLUMBIA" at the bottom. In the center, the name "D. R. COCHRANE" is printed. A large, dark, handwritten scribble is drawn over the seal, extending from the left side across the seal and towards the right.

D. R. Cochrane, P. Eng.

A circular professional engineer seal for the Province of British Columbia. The seal contains the text "PROFESSIONAL ENGINEER" around the perimeter, "PROVINCE OF" at the top, and "BRITISH COLUMBIA" at the bottom. In the center, the name "R. WOLFE" is printed. A large, dark, handwritten scribble is drawn over the seal, consisting of several overlapping loops.

Robert Wolfe, P. Eng.

June 13, 1980,

Delta, B. C.

YMIR VENTURE

APPENDIX I

ASSESSMENT WORK DETAILS

FIELD WORK

1. two field persons, for two days (May 16,17) 4 man days at \$100/man day	\$ 400.00
2. D. R. Cochrane, P. Eng. two days (May 16, 17) at \$300/day	600.00
3. Room and board, 2 days, 3 men 6 man days at \$30/man/day	180.00
4. 4 x 4 rental and mileage, two days at \$37.50/day	75.00
5. misc. field supplies, (axes, sample bags, flagging, compass etc.)	50.00
6. Mobilization/demobilization	100.00

ANALYTICAL WORK

30 soil samples at \$6.60/sample	198.00
4 rock samples at \$13.00/sample	52.00

DATA AND REPORT PREPARATION

R. Wolfe, P. Eng., 1 day at \$300/day	300.00
Typing - 5 1/2 hrs at \$12.50/hr	68.75
Drafting - 31 hrs at \$18.25/hr	565.75
Reproduction	78.00
Total	<u>\$ 2,667.50</u>

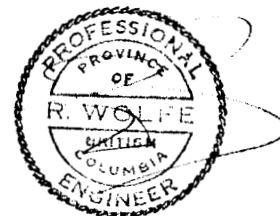
Y MIR VENTURE

APPENDIX II

CERTIFICATE

I, Robert Wolfe, of the Municipality of Maple Ridge, British Columbia, do hereby certify that:

1. I am a consulting geological engineer with an office at 4882 Delta Street, Delta, British Columbia.
2. I am a graduate of the University of Alberta, (1963) with a degree in Geology and Physics (B.Sc.). I also took an extra year of Geology at the University of British Columbia, in 1963-64.
3. I have practiced my profession since 1964, while being employed by such companies as KennCo (Western) Exploration, Meridian Exploration Syndicate, (Canex Aerial Exploration Ltd., Noranda Mines Ltd., Home Oil Co.) Orequest Syndicate, (Granby Mining Co., Home Oil Co., Homestake Silver Mines). I have been in private independent practice since 1968.
4. I have no interest, either direct or indirect in the properties or securities of Ymir Gold Mines Ltd., nor Ymir Venture, nor do I expect to receive or acquire any such interest.
5. I have been a member in good standing of the Association of Professional Engineers of the Province of British Columbia since 1967.



Robert Wolfe, P. Eng.
June 13, 1980,
Delta, B. C.

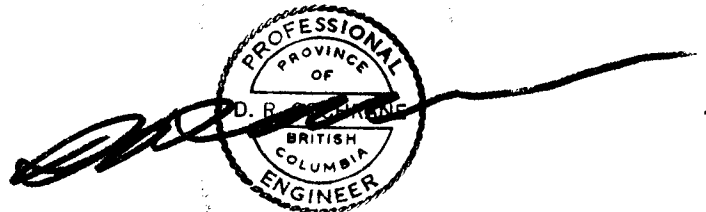
YAMIR VENTURE

APPENDIX III

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 (1965) with a Master of Science Degree in Geological Sciences (Engineering).
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 independent 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.

