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LOG NO: <i>March 5/91</i> RD.
ACTION:
FILE NO:

**Barrington River Project
Report on
Geological and Geochemical Programs
on the Hour 1 Claim
Liard Mining Division**

NTS 104 F/16

Latitude: 57°51' Longitude: 132°13'W

Owner/Operator:

Candela Resources Ltd.
c/o Prime Explorations
11th Floor, Box 10
808 West Hastings Street
Vancouver, B.C.
V6C 2X6

Author

**SUB-RECORDER
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R.H.
181
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VANCOUVER, B.C.

David St. Clair Dunn, F.G.A.C.

HI-TEC RESOURCE MANAGEMENT LTD.
#1500 - 609 Granville St.
Vancouver, B.C.
V7Y 1G5

October 31, 1990

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

21,018

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Maps

MAP 1:	Geology and Sample Locations	In Pocket
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1.0 INTRODUCTION

A reconnaissance geological/geochemical program was carried out on the Hour 1 claim on the 7th of July, 1990 by a two person crew. Two pan concentrate samples, two silt samples and seven rock samples were taken. The purpose of the program was to evaluate the potential of the claim to host gold mineralization.

The Hour 1 claim is located in northwestern British Columbia on the headwaters of the Barrington River, a tributary of the Stikine River. (See Fig 1+2) Access was achieved by helicopter from Telegraph Creek.

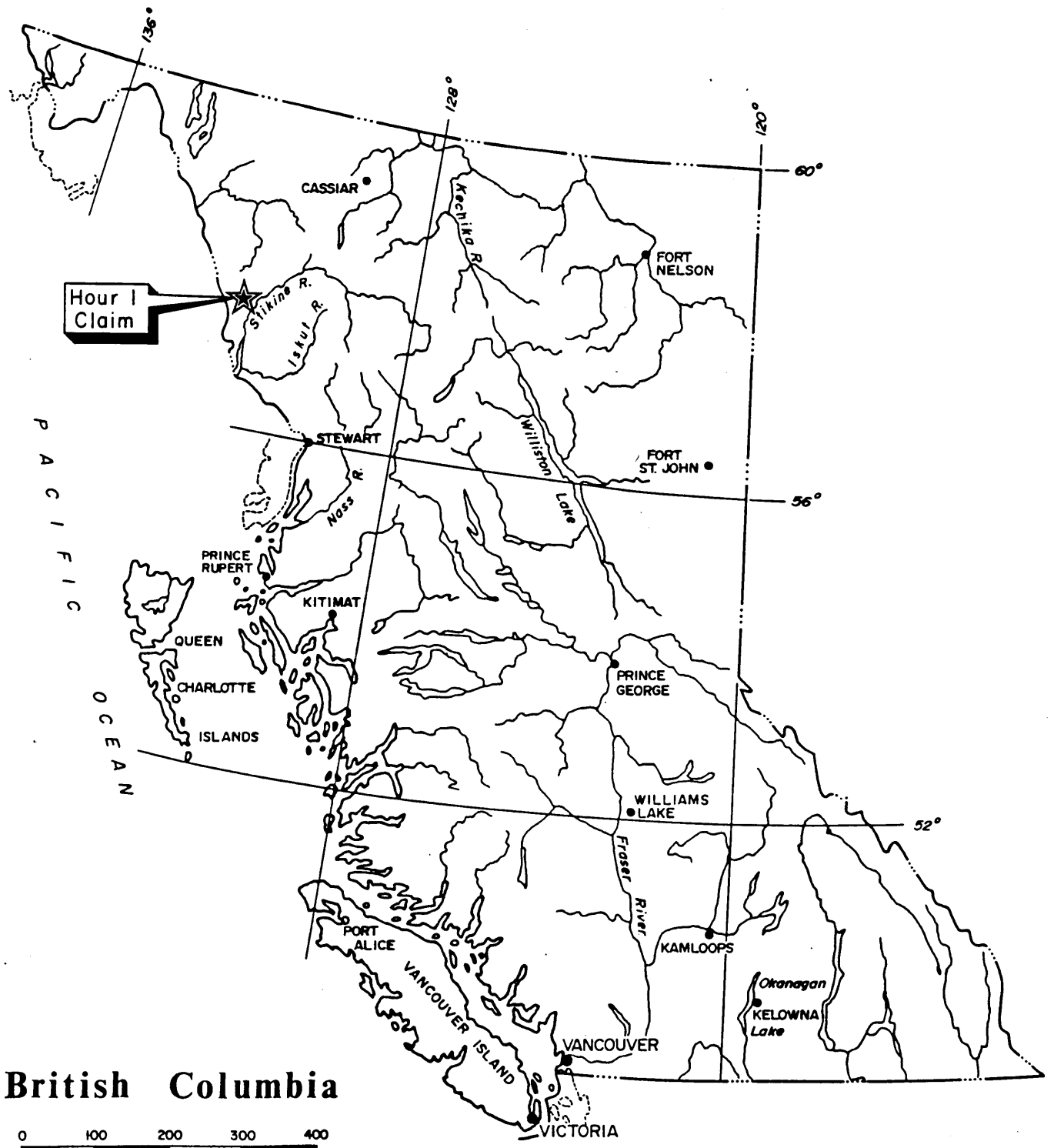
The claim is owned by Candela Resources Ltd. which paid for the work being reported on. The Hour 1 claim was staked in 1989 with a record number of 5963 (3). Upon acceptance of this report the expiry date will be March 26, 1992.

There is no record of past work on the property, but it is 1.0 km south-west of a weak molybdenum porphyry system listed in B.C. Minfile as the Sam and Ang showing 104 F/16 #006.

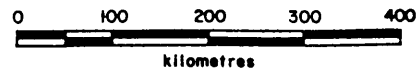
Topography on the claim is gentle on the ridge crests but extreme as the Barrington river is approached. Elevations range from 850 m on the Barrington River to 1600 m on the western boundary of the claims.

Treeline is at approximately 1300 m with lower slopes covered by mature spruce.

Climate is mild with heavy precipitation, which accumulates as up to 4.0 meters of snow in the winter.



British Columbia



CANDELA RESOURCES LTD.			
HOUR 1 CLAIM			
LIARD M.D., B.C.			
<i>General Location Map</i>			
	SCALE:	N.T.S.:	FIGURE No:
	as shown	104F/16E	1
	DWN. BY:	DATE:	
		Nov. 1990	
	CHKD. BY:	PROJECT No:	FILE No:
		90BC015	

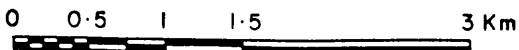
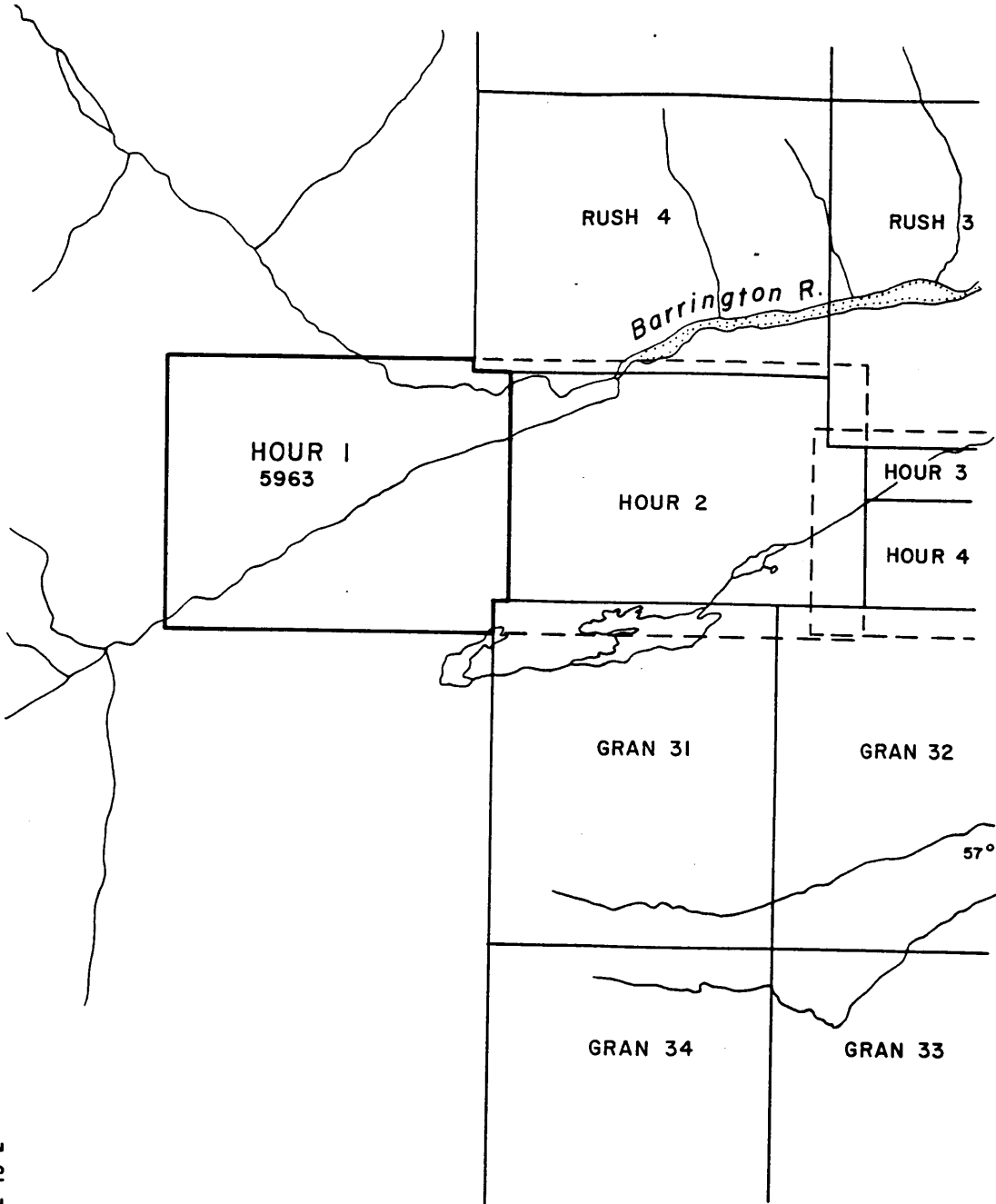


132° 15' E

132° 15' E

57° 50' N.

57° 50'



CANDELA RESOURCES LTD.

HOUR 1 CLAIM

LIARD M.D., B.C.

Claim Location Map



HI-TEC
RESOURCE MANAGEMENT LTD

SCALE:
1: 50,000

DWN. BY:

CHKD. BY:

N.T.S.:
104F/16E

DATE:
NOV. 1990

PROJECT No:
90BC015

FIGURE No:
2

FILE No:

Mineral exploration can be carried out most effectively from late May to mid - October.

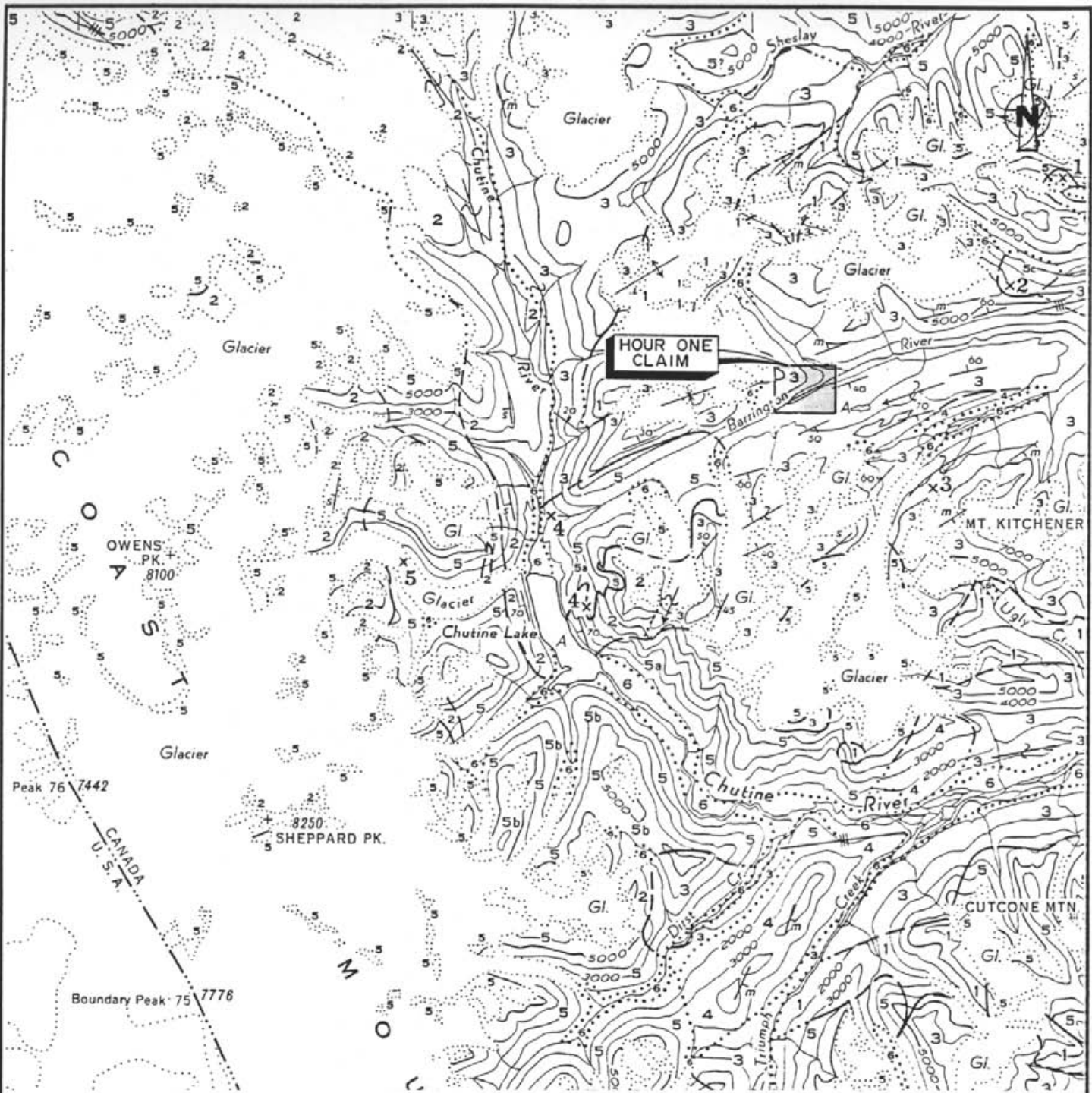
2.0 GEOLOGY

2.1 Regional Geology


The Barrington River Project area is located on the eastern flank of the main belt of the Coast Plutonic Complex and on the western margin of the Intermontane Belt within the Stikine arch. The Stikine Arch consists of Permian to Middle Triassic oceanic sediments unconformably overlain by Upper Triassic Stuhini Group island arc volcanics and sediments. These volcanics and sediments have been intruded by syenitic stocks and by quartz diorite and grandiorite plutons of the Coast Plutonic complex (Souther, 1971). Souther's (1958) mapping of map sheet 104F, where the Hour 1 claim is located, show the Coast Range Intrusions as being post Lower Triassic age.

2.2 Property Geology

The crest of the ridge covered by the Hour 1 claim is underlain by a sequence of Upper Triassic argillite, siltstone, chert, and dacite tuff. These rocks strike northeast and dip moderately northwest. Souther's 1958 mapping show the claim covers the southern flank of a east northeast trending syncline. Lower in the stratigraphic section, to the south of the ridge crest, andesite tuff is the predominant rock type, with the other rocks being minor components. Quartz sweat veins are common, sub-parallel to bedding. The dominant topographic feature is a south east facing scarp, with crosses the center of the claim block. This scarp



See following page for legend.

CANDELA RESOURCES LTD.			
HOUR 1 CLAIM			
<i>Regional Geology</i>			
 HR-TEC RESOURCE MANAGEMENT LTD.	SCALE: 1: 250,000	N.T.S.: 104F/16E	FIGURE No: 3
	DWN. BY:	DATE: NOV. 1990	
	CHRD. BY:	PROJECT No: 90BC015	FILE No:



LEGEND

CENOZOIC	}	QUATERNARY	
		PLEISTOCENE AND RECENT	
		6	Fluvialite gravel, sand, and silt; glacial outwash; till and alpine moraine
MESOZOIC	}	TRIASSIC (?) AND LATER	
		POST LOWER TRIASSIC	
		5	COAST INTRUSIONS 5, undivided; 5a, hornblende-biotite granodiorite, biotite-hornblende quartz diorite; minor leucogranite: 5b, biotite quartz monzonite; 5c, light grey leucocratic syenite
		TRIASSIC	
		3 4 3	MIDDLE (?) AND UPPER TRIASSIC 3. Phyllite; interlaminated dark grey argillite, light grey siltstone, and fine-grained greywacke; light grey impure limestone and calcareous siltstone; 4. Green and greenish grey andesite, greenstone, and pillow basalt (intercalated with 3)
		2	TRIASSIC AND (?) EARLIER Quartz-albite-amphibole gneiss; amphibolite, quartz-biotite schist, garnetiferous schist, augen gneiss, and tremolite marble
PALAEOZOIC	}	CARBONIFEROUS (?) AND PERMIAN	
		1	Thick-bedded white and light grey limestone, calcareous shale, argillite, chert, and cherty siltstone

Geological boundary (defined, approximate, assumed).....	
Bedding (inclined, dip: m, moderate; s, steep).....	
Anticline.....	
Syncline.....	
Trend of complexly folded beds (direction of plunge known, unknown).....	
Lineament (from air photographs).....	
Fossil locality.....	
Mineral occurrence.....	

INDEX TO MINERAL OCCURRENCES

- 1 Small high-grade pockets of molybdenite near borders of stock
- 2 Property presently held by American Metals-Climax Co.; pyrite-molybdenite-bearing quartz veinlets in fractured syenite
- 3 Pyrite, chalcopyrite, and bornite (?) disseminated in sheared phyllite
- 4 Veins and disseminated rosettes of coarse molybdenite in fine-grained leucogranite (5a)
- 5 Float from medial moraine on glacier; fine-grained leucogranite with veins and disseminated rosettes of coarse molybdenite

Geology by J. G. Souther, 1958

Trail.....	
Suitable landing site for float-equipped aircraft.....	A
International boundary.....	
Glacier.....	
Contours (interval 1000 feet).....	
Height in feet above mean sea-level.....	7776

forms the north bank of the Barrington River. It appears to be the manifestation of a regional scale conjugate fault, trending orthogonal to the dominant northwest structural trend. As the top of the scarp is approached, quartz veining increases. Budget constraints did not allow for examination of the base of the scarp.

Seven rock samples were taken of the quartz veins and pyrite bearing country rock. One sample, taken of rusty, foliated, andesite tuff was weakly anomalous in gold and copper (60 ppb and 178 ppm respectively).

3.0 GEOCHEMISTRY

Two pan concentrate samples and two silt samples were taken from streams draining the northeast quadrant of the property. No anomalous values were returned. Sampling methodology is described in Appendix B.

4.0 CONCLUSIONS

Although no values of economic interest were returned from samples taken from the property, the regional scale of the northeast trending structure crossing the property combined with the numerous quartz veins observed and the proximity to a molybdenum porphyry system indicate further work is warranted. The reconnaissance nature of the work covered in this report did not adequately test the property.

5.0 RECOMMENDATIONS

Four person days should be spent prospecting and mapping the base of the scarps on either side of the Barrington River where they cross the Hour 1 claim. The emphasis of this work should be on sampling and mapping any significant quartz veins encountered. Character samples for analysis should also be taken of any other silicified or mineralized rock.

This work should cost approximately \$5000, if carried out in conjunction with other work in the area.

Respectfully Submitted,


David St. Clair Dunn, F.G.A.C.

6.0 Statement of Costs

Salaries:

D. Dunn, Geologist 3 days at \$400/day 16/7/90, 24, 31/10/90	\$1,200.00
A. Kriberg Prospector 1 day at \$250/day 16/7/90	250.00

Project Expenses:

Domicile: 2 man days @ \$75/day	150.00
---------------------------------	--------

Analytical costs:

7 rock samples at \$18.75/sample	103.25
2 pan concentrate samples @ \$14.00/sample	28.00
2 silt samples @ \$14.75/sample	29.50

Helicopter Support

1.5 hours at \$685.00/hour	1,027.50
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Accounting, Communication, Freight	200.00
------------------------------------	--------

Field Supplies	50.00
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Report Preparation, drafting and compilation	<u>300.00</u>
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TOTAL COSTS \$3,338.25

D. Dunn

7.0 BIBLIOGRAPHY

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- Roberts, W.J. and C.L. Smith (1968): Geological Report on LLC Mineral Claims; British Columbia Ministry of Energy, Mines and Petroleum Resources assessment report #1,893.
- Seraphim, R.H. (1968): Report on the LLC claims: Appendix IV in British Columbia Ministry of Energy, Mines and Petroleum Resources assessment report #1,893.

Souther, J.G. (1959): Chutine Map Area, Cassiar District, British Columbia; Geological Survey of Canada, Preliminary Map 7-1959.

Souther, J.G. (1971): Telegraph Creek Map Area, British Columbia; Geological Survey of Canada Paper 71- 44.

8.0 STATEMENT OF QUALIFICATIONS

I, David St. Clair Dunn, with a business address of #1500-609 Granville Street, Vancouver, B.C. to hereby certify that:

1. I am a consulting geologist registered with the Geological Association of Canada (Fellow #4943).
2. I am an Affiliate member of the Association of Exploration Geochemists.
3. I hold a B.Sc. degree (1980) in geology from the University of British Columbia.
4. I have been practising my profession as a prospector and geologist for over 20 years.
5. I personally supervised the work on Candela Resources Ltd. Hour 1 claim.
6. I do not hold any equity interest in the Hour 1 claim or Candela Resources Ltd.
7. I consent to the use of this report in a Prospectus or statement of Material Facts for the purpose of a private or public financing.



APPENDIX A
Sample Results

ECO-TECH LABORATORIES LTD.

PRIME EXPLORATIONS - ETK 90-363

10041 EAST TRANS CANADA HWY.
 KAMLOOPS, B.C. V2C 2J3
 PHONE - 604-573-5700
 FAX - 604-573-4557

10TH FLOOR, 808 W. HASTINGS STREET
 VANCOUVER, B.C.
 V6C 2X4

JULY 31, 1990

ATTENTION: JIM FOSTER

VALUES IN PPM UNLESS OTHERWISE REPORTED

PROJECT: 90-BC-015 BARRINGTON RIVER
 2 SILT SAMPLES RECEIVED JULY 25, 1990

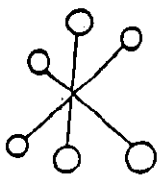
ET#	DESCRIPTION	AU(ppb)	AG AL(%)	AS	B	BA	BI CA(%)	CO	CO	CR	CU FE(%)	K(%)	LA MG(%)	MN	MO NA(%)	NI	P	PB	SB	SN	SR TI(%)	U	V	W	Y	ZN
363 - 1	93074	10	1.4 1.44	30	(2	85	5 .73	(1	23	28	112 3.72	.08	(10 .92	755	5 (1.01	26	960	12	(5 (20	26	.05	10	66	110	10	92
363 - 2	93076	(5 #	1.0 2.03	35	(2	75	5 1.07	(1	28	33	190 4.90	.05	(10 1.29	989	3 (1.01	31	830	10	(5 (20	48	.03	10	104	110	12	131

NOTE: (= LESS THAN
 # = -42 MESH

CC: V. KURAN
 FAX: JIM FOSTER - PRIME

SC90/015

Jutta Jealous
 ECO-TECH LABORATORIES LTD.
 JUTTA JEALOUSE
 B.C. CERTIFIED ASSAYER



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

AUGUST 8, 1990

CERTIFICATE OF ANALYSIS ETK 90-364

=====

PRIME EXPLORATIONS LTD.
P.O. BOX 10, 10TH FLOOR
808 WEST HASTINGS STREET
VANCOUVER, B.C.
V6C 2X4

ATTENTION: JIM FOSTER

SAMPLE IDENTIFICATION: 2 HEAVY MINERAL samples received JULY 25, 1990
PROJECT: 90-BC-015 BARRINGTON RIVER
SHIPMENT NO.: 6

ET#	Description	AU (ppb)	AG (ppm)	CU (ppm)	PB (ppm)	ZN (ppm)	AS (ppm)	MO (ppm)
364 - 1	93073	45	1.4	52	16	90	17	24
364 - 2	93075	<5	.1	106	15	127	18	12

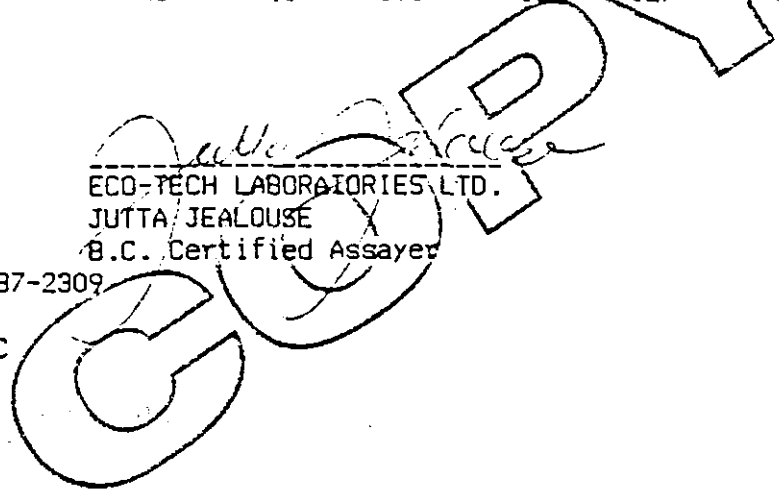
NOTE: < = LESS THAN

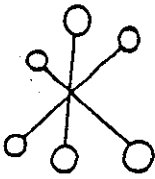
Jutta Jealouse
ECO-TECH LABORATORIES LTD.
JUTTA JEALOUSE
B.C. Certified Assayer

FAX: J. FOSTER 1-687-2309

cc: V. KURAN HI-TEC

SC90/HIGH TEC-015





ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

AUGUST 3, 1990

CERTIFICATE OF ANALYSIS ETK 90-365

PRIME EXPLORATIONS LTD.
P.O. BOX 10, 10TH FLOOR
808 WEST HASTINGS STREET
VANCOUVER, B.C.
V6C 2X4

ATTENTION: JIM FOSTER

SAMPLE IDENTIFICATION: 14 ROCK samples received JULY 25, 1990
PROJECT: 90-BC-015 BARRINGTON RIVER
SHIPMENT NO.: 6

ET#	Description	AU (ppb)	AG (ppm)	CU (ppm)	PB (ppm)	ZN (ppm)	AS (ppm)	MO (ppm)
365 - 1	93077	<5	.2	39	11	51	12	13
365 - 2	93078	60	.1	178	17	97	3	7
365 - 3	93079	<5	.1	16	7	18	1	10
365 - 4	93080	<5	.1	18	4	2	2	28
365 - 5	93081	<5	.1	99	11	45	1	6
365 - 6	93082	<5	.1	24	3	16	1	40
365 - 7	93083	<5	1.5	294	26	315	3	50
365 - 8	104257	<5	.1	102	9	45	1	9
365 - 9	104258	<5	.1	138	12	11	4	484
365 - 10	104449	<5	.4	201	18	123	7	7
365 - 11	104450	<5	1.7	98	62	563	2	7
365 - 12	93101	<5	.3	38	12	7	5	17
365 - 13	93102	<5	.4	71	35	147	2	10
365 - 14	93103	50	1.1	78	242	73	65	17

ECO-TECH LABORATORIES LTD.

JUTTA JEALOUSE

B.C. Certified Assayer

FAX: J. FOSTER 1-687-2309

cc: V. KURAN HI-TEC

SC90/HIGH TEC-015

APPENDIX B

Sampling Methodology

SAMPLING METHODOLOGY

A. STREAM SEDIMENTS

Silt Samples

Approximately 0.5 kg of silt was collected from the active stream channel, placed in a standard gusseted kraft bag and shipped to Eco-Tech Laboratories in Kamloops. These samples were then dried and sieved to -80 mesh. A ten gram split of the sample was analyzed for gold by fire assay with atomic absorption finish. A one gram split of the remainder of the sample was analyzed for 30 elements using Aqua Regia extraction and ICP.

Heavy Mineral Samples

A sample of between 5 gm and 30 gm was panned in the field from two pans of -1.4 cm gravel and one pan of moss. The panned material was placed in 6 mil plastic bags and shipped to Eco-Tech Laboratories Ltd. in Kamloops. A one gram split of this material was analyzed for silver, lead, copper and zinc using wet extraction and atomic absorption. The remainder of the sample was analyzed for gold using fire assay and atomic absorption finish.

B. LITHOGEOCHEMICAL SAMPLING

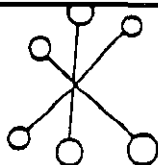
Approximately 2 kg of rock was collected and placed in 6 mm plastic bags and shipped to Eco-Tech Laboratories in Kamloops. This material was crushed and pulverized to -140 mesh and a 1 assay ton split taken. The split was analyzed for gold using fire assay and atomic absorption finish. Another 10 gm split was analyzed for copper, lead, zinc and silver using wet extraction and atomic absorption finish.

C. SOIL SAMPLES

Approximately 0.5 kg of "B" horizon soil, where available, or talus fines where not, was placed in standard gusseted kraft bag and shipped to Eco-Tech Laboratories in Kamloops. This material was dried and sieved to -80 mesh. A 14 gram sample was analyzed for gold using fire assay and atomic absorption finish. Another one gram split was analyzed for 30 elements using Aqua Regia extraction and ICP.

APPENDIX C

Analytical Methods



ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

GEOCHEMICAL LABORATORY METHODS

SAMPLE PREPARATION (STANDARD)

1. Soil or Sediment: Samples are dried and then sieved through 80 mesh nylon sieves.
2. Rock, Core: Samples dried (if necessary), crushed, riffled to pulp size and pulverized to approximately -140 mesh.
3. Heavy Mineral Separation: Samples are screened to -20 mesh, washed and separated in Tetrabromothane.
(SG 2.96)

METHODS OF ANALYSIS

All methods have either certified or in-house standards carried through entire procedure to ensure validity of results.

1. Multi-Element Cd, Cr, Co, Cu, Fe (acid soluble),
Pb, Mn, Ni, Ag, Zn, Mo

Digestion

Hot aqua-regia

Finish

Atomic Absorption, background correction applied where appropriate

A) Multi-Element ICP

Digestion

Hot aqua-regia

Finish

ICP

2. Antimony

Digestion

Hot aqua regia

Finish

Hydride generation - A.A.S.

3. Arsenic

Digestion

Hot aqua regia

Finish

Hydride generation - A.A.S.

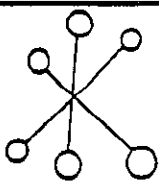
4. Barium

Digestion

Lithium Metaborate Fusion

Finish

I.C.P.



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5. Beryllium

Digestion

Hot aqua regia

Finish

Atomic Absorption

6. Bismuth

Digestion

Hot aqua regia

Finish

Atomic Absorption

7. Chromium

Digestion

Sodium Peroxide Fusion

Finish

Atomic Absorption

8. Fluorine

Digestion

Lithium Metaborate Fusion

Finish

Ion Selective Electrode

9. Mercury

Digestion

Hot aqua regia

Finish

Cold vapor generation -
A.A.S.

10. Phosphorus

Digestion

Lithium Metaborate Fusion

Finish

I.C.P. finish

11. Selenium

Digestion

Hot aqua regia

Finish

Hydride generation - A.A.S.

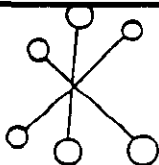
12. Tellurium

Digestion

Hot aqua regia
Potassium Bisulphate Fusion

Finish

Hydride generation - A.A.S.
Colorimetric or I.C.P.



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13. Tin

Digestion

Ammonium Iodide Fusion

Finish

Hydride generation - A.A.S.

14. Tungsten

Digestion

Potassium Bisulphate Fusion

Finish

Colorimetric or I.C.P.

15. Gold

Digestion

Fire Assay Preconcentration
followed by Aqua Regia

Finish

Atomic Absorption

16. Platinum, Palladium, Rhodium

Digestion

Fire Assay Preconcentration
followed by Aqua Regia

Finish

Graphite Furnace - A.A.S.

APPENDIX D

Sample Descriptions

Sample Descriptions

Hour 1 (KR) 16/7/90

Sample 93073, 74 P.C., Silt

On northern boundary Hour 1, Elevation 980 meters
Flt. is 50% foliated And. tuff, 30% foliated
slstn, 20% foliated chert

Sample 93075, 76 P.C., Silt

250 m South of north boundary Hour 1 Elevation
980 meters
Flt. is 10% foliated syenite, 50% And. tuff,
20% Slstn, 10% Arg 10% chert, minor qtz

Sample 93077, Rusty sericite schist

Elevation 1610 m Southwest side ridge; 40 cm chip

Sample 93078, Rusty And. Tuff

foliated minor pyrite; Elevation 1550 South of
93077

Sample 93080, 10 cm chip of quartz

vein Minor pyrite 1380 Elevation, Milky quartz.
Banded; 2 mm black bands \approx 200m; SE 93079

Sample 93081, 0.5 m chip of

Silicified chloritized And. w/ 1% pyrite 30 m
SE93080 Elevation 1370

Sample 93082 1.0 m chip of

Rusty Arg. Elevation 1160 m; South flank of ridge

Sample 93083, 40 cm chip

of quartz vein in schistose; volcanics Series of
stringers and veins to 30 cm parallel to
schistosity Sweats? Attitude of veins and
schistosity $S93^{\circ} D70^{\circ}N$

Note:

A sequence of Arg, Slstn, Chert and Dacite Tuff Striking
Northeast dipping N forms upper elevations on ridge.
Underlain by And. tuff. Quartz veins to 0.5m appear to be
sweats parallel to bedding and increase as scarp on North
side Barrington River is approached.

LEGEND



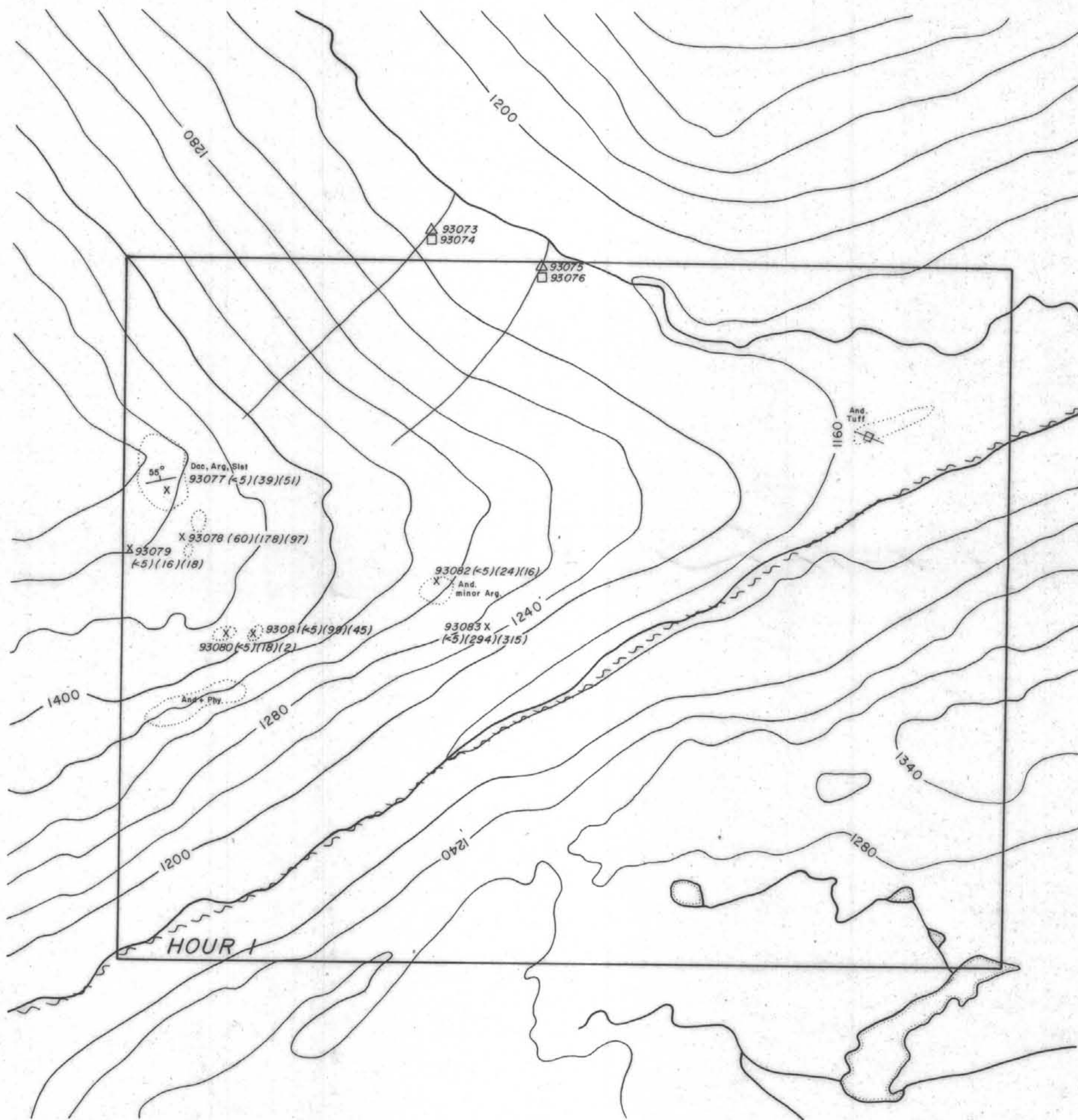
98083 (5)(294)(315) Sample No. (Au,ppb)(Cu,ppm)(Zn,ppm)

- x Rock sample.
- △ Pan concentrate.
- Silt sample.
- Water course.
- 1400— Contour (interval 40m).
- ┌└ Claim boundary.
- Outcrop.
- ∠ Bedding attitude.
- ⋯ Fault.
- Joint.

ABBREVIATIONS

Arg	Argillite	} UPPER TRIASSIC STUHINI GROUP
Slst	Siltstone	
Dac	Dacite.	
Phy	Phyllite.	
And	Andesite.	

0 100 300 600 Metres



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HOUR I CLAIM

LIARD M.D., B.C.

GEOLOGY AND
SAMPLE LOCATION MAP



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SCALE: 1: 10,000	N.T.S.: 104F/16E	FIGURE No: 4
DWN. BY:	DATE: NOV. 1990	
CHKD. BY:	PROJECT No: 90BC015	FILE No: