

87-636

PROSPECTING & GEOCHEMICAL

REPORT

ON THE

SWISS MISS CLAIMS

LOG NO: 0127

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ACTION: Date received report  
back from amendments  
22p.

FILE NO: 87-636-16445

LILLOOET MINING DIVISION

08/88

HOG CREEK, CARPENTER LAKE, B.C.

Latitude : 50°54'

Longitude : 122°31'28"42"

N.T.S. : 92 J 16W

OWNER/OPERATOR : Lloyd C. Brewer

STRYDER EXPLORATIONS LTD.

#1016-470 Granville Street, Vancouver, B.C..

FILMED

OCTOBER 10, 1987

vancouver, B.C.

WRITTEN BY

L.C. BREWER

16,445

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

LIST OF CONTENTS

PAGE

SUMMARY	1
PREVIOUS WORK	2
PROPERTY	2
LOCATION, ACCESS & PHYSIOGRAPHY	3
REGIONAL GEOLOGY	3
PROPERTY GEOLOGY	4
MINERALIZATION	4
SURVEY PROCEDURE	5
DISCUSSION OF RESULTS	5
CONCLUSIONS AND RECOMMENDATIONS	6
REFERENCES	7
COST STATEMENT	8
CERTIFICATION	9
QUALIFICATIONS	10
APPENDIX I GEOCHEMICAL DATA	
APPENDIX II ROCK ANALYSIS	

LIST OF FIGURES

Figure 1 Location/Claim map	11
Figure 2 Interpretive Geology and Geochemistry	back pocket

SUMMARY

This report describes the results of mapping, soil sampling, prospecting and rock sampling undertaken on the Swiss Miss mineral claims. The property is located on the northern slopes of Carpenter Lake on Hog Creek. The claims are of interest as potentially hosting economic gold and silver mineralization.

This program located previously worked mineralization and gave some indication of its controls. Rock samples ran as high as 2120 ppb Au, with soil samples running as high as 540 ppb Au. It is recommended the property be held in good standing and further work should be carried out to determine the continuity of mineralized zones.

PREVIOUS WORK

The Shulaps mineral showing is located within the Swiss Miss claim. It was first discovered in the early 1920's by sytematic panning of the placer deposits which occur in Hog Creek. In 1925 and 1926 prospectors dug a number of trenches across the veins as well as driving an adit, reported to be 58 feet long into the hill to cross cut the vein at depth. These workings are reported to cover some 1500 feet of strike length.

There is no infformation available for the period between 1927 and 1987 when the claims were staked by Stryder Explorations Ltd. Since that time reconaissance soils, stream silts & prospecting have been carried out, with results sufficiently encouraging to warrant this follow-up program.

PROPERTY

The Swiss Miss mineral claims consist of a total of 72 gross claim units as described below:

Swiss	20 units	rec # 3504	July 18, 1988
Miss	20 units	rec # 3503	July 18, 1988
Heidi	16 units	tag # 129066	Aug 13, 1988
Hoe	16 units	tag # 129063	Aug 13, 1988

The Swiss Miss claims are owned by Stryder Explorations Ltd. of Vancouver, B.C.

#### LOCATION, ACCESS & PHYSIOGRAPHY

The property is located on Hog Creek, a tributary of Marshall Creek, north of Carpenter Lake in the Shulaps Mountains. The terrain consists of moderate to steep slopes with typical dry-belt forest cover at lower elevations and alpine type cover above 6500 feet.

Access is best gained by travelling west from Lillooet for 45 miles on the Bridge River road to the Marshall Creek turnoff. This road is followed for 5 miles and then a steep switchback road leads to within a few hundred yards of the southern boundary of the property. Alternate access is gained via short helicopter ride from Lillooet.

#### REGIONAL GEOLOGY

An ultramafic batholith of possibly Upper Triassic age underlies most of the northern half of the Shulaps Range. The remainder of the range consists of complexly folded and faulted sedimentary and volcanic strata of the Triassic and Jurassic Bridge River Group. Intruding this group and forming the spine to the southern half of the range are the granodiorite and dacite porphyry stocks.

The eastern base of the range is marked by the Yalakom fault zone which strikes into the Fraser fault system. The fault zone varies in width from tens of meters to more than a kilometer and has been associated with it much carbonatization, especially in the ultrabasic rocks. To the east of the Yalakom Fault lies the Lower Cretaceous, sedimentary, Jackass Mountain Group.

Faults along the southern end of Carpenter Lake and Marshall Creek mark the western base of the range. To the west of these faults lie further Bridge River group sediments and volcanics which are intruded by various granodiorite and quartz diorite stocks.

### PROPERTY GEOLOGY

The Swiss Miss claims are centered on a quartz diorite intruding sediments of the Bridge River Group. Mineralization and quartz veins have been observed at or near the point of contact between these two rock units.

The major rock type is an argillaceous shale generally a dark grey or black with thin sand interbeds, and locally calcareous. These sedimentary rocks are cut conformably by ultrabasic intrusions near which chloritization occurs. Smaller intermediate to basic sills and flows occur, and one acidic flow is in place but poorly exposed.