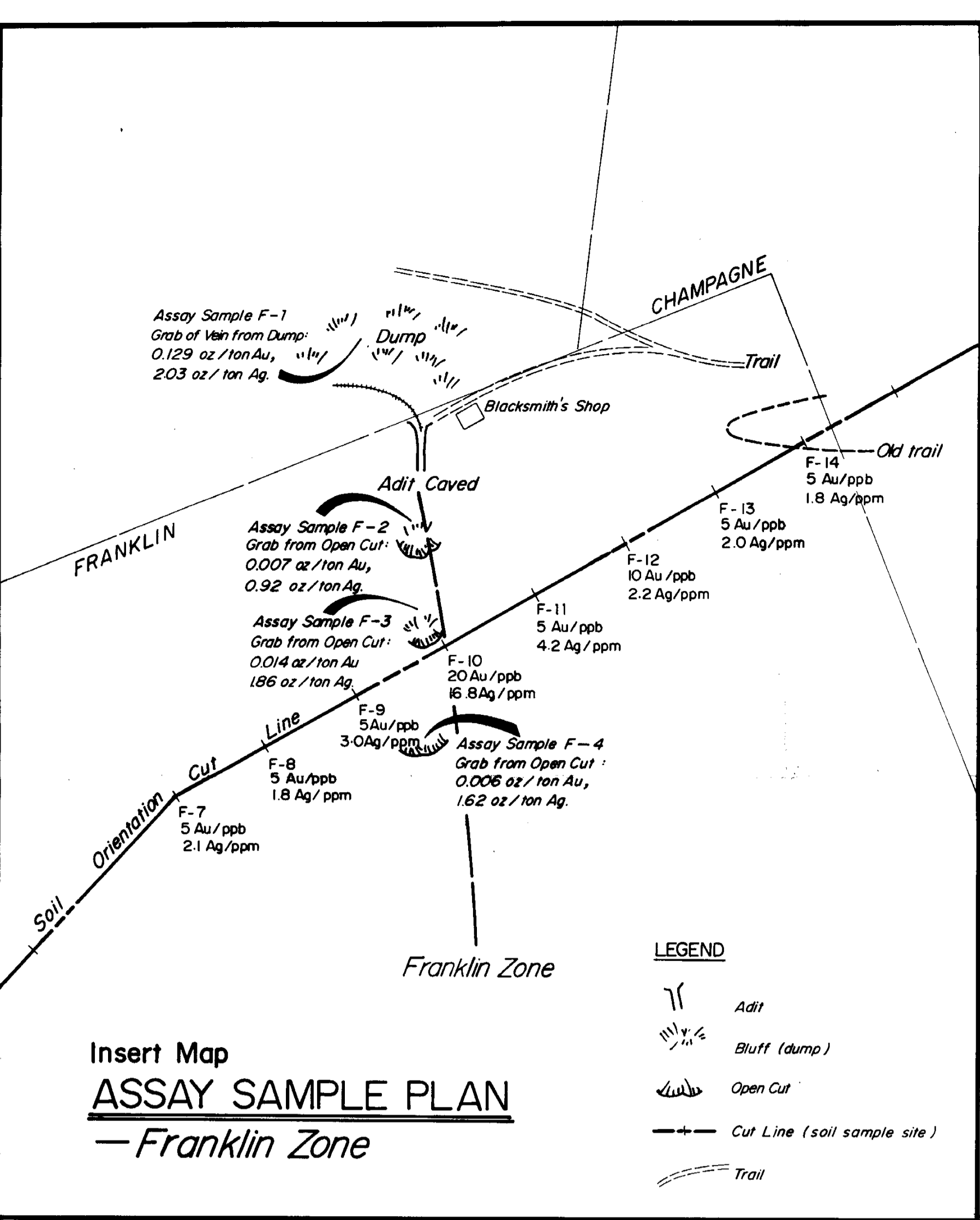


D. R. Cochrane, P. Eng.,
June 13, 1980,
Delta, B. C.

ASSAY AND GEOCHEMICAL PLAN FIG. 3

MINERAL RESOURCES BRANCH
82/3
Cochrane Consultants Limited
4882 Delta St., Delta, B.C. V4K 2T8 644-9221

NOTES
SOIL SAMPLES — Au / p.p.b., Ag / p.p.m., (Pb / p.p.m., Zn / p.p.m.)
GRAB SAMPLES — Au - oz / ton, Ag - oz / ton, (Pb - %, Zn - %)



Insert Map
ASSAY SAMPLE PLAN
— Franklin Zone

