

GEOLOGICAL ASSESSMENT

REPORT LOG NO:	NOV 17 1992	RD.
ACTION:		
FILE NO:		

ON THE

SUN PROPERTY

KAMLOOPS MINING DIVISION

SUB-RECORDER RECEIVED	
NOV 09 1992	
M.I. #	\$
VANCOUVER B.C.	

LATITUDE 50° 48' NORTH  
LONGITUDE 120° 45.5' EAST

NTS 92I 15 W

FOR

THE SUN JOINT-VENTURE  
VANCOUVER, B.C.

BY  
David Blann, P.Eng.  
P.O. BOX 756  
SQUAMISH, B.C.  
V0N 3G0

WORK APPROVAL # 92-1500303-1593

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

22,620

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### SUMMARY

The Sun Claims are comprised of 19 contiguous claim units located on the north side of Kamloops Lake at Copper Creek, in the Kamloops Mining Division. An old mercury mine is located 2.0 kilometres west of the Sun Property, and the Afton copper-gold porphyry mine is 17 kilometres to the east-southeast. A 8 man-day program of prospecting, mapping and sampling was carried out during the spring and summer of 1992.

Moderate to strong chlorite-epidote-carbonate alteration of Nicola Group augite-olivine porphyritic basaltic volcanic rocks occurs. Locally, the rocks are silicified or serpentinous. The porphyritic volcanic rocks are cut by a stock of altered quartz-diorite, and andesite, lamprophyre, and rhyolite dykes. Crosscutting relationships indicate several periods of intrusion occurred. Major structures trend north-northwest and east-west, with subordinate northeast fracturing.

Fracture controlled chalcopyrite and bornite mineralization with associated silver and gold values occur within highly sheared, altered porphyritic volcanic rocks. A 2-3 metre wide shear returned 10786 ppm copper, 8.9 ppm silver, and 214 ppb gold. A 0.1 metre quartz vein returned 4889 ppm copper, 73.4 ppm silver, 387 ppb gold, 6953 ppm lead and 1025 ppm zinc. A sample from a 5-10 metre wide zone of quartz stockwork and silicification at the eastern contact of the quartz-diorite intrusion contained 4 ppm copper, 66 ppb gold and 79 ppm mercury. Variations in vein mineralogy, and crosscutting structures suggest several periods of mineralization occurred.

Further work using a combination of mapping, sampling, soil geochemistry and geophysics is recommended to locate copper or gold-silver mineralization in the area.

INTRODUCTION

The Sun Claims are comprised of 19 contiguous claim units currently held in trust for the Sun Joint-Venture of Vancouver, B.C.. During the spring and summer of 1992, eight man-days were spent on an initial property evaluation consisting of general prospecting, mapping and sampling.

TABLE 1CLAIM INFORMATION

<u>CLAIM</u>	<u>RECORD#</u>	<u>#UNITS</u>	<u>EXPIRY DATE*</u>
SUN 1	303955	9	November 12/93
SUN 2	303779	1	November 12/93
SUN 3	303780	1	November 12/93
SUN 4	303781	1	November 12/93
SUN 5	303782	1	November 12/93
SUN 6	303783	1	November 12/93
SUN 7	303784	1	November 12/93
SUN 8	307653	1	February 28/94
SUN 9	307652	1	February 28/94
SUN 10	307651	1	February 28/94
SUN 11	307654	1	February 28/94

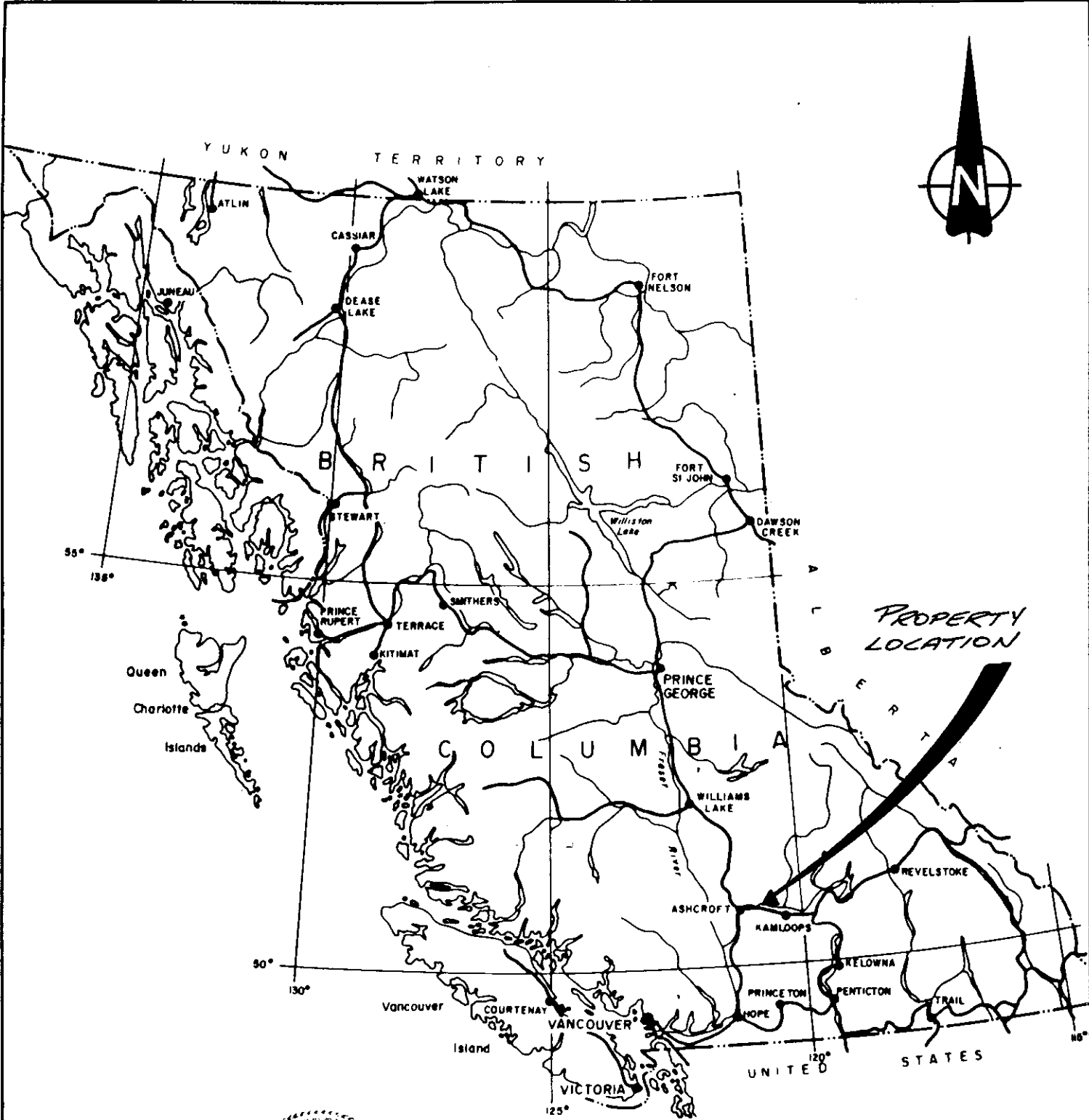
TOTAL 19 UNITS

The claims are recorded in the Kamloops Mining Division.

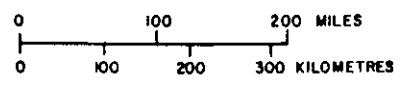
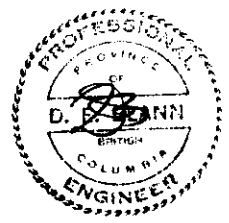
\* Pending assessment approval

LOCATION/ACCESS/INFRASTRUCTURE

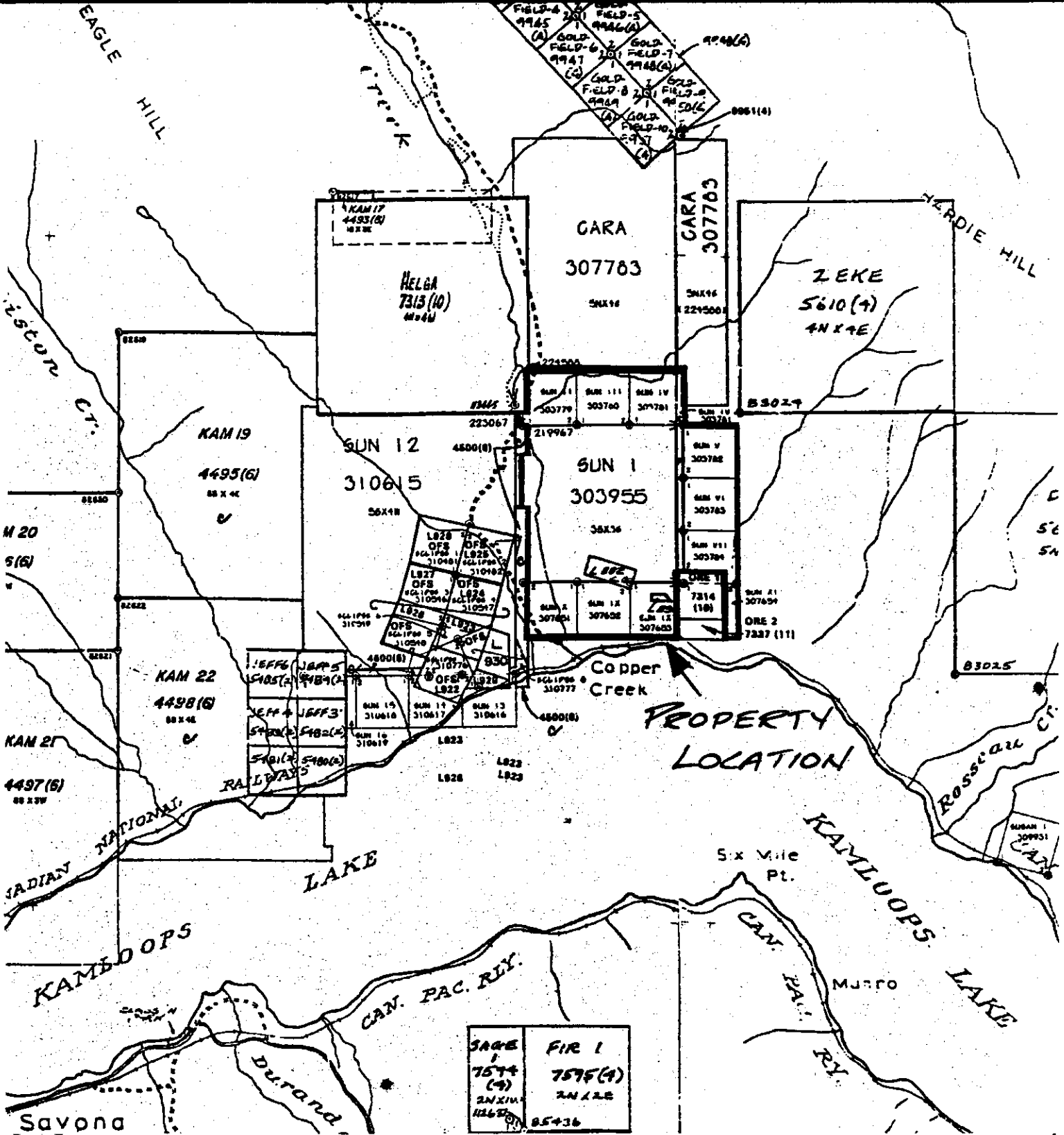
The Sun Property is located on the north side of Kamloops Lake (Thompson River) at Copper Creek, 20 kilometres west-northwest of Kamloops, B.C.. A Canadian National Rail line runs along the north side of the Thompson River from Savona, through the property, to Kamloops. Good condition all-weather roads from Highway #1 at Savona and North Kamloops connect to the property via the Carabine Creek road to Copper Creek. Power and telephone lines are located at Red Lake, 5 Kilometres north of the property, and water is available from Carabine Creek that runs through the property.