Minor "Z" & "M" folds have been observed in highly altered argillites which may be either recumbent folding or drag folds from shearing or intrusion. Shear zones in the ultrabasic units carry quartz, calcite, nephrite and talc. Chloritization is also present.

### MINERALIZATION

Current interest in the Swiss Miss Gold property is focussed on the presence of gold-bearing quartz veins which out crop in the east and west forks of Hog Creek. The quartz vein in the east fork of the creek has been traced discontinuously for over 900 meters. The vein is open along strike in both directions with geological and geochemical indications of extensions which could double the strike length. Current evidence indicates the presence of several subparallel enechelon segments of vein material which may be a multiple vein system or may be cross faulted parts of an initially continuous single vein.

Values in the quartz veins have been reported as high as 1.5 oz/t gold with 0.8 oz/t across 7 feet also reported. Values obtained in this program were up to 2120 ppb (0.06 oz/t) across 18" on surface.

## SURVEY PROCEDURES

A preliminary program of soil sampling for geochemical analysis was completed on lines running parallel and up hill 50' from the bed of Hog Creek. A total of 213 samples were collected at 50 meter intervals from the "B" horizon where possible and from talus fines when there was no soil development. All samples were submitted to Acme Analytical Laboratories Ltd., of Vancouver, for analysis. The samples were dried, pulverized and screened, with the -# 100 mesh fraction analysed, by geochemical method for Gold. All results are shown on Appendix I and on figure II

Rock samples were taken from outcrops of quartz veins and from quartz vein material located in old workings. The samples were chip type where possible and grab samples from old dump material.

The rock samples were also submitted to Acme Labs for analysis. They were analysed by 30 element ICP and by Atomic Absorption for gold. Results are shown in Appendix I and on figure II.

## DISCUSSION OF RESULTS

The results from analysis of soil samples show that the high values in gold occur on or near the contact of the quartz diorite and the shales of the Bridge River group. They also occur in groups of two or more anomalous values, with the exception of a 540 ppb reading on the northwest corner of the surveyed area. Values of 240 and 20 ppb occur a few meters downslope from a set of old workings which returned rock sample values to 2120 ppb Au. Directly west of this point in the next creek valley is a group of 3 anomalous soil samples 40, 210 & 21 ppb respectively, they occur in an area where no quartz veins have been observed to date. At a point 700 meters up the west fork of Hog Creek ( where it is believed the old adit is located ) there are two high gold reading in soils 134 & 55 ppb, as well as a strong reading in a stream silt sample, ( 121ppb Au. ). The locations of these high gold values correlates with locations of old workings, trenches and an adit, the trenches have been located.

The location of the anomalous values in rock, stream & soil samples taken during this program correlates closely to the descriptions of the sites of the old workings from the 1920's. The trenches located at SB#1 fit those described, and the anomalous values at and near SB#6 fit as to the location of the adit and other trenches on the south-west fork, although these workings have not been located to date.

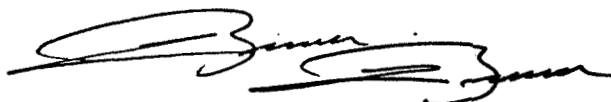
#### CONCLUSIONS AND RECOMMENDATIONS

This program of explorations can be considered a success insofar as it has located previously worked mineralization and given some indications of its controls. Mineralization ( gold ) occurs in quartz veins & veinlets within (probably not exclusively) quartz diorite, at or near the contact with the sediments of the Bridge River group. Those structures striking  $35^{\circ}$  to  $50^{\circ}$  seem to be of highest potential.

It should be noted that there is a sharp magnetic " thumb print " low occurring at the site of the upper trenches, SB#1, from previous work on the Shulaps Range, the writer has noted a direct correlation with gold mineralization and these type of magnetic lows, most notably on the Spokane Gold Property located some 6 kilometers to the east.

It is recommended that further work should be carried out on the Swiss Miss property, with emphasis on determining the continuity of the vein system, and improving gold values by blasting and trenching, and sampling the fresh vein material. It is also recommended that more time be spent along the projected strikes of mineralization prospecting and sampling. In addition there should be detailed soil grids established over the anomalous areas to determine their extent.

Respectfully submitted



Lloyd C. Brewer



REFERENCES

British Columbia Mineral Exploration Review 1985, Information Circular 1988-1

B.C.D.M. Annual Reports. 1925 pg 174-176, 1926 pg A 191.

B.C.D.M. Airborne Magnetic map 7702G

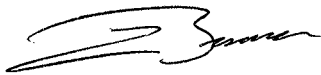
Ministry of Mines ( Min Dip ) file 092JNE088

Solkoski, L.R., Geology Report on the Spokane Gold Property, Geology and  
Diamond Drilling. November 1986; Assessment Report Prepared for Enexco  
International Limited.

COST STATEMENT

I, Lloyd C. Brewer, President of Stryder Explorations Ltd., do hereby declare that the following is a true and accurate statement of costs incurred in a program of exploration undertaken on the Swiss Miss mineral claims between June 11 and June 18, 1987.

S. Bishop, Project Supervisor	7 days @\$200.00/day	\$1,400.00
S. Kittleson, Geochemical Tech	7 days @\$125.00/day	875.00
Vehicle rental	7 days @\$50.00/day	350.00
Room and board	14 man days @\$35.00/day	490.00
Mob & de-mob		400.00
Acme Analytical analysis		
	213 soil - ICP & 6 rock	1,464.00
Report prep & drafting		1,000.00
		-----
Total cost of program		\$5,979.00



\_\_\_\_\_  
Lloyd C. Brewer,  
President

CERTIFICATION

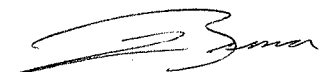
I, Lloyd C. Brewer, of the city of Vancouver, in the Province of British Columbia, Canada, do hereby certify:

That I am owner and president of Stryder Exploration Ltd., with offices located at 1016-470 Granville Street, Vancouver, B.C. V6C 1V5

I further certify:

- 1.) That I am president of Stryder Explorations Ltd., and have been employed full time in the mineral exploration industry for the past 7 years in Canada, United States and Mexico.
- 2.) I was project manager of the Geochemical Survey on the Swiss Miss mineral claim, Lillooet Mining Division, B.C.
- 3.) This report was compiled from DATA obtained from geochemical surveys carried out by field crews of Stryder Explorations Ltd., under my indirect supervision between June 11, 1987 and June 18, 1987.

January 21, 1988



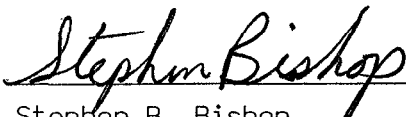
Lloyd C. Brewer

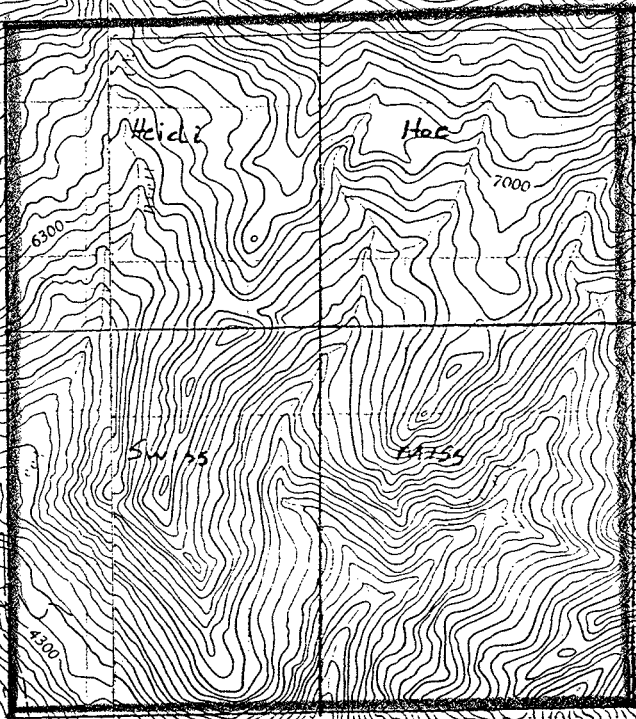
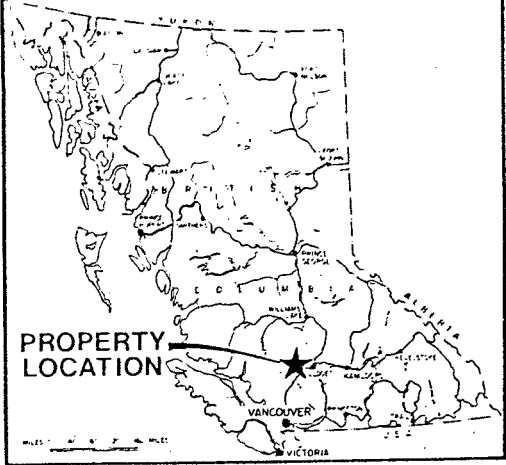
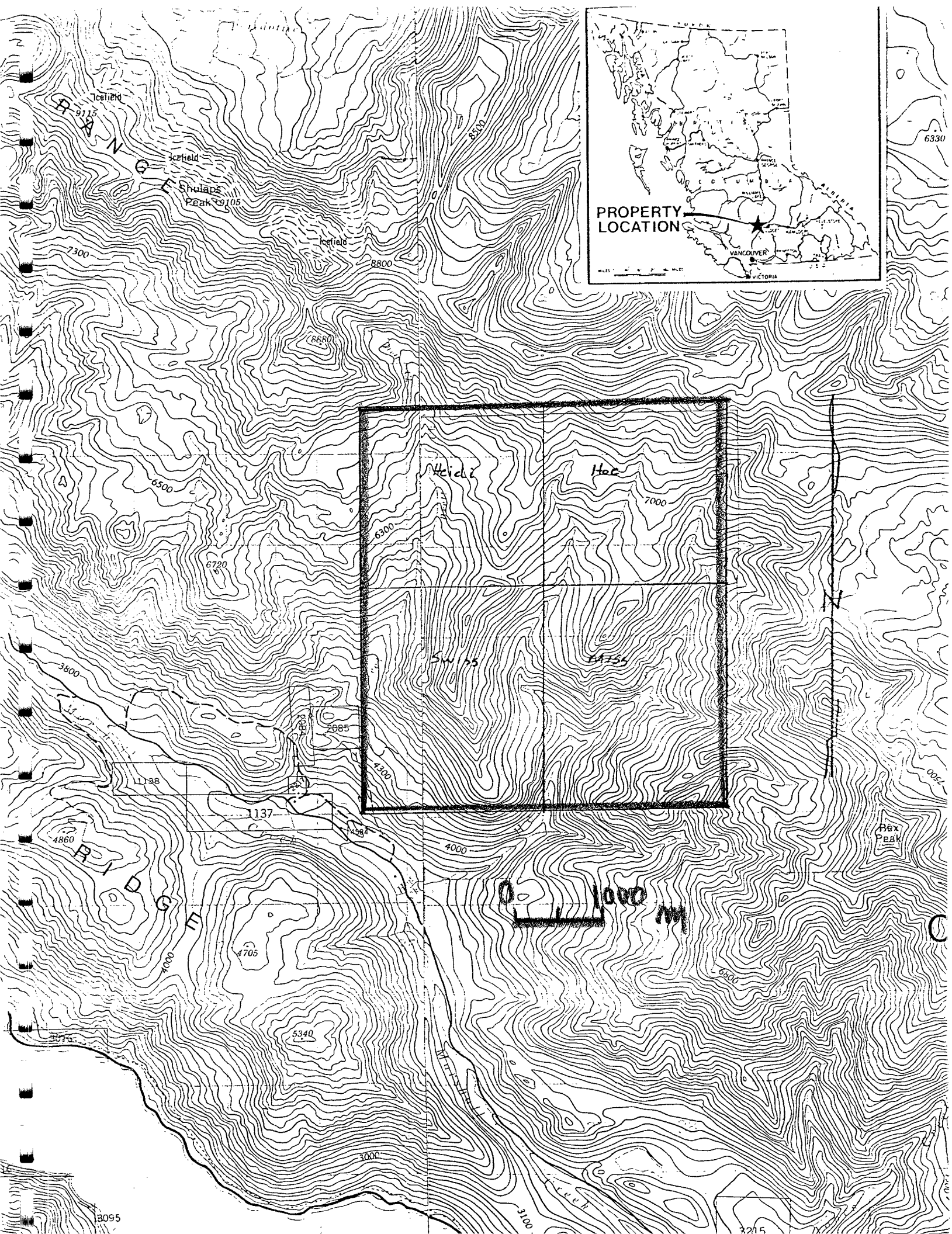
QUALIFICATIONS

I, Stephen Brian Bishop, of 2547 Dundas Street, Vancouver, B.C., hereby certify that;

- 1.) I am a graduate of British Columbia Institute of Technology, 1986 and hold a diploma for Mining Engineering Technology.
- 2.) I am presently employed as an independant mining consultant.
- 3.) I have been employed in this profession by various mining companies in the past six years.
- 4.) Information contained in this report was obtained from on-site property examination and direct supervision of field work conducted by Stryder Explorations Ltd., of Vancouver, B.C.
- 5.) I consulted with Mr. Brewer before and during the work program and throughout the report preparation period.

Dated this 21 day of January, 1988, at Vancouver, B.C.

  
Stephen B. Bishop,  
Mining Technologist



0 1000 2000 ft

## APPENDIX I

STRYDER EXPLORATION FILE# 87-2915

PAGE# 2

SAMPLE	Au* ppb
CHCR 1	1
CHCR 2	19
CHCR 3	1
CHCR 4	5
CHCR 5	1
CHCR 6	1
CHCR 7	1
CHCR 8	1
CHCR 9	4
CHCR 11	1
CHCR 12	1
CHCR 13	1
CHCR 14	1
CHCR 15	1
CHCR 16	1
CHCR 17	2
CHCR 18	1
CHCR 19	1
CHCR 20	6
CHCR 21	1
CHCR 22	1
CHCR 23	1
CHCR 24	4
CHCR 25	3
CHCR 27	2
CHCR 28	10
CHCR 29	1
CHCR 30	4
CHCR 31	7
CHCR 32	3
CHCR 33	2
CHCR 34	2
CHCR 35	21
CHCR 36	210
CHCR 37	6
CHCR 38	1

SAMPLE	Au* ppb
CHCR 39	1
CHCR 40	1
CHCR 42	1
CHCR 43	1
CHCR 44	5
CHCR 45	1
CHCR 46	3
CHCR 47	1
CHCR 48	1
CHCR 49	1
CHCR 50	1
CHCR 51	10
CHCR 52	9
CHCR 53	15
CHCR 54	7
CHCR 55	7
CHCR 56	1
CHCR 57	9
CHCR 58	6
CHCR 59	3
CHCR 60	2
CHLL 1	9
CHLL 2	1
CHLL 3	2
CHLL 4	4
CHLL 5	1
CHLL 6	2
CHLL 7	3
CHLL 8	1
CHLL 9	1
CHLL 10	2
CHLL 11	55
CHLL 12	1
CHLL 13	134
CHLL 14	5
CHLL 15	10

SAMPLE	Au* ppb
CHLL 16	16
CHLL 18	2
CHLL 19	3
CHLL 20	1
CHLL 21	8
CHLL 22	1
CHLL 23	1
CHLL 24	1
CHLL 25	1
CHLL 26	2
CHLL 27	1
CHLL 28	7
CHLL 29	3
CHLL 30	5
CHLL 33	6
CHLL 34	2
CHLL 36	1
CHLL 37	1
CHLL 38	2
CHLL 39	2
CHLL 41	1
CHLL 42	1
CHLL 43	1
CHLL 44	1
CHLL 45	1
CHLL 46	3
CHLL 47	1
CHLL 48	1
CHLL 49	1
CHLL 50	3
CHLL 51	1
CHLL 52	3
CHLL 53	6
CHLL 54	3
CHLL 55	1



SAMPLE	Aux ppb
CHLL 56	5
CHLL 57	540
CHLL 58	7
CHLL 59	9
CHLL 60	6
HCL 1	5
HCL 2	3
HCL 3	3
HCL 4	2
HCL 5	1
HCL 6	5
HCL 7	2
HCL 8	3
HCL 9	2
HCL 10	1
HCL 11	10
HCL 12	2
HCL 14	16
HCL 15	15
HCL 16	120
HCL 17	1
HCL 18	3
HCL 19	1
RHL 1	2
RHL 2	1
RHL 3	1
RHL 4	1
RHL 5	1
RHL 6	1
RHL 7	1
RHL 8	2
RHL 9	1
RHL 10	1
RHL 11	1
RHL 12	1
RHL 13	1

SAMPLE	Au* ppb
RHL 14	2
RHL 15	5
RHL 16	2
RHL 17	4
RHL 18	240
RHL 19	14
RHL 20	2
RHL 21	7
RHL 22	5
RHL 23	3
RHL 24	15
RHL 25	2
RHL 26	2
RHL 27	3
RHL 28	4
RHL 30	4
RHL 31	3
RHL 32	1
RHL 33	2
RHL 34	1
RHL 35	1
RHL 36	1
RHL 37	1
RHL 38	2
RHL 39	1
RHL 40	1
RHL 41	1
RHL 42	2
RHL 43	1
RHL 44	2
RHL 45	1
RHL 46	1
RHL 47	2
RHL 48	1
RHL 49	2
RHL 50	1

SAMPLE	Au* ppb
RHL 51	2
RHL 52	1
RHL 53	1
QU 1	2
QU 2	1
QU 3	20
QU 4	5
QU 5	2
QU 6	1
QU 7	1
QU 8	1
QU 9	5
QU 10	1
QU 11	2
QU 12	2
QU 13	1
QU 14	4

SAMPLE	Au* ppb
HLR 1	1
HLR 2	3
HLR 3	2
HLR 4	2
HLR 5	1
HLR 6	1
HLR 7	1
HLR 8	1
HLR 9	2
HLR 10	7
HLR 11	7
HLR 12	140
HLR 13	6
HLR 14	7
HLR 15	3
HLR 16	6
HLR 17	8

## GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: Rock Chips      AUT ANALYSIS BY AA FROM 10 GRAM SAMPLE.

*R2-8 Soil*

DATE RECEIVED: AUG 1 1987      DATE REPORT MAILED: *Aug 11/87*      ASSAYER: *D. Jeyaraj* ..DEAN TOYE, CERTIFIED B.C. ASSAYER

STRYDER EXPLORATION      File # B7-2415      Page 1

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AUT
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
SB# 1	1	53	7	79	.2	213	37	191	6.99	16	13	ND	3	86	1	2	208	.87	.410	3	402	9.09	1	.02	2	4.87	.01	.01	1	2120	
SB# 2	2	37	5	27	.1	11	2	276	1.18	10	5	ND	1	32	1	2	6	.67	.013	2	8	.33	29	.01	2	.42	.01	.07	2	2	
SB# 3	7	17	9	26	.3	75	6	1009	1.79	32	5	ND	1	234	1	2	15	10.66	.016	4	52	1.16	30	.01	26	.68	.22	.08	3	1	
SB# 4	1	17	13	21	.1	718	46	604	3.67	128	6	ND	1	142	1	2	25	1.37	.030	2	859	8.26	10	.01	2	.70	.01	.01	1	3	
SB# 5	2	17	7	31	.2	97	8	571	1.50	22	5	ND	2	193	1	2	14	3.51	.030	3	117	.96	37	.01	2	.73	.01	.11	1	1	
SB# 6	1	50	102	80	.9	245	35	469	5.74	12	6	ND	2	455	1	8	172	5.67	.943	4	390	6.81	5	.04	2	4.24	.03	.01	2	1030	
STD C/AU-R	19	60	38	132	7.4	72	29	957	3.97	41	18	8	39	51	19	16	21	59	.46	.092	39	61	.86	180	.08	36	1.84	.06	.14	13	495

SAMPLE	Au** ppb
HC-1	1
HC-2	47
HC-3	5
HC-4	6
HC-5	7
HC-6	1
HC-7	1
HC-8	1
HC-9	1
HC-10	1
HC-11	1
HC-12	1
HC-13	12
HC-14	1
HC-15	1
HC-16	1
HC-17	1
HC-18	131

(FOR PL

# CLAIM MAP

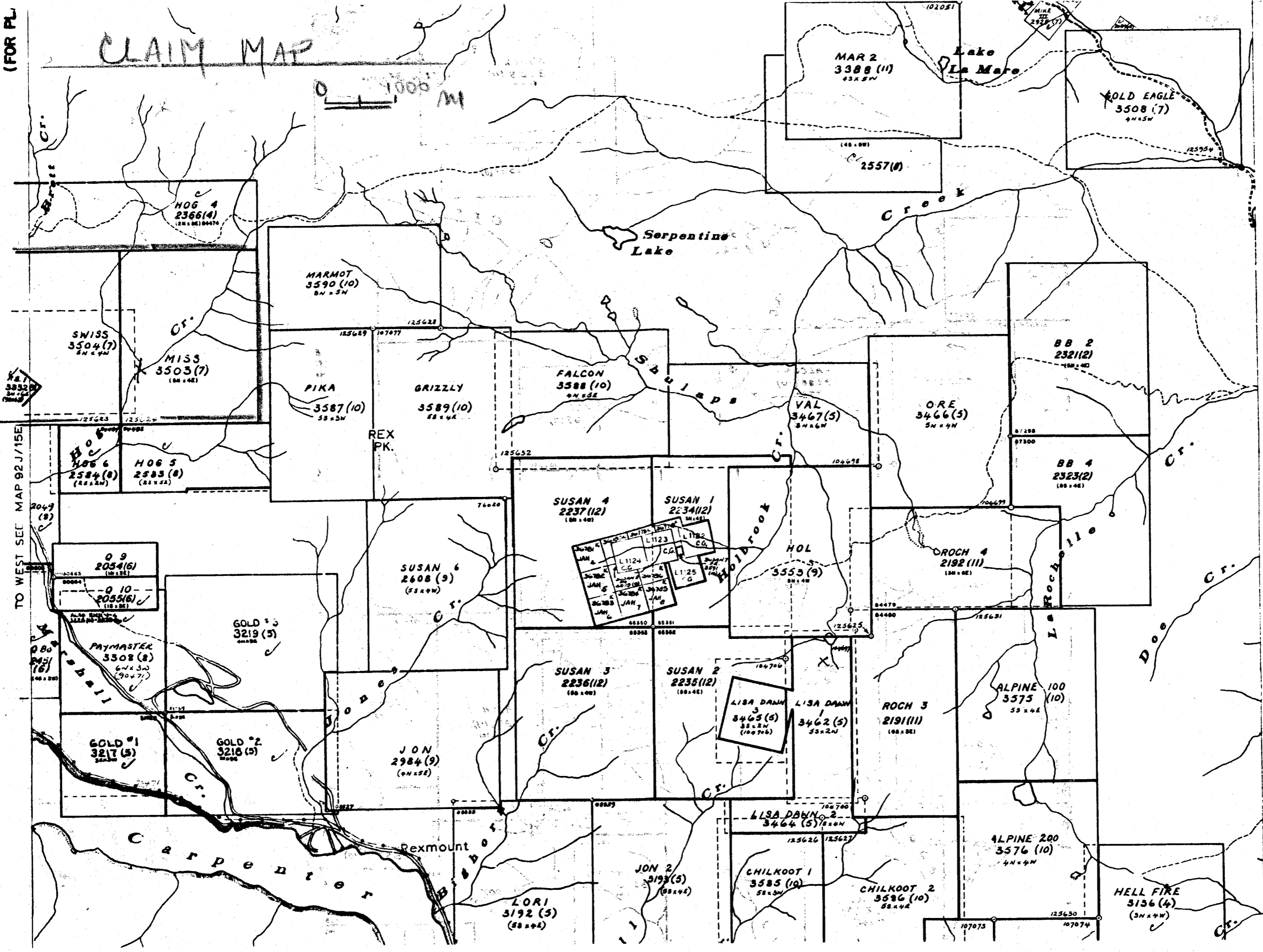


5

4

3

TO WEST SEE MAP 92J/15E



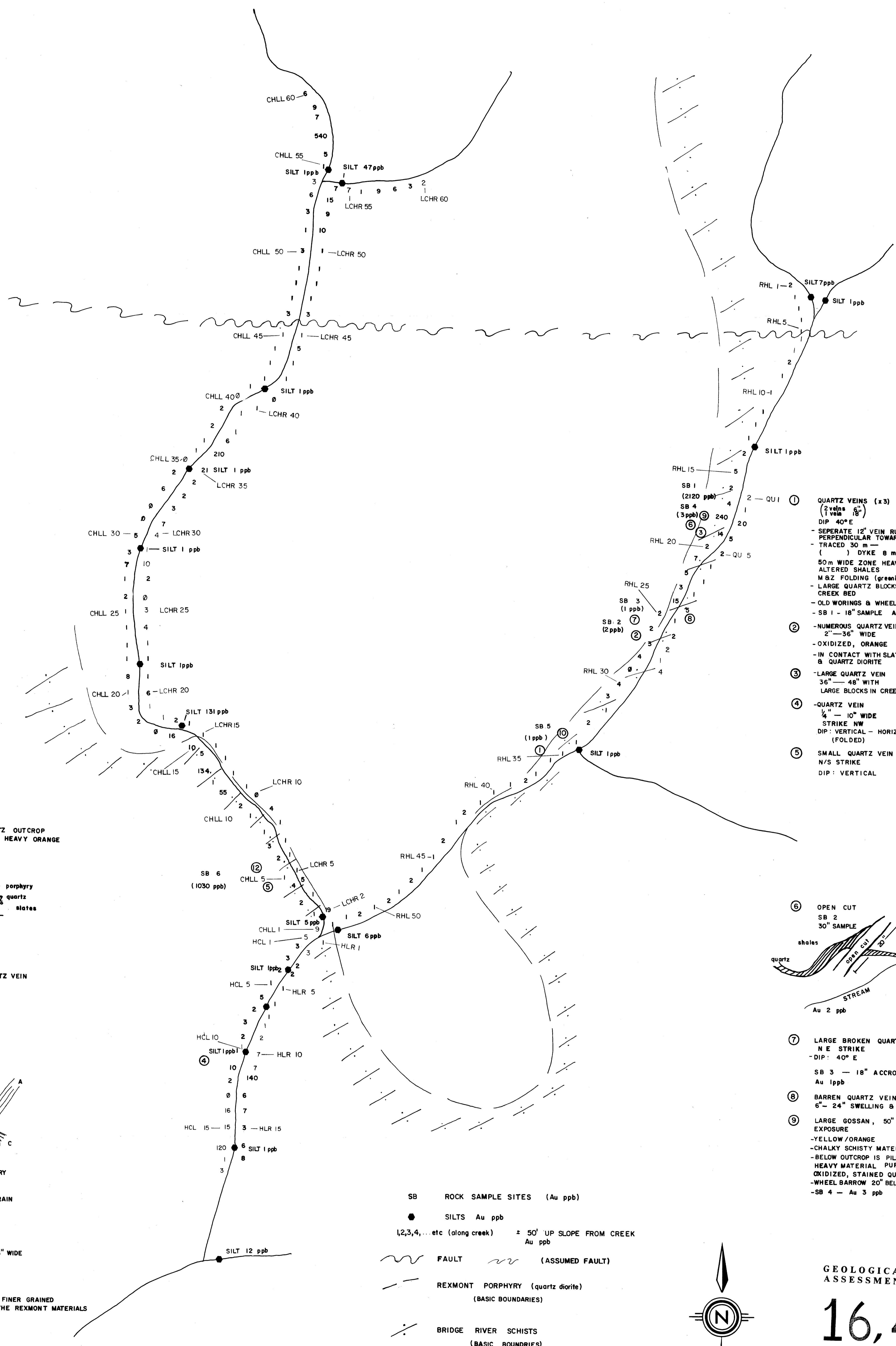
N  
4  
92J/16W

TO EAST SEE MAP 92J/16E

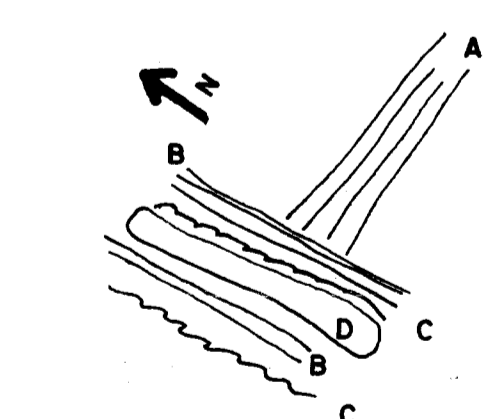
- Legend
- CLAIM-GUARANTEED MINERAL CLAIM
  - REVERTED U.S. MINERAL CLAIM
  - FORFEITED MINERAL CLAIM
  - VERIFIED LEGAL CORNER POST
  - LEGAL SURVEY
  - LEGAL CORNER POST - T&M NUMBER GIVEN



Department of Energy  
Ministry of Energy, Mines and  
Technical Services



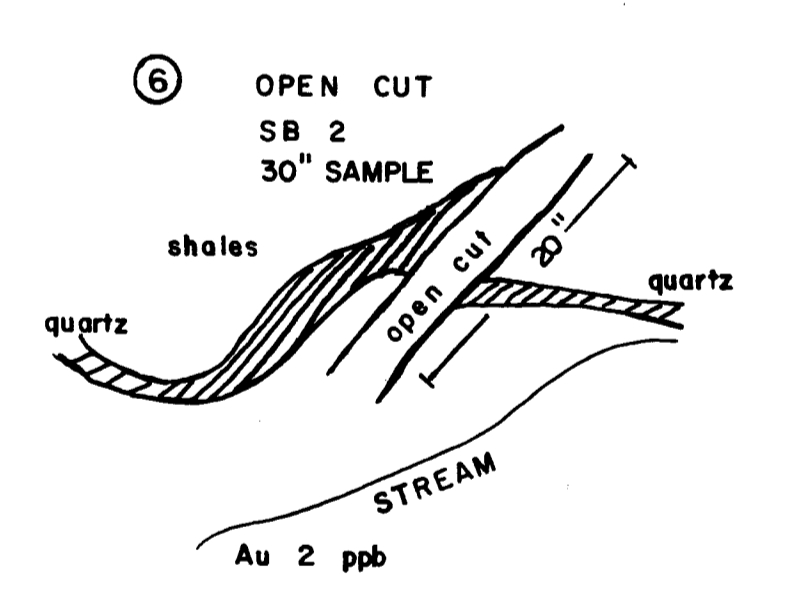
- ⑩ 36" WIDE QUARTZ OUTCROP WITH PORPHYRY HEAVY ORANGE STAINING  
STRIKE N-S  
DIP 20° E
- ⑪ 12" WIDE QUARTZ VEIN STRIKE E-W  
DIP 65° S
- ⑫ SB 6  
Au 1030 ppb



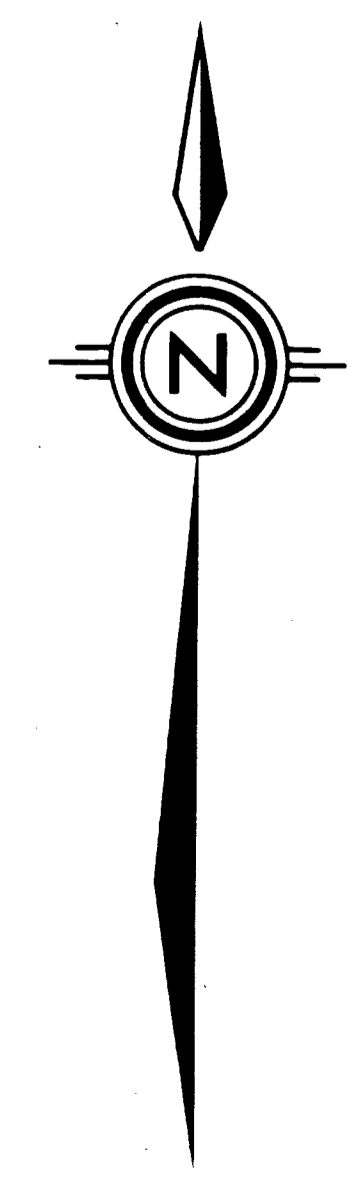
- A REXMONT PORPHYRY STRIKE E-W  
DIP 50° S  
COARSE LIGHT GRAIN
- B SHALES, SLATE N-S STRIKE  
DIP 40° E
- C QUARTZ VEINS 6" WIDE  
N-S STRIKE  
DIP 40° E
- D QUARTZ DIORITE HEAVY MATERIAL FINER GRAINED THAN MOST OF THE REXMONT MATERIALS

- SB ROCK SAMPLE SITES (Au ppb)
- SILTS Au ppb  
1,2,3,4... etc (along creek) ± 50' UP SLOPE FROM CREEK  
Au ppb
- ~ FAULT (ASSUMED FAULT)
- - - REXMONT PORPHYRY (quartz diorite) (BASIC BOUNDARIES)
- BRIDGE RIVER SCHISTS (BASIC BOUNDARIES)

- ① QUARTZ VEINS (x3)  
(2 veins 8")  
(1 vein 18")  
DIP 40° E  
- SEPERATE 12" VEIN RUNNING PERPENDICULAR TOWARDS NW  
- TRACED 30 m -  
( ) DYKE 8 m WIDE  
50 m WIDE ZONE HEAVILY ALTERED SHALES  
M&Z FOLDING (greenish)  
- LARGE QUARTZ BLOCKS IN CREEK BED  
- OLD WORINGS & WHEELBARROW  
- SB 1 - 18" SAMPLE Au 200 ppb
- ② - NUMEROUS QUARTZ VEINS 2"-36" WIDE  
- OXIDIZED, ORANGE  
- IN CONTACT WITH SLATES & QUARTZ DIORITE
- ③ - LARGE QUARTZ VEIN 36" - 48" WITH LARGE BLOCKS IN CREEK
- ④ - QUARTZ VEIN 1/2" - 10" WIDE STRIKE NW  
DIP: VERTICAL - HORIZONTAL (FOLDED)
- ⑤ - SMALL QUARTZ VEIN N/S STRIKE  
DIP: VERTICAL



- ⑥ OPEN CUT SB 2 30" SAMPLE  
shales quartz  
Au 2 ppb
- ⑦ LARGE BROKEN QUARTZ VEINS N-E STRIKE  
DIP: 40° E  
SB 3 - 18" ACCROSS OXIDIZED  
Au 1ppb
- ⑧ BARREN QUARTZ VEIN 6" - 24" SWELLING & PINCHING
- ⑨ LARGE GOSSAN, 50' x 50' OF EXPOSURE  
- YELLOW / ORANGE  
- CHALKY SCHISTY MATERIAL  
- BELOW OUTCROP IS PILE OF ROCKS, HEAVY MATERIAL PURPLE & OXIDIZED, STAINED QUARTZ VEINS  
- WHEEL BARROW 20" BELOW PILE.  
- SB 4 - Au 3 ppb



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

16,445

STRYDER EXPLORATIONS LTD.		
SWISS MISS PROPERTY - HOG CREEK, CARPENTER LAKE AREA, LILLOOET M.D. B.C.		
GEOCHEMICAL & GEOLOGICAL SURVEYS		
TO ACCOMPANY REPORT BY L.C. BREWER		
NTS 92J/16	SCALE: 1:5000	FIG
OCTOBER 87	DRAWN BY: D.S.A.	3