

ARIS SUMMARY SHEET

District Geologist, Kamloops

Off Confidential: 89.06.28

ASSESSMENT REPORT 17700

MINING DIVISION: Vernon

PROPERTY: Flip  
LOCATION: LAT 50 00 00 LONG 119 46 19  
UTM 11 5542094 301349  
NTS 082L04W 082E13W

CLAIM(S): Flip  
OPERATOR(S): Chevron Min.  
AUTHOR(S): Ziebart, P.  
REPORT YEAR: 1988, 14 Pages

GEOLOGICAL SUMMARY: The property is underlain, in part, by ultramafic intrusions.

WORK DONE: Prospecting  
ROCK 20 sample(s) ;ME  
SOIL 47 sample(s) ;ME  
Map(s) - 1; Scale(s) - 1:5000

MINFILE: 082LSW005

LOG NO: 0826	RD.
ACTION:	
FILE NO:	

PROSPECTING  
ASSESSMENT REPORT

on the

FLIP CLAIM

FILED

KELOWNA AREA

VERNON MINING DIVISION, B.C. GEOLOGICAL BRANCH  
ASSESSMENT REPORT

17,700

NTS: 82L/4W  
 LATITUDE: 50° 00'  
 LONGITUDE: 119° 45'  
 OWNER: Chevron Canada Resources Ltd.  
 CONSULTANTS: Discovery Consultants  
 AUTHOR: P. Ziebart  
 DATE: July 23, 1988

GOLD COMMISSIONER  
 RECEIVED and RECORDED  
 AUG 22 1988  
 M.R. \_\_\_\_\_ \$ \_\_\_\_\_  
 VERNON, B.C.

Table of Contents

INTRODUCTION .....Page 1  
INTERPRETATION .....Page 1  
TECHNICAL DATA .....Page 2  
STATEMENT OF COSTS .....Page 4  
STATEMENT OF QUALIFICATIONS .....Page 5  
APPENDIX GEOCHEMICAL LAB REPORT .....Page 6

Illustrations

Figure 1	Location Map	Following Page 1
Figure 2	Sample Location Map 1	In pocket

### Introduction

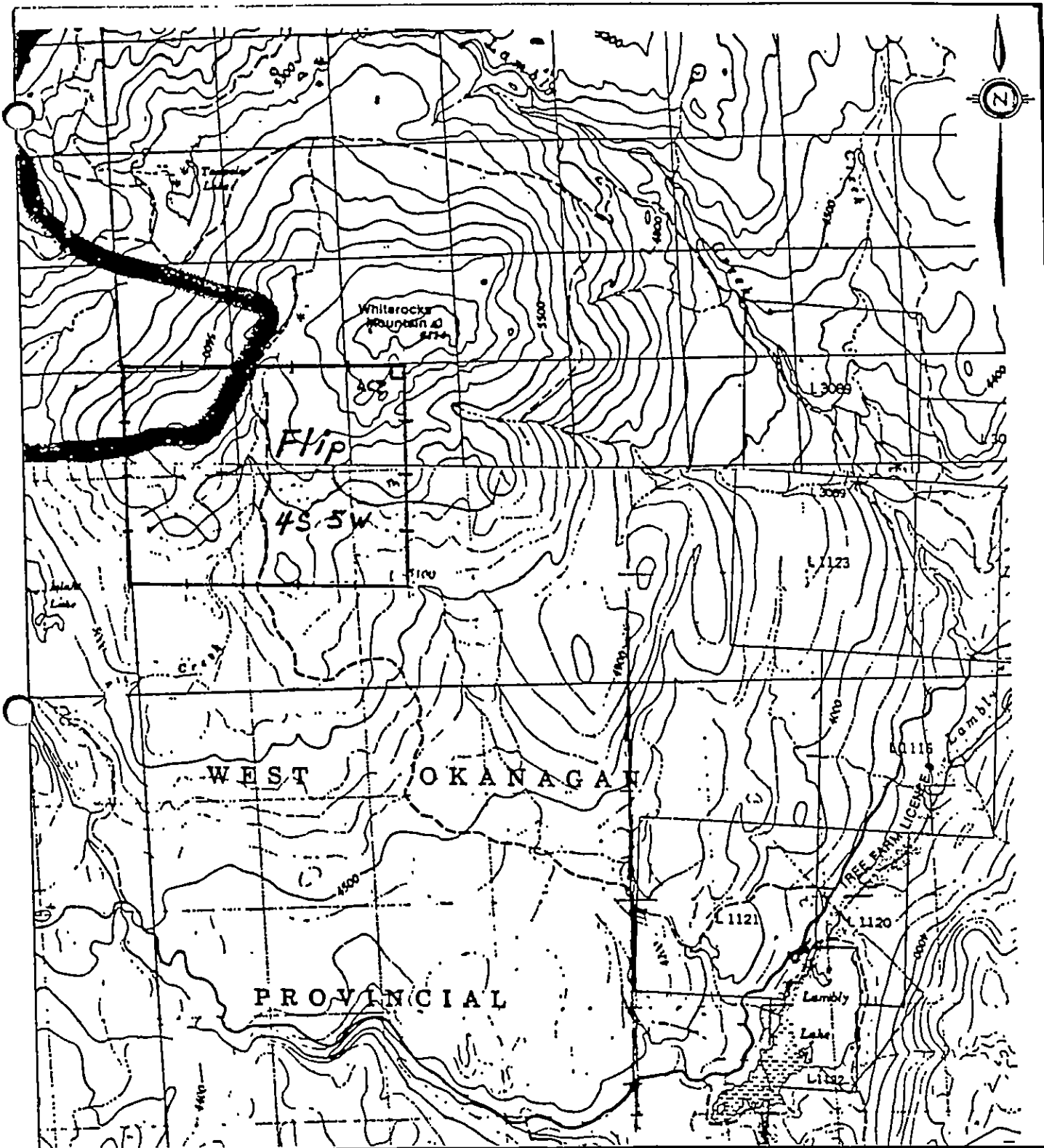
The Flip mineral claim is located on the southwest flank of White Rocks Mountain 24 km northwest of Kelowna, B.C. The author spent a total of 4 days prospecting the claims (July 24-25, 1987; June 25-26, 1988). Twenty rock and forty seven soil samples were collected and sent to Bondar Clegg & Company in Vancouver for geochemical analysis.

The property has had considerable exploration work done on it in the past, including percussion and diamond drilling, to assess its economic potential as a porphyry copper deposit.

The purpose of my work was to sample any mineralized and/or altered outcrops in hopes of discovering epithermal type gold mineralization. As the property is underlain, in part, by ultramafic intrusions, the 1988 samples were analysed for platinum and palladium as well as precious and base metals.

### Interpretation

The sampling failed to reveal any significant gold values except for sample Z-87-R-126 which is anomalous in gold & silver as well as copper. Sample R-126 was taken from an ultramafic outcrop which may explain its relatively high gold content. Nothing I observed in the field would suggest the presence of epithermal type gold mineralization. However, the presence of anomalous Pt. and Pd. values in a number of soil and rock samples warrant further work to determine their significance.



**DISCOVERY**

Consultants

CHEVRON MINERALS LTD.

FLIP PROPERTY

CLAIM LOCATION MAP

DATE: JULY/87

PROJECT: 325

SCALE: 1:50000

N.T.S. 182-E-13/L-4

M.D. VERNON

FIGURE: 1

## Technical Data

<u>Sample No.</u>	<u>Description</u>
Z-87-R-119	Percussion Hole 80-26. Sampled cuttings on ground near drill collar. Hole marked by 2"x 2" post with metal tag.
Z-87-R-120	Outcrop, grab sample. Mafic monzonite with 20% disseminated pyrite. Heavy epidote alteration.
Z-87-R-121	Outcrop, grab sample-ultramafic-gabbros with 5-10% disseminated pyrite. Epidote alteration.
Z-87-R-122	Outcrop, grab sample. Fine grained gabbro with 5-10% dissemination. pyrite, epidote alteration.
Z-87-R-123	Outcrop, grab sample. Dioritic rocks in contact with ultramafics. Diorite contains <3% pyrite. Minor magnetite. Epidote alteration.
Z-87-R-124	Outcrop, grab sample. Same as R-123. Ultramafic contains up to 10% pyrite, heavy magnetite. Some malchite, minor chalcopyrite.
Z-87-R-125	Outcrop. grab sample. Dark, rusty weathering gabbros with pyrite, magnetite epidote alteration.
Z-87-R-126	Outcrop, grab sample. Dark coloured, fine grained ultramafic with malchite, calcopyrite, pyrite magnetite. Epidote alteration.
Z-87-R-127	Outcrop, grab sample. Gabbro with weak pyrite malchite.
Z-87-R-128	Diamond drill core. (DDH-?, Box 1) Ultramafic to gabbroic rocks with disseminated pyrite, calcopyrite magnetite. Best copper with more ultramafic sections. Sampled best mineralized core.
Z-87-R-129	Diamond drill core. (DDH?, Box ?) Less mafic phase. disseminated pyrite, calcopyrite magnetite epidote alteration. Sampled best mineralized core.
Z-87-R-130	Diamond drill core. (DDH-2, Box 2) Mainly ultramafic, disseminated pyrite, magnetite. A few barren quartz veinlets. Narrow unmineralized aplite dykes.

- Z-87-R-131 Diamond drill core. (DDH-1A, Box 11-75)  
Footage 290'-320'- Mafic monzonite to  
Ultramafic. Disseminated pyrite, magnetite.  
Small aplite dyke. A few barren quartz  
veinlets. Sampled best mineralization.
- Z-87-R-132 Diamond drill core (DDH-?-Box ?) Ultramafic  
monzonite contact. Disseminated pyrite,  
magnetite. In 30' of core only a few barren  
quartz veinlets. Epidote alteration.
- Z-87-R-133 Outcrop- grab sample. Monzonite, reddish,  
brown iron stain. Disseminated magnetite heavy  
epidote-quartz veinlets. A few small  
ultramafic veinlets.
- Z-87-R-134 Outcrop, grab sample. Dark grey, aphanitic,  
siliceous sedimentary rock with fine grained  
disseminated pyrite. Contact zone.
- Z-87-R-135 Outcrop, composite sample. Monzonite in  
contact with fine grained sediments. Both  
units are highly siliceous with disseminated  
fine grained pyrite.
- Z-88-R-400 Old diamond drill core. Selected split  
pyroxenite with pyrite, magnetite, minor  
chalcopyrite. Hole number and footage not  
legible.
- Z-88-R-401 Outcrop, grab sample. Coarse grained  
ultramafic with heavy magnetite.
- Z-88-R-402 Local angular float, grab sample. Limestone  
conglomerate with limonite in fracture planes.  
White to tan coloured limestone clasts (often  
stretched) in a dark grey siliceous argillite  
matrix.
- Soil Line H Ten soil samples taken from "B" horizon every  
30 metres from 0+00W to 3+60W.
- Soil Line F 21 soil samples taken from the "B" horizon at  
100 metre intervals from 0+00S to 20+00S.
- F-1 to F-3 Stream sediment samples

Statement of Costs

1.	Personnel		
	Prospecting -		
	P. Ziebart 24-25 July 1987		
	2 days @ \$205/day	\$410.00	
	P. Ziebart 25-26 June 1988		
	2 days @ \$280/day	560.00	
	Report Writing -		
	P. Ziebart November 5, 1987		
	1 day @ \$205/day	<u>205.00</u>	\$1175.00
2.	Transport 4 x 4 Truck		
	850 km @ .35/km		297.50
3.	Analysis		
	Sample Prep. 47 soils @ \$1.00	47.00	
	20 rock @ \$3.25	65.00	
	Gold Assay 17 @ \$6.75	114.75	
	10 element DCP 17 @ \$6.75	114.75	
	Pf, Pd 50 @ \$12.75	637.50	
	Au + 10 element DCP 50 @ \$16.10	<u>805.00</u>	1784.00
4.	Office Expenses		
	Secretarial	30.00	
	Computer Rental	<u>20.00</u>	<u>50.00</u>
			\$3306.50



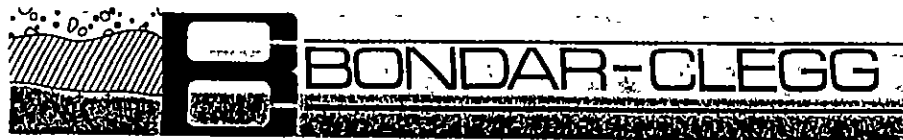
STATEMENT OF QUALIFICATIONS

I, Paul A. Ziebart, of the city of Kelowna, in the Province of British Columbia, do hereby state that:

1. I completed a two year course in Mining Technology at the Haileybury School of Mines in Haileybury, Ontario in 1969.
2. I have been employed as a prospector and/or technician in various phases of mining exploration for the last twenty years.
3. I have been involved in mineral exploration programs carried out in B.C., the Yukon, N.W.T. and Quebec in the last twenty years.



Paul Ziebart



JUL 15 1988

REPORT: V88-04490.0 ( COMPLETE )

REFERENCE INFO: SHIPMENT #6

CLIENT: DISCOVERY CONSULTANTS  
 PROJECT: FLIP

SUBMITTED BY: P. ZIERBART  
 DATE PRINTED: 8-JUL-88

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au Gold - Fire Assay	40	5 PPB	FIRE-ASSAY	Fire Assay AA
2	Ag Silver	40	0.5 PPM	HN03-HCL HOT EXTR	PLASMA EMISSION SPEC
3	As Arsenic	40	5 PPM	HN03-HCL HOT EXTR	PLASMA EMISSION SPEC
4	Bi Bismuth	40	2 PPM	HN03-HCL HOT EXTR	PLASMA EMISSION SPEC
5	Co Cobalt	40	1 PPM	HN03-HCL HOT EXTR	PLASMA EMISSION SPEC
6	Cu Copper	40	1 PPM	HN03-HCL HOT EXTR	PLASMA EMISSION SPEC
7	Fe Iron	40	0.05 PCT	HN03-HCL HOT EXTR	PLASMA EMISSION SPEC
8	Mo Molybdenum	40	1 PPM	HN03-HCL HOT EXTR	PLASMA EMISSION SPEC
9	Pb Lead	40	5 PPM	HN03-HCL HOT EXTR	PLASMA EMISSION SPEC
10	Sb Antimony	40	5 PPM	HN03-HCL HOT EXTR	PLASMA EMISSION SPEC
11	Zn Zinc	40	1 PPM	HN03-HCL HOT EXTR	PLASMA EMISSION SPEC
12	Pt Platinum	40	15 PPB	FIRE-ASSAY	
13	Pd Palladium	40	2 PPB	FIRE-ASSAY	

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
S SOILS	34	1 -80	37	DRY, SIEVE -80	37
T STREAM SEDIMENT, SILT	3	2 -150	3	CRUSH, PULVERIZE -150	3
R ROCK OR BED ROCK	3				

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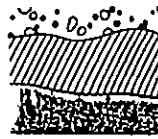
INVOICE TO: DISCOVERY CONSULTANTS

REPORT: V88-04490.0

PROJECT: FLTP

PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Ag PPM	As PPM	Bi PPM	Co PPM	Cu PPM	Fe PCT	Mo PPM	Pb PPM	Sb PPM	Zn PPM
S1 L-F 0+00S		<5	0.9	8	4	19	62	3.99	3	10	6	110
S1 L-F 1+00S		<5	0.6	<5	<2	10	32	2.83	2	9	<5	57
S1 L-F 2+00S		<5	1.0	7	3	5	31	1.91	2	8	<5	53
S1 L-F 3+00S		<5	0.5	<5	3	8	32	2.13	3	8	<5	58
S1 L-F 4+00S		<5	0.7	8	7	7	33	2.20	<1	8	<5	81
S1 L-F 5+00S		<5	1.1	<5	2	10	32	2.20	3	9	<5	71
S1 L-F 6+00S		<5	<0.5	<5	3	10	74	2.54	<1	<5	<5	57
S1 L-F 7+00S		<5	0.7	<5	4	9	60	2.58	2	<5	<5	68
S1 L-F 8+00S		<5	<0.5	<5	<2	6	34	2.49	2	8	<5	61
S1 L-F 9+00S		91	<0.5	<5	<2	6	30	2.38	2	7	<5	66
S1 L-F 10+00S		<5	1.1	<5	6	7	29	2.24	4	5	<5	71
S1 L-F 11+00S		11	<0.5	10	<2	10	45	2.32	4	<5	<5	61
S1 L-F 12+00S		<5	0.6	5	6	9	41	2.52	2	<5	<5	83
S1 L-F 13+00S		<5	0.8	<5	5	9	30	2.39	2	<5	6	57
S1 L-F 14+00S		<5	<0.5	<5	4	6	24	2.20	2	6	<5	72
S1 L-F 15+00S		<5	<0.5	<5	<2	7	21	1.98	2	<5	<5	73
S1 L-F 16+00S		<5	1.2	<5	3	12	36	3.64	3	6	<5	152
S1 L-F 17+00S		6	<0.5	<5	<2	12	37	3.39	1	10	<5	135
S1 L-F 18+00S		<5	1.1	6	<2	17	44	4.37	4	7	<5	173
S1 L-F 19+00S		9	<0.5	12	<2	11	31	2.55	2	6	<5	120
S1 L-F 20+00S		<5	0.5	<5	<2	11	35	2.65	1	6	<5	102
S1 L-H 0+00M		<5	0.7	<5	4	6	17	2.37	1	9	<5	60
S1 L-H 0+30M		<5	<0.5	<5	<2	11	25	2.59	3	9	<5	81
S1 L-H 0+60M		<5	0.9	<5	<2	11	29	2.60	2	9	<5	80
S1 L-H 0+90M		<5	<0.5	<5	<2	9	29	2.58	2	<5	<5	64
S1 L-H 1+20M		<5	<0.5	9	<2	6	23	2.15	3	7	<5	58
S1 L-H 1+50M		<5	<0.5	11	<2	9	23	2.13	<1	<5	<5	60
S1 L-H 1+80M		<5	<0.5	7	<2	6	23	2.13	2	7	<5	46
S1 L-H 2+10M		<5	0.6	7	<2	6	27	2.14	<1	16	<5	48
S1 L-H 2+40M		<5	<0.5	<5	3	5	22	2.04	1	<5	<5	51
S1 L-H 2+70M		<5	<0.5	<5	4	9	22	2.49	<1	<5	<5	62
S1 L-H 3+00M		<5	0.8	8	<2	6	25	2.15	2	9	<5	57
S1 L-H 3+30M		<5	<0.5	9	<2	5	19	2.13	<1	9	<5	57
S1 L-H 3+60M		<5	1.5	9	<2	6	53	2.50	2	6	<5	64
T1 F-1		<5	<0.5	14	<2	12	67	3.54	3	<5	6	97
T1 F-2		<5	<0.5	13	<2	8	46	2.70	4	6	<5	97
T1 F-3		<5	<0.5	<5	<2	11	56	2.71	6	5	<5	88
R2 Z-88-R-400		6	1.6	<5	<2	40	1079	7.95	<1	<5	<5	118
R2 Z-88-R-401		5	0.9	<5	<2	38	204	7.01	<1	<5	<5	72
R2 Z-88-R-402		12	0.5	16	6	1	22	1.34	2	<5	<5	26



REPORT: V88-04490.0

PROJECT: FTIP

PAGE 18

SAMPLE NUMBER	ELEMENT UNITS	Pt PPR	Pd PPB
---------------	---------------	--------	--------

S1 L-F 0+00S		25	4
S1 L-F 1+00S		30	4
S1 L-F 2+00S		<15	<2
S1 L-F 3+00S		20	<2
S1 L-F 4+00S		15	<2

S1 L-F 5+00S		<15	<2
S1 L-F 6+00S		30	4
S1 L-F 7+00S		<15	<2
S1 L-F 8+00S		40	<2
S1 L-F 9+00S		20	2

S1 L-F 10+00S		15	4
S1 L-F 11+00S		30	4
S1 L-F 12+00S		<15	<2
S1 L-F 13+00S		<15	<2
S1 L-F 14+00S		15	<2

S1 L-F 15+00S		15	2
S1 L-F 16+00S		15	<2
S1 L-F 17+00S		<15	<2
S1 L-F 18+00S		15	<2
S1 L-F 19+00S		20	<2

S1 L-F 20+00S		<15	<2
S1 L-H 0+00W		<15	<2
S1 L-H 0+30W		15	<2
S1 L-H 0+60W		20	<2
S1 L-H 0+90W		20	<2

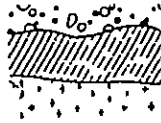
S1 L-H 1+20W		20	<2
S1 L-H 1+50W		40	<2
S1 L-H 1+80W		<15	2
S1 L-H 2+10W		20	<2
S1 L-H 2+40W		20	<2

S1 L-H 2+70W		<15	<2
S1 L-H 3+00W		15	<2
S1 L-H 3+30W		20	<2
S1 L-H 3+60W		20	4
T1 F-1		20	4

T1 F-2		20	2
T1 F-3		45	6
R2 Z-88-R-400		240	80
R2 Z-88-R-401		30	30
R2 Z-88-R-402		15	<2

AUG 24 1987

Bondar-Clegg & Company Ltd  
 1401 Highway 100  
 North Vancouver BC  
 Canada V7R 4R5  
 Phone (604) 985-0881  
 Telex 0313266



**BONDAR-CLEGG**

Geochemical  
 Lab Report

REPORT: 127-5655 ( COMPLETE )

REFERENCE INFO: SHIPMENT #9

CLIENT: DISCOVERY CONSULTANTS  
 PROJECT: NONE GIVEN

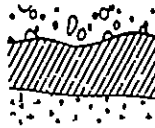
SUBMITTED BY: P. ZIEBART  
 DATE PRINTED: 18-AUG-87

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Cu Copper	24	1 PPM	HN03-HCL HOT EXTR	PLASMA
2	Pb Lead	24	5 PPM	HN03-HCL HOT EXTR	PLASMA
3	Zn Zinc	24	1 PPM	HN03-HCL HOT EXTR	PLASMA
4	Mo Molybdenum	24	1 PPM	HN03-HCL HOT EXTR	PLASMA
5	Ag Silver	24	0.5 PPM	HN03-HCL HOT EXTR	PLASMA
6	Co Cobalt	24	1 PPM	HN03-HCL HOT EXTR	PLASMA
7	Bi Bismuth	24	2 PPM	HN03-HCL HOT EXTR	PLASMA
8	As Arsenic	24	5 PPM	HN03-HCL HOT EXTR	PLASMA
9	Sb Antimony	24	5 PPM	HN03-HCL HOT EXTR	PLASMA
10	Tl Thallium	24	1 PPM	HN03-HCL HOT EXTR	PLASMA
11	Au Gold - Fire Assay	24	5 PPB	FIRE-ASSAY	Fire Assay AA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK OR BED ROCK	24	2 -150	24	CRUSH,PULVERIZE -150	24

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REPORT: 127-5655

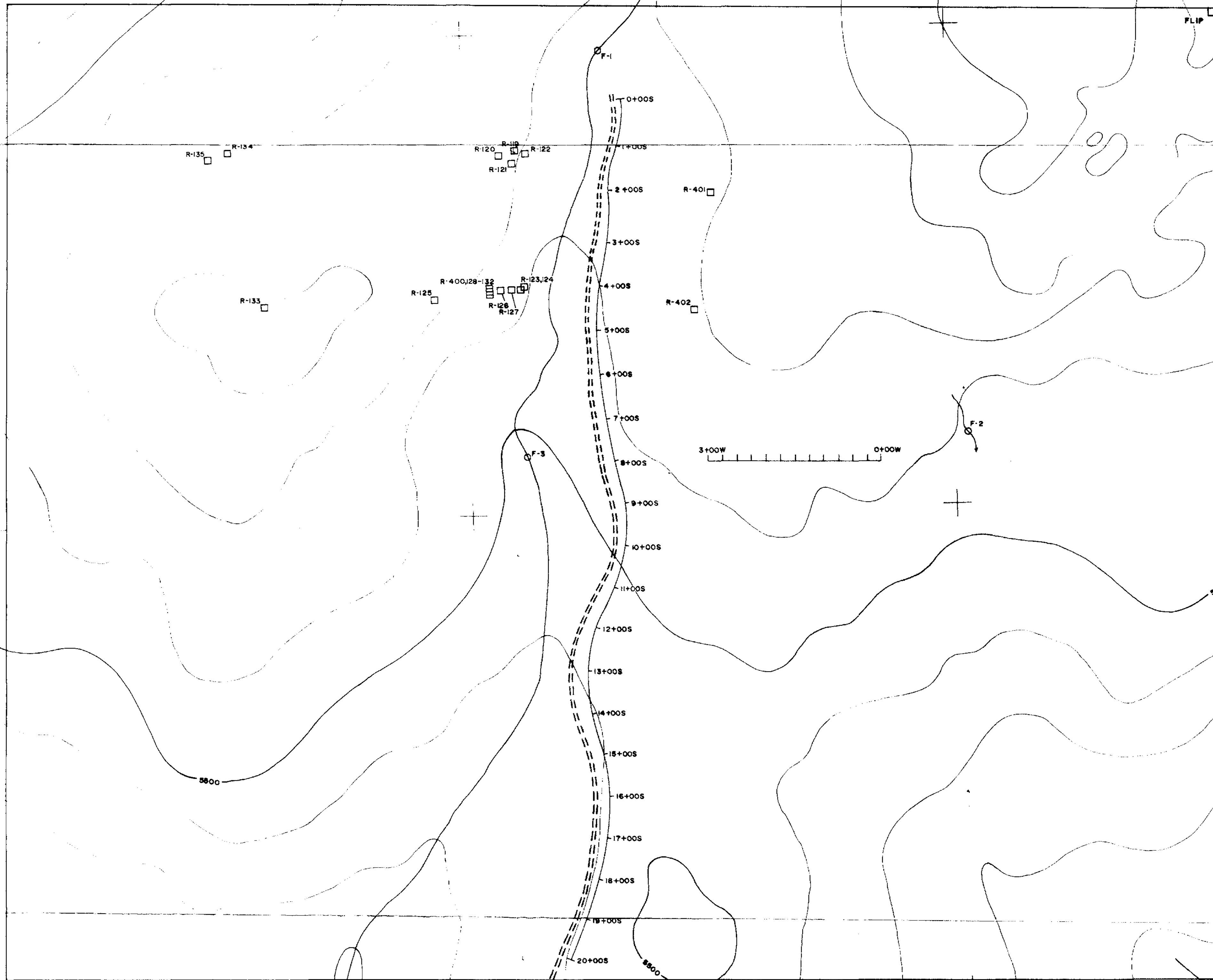
PROJECT: NONE GIVEN

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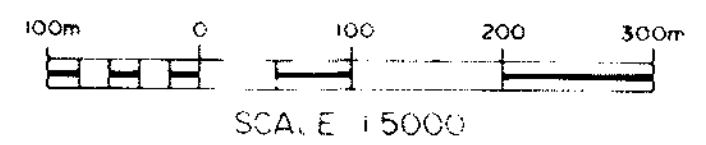
SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ag PPM	Co PPM	Bi PPM	As PPM	Sb PPM	Tl PPM	Au PPB
R2 Z-87 R-119		522	<5	53	3	<0.5	27	<2	7	<5	<1	<5
R2 Z-87 R-120		787	7	18	1	<0.5	22	<2	6	<5	<1	10
R2 Z-87 R-121		621	5	20	1	<0.5	23	<2	<5	<5	<1	<5
R2 Z-87 R-122		1009	8	26	17	0.6	26	<2	<5	<5	<1	5
R2 Z-87 R-123		113	8	40	2	<0.5	9	3	<5	<5	<1	<5
R2 Z-87 R-124		3275	<5	65	<1	1.0	26	<2	5	<5	<1	30
R2 Z-87 R-125		1147	<5	32	1	<0.5	24	<2	<5	<5	<1	20
R2 Z-87 R-126		7054	11	48	<1	8.8	23	5	<5	<5	<1	200
R2 Z-87 R-127		1737	5	54	4	0.9	34	2	<5	<5	<1	<5
R2 Z-87 R-128		1801	<5	69	1	<0.5	33	<2	<5	<5	<1	25
R2 Z-87 R-129		1062	<5	66	1	<0.5	19	<2	<5	<5	<1	<5
R2 Z-87 R-130		2108	<5	74	<1	<0.5	28	<2	<5	<5	<1	25
R2 Z-87 R-131		490	<5	62	2	<0.5	23	5	14	<5	<1	<5
R2 Z-87 R-132		596	<5	59	1	<0.5	16	<2	<5	<5	<1	10
R2 Z-87 R-133		52	8	10	<1	<0.5	2	<2	<5	<5	<1	<5
R2 Z-87 R-134		82	11	30	8	<0.5	11	5	<5	<5	<1	<5
R2 Z-87 R-135		43	8	52	22	<0.5	9	<2	<5	<5	<1	<5
R2 Z-87 R-136		30	9	36	127	<0.5	6	2	9	<5	<1	<5
R2 Z-87 R-137		16	7	40	38	<0.5	4	4	12	<5	<1	5
R2 Z-87 R-138		38	8	20	63	<0.5	4	7	76	5	1	5
R2 Z-87 R-139		21	<5	44	104	<0.5	3	3	5	<5	<1	<5
R2 Z-87 R-140		37	5	8	12	<0.5	2	3	<5	<5	<1	<5
R2 Z-87 R-141		6	5	17	227	<0.5	3	2	<5	<5	2	<5
R2 Z-87 R-142		20	5	52	61	<0.5	10	4	<5	<5	<1	<5

LEGEND

- F-1 ○ SILT SAMPLE
- R-120 □ ROCK SAMPLE
- [ ] SOIL GEOCHEM SAMPLE LINE



MAGNETIC DECLINATION = 21° 26' (1988)  
 DECREASING 47" PER YEAR



GEOLOGICAL BRANCH  
 ASSESSMENT REPORT  
 17700

CHEVRON MINERALS LTD.	
DISCOVERY Consultants	
FLIP PROPERTY SAMPLE LOCATION MAP	
DATE	AUGUST/88
SCALE	1:5000
PROJECT	325
NTS	82-E-13/82-L-4
FIGURE	VERNON MINING DIVISION