

SUMMARY REPORT
on
Discovery 1
N.T.S. 92 J/3
by
Les Demczuk M.Sc.
January 1987

TARGETS:

The subject property is located approximately 3km south of the Northair Mine, an important gold, silver and base metal producer. The main rock types are similar to those on the Northair property and southerly striking quartz-carbonate veins (Northair ores lie in quartz-carbonate veins) indicate the possibility of an extension of this deposit to the Discovery 1 claims.

LOCATION ACCESS and MINING ^{and Discovery 2} DIVISION:

The Discovery 1 claims are located in the Vancouver Mining Division, 10km southeast of the ski-resort of Whistler, and 100 km north of Vancouver, B.C.

Access to the property is by a good secondary grave logging road, off the main Vancouver-Whistler highway, which trends northward up Callaghan Creek and intersects the Discovery 1 claims.

²
The property consists of a 4 post (LCP) claim totaling 16 units. The claim was staked on October 26, 1986 and ²⁸ April 5, 1987 is registered in the name of Les Demczuk record no. 2011. and 2106

REGIONAL and LOCAL GEOLOGY:

The Discovery 1 claim group is a part of the Alta Lake - Callaghan Creek area of the Coast Plutonic Complex. Strata of the Alta Lake Pendant from a northwest trending belt of metamorphic rocks are bounded by quartz-diorite and diorite. The pendant rocks are dominately intermediate volcanics, volcanic breccias, tuffs and sandstone with minor amounts of argillite and limestone. The rocks are of Cretaceous age and have been metamorphosed to greenschist facias characterized by actinolite epidote, zoisite, chlorite, boitite and albite. The cleavage strikes north-northwest and dips steeply.

The Northair gold mine lies 3km to the north of the Discovery 1 claim group and approximately 6km north of the Callaghan Creek Basalts. The mine is hosted by Cretaceous rocks of the Alta Lake Pendant Strata with the greatest mineralization occurring in the steeply dipping quartz-carbonate veins.

Galena, sphalerite, chalcopyrite, pyrite, gold and argentite exist in these vein zones. Core samples containing large, irregular crystals of sphalerite, galena, and chalcopyrite indicate that the ore deposit might be of hydrothermal origin. The Discovery 1 claim group is located approximately 3km down the strike from the Northair auriferous veins in similar rock type and structure. A brief geological reconnaissance survey conducted in April 1980 on Disk Claim group (presently Discovery 1) by Crack Resources Ltd. revealed evidence for the potential of significant mineralization. Various types of wall-rock alteration associated with epigenetic gold deposits were observed near fracture zones on the property. Carbonatization the formation of secondary carbonates, takes place in the phyllites and extends for several meters on the west fracture zone. This is particularly significant because it lies along the approximate strike of the gold bearing quartz-carbonate veins only 3km to the north. Copper and iron staining, often indicative of gold is abundant in the shere zones. Chalcopyrite, argentine, and gold exist on surface outcrops. Grab samples taken from these exposures in 1980 yielded 0.66 oz/t silver 0.004 oz/t gold and up to 1-2% copper.

WORK SUMMARY:

The work program was conducted on Discovery 1 property by Les Demczuk on October 26, 28 and November 15. It included prospecting and collecting rock and silt samples. As a result of this program main types of rocks were identified and mineralized zones were located on the north and east part of the property. Geochemical results with highest values Ag 74.8 ppm (2.1oz/t) Cu 55720 ppm (5.5%) and Au 1150 ppb (0.03oz/t), Appearance of wall-rock alteration, Cu and iron oxide staining on surface outcrops and surface extent of quartz carbonate veins establish promising evidence for potentially significant mineralization in the Discovery 1 claim.

and May 5, July 20, 21 1987
on Discovery 2

RECOMMENDED WORK PROGRAM:

Initially, geological mapping and prospecting is needed on all property. A rock and soil sampling program is recommended on selected areas.

A second phase of exploration should include induced polarization surveys, trenching and diamond drilling on selected targets. Estimated start date of the program is July 1987.

Respectfully submitted



Les Demczuk M.Sc.

LEGEND

- PLEISTOCENE TO TERTIARY**
- 2 GARIBOLDI GROUP: (a) OLIVINE BASALT; (b) COUGRAN-VULCAN TRACHYDACEITE; (c) PORPHYRYTIC ANHYDRACTE; (d) BRECCIA
- CRETACEOUS TO UPPER JURASSIC**
- 6 COAST PLUTONIC COMPLEX: (a) QUARTZ DIORITE WITH MINOR DIORITE; (b) HORNBLENDE DIORITE WITH MINOR HORNBLENDE QUARTZ DIORITE; (c) GRANODIORITE
- 5 GAMBELLER GROUP: (a) ANDESITIC AGGLOMERATE; (b) EPICLASTIC VOLCANIC BRECCIA; (c) ARKOSIC WACRES WITH MINOR INTERSEDED MUDSTONES; (d) ANDESITIC CRYSTAL TUFF
- 4 DACITIC AGGLOMERATE MATRIX SUPPORTED; (a) SILICIOUS SILTSTONE; (b) DACITIC AGGLOMERATE, FRAGMENT SUPPORTED; (c) TUFFACEOUS SANDSTONES AND SILTSTONES WITH MINOR INTERSEDED RHYOLITIC TUFF
- 3 ANDESITIC CRYSTAL TUFF; (a) HORNBLENDE DYKE (124.4 MM)
- 2 ANDESITIC AGGLOMERATE
- 1 GREENSTONE, ANDESITIC IN COMPOSITION; (a) MARBLE WITH MINOR INTERSEDED CHERT AND GREENSTONE

MINERAL OCCURRENCES

- NORTHAM MINES LTD.
- 1 DISCOVERY ZONE
2 WARMAN ZONE
3 MANIFOLD ZONE
- VAR SILVER EXPLORATIONS LTD.
- 4 SILVER TUNNEL
5 HILLSITE
6 TEDI PIT
7 ZONE 4

SYMBOLS

- GEOLOGICAL BOUNDARY
DEFINED, APPROXIMATE, ASSUMED
- AREAS OF ABUNDANT OUTCROP
- LIMIT OF GEOLOGICAL MAPPING
- FAULT APPROXIMATE, ASSUMED
- BEDDING
- SCHISTOSITY
- PROSPECT PORTAL
- WATERCOURSE
- LAKES, PONDS
- ROADS PAVED, GRAVEL
- CONTOUR

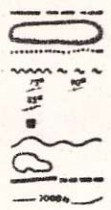
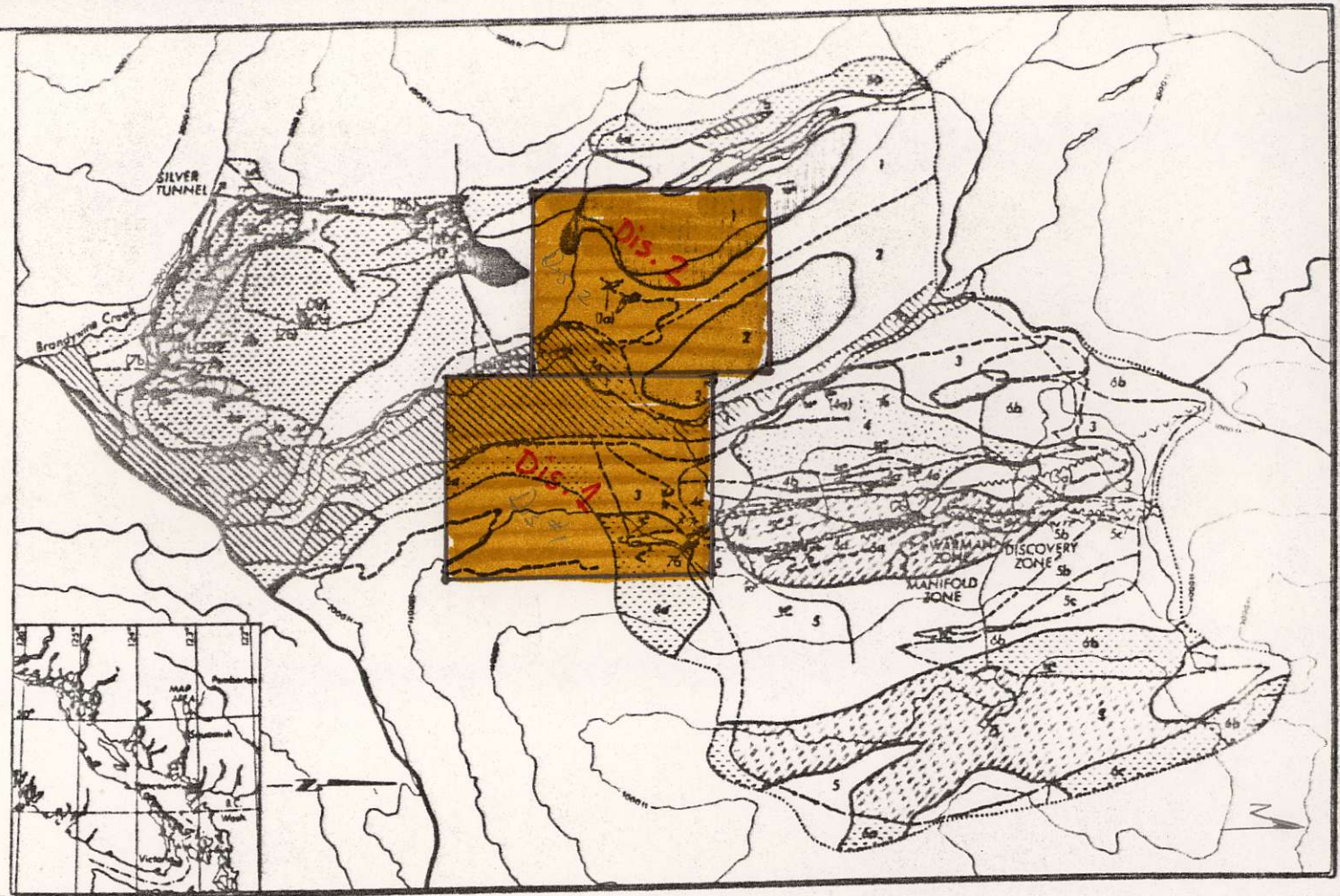
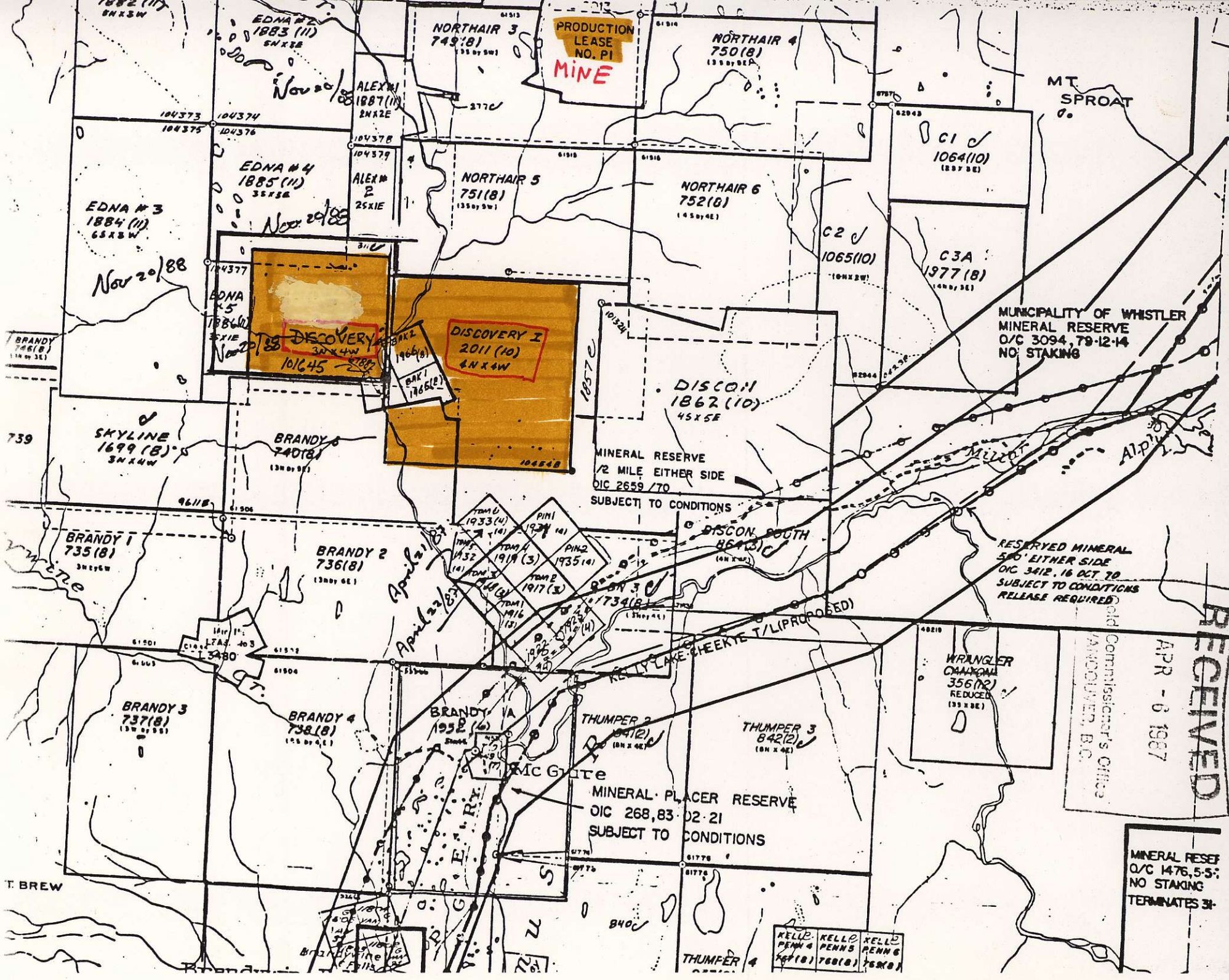


FIGURE 32
GEOLOGY OF THE CALLAGHAN
CREEK AREA

SCALE - METRES 0 500 1000
SCALE - MILES 0 0.5 1.0





PRODUCTION LEASE NO. P1
MINE

DISCOVERY
30' X 40'
10645

DISCOVERY I
2011 (10)
4N X 4W

DISCON
1862 (10)
45 X 5E

MINERAL RESERVE
1/2 MILE EITHER SIDE
O/C 2659 /70
SUBJECT TO CONDITIONS

DISCON SOUTH
8643 (10)
(6N X 2E)

MUNICIPALITY OF WHISTLER
MINERAL RESERVE
O/C 3094, 79-12-14
NO STAKING

RESERVED MINERAL
500' EITHER SIDE
O/C 3412, 16 OCT 70
SUBJECT TO CONDITIONS
RELEASE REQUIRED

THUMPER 2
8412 (10)
(8N X 4E)

MINERAL PLACER RESERVE
O/C 268, 83-02-21
SUBJECT TO CONDITIONS

WRANGLER
CAMPBELL
356 (12)
REDUCED
(13N X 8E)

Commissioner's Office
VANCOUVER, B.C.

APR - 6 1987

RECEIVED

MINERAL RESERVE
O/C 1476, 5-5-5
NO STAKING
TERMINATES 31

KELL PENN 4 767 (10)	KELL PENN 5 768 (10)	KELL PENN 6 769 (10)
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BRANDY
746 (8)
(14N X 3E)

SKYLINE
1699 (8)
3N X 4W

BRANDY 1
735 (8)
3N X 6W

BRANDY 2
736 (8)
(13N X 6E)

BRANDY 3
737 (8)
(13N X 6E)

BRANDY 4
738 (8)
(15S X 4E)

BRANDY VA
1952 (6)

THUMPER 3
842 (2)
(8N X 4E)

THUMPER 4

T. BREW

Nov 20/88

Nov 20/88

Nov 20/88

Nov 20/88

April 21/88

April 21/88

BRANDY
746 (8)
(14N X 3E)

PROJECT NO:

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 6-1209/P2

ATTENTION: J. CUTTLE/L. DEMCZUK

(604)980-5814 OR (604)988-4524

* TYPE ROCK GEOCHEM * DATE: DEC 1, 1986

(VALUES IN PPM)	AS	AS	CU	NI	PB	ZN	AU-PPB
B6DJC-001	13.2	0.38	13	3	16	9	13
B6DJC-002	74.8	2.1	55720	5.5%	32	64	1150 0.033
B6DJC-003	2.6	25	678	16	20	69	17
B6DLB-001	2.3	1	678	3	8	17	15
B6DLB-002	1.5	1	421	1	20	40	6
B6DLB-003	1.1	1	110	3	12	7	5
B6DLB-004	1.0	14	20	13	24	68	12
B6DLB-005	1.6	1	24	7	14	31	52
B6DLB-006	7.0	0.20	7684	0.7%	20	53	42

ACME ANALYTICAL LABORATORIES

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE 253-3158

DATA LINE 251-1011

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 NH FE CA P LA MG BA TI B W AND LIMITED FOR NA & K. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: Rock Chips AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: MAY 19 1987

DATE REPORT MAILED:

May 22/87

ASSAYER.....

D. Toye

DEAN TOYE, CERTIFIED B.C. ASSAYER

LES DEMCZUK

File # 87-1316

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	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
87-DL-04	6	6956	1951	54219	8.3	13	27	614	5.52	2	5	ND	1	9	440	5	6	15	.44	.019	2	9	.63	63	.05	2	.80	.01	.14	95	893
87-DL-06	1	138	14	228	.2	16	19	869	3.61	5	5	ND	5	41	1	2	2	45	1.58	.085	4	9	1.93	27	.13	2	1.94	.04	.06	1	1
87-DL-10	11	171	12	63	.6	3	11	2374	3.76	6	5	ND	3	109	1	2	4	16	19.25	.016	2	1	.91	27	.02	2	.96	.04	.05	1	105

6% .2% 5.4%

Zn saturated at 20,000 ppm

ACME ANALYTICAL LABORATORIES

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE 253-3158

DATA LINE 251-1011

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: SOILS/ROCKS AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JULY 22 1987

DATE REPORT MAILED:

July 27/87

ASSAYER: *D. Toye*

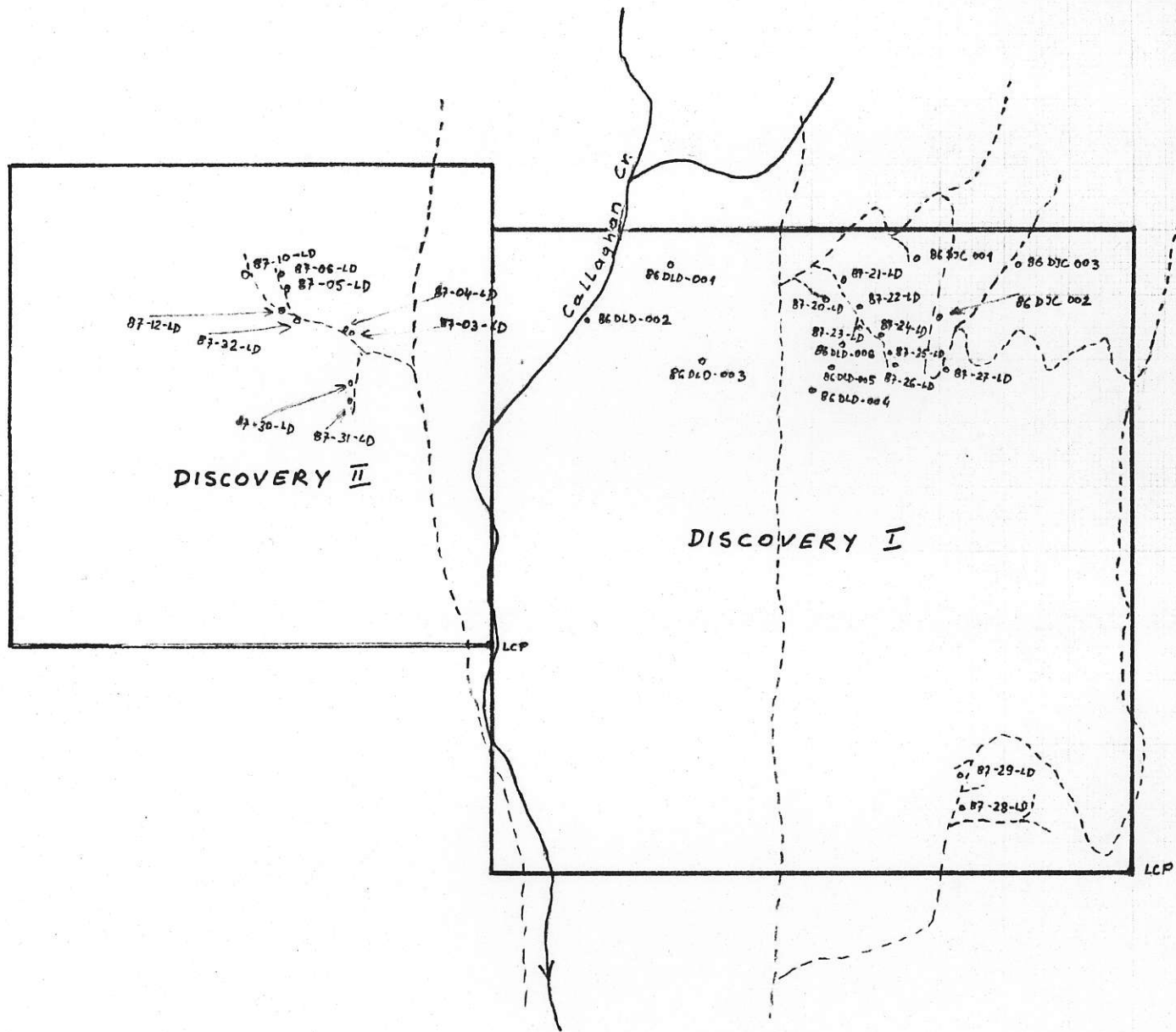
DEAN TOYE, CERTIFIED B.C. ASSAYER

LES DEMCZUK

File # 87-2629

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	AU
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
87-05-LDS	1	61	9	44	.3	26	11	296	3.94	7	5	ND	4	18	1	4	2	53	.21	.076	5	30	.78	17	.14	2	3.24	.02	.04	1	7
87-20-LD	1	46	7	94	.1	18	21	928	4.41	4	5	ND	1	79	1	2	2	69	.97	.107	2	14	2.39	53	.20	2	2.39	.02	.14	1	1
87-21-LD	1	49	7	100	.1	7	10	845	2.89	3	5	ND	4	7	1	2	2	14	.15	.066	8	8	.60	64	.01	2	.99	.03	.11	1	3
87-22-LD	1	305	2	70	.2	5	11	636	3.09	6	5	ND	3	14	1	2	2	16	.35	.064	7	6	1.01	58	.04	2	1.37	.03	.12	1	2
87-23-LD	1	4679	3	100	3.5	9	11	541	2.80	4	5	ND	1	39	1	3	2	20	.45	.069	4	10	1.14	34	.10	2	1.28	.03	.07	1	1
87-24-LD	5	216	2	65	.1	5	10	1694	2.38	6	5	ND	2	8	1	2	2	26	.18	.036	6	1	.91	45	.01	3	1.19	.01	.06	1	1
87-25-LD	1	70	4	53	.1	5	7	474	1.58	3	5	ND	3	22	1	2	2	11	.34	.064	5	5	.72	81	.01	2	.87	.02	.17	1	1
87-26-LD	1	96	3	81	.3	3	7	1073	2.06	2	5	ND	3	90	1	2	2	22	1.01	.057	5	5	.95	56	.02	2	1.20	.01	.11	1	1
87-27-LD	1	15	2	9	.1	1	2	113	.59	4	5	ND	7	15	1	2	2	5	.15	.018	3	3	.18	26	.03	2	.31	.03	.08	2	1
87-28-LD	1	25	4	83	.1	11	10	893	2.98	4	5	ND	2	52	1	2	2	20	1.59	.054	7	4	1.46	51	.01	2	1.36	.01	.10	1	1
87-29-LD	1	104	2	91	.2	7	17	834	3.15	2	5	ND	2	35	1	2	2	46	.58	.063	3	18	1.91	57	.10	2	1.60	.02	.09	1	2
87-30-LD	1	25	7	146	.1	10	13	715	2.97	2	7	ND	1	22	1	2	2	25	.34	.074	3	14	1.61	34	.07	2	1.53	.02	.06	1	1
87-31-LD	1	21	6	71	.1	41	22	715	4.01	6	8	ND	1	23	1	2	2	48	1.12	.048	2	46	3.41	24	.10	2	2.98	.01	.05	1	1
87-32-LD	1	311	3	73	.3	10	12	820	3.68	6	5	ND	1	25	1	2	2	16	2.79	.053	2	6	1.05	33	.06	2	1.14	.01	.08	1	1
87-DL-03	8	1816	806	21896	4.3	18	25	1083	4.79	11	5	ND	1	18	183	2	2	21	.70	.028	2	17	1.14	55	.10	2	1.23	.01	.11	1	265
87-DL-05	1	10	3	100	.3	7	9	571	2.01	6	5	ND	1	40	1	2	2	10	.89	.077	3	6	1.12	47	.05	2	1.15	.01	.08	1	1
87-DL-12	1	241	10	205	.6	11	9	1801	2.55	10	5	ND	1	75	1	2	2	10	7.76	.074	3	5	1.26	24	.05	2	1.36	.12	.11	1	55
STD C/AU-R	19	61	39	132	7.3	71	29	953	3.88	40	18	8	39	51	19	17	22	59	.48	.092	39	59	.87	180	.08	34	1.69	.06	.14	12	495

Handwritten note:
Handwritten in whole →



o Rock Sample Location

0 200 400 600 800 1000 [m]