*PROPERTY LOCATION*



<i>SUN JOINT VENTURE</i>		
<i>SUN 1-11 CLAIMS</i>		
<i>PROPERTY LOCATION</i>		
<i>NTS: 92I/15</i>	<i>DATE: OCT '92</i>	<i>FIGURE: 1</i>



SAGE 7574 (4) 2N X 1W 11620	FIR 1 7575(4) 2N X 2E 85436
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SUN JOINT VENTURE  
 SUN 1-11 CLAIMS  
 CLAIM MAP  
 NTS: 925/15W SCALE: 1:50,000 FIGURE: 2



### GENERAL GEOGRAPHY

The Sun Property covers an area of moderately rolling hills transected by north trending valleys. The topography ranges from approximately 1200 to 2500 feet in elevation. The area is generally dry, with open pine forest at higher elevations. Precipitation is limited to about 20 inches per year, most of which occurs in the winter months between November and March.

### HISTORY

The Sun property has been explored since the late 1890's, with copper and mercury receiving the most attention. A 200 X 450 metre crown granted mineral claim called the Tenderfoot was staked in 1889 to cover an outcrop containing bornite mineralization. Intermittent work in the area continued until Falaise Lake Mines Ltd. performed prospecting, soil sampling and diamond drilling (Chisolm, 1972).

Roccoco Resources Ltd. performed soil geochemistry, VLF-EM geophysics, percussion and diamond drilling in the vicinity of the Tenderfoot showing between 1982 and 1985.

TABLE 2

#### SUMMARY OF DRILLING RESULTS (1982-1983)

HOLE	TOTAL		INTERSECTION				
	DEPTH	FROM	TO	WIDTH	Cu%	Au	Ag
	(FT)	(FT)	(FT)	(FT)	%	OZ/T	OZ/T
P82-1	100	10	100	90	0.44	0.004	0.12
P82-2	105	10	105	95	0.82	0.005	0.18
P82-3	35	15	35	20	0.06	0.002	0.02
P82-4	135	10	135	125	0.30	0.002	0.08
*DDH 83-1	200	42	200	158	~0.31	~0.001	?
*DDH 83-2	204	32	100	68	~0.72	~0.001	~0.23
*DDH 83-3	no samples, minor mineralization noted						
*DDH 83-4	no samples, minor mineralization noted						

\* The diamond drill core was partially sampled; these results include values of 0.001% copper and 0.001 oz/ton gold over unsampled intervals from 5 to 20 feet in length. Drill logs indicate higher grade mineralization contained up to 4% copper over a 5 foot (1.5 metres) interval (83-1). A more detailed description of these work programs may be found in assessment report #11,354, and #15,071.

### REGIONAL GEOLOGY

The area north of Kamloops Lake is underlain by rocks of Upper Triassic to Tertiary age. The following rocks occur in the area (after Game, 1985).

#### Kamloops Group

Dewdrop Flats formation  
porphyritic basalt, breccia, andesite and agglomerate

Tranquille formation  
conglomerate, sandstone, shale, tuff

Coldwater formation  
conglomerate, sandstone, shale, coal

Ashcroft Formation  
Coarse Conglomerate (+minor sandstone)

#### Post-Lower Cretaceous

Copper Creek Intrusions  
Granite, granodiorite, granite porphyry

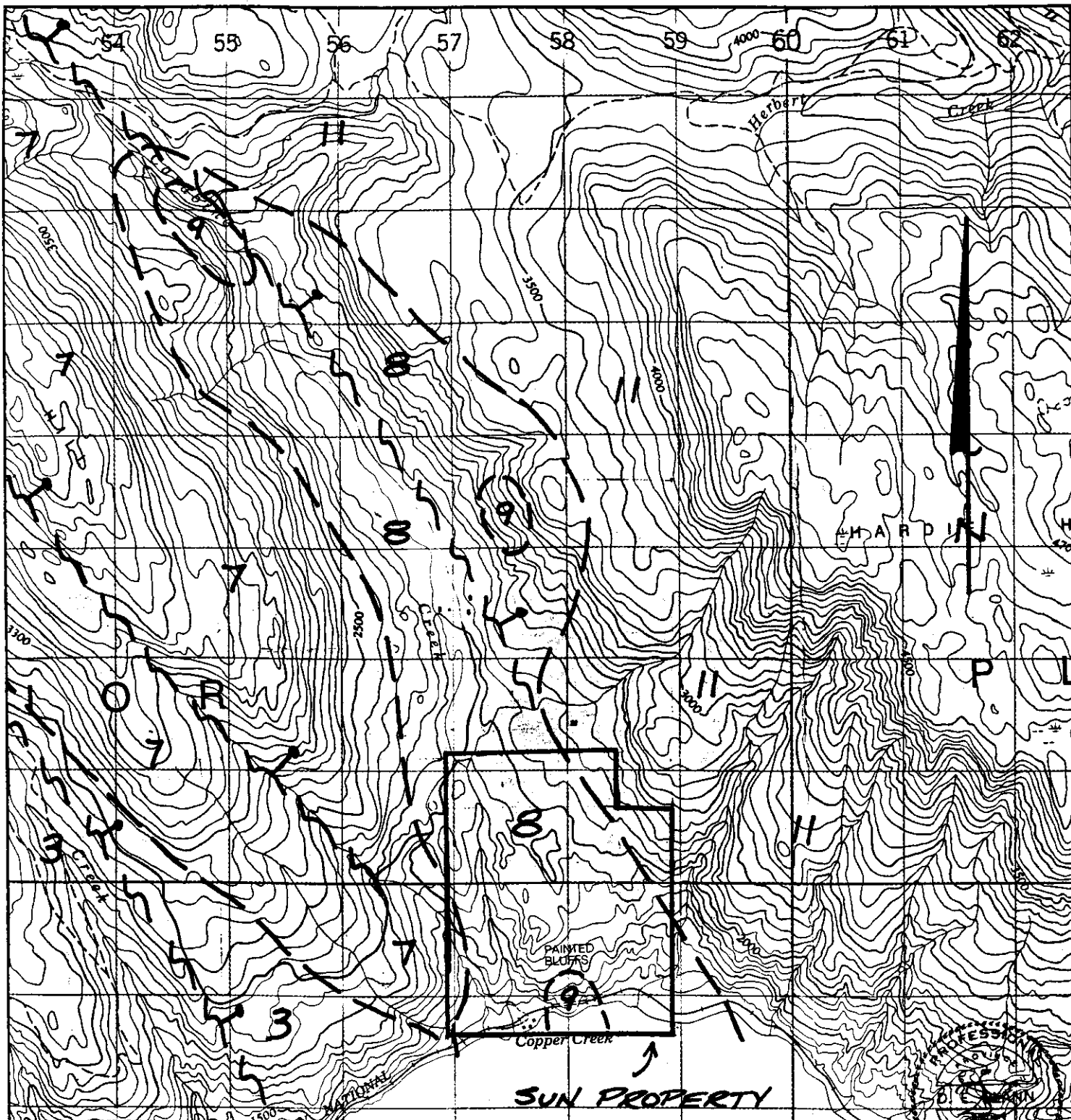
#### Lower Cretaceous-Upper Triassic

Nicola Group  
Andesite, basalt, picrite, serpentine, tuffs, augite porphyry  
conglomerate, sandstone, argillite, limestone

The Afton copper-gold porphyry mine is located 17 kilometres to the east-southeast of the property and an old mercury mine occurs approximately 2 kilometres to the west. Prospects in the area include gold-silver epithermal-style mineralization and numerous mercury showings.

For a more detailed review of the regional geology, works of Cockfield, 1948, or Preto, 1977 can be referred to.





**LEGEND**

**KAMLOOPS GROUP**

- 12 Tranquille Beds: conglomerate, sandstone, tuff, minor coal
- 11 Rhyolite, andesite, basalt, tuffs, agglomerate
- 10 Coldwater Beds: conglomerate, sandstone

**CRETACEOUS OR TERTIARY**

- 9 Copper Creek Intrusions: granite, granodiorite, granite porphyry
- 8 Andesite basalt, picrite, agglomerate, breccia, tuff, minor conglomerate, sandstone
- 7 Conglomerate, sandstone and shale

**UPPER TRIASSIC**

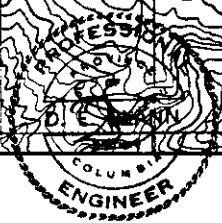
- 3 Nicola Group: greenstone, andesite-basalt, agglomerate, breccia, minor argillite, limestone, conglomerate

~ ~ ~ Thrust fault (ball on downthrown side)



**SUN JOINT VENTURE**  
**SUN PROPERTY**  
**REGIONAL GEOLOGY**

NTS: 921/15    SCALE: 1:50,000    FRAME: 3



### PROPERTY GEOLOGY

The Sun Property is predominantly underlain by porphyritic augite and olivene basalt that are cut by various andesite to basaltic dykes and a granodiorite-quartz-diorite stock. Conglomerate and minor sandstone of the Kamloops Group overlie the volcanic rocks to the west of the property. Detailed petrographic analyses of several rock types was performed by Game, 1983, and is summarized below:

#### porphyritic augite basalt

Reddish or green porphyritic rock composed of augite crystals in a fine grained plagioclase-rich groundmass. The plagioclase has undergone extensive alteration to sericite and saussurite. The phenocrysts are stained reddish with hematite. Calcite and serpentine fills fractures and vugs in the matrix.

#### porphyritic olivene basalt (Picrite porphyry)

Hard, dark green or reddish phenocrysts in a soft, soapy, light green aphanitic groundmass. Composed of sericite-saussurite altered plagioclase, olivene and calcite. The olivene is almost completely altered to serpentine, calcite and hematite.

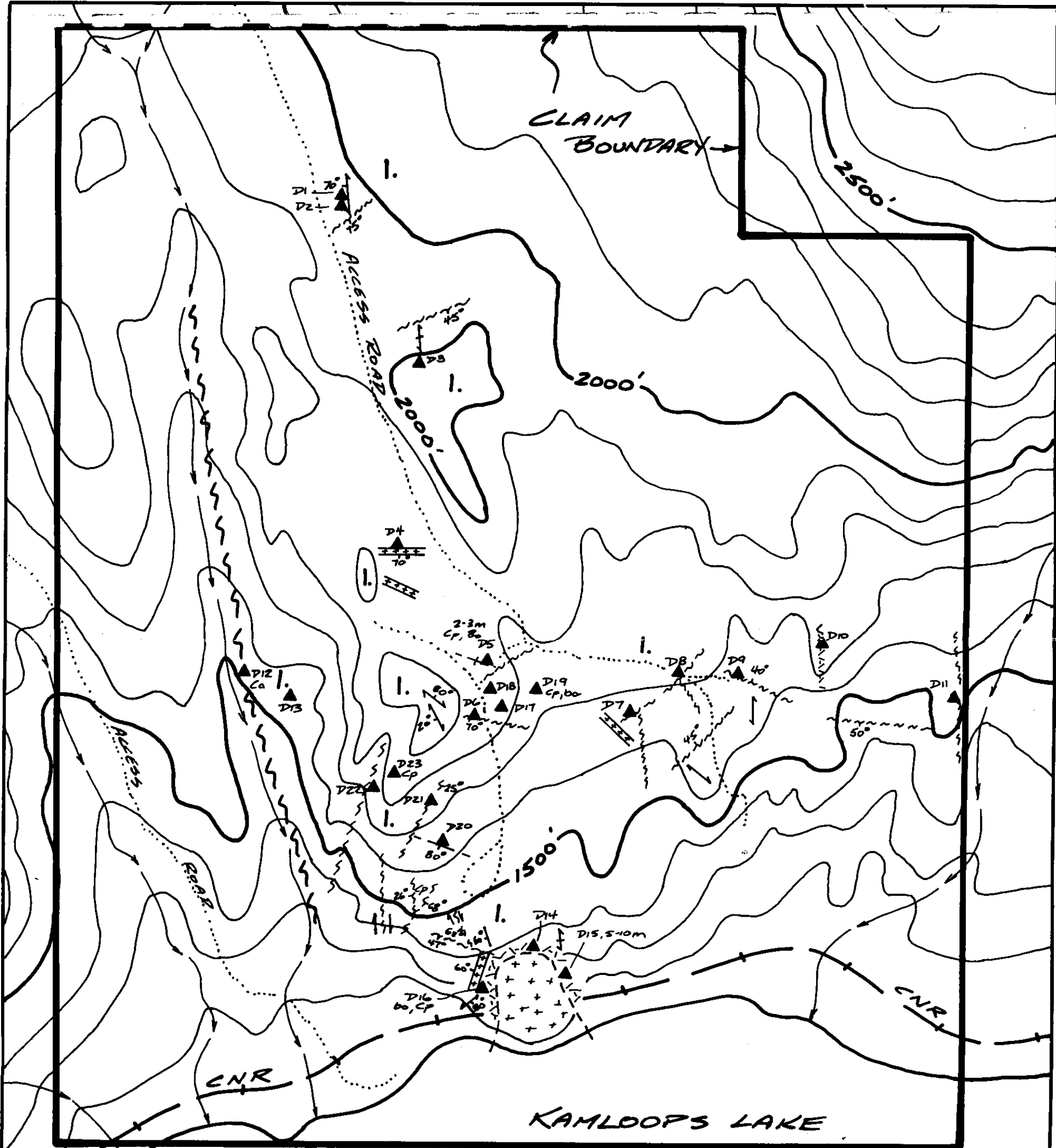
#### Andesite (dykes)

Fine grained plagioclase groundmass with secondary vein minerals of quartz, calcite and chlorite.

#### biotite diorite, quartz-diorite

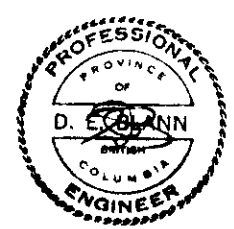
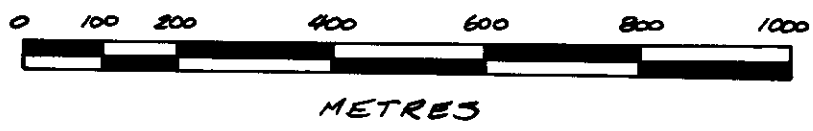
Light grey, phaneritic biotite quartz-diorite. Weakly sericitic euhedral plagioclase crystals, biotite, magnetite and pyrite with crosscutting calcite veins. Biotite exhibits both primary and secondary phases (Game, 1985).

To the west of the quartz diorite intrusion, biotite lamprophyre or diabase, and rhyolite occurs (Figure 3). Sample SRD-16 was taken at this location. Several areas of the property contain highly serpentinous-clay altered volcanic rocks.

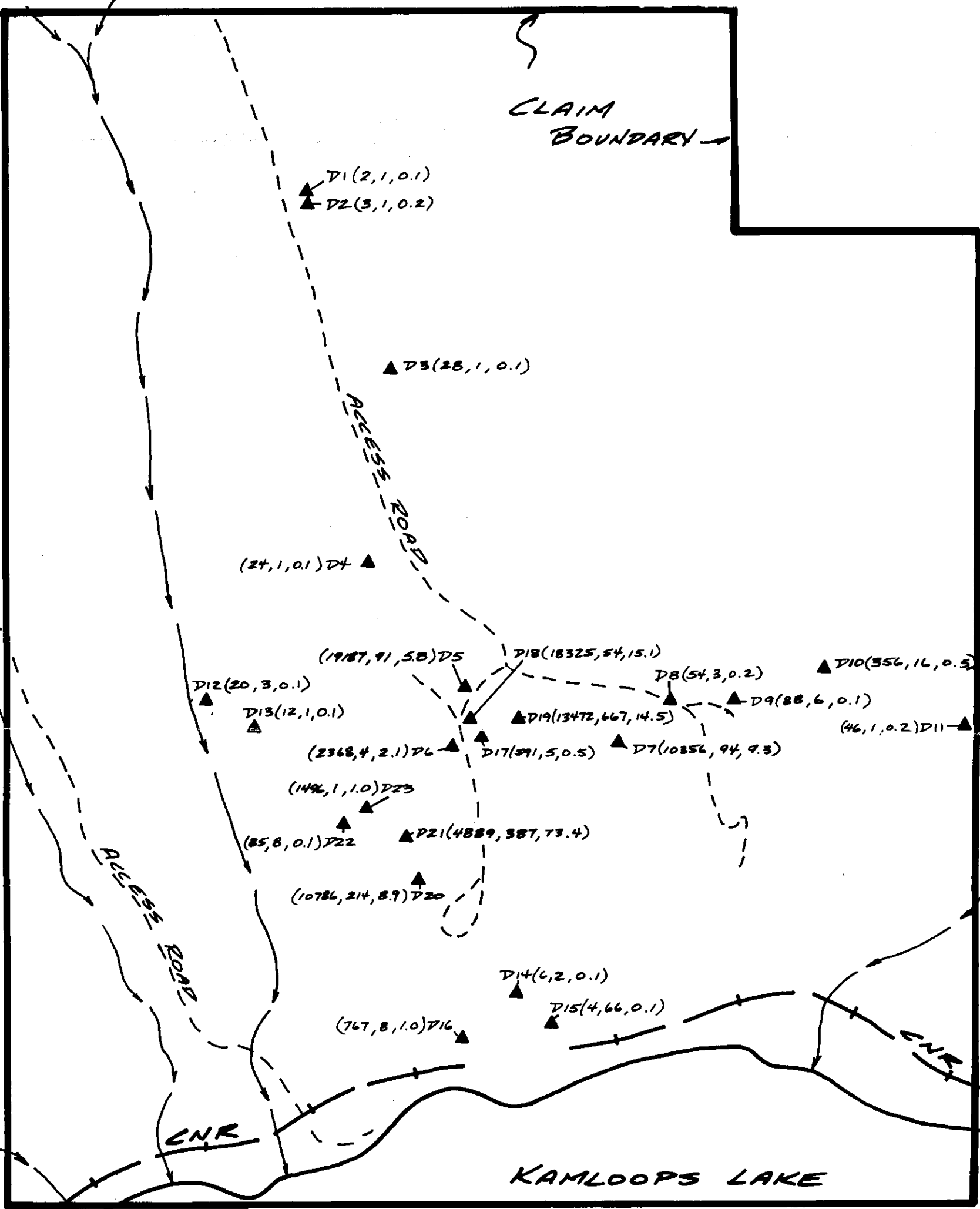


**LEGEND**

- W-W-W-W    QUARTZ-CARBONATE STOCKWORK
- 5°        QUARTZ-CARBONATE VEIN/DIP
- 70°        FRACTURE/DIP
- 60°        FAULT-SHEAR/DIP
- LITHOLOGICAL CONTACT
- 1.         PYROXENE PORPHYRITIC BASALT
- ++++      ANDESITE-BASALT, LAMPORPHYRE, RHYOLITE DYKE
- + + + + +    QUARTZ DIORITE INTRUSION
- ▲         ROCK SAMPLE LOCATION
- CP        CHALCOPYRITE
- BO        BOERNITE



SUN JOINT VENTURE		
SUN PROPERTY PRELIMINARY GEOLOGY PLAN		
NTS: 921/15	SCALE: 1:10,000	FIGURE: 4

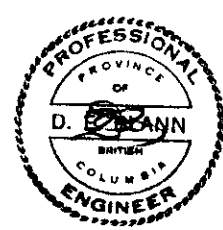


ADDITIONAL GEOCHEMICAL DATA

SAMPLE	Hg(ppb)	Sb(ppm)
D1	260	70
D2	40	55
D3	35	6
D4	5000	2
D5	24,000	75
D6	360	2
D7	36,000	9
D8	350	2
D9	640	2
D10	980	2
D11	6,800	2
D12	75	29
D13	45	2
D14	17,000	17
D15	79,000	16
D16	108,000	346
D17	775	4
D18	1,650	3
D19	605	3
D20	236,000	334
D21	8,100	1,135
D22	145	2
D23	1,500	3

LEGEND

▲ ROCK SAMPLE LOCATION  
 GEOCHEMICAL VALUES EXPRESSED:  
 (Cu-ppm, Au-ppb, Ag-ppm)



SUN JOINT VENTURE

SUN PROPERTY

ROCK SAMPLE LOCATION PLAN

NTS: 925/15    SCALE: 1:10,000    FIGURE: 5

## STRUCTURES

The bedded rocks trend 120-140°/15-50° NE and are cut by structures of various orientations. Strong 270-360°/subvertical shears are cut by 020-050°/40-70° W faults and fractures. Measurements of several north trending/west-dipping faults indicate right-lateral reverse movement with a 15-30° south rake. Shallow east-dipping veins and shears occur at sample D21 (figure 3).

Andesite-basalt dykes trend 086°/70° S to 120°/90°, basalt-lamprophyre dyke trend 020°/60° W and the rhyolite dyke trends 060°/80° E.

## ALTERATION AND MINERALIZATION

The volcanic rocks are moderate to strongly chlorite-epidote-saussurite altered throughout the property, with development of carbonate, serpentinite, and silicified zones. Secondary biotite alteration has converted to chlorite (Game, 1985). Mineralization consisting of chalcopyrite and bornite occurs within shears and fractures trending dominantly north to northwest and are cut by northeast trending fractures. The mineralization occurs as massive veinlets and veins in shears from 0.1 to 2-3 metres in width with disseminations and smears along microfractures and veinlets. The gangue consists of quartz, carbonate, chlorite, epidote-saussurite and clays. Gypsum, anhydrite, and possibly fluorite and mariposite occur with quartz-carbonate veins and chalcopyrite-bornite mineralization.

Rock sample SRD-20 is from a 2-3 metre wide shear containing 10786 ppm copper, 8.9 ppm silver, and 214 ppb gold. Rock sample # SRD-21 is from a gently east-dipping quartz vein up to 10 centimetres in width; this vein returned 4889 ppm copper, 73.4 ppm silver, 387 ppb gold, 6953 ppm lead and 1025 ppm zinc. A 5-10 metre wide zone of quartz stockwork and silicification at the eastern contact of the quartz-diorite intrusion contained 4 ppm copper, 66 ppb gold and 79 ppm mercury (SRD-15). Several shears and veins elsewhere on the property contain elevated silver (Ag), antimony (Sb), mercury (Hg), arsenic (As) and gold (Au) (figure 4).

## DISCUSSION

The Sun Claims are underlain by highly altered and sheared Nicola volcanic rocks that are cut by quartz-diorite, andesite-basalt, diabase-lamprophyre and rhyolite. A major shear system trends through the property in a northerly direction and mineralized shears and veins trend west, northwest and northeast. The complex

nature of the faulting and extensive alteration suggests a highly active tectonic and hydrothermal environment.

Mineralization consists dominantly of hematite, pyrite, chalcopyrite and bornite with elevated values of gold, silver, mercury and antimony; sphalerite and galena occur locally.

Dominant west-northwest trending copper mineralization appears to be associated with a particular phase of structural deformation. Silicification, lead-zinc and gold-mercury mineralization appear to have different trends.

Sample SRD-15 contained 66 ppb gold with 79,000 ppb mercury and only traces of copper from a 5-10 metre wide silicified quartz stockwork and breccia zone at the contact with a quartz-diorite intrusion; this sample along with other vein mineralogy and complex structural relationships suggest several periods of mineralization on the property.

### CONCLUSIONS

The Sun Property contains chlorite-epidote-carbonate altered Nicola Group augite-olivine porphyritic basaltic volcanic rocks. These rocks are cut by fine to medium grained andesite-basaltic, lamprophyre-d diabase and rhyolite dykes, and a quartz-diorite stock. Fracture controlled bornite, chalcopyrite and pyrite mineralization with associated gold and silver values occurs within the volcanic rocks. Erratic occurrences of copper to over 1% with 1-200 ppb gold appear in shears and veins from 0.1 metres to over 1 metre in width. Elevated to anomalous mercury and antimony values occur with copper mineralization and also within areas of intense silicification, quartz stockwork and breccia.

The Sun property appears to contains extensive hydrothermal alteration and shearing developed within a highly active tectonic environment. Continuous veins and shears of copper mineralization may be dissected by strong regional structures, however the presence of elevated quantities of mercury, antimony, and anomalous gold and silver within proximity to the intrusions indicates potential for more recent epithermal-style mineralization.

### RECOMMENDATIONS

Further work on the property should consist of mapping, sampling, followed by induced polarization, magnetometer and EM geophysical surveys, and soil sampling in areas that have not been previously covered. Economic targets to be evaluated are fracture-controlled copper deposits, and epithermal gold-silver quartz veins, breccia and stockwork.

STATEMENT OF COSTSLABOUR

D. Blann, P.Eng., 4 days @ \$300.00/day	\$1200.00
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A. Molnar, prospector, 4 days @ \$150/day	\$600.00
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Transportation-truck: 875 kilometres @\$0.45/km	\$393.75
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Accommodation: 8 mandays @ \$40.00/day	\$320.00
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Assays: 23 * \$14.00/ea.	\$322.00
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Supplies:	\$ 20.00
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Report/ drafting	<u>\$200.00</u>
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Total:	\$3,055.75
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Work applied:	\$1,900.00
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## REFERENCES

Cockfield, W.E., 1948. Geology and Mineralogy of the Nicola Map-Area, British Columbia; Geological Survey of Canada Memoir 249.

Game, R.E., 1984, Economic Geology and Mineralogy of the Bornite Property, Savona, B.C., Unpublished B.A.Sc. thesis.

Preto, V.A., 1967. Nicola Volcanics, Plutons, and Mineral Deposits; Fieldtrip No. 5 Guidebook, GAC-SEG Annual Meeting, 1977.

Game, R.E., 1985, Assessment Report on the Bornite Claims and Tenderfoot Crown Grant. Assessment Reports # 11,354, #15,071.



STATEMENT OF QUALIFICATIONS

I, David E. Blann, of 38233 View Place, Squamish, in the Province of British Columbia, DO HEREBY CERTIFY:

- 1.) That I am a member of the Association of Professional Engineers and Geoscientists of the Province of British Columbia;
- 2.) That I am a graduate of the British Columbia Institute of Technology in Mining Engineering Technology;
- 3.) That I am a graduate of the Montana College of Mineral Science and Technology, Butte, Montana, in geological engineering (1986);
- 4.) That the information, conclusions and recommendations in this report are based on personal work on the property during 1992, and a review of pertinent literature.
- 5.) That I have an interest in the subject property.

Dated at Vancouver, British Columbia, this 8 day

of November, 1992.



\_\_\_\_\_  
David E. Blann, P.Eng.



APPENDIX A

ROCK SAMPLE DESCRIPTIONS

AND

ASSAY CERTIFICATE

# ROCK SAMPLE SHEET

1 of 2

Sampler D. BLANN  
Date FEB 28/92

Property SUN 1-9

NTS \_\_\_\_\_

SAMPLE NO.	Sample Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS				
		Rock Type	Alteration	Mineralization		PPM Cu	PPb Au	PPM Ag	PPb Hg	PPS S
SRD-1	2CM	P. BASALT	CHL-EP (WK)	QTZ-CARB ± FLUORITE	3 STAGE VEIN 360°/70°W X-CUT BY 040°/75°E	2	1	0.1	260	70
SRD-2	2CM	P. BASALT	CHL-EP (WK)	QTZ-CARB ± FLUORITE	AS ABOVE	3	1	0.2	40	5
SRD-3	10CM	P. BASALT	CHL-EP WK-MOD.	QTZ-CARB HEM, FL, MARIP.	MOD. FRACTURED. 360°/90° CUT BY MINOR 060°/45°E	28	1	0.1	35	6
SRD-4	2M	ANDIESITE	CHL-Ca + Sil.	TRACE Ca, HEM.	AND. DYKE 266°/70°S WEAK CARB VEINLETS	24	1	0.1	500	2
SRD-5	0.7M	P. BASALT	CHL-EP - SAUSS.	QTZ-CARB + CP, DO, HEM, Py	SHEAR 300°/90° CUT BY 350°/90° & 060°/90° INTENSE ALTERATION; ADIT ZONE	1987	91	5.8	24,000	7
SRD-6	GRAB	P. BASALT	INTENSE CHL-EP-SAUSS.	GYPSUM-ANHYDRITE CARBONATE, HEM. DO, Py	PIT DUMP GRAB; DEEP OVERBURDEN SHEARED, HIGHLY ALTERED	2368	4	2.1	360	2
SRD-7	0.4M	P. BASALT	INTENSE CHL-EP-SAUSS. (ORALITE?)	CARB-SULPHATE HEM, MAL. IAZ. DO, CP	SHEAR 070° CUT BY 360°; E SIDE OF MASON SHEAR ZONE.	10316	94	9.3	36,000	4
SRD-8	1.0M	P. BASALT	"	QTZ-CARB HEM.	TOP OF GULLY, E. SIDE OF SHEAR. QTZ-CARB VEINS/VEINLETS 1-3CM 350° CUT BY 050°	54	3	0.2	350	2
SRD-9	0.4M	P. BASALT	"	QTZ-CARB HEM	SHEAR 320°/40°N CUT BY 360° SE CORNER OF PROPERTY	88	6	0.1	640	2
SRD-10	0.5M	P. BASALT	Sil, CHL-EP	QTZ VEINS W MARIPOSITE, MAL.	STOCKWORK ZONE 360° N50M E. OF D9	356	16	0.5	980	2
SRD-11	GRAB	?	INTENSE SAUSS-CLAY	QTZ-CARB MARIP.	GREEN MUSH. TALLOSE-CARBONATE FAULT ZONE	46	1	0.2	680	2
SRD-12	GRAB	P. BASALT	INTENSE MARIP-SAUSS.	CARB VEINLETS	EAST SIDE OF CARABINE CR. FAULT ZONE	20	3	0.1	75	2
SRD-13	FLOAT	P. BASALT	EP-CARB	HEM, CARB	PINK CARBONATE VEINLETS	12	1	0.1	45	2
SRD-14	2.0M	P. BASALT	Sil, SAUSS.	QTZ W MARIPOSITE HEM	TOP CONTACT W ALTD. QTZ-DIORITE QTZ VEIN STOCKWORK	6	2	0.1	11,000	1
SRD-15	5.0M	P. BASALT Q-D.	STRONG Sil	QTZ-CARB-FL? MARIP.	EAST CONTACT W Q-D INTRUSION 5-10M WIDE 350°/90° TRENDS.	4	66	0.1	19,000	1





GEOCHEMICAL ANALYSIS CERTIFICATE



Andrew Molnar PROJECT S-92 File # 92-0430

108 - 977 W. 16th Ave, Vancouver BC V5Z 1T3

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb	Hg ppb
SRD-1	1	2	8	37	.1	738	55	1213	3.90	6	5	ND	3	468	.2	70	2	36	6.92	.021	2	127	17.03	280	.01	18	.20	.01	.08	4	1	260
SRD-2	1	3	17	49	.2	566	46	1353	3.69	4	5	ND	7	1921	.4	55	2	49	11.20	.023	2	34	10.17	1587	.01	12	.16	.02	.09	3	1	40
SRD-3	1	28	2	46	.1	515	49	1406	3.06	3	5	ND	4	464	.3	6	2	67	8.32	.022	2	99	9.18	732	.01	11	.13	.01	.07	1	2	35
SRD-4	1	24	3	62	.1	54	33	537	6.80	3	5	ND	1	110	.2	2	2	24	1.91	.020	2	12	.99	16	.01	25	.40	.02	.16	1	1	5000
SRD-5	1	19187	11	102	5.8	46	20	517	5.91	538	5	ND	1	74	1.3	75	2	126	1.99	.113	4	22	1.54	64	.01	8	1.13	.06	.07	1	91	24000
SRD-6	1	2368	2	39	2.1	174	23	1200	2.55	6	5	ND	4	286	.2	2	2	79	7.86	.040	3	279	3.10	1276	.01	2	1.38	.02	.01	1	4	360
SRD-7	1	10356	8	100	9.3	242	47	909	6.82	25	5	ND	1	76	.6	49	12	162	3.23	.076	2	244	4.78	26	.03	11	2.59	.02	.07	1	94	36000
SRD-8	1	54	5	38	.2	328	28	1629	4.51	4	5	ND	6	1134	.2	2	2	67	11.14	.049	3	236	5.32	280	.02	12	.40	.01	.09	1	3	350
SRD-9	1	88	3	28	.1	423	40	1036	3.59	9	5	ND	4	403	.2	2	2	47	8.01	.062	2	240	5.89	543	.01	21	.43	.01	.27	1	6	640
SRD-10	2	356	3	19	.5	117	15	767	2.88	3	5	ND	1	122	.2	2	2	64	3.22	.036	2	115	2.35	565	.05	5	.54	.03	.04	1	16	980
SRD-11	1	46	4	44	.2	603	48	1140	3.96	8	5	ND	1	336	.2	2	2	64	4.38	.052	3	136	7.40	1007	.07	23	1.23	.21	.28	1	1	6800
SRD-12	1	20	2	27	.1	751	55	1168	5.02	4	5	ND	1	234	.2	29	2	43	3.11	.026	2	281	15.63	511	.01	17	.37	.03	.23	1	3	75
SRD-13	1	12	2	23	.1	93	17	403	2.44	2	5	ND	1	700	.4	2	2	40	3.96	.047	2	54	2.52	1637	.15	3	1.08	.07	.01	1	1	45
SRD-14	1	6	10	166	.1	531	42	1545	4.65	2	5	ND	3	250	.7	17	2	38	6.99	.038	2	118	7.84	317	.01	6	.25	.01	.10	1	2	17000
SRD-15	1	4	39	137	.1	382	31	1681	3.57	2	5	ND	5	544	.7	16	2	34	11.88	.020	2	85	6.17	178	.01	5	.14	.01	.07	1	66	79000
SRD-16	34	767	5	42	1.0	20	3	163	.68	80	5	ND	2	211	.3	346	2	3	1.66	.002	4	9	.95	297	.01	15	.16	.04	.12	2	8	105000
SRD-17	1	591	5	32	.5	181	23	1753	3.59	4	5	ND	6	632	.5	4	2	84	13.95	.047	4	239	2.67	728	.12	2	1.08	.02	.03	1	5	775
SRD-18	11	18325	27	62	15.1	106	20	1626	3.51	2	5	ND	4	330	2.0	3	13	89	10.95	.026	4	134	2.46	204	.04	2	1.22	.02	.03	1	54	1650
SRD-19	408	13472	30	58	14.5	131	28	1860	3.35	5	5	ND	5	385	1.9	3	7	88	10.47	.003	4	162	2.96	152	.01	2	1.97	.01	.02	1	667	605
SRD-20	12	10786	9	107	8.9	218	34	1358	4.91	110	5	ND	3	212	1.2	334	18	98	6.90	.045	3	210	4.05	345	.01	8	1.20	.02	.13	1	214	236000
RE SRD-17	1	624	6	37	.6	200	25	1873	3.93	5	5	ND	6	660	.8	5	2	92	14.58	.049	3	256	2.89	771	.13	2	1.19	.02	.04	1	7	705
SRD-21	132	4889	6953	1025	73.4	91	11	616	2.20	184	5	ND	1	186	36.0	1135	39	56	2.84	.017	2	56	.80	98	.01	10	.31	.01	.09	3	387	8100
SRD-22	1	85	11	13	.1	325	24	743	2.04	6	5	ND	1	189	.2	2	2	24	2.33	.031	2	124	4.62	790	.01	2	1.29	.22	.17	1	8	145
SRD-23	3	1496	22	62	1.0	38	23	954	6.12	7	5	ND	1	167	.2	3	2	149	3.22	.126	10	54	2.47	331	.03	5	1.65	.07	.09	1	1	1500
STANDARD C/AU-R	20	58	38	134	6.7	74	34	1050	4.00	44	17	7	40	53	17.2	14	19	58	.49	.090	37	55	.89	179	.09	37	1.90	.06	.16	12	490	1500

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM. ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB - SAMPLE TYPE: ROCK AU\*\* ANALYSIS BY FA/ICP FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA. Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: MAR 2 1992 DATE REPORT MAILED: *March 4/92* SIGNED BY: *Chung* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS