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ROBERT C. HEIM, Ph. D., P. Eng.
MINE GEOLOGY
EXPLORATION

740 HANDSWORTH ROAD
NORTH VANCOUVER, B.C., CANADA V7R 2A1
TELEPHONE: (604) 987-2337

GEOCHEMICAL SURVEY

HOBO-2 CLAIM

KAMLOOPS M.D.

51°43.5'N, 120°17.5'W
NTS 92P/9W

Owner and Operator:

Robert C. Heim
740, Handsworth Road
North Vancouver, B.C.
V7R 2A1

Report Prepared by:
R.C.Heim, Ph.D., P.Eng.

FILMED

August 26, 1987.

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

16,205

ROBO - 2 CLAIM
GEOCHEMICAL SURVEY

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A Geochemical Assays

1. INTRODUCTION

The Robo Mineral Claim Group is situated in the Kamloops Mining Division, 19 kilometers west-northwest of the small town of Clearwater. Clearwater is 100 kilometers north of Kamloops. The centre of the Claim Group is at 51°43'N and 120°17.5'W, NTS 92P/9W. The Claim Group consists of the following Mineral Claims:

Robo-1 - Record No 6244 - Expiry Date 29 May, 1989
Robo-2 - Record No 6699 - Expiry Date 21 July, 1987
Robo-3 - Record No 6700 - Expiry Date 21 July, 1987

See Index Map, Figure