

ARIS SUMMARY SHEET

District Geologist, Kamloops

Off Confidential: 89.02.22

ASSESSMENT REPORT 17095

MINING DIVISION: Nicola

PROPERTY: Flop
LOCATION: LAT 50 03 00 LONG 119 47 30
UTM 11 5547704 300144
NTS 082L04W

CLAIM(S): Flop
OPERATOR(S): Chevron Min.
AUTHOR(S): Ziebart, P.
REPORT YEAR: 1988, 11 Pages

COMMODITIES
SEARCHED FOR: Gold, Copper, Molybdenum/Molybdenite

GEOLOGICAL
SUMMARY: A northwesterly striking sequence of siliceous argillites with minor limestone and volcanic rocks of Upper Paleozoic age are cut by small quartz-monzonite and quartz porphyry bodies.

WORK
DONE: Prospecting
PROS 375.0 ha
Map(s) - 1; Scale(s) - 1:5000
ROCK 20 sample(s) ;ME
SILT 3 sample(s) ;ME

LOG NO: 0303	RD.
FILE NO:	

PROSPECTING
ASSESSMENT REPORT

on the

FLOP CLAIM

FILMED

KELOWNA AREA

NICOLA MINING DIVISION, B.C.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

NTS: 82L/4W
LATITUDE: 50° 03'
LONGITUDE: 119° 47.5'
OWNER: Chevron Minerals
CONSULTANTS: Discovery Consultants
AUTHOR: Paul Ziebart
DATE: January 28, 1988

17,095

SUB RECORDER	
FEB 22 1988	
M.R. _____	\$ _____
VERNON, B.C.	

TABLE OF CONTENTS

INTRODUCTIONPage 1
GEOLOGY.....Page 1
INTERPRETATIONPage 2
TECHNICAL DATAPage 3
STATEMENT OF COSTSPage 5
STATEMENT OF QUALIFICATIONSPage 6
APPENDIX

ILLUSTRATIONS

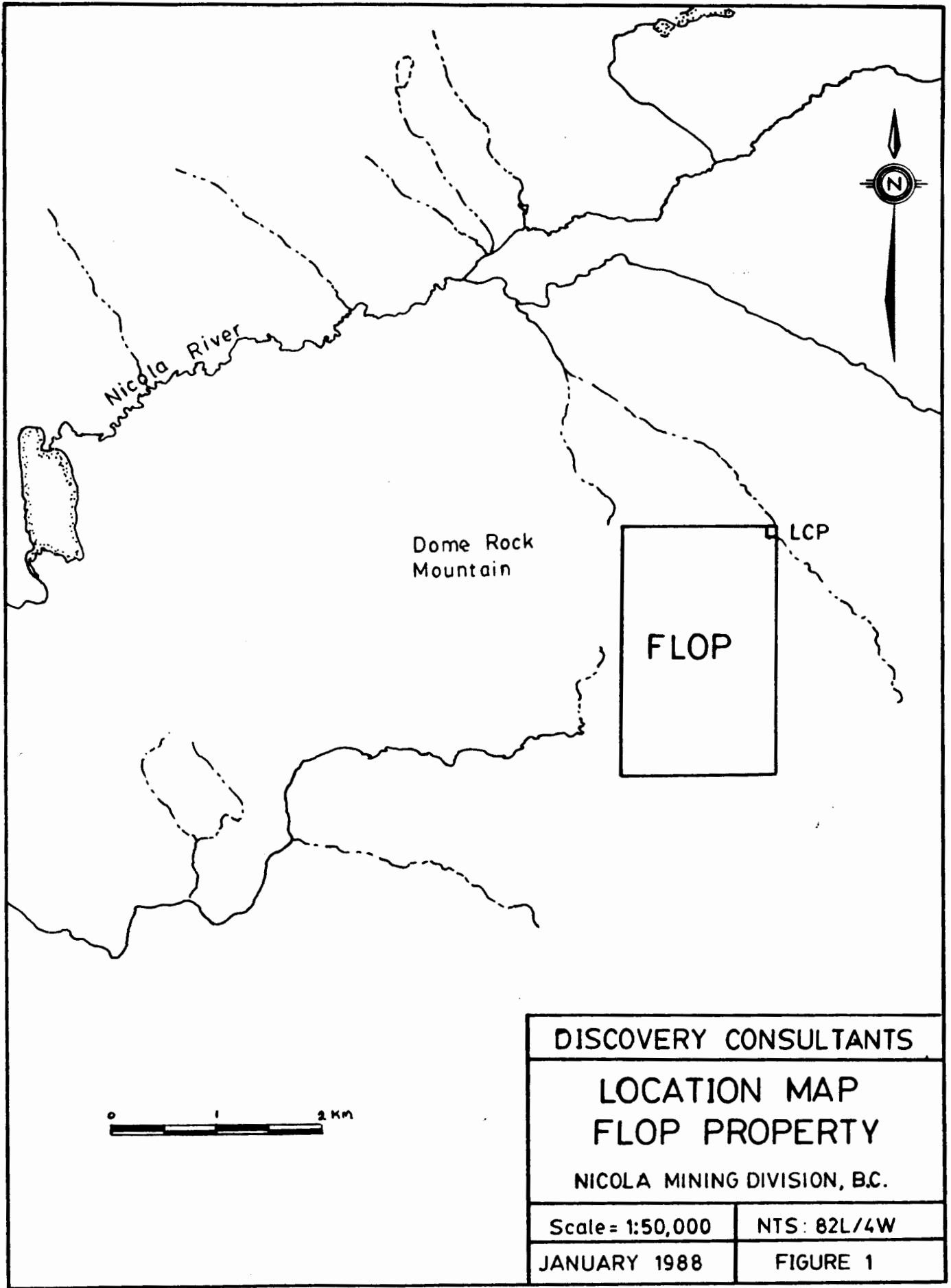
Figure 1	Location Map	Following Page	1
Figure 2	Sample Location Map 1:	In Pocket	

INTRODUCTION

The FLOP claim is located 3.5km north of Tadpole Lake and 25km N.W. of Kelowna, B.C. A total of 3 days was spent by the author prospecting the property from July 2, 1987 to July 4, 1987. Twenty rock samples and three stream sediment samples were collected and sent to Bondar-Clegg & Company Ltd. in North Vancouver, B.C., for geochemical analysis. A number of samples proved to be anomalous and can be grouped in one of two categories of anomalies: (1) narrow quartz veins with copper and molybdenum, and (2) narrow quartz veins in quartz-feldspar porphyry that are high in lead, silver, and bismuth. The lack of any significant gold values in the narrow quartz veins diminishes their economic potential considerably.

GEOLOGY

A northwesterly striking sequence of siliceous argillites with minor limestone and volcanic rocks of Upper Paleozoic age are cut by small quartz-monzonite and quartz porphyry bodies.



DISCOVERY CONSULTANTS	
LOCATION MAP FLOP PROPERTY	
NICOLA MINING DIVISION, B.C.	
Scale = 1:50,000	NTS: 82L/4W
JANUARY 1988	FIGURE 1

INTERPRETATION

The Dobbin porphyry molybdenum property (held by Cominco) is located immediately south of the copper-molybdenum, silver, lead, and bismuth anomalies. The two types of mineralization discovered are typical of the type of veins found near the periphery of copper-molybdenum porphyry deposits.

Exploration work on the Flop claim had been targeted toward the discovery of epithermal type gold mineralization but the sampling and prospecting failed to show any indications of this type of mineralization.

TECHNICAL DATA

Sample No.	Description
Z-87-R-107	Outcrop in ditch. Silicified argillites cut by numerous quartz veins & veinlets. Sampled 5cm wide quartz vein with weak py. Quartz vein zone is minimum 15 metres wide.
Z-87-R-108	Outcrop. Same location as R-107. Sampled rusty siliceous argillite host rock.
Z-87-R-109	Local angular float. Quartz monzonite with quartz veinlets, weak py.
Z-87-R-110	Outcrop. Silicified argillite cut by numerous quartz veins & veinlets, pyritic.
Z-87-R-111	Silicified argillite boulder (1 m wide) with pyritic quartz veinlets.
Z-87-R-112	Sub-outcrop. Light green-grey highly siliceous rock with molybdenum, pyrite and occasional specks of cpy. Numerous quartz veinlets.
Z-87-R-113	Outcrop. Highly siliceous, altered meta-seds. Rusty weathering, blue-grey colour with heavy disseminations of pyrite. Quartz veinlets. Some interbedded limestones.
Z-87-R-114	Outcrop. Rusty weathering siliceous argillites with pyrite & quartz veinlets. Pyrite is disseminated and in the quartz veinlets.
Z-87-R-115	Local angular boulders - siliceous limestone with disseminated pyrite.
Z-87-R-116	Outcrop. Blue-grey, fine-grained siliceous rock (sed?) with v.f.g. disseminated pyrite.
Z-87-R-117	Outcrop. Highly siliceous, rusty weathering meta-sed, cut by quartz veinlets.
Z-87-R-118	Outcrop. Quartz monzonite cut by several parallel quartz veins up to 4 cm wide (040°/75°E) No visible sulphides. Limonitic.
Z-87-R-119	Outcrop. Same description as R-118.

- Z-87-R-120 Outcrop. Cat trench, south wall, shear zone 1 m wide with abundant pyrite & quartz bands, veinlets. Zone hosted by a medium grained diorite. The sheared rocks are highly altered and badly weathered (shear zone $055^{\circ}/50^{\circ}E$).
- Z-87-R-121 Cat trench, south wall 40 cm wide zone consisting of intrusive dyke with narrow faults on both contacts. Highly altered, bleached, pyritic ($330^{\circ}/90^{\circ}$). Dyke can be traced to north side of trench.
- Z-87-R-122 Cat trench, north wall, 26 cm wide intrusive dyke, highly altered, bleached, pyritic, same dyke as in south wall.
- Z-87-R-123 Cat trench, north wall. Diorite, well fractured pyritic, silicified, epidote alteration bleached where shearing is most intense. Dyke in R-121, 122 is probably the same diorite that is bleached & highly altered near the shear zones.
- Z-87-R-124 Float, ultramafic with heavy magnetite.
- Z-87-R-125 Outcrop. Light green-grey highly siliceous foliated rock (acid vol.?) with lenses of calcite parallel to foliation planes. Disseminations & patches of fine grained pyrite. Several small aplite dykes.
- Z-87-R-126 Outcrop. Feldspar porphyry. Several quartz veins up to 3 cm wide pyritic.
- Flop - 1 Stream sediment sample
 Flop - 2 Stream sediment sample
 Flop - 3 Stream sediment sample

STATEMENT OF COSTS

1).	Prospecting, Paul Zeibart		
	July 2-4, 1987	3 days @ \$205/day	\$ 615.00
	Report Writing		
	Paul Ziebart	1 day @ \$225/day	225.00
2).	Expenses		
	Transport 4x4 Scout		
	486km @ .30/km	170.10	
	Drafting	44.00	
	Secretarial, photocopies, map prints	<u>75.00</u>	289.10
3).	Geochemical Analysis		
	Sample Preparation		
	3 @ \$.90	2.70	
	20 @ 3.25	<u>65.00</u>	67.70
	Analysis for As, Ag, Bi, Co, Cu, Mo, Pb, Sb, Th, Zn, Au		
	23 samples @ \$13.50	<u>310.50</u>	<u>378.20</u>
		Total	\$1507.30

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 nineteen 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 nineteen years.



Paul Ziebart

January 28, 1988
Vernon, B.C.

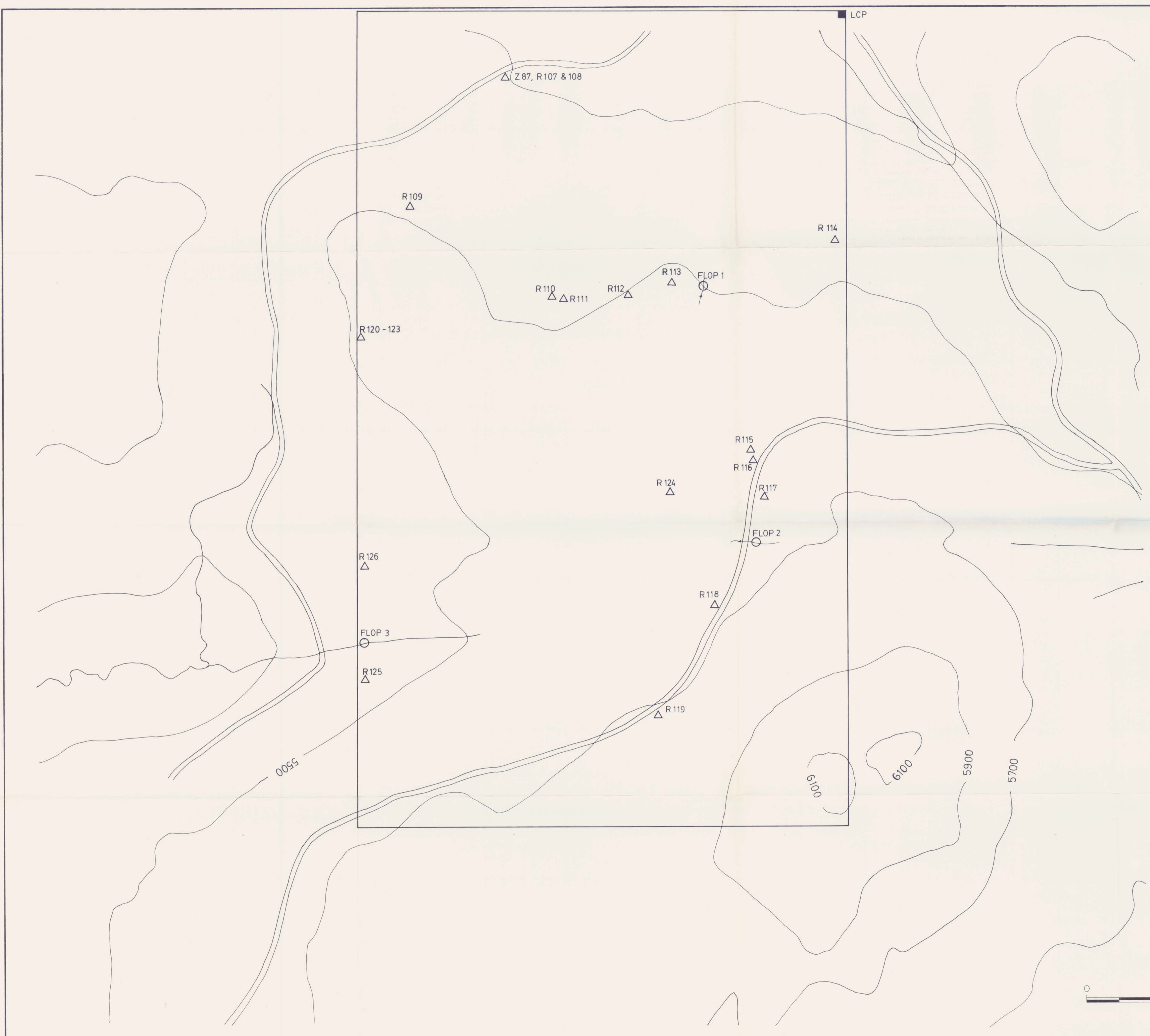
APPENDIX

GEOCHEMICAL RESULTS

A total of three stream sediment samples using the -80 mesh fraction and twenty rock samples using the -150 mesh fraction was analysed by Bondar-Clegg and Company. Analysis for gold was carried out by standard fire assay/atomic absorption methods and for Cu, Pb, Zn, Mo, Ag, Co, Bi, As, Sb and Tl by D.C. Plasma/Atomic Emission Spectroscopy following HNO₃-HCl extraction.

Sample ID	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Ag ppm	Co ppm	Bi ppm	As ppm	Sb ppm	Tl ppm	Au ppb
FLOP1	20	17	54	19	-0.5	5	-2	9	-5	1	-5
FLOP2	26	14	79	4	-0.5	9	-2	-5	-5	1	-5
FLOP3	34	55	108	36	-0.5	20	4	-5	-5	2	-5
Z-87-R-107	13	9	14	20	-0.5	2	-2	-5	-5	-1	-5
Z-87-R-108	19	7	52	10	-0.5	5	-2	-5	-5	1	-5
Z-87-R-109	30	37	19	5	0.9	2	9	85	7	3	10
Z-87-R-110	204	13	246	93	-0.5	12	2	-5	-5	2	-5
Z-87-R-111	234	14	70	116	-0.5	11	5	-5	-5	2	-5
Z-87-R-112	300	19	59	2351	-0.5	13	-2	-5	-5	-1	-5
Z-87-R-113	167	9	71	429	-0.5	14	-2	-5	-5	1	-5
Z-87-R-114	68	5	92	58	-0.5	10	4	-5	-5	1	-5
Z-87-R-115	62	9	29	14	-0.5	3	-2	-5	-5	-1	-5
Z-87-R-116	56	9	43	7	-0.5	9	6	-5	-5	2	-5
Z-87-R-117	49	17	63	51	-0.5	5	2	-5	-5	2	-5
Z-87-R-118	5	17	20	15	1.5	1	42	-5	-5	1	-5
Z-87-R-119	4	28	25	29	0.6	1	29	-5	-5	3	-5
Z-87-R-120	103	22	79	13	0.7	10	4	-5	9	1	30
Z-87-R-121	88	25	64	17	1.2	4	11	7	6	2	-5
Z-87-R-122	56	15	50	70	-0.5	4	4	-5	-5	1	25
Z-87-R-123	66	15	72	4	-0.5	14	-2	-5	-5	1	-5
Z-87-R-124	79	-5	71	2	-0.5	26	-2	-5	-5	-1	-5
Z-87-R-125	72	16	18	27	0.5	7	6	-5	-5	1	-5
Z-87-R-126	17	416	91	54	20.2	3	739	-5	-5	1	-5

A " - " symbol for any geochem value refers to a result less than detection limit.



TECHNICAL DATA

Sample No.	Description
Z-87-R-107	Outcrop in ditch. Silicified argillite cut by numerous quartz veins & veinlets. Sampled the wide quartz vein with weak pyrite. Quartz vein zone is minimum 15 metres wide.
Z-87-R-108	Outcrop. Same location as R-107. Sampled rusty siliceous argillite host rock.
Z-87-R-109	Local angular float. Quartz monzonite with quartz veinlets, weak pyrite.
Z-87-R-110	Outcrop. Silicified argillite cut by numerous quartz veins & veinlets, pyritic.
Z-87-R-111	Silicified argillite boulder (1 m wide) with pyritic quartz veinlets.
Z-87-R-112	Sub-outcrop. Light green-grey highly siliceous rock with molybdena, pyrite and occasional specks of opal. Numerous quartz veinlets.
Z-87-R-113	Outcrop. Highly siliceous, altered meta-sed. Rusty weathering, blue-grey colour with heavy disseminations of pyrite. Quartz veinlets. Some interbedded limestones.
Z-87-R-114	Outcrop. Rusty weathering siliceous argillites with pyrite & quartz veinlets. Pyrite is disseminated and in the quartz veinlets.
Z-87-R-115	Local angular boulders - siliceous limestone with disseminated pyrite.
Z-87-R-116	Outcrop. Blue-grey, fine-grained siliceous rock (see 1) with v.f.g. disseminated pyrite.
Z-87-R-117	Outcrop. Highly siliceous, rusty weathering meta-sed, cut by quartz veinlets.
Z-87-R-118	Outcrop. Quartz monzonite cut by several parallel quartz veins up to 4 cm wide (040°/75°E). No visible sulphides. Limonitic.
Z-87-R-119	Outcrop. Same description as R-118.
Z-87-R-120	Outcrop. Cat trench, south wall, shear zone 1 m wide with abundant pyrite & quartz bands, veinlets. Zone hosted by a medium grained diorite. The sheared rocks are highly altered and badly weathered (shear zone 035°/50°E).
Z-87-R-121	Cat trench, south wall 40 cm wide zone consisting of intrusive dyke with narrow faults on both contacts. Highly altered, bleached, pyritic (330°/90°). Dyke can be traced to north side of trench.
Z-87-R-122	Cat trench, north wall, 26 cm wide intrusive dyke, highly altered, bleached, pyritic, same dyke as in south wall.
Z-87-R-123	Cat trench, north wall: Diorite, well fractured pyritic, silicified, epidote alteration bleached where shearing is most intense. Dyke in R-121, 122 is probably the same diorite that is bleached & highly altered near the shear zones.
Z-87-R-124	Float, ultramafic with heavy magnetite.
Z-87-R-125	Outcrop. Light green-grey highly siliceous foliated rock (acid vol.?) with lenses of calcite parallel to foliation planes. Disseminations & patches of fine grained pyrite. Several small apitic dykes.
Z-87-R-126	Outcrop. Feldspar porphyry. Several quartz veins up to 3 cm wide pyritic.

Flop - 1 Stream sediment sample
 Flop - 2 Stream sediment sample
 Flop - 3 Stream sediment sample

GEOCHEMICAL RESULTS

A total of three stream sediment samples using the -80 mesh fraction and twenty rock samples using the -150 mesh fraction was analyzed by Bondar-Clegg and Company. Analysis for gold was carried out by standard fire assay/atomic absorption methods and for Cu, Pb, Zn, Mo, Ag, Co, Bi, Ni, Sb and Tl by D.C. Plasma/Atomic Absorption Spectrometry following microwave extraction.

Sample ID	Cu	Pb	Zn	Mo	Ag	Co	Bi	An	Sb	Tl	Au
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
FLOP1	20	17	54	19	-0.5	5	-2	9	-5	1	-5
FLOP2	14	14	70	4	-0.5	9	-2	-5	-5	1	-5
FLOP3	24	55	108	26	-0.5	20	4	-5	-5	2	-5
Z-87-R-107	13	9	14	20	-0.5	2	-2	-5	-5	-1	-5
Z-87-R-109	19	7	52	10	-0.5	5	-2	-5	-5	1	-5
Z-87-R-110	30	37	120	5	-0.5	2	9	85	7	18	18
Z-87-R-111	204	13	246	93	-0.5	12	2	-5	-5	2	-5
Z-87-R-112	234	14	70	116	-0.5	11	5	-5	-5	2	-5
Z-87-R-113	187	9	429	-0.5	14	-2	-5	-5	-1	-5	-5
Z-87-R-114	48	5	92	58	-0.5	10	4	-5	-5	1	-5
Z-87-R-115	82	9	14	-0.5	3	4	-5	-5	-5	-5	-5
Z-87-R-116	36	9	43	7	-0.5	9	6	-5	-5	2	-5
Z-87-R-117	49	17	63	51	-0.5	5	2	-5	-5	2	-5
Z-87-R-118	5	17	20	15	1.5	1	42	-5	-5	1	-5
Z-87-R-119	4	28	25	29	0.6	1	2	-5	-5	1	30
Z-87-R-120	103	22	79	13	0.7	10	4	-5	-5	3	-5
Z-87-R-121	88	20	64	17	1.1	4	4	-5	-5	1	-5
Z-87-R-122	36	15	50	10	-0.5	4	11	-5	-5	2	-5
Z-87-R-123	66	15	71	4	-0.5	14	-2	-5	-5	1	-5
Z-87-R-124	79	-5	71	2	-0.5	26	6	-5	-5	-5	-5
Z-87-R-125	72	16	18	27	0.5	7	6	-5	-5	1	-5
Z-87-R-126	17	416	31	34	20.2	3	730	-5	-5	1	-5

A * - * symbol for any geochem value refers to a result less than detection limit.

- Stream sediment sample
- △ Rock sample

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

17,095

DISCOVERY Consultants

CHEVRON MINERALS LTD.

**FLOP PROPERTY
SAMPLE LOCATION MAP**

Date: November 24, 1987	Scale: 1:5,000
Project: 278	NTS 82L/4W
Figure: 2	Mining Division: Nicola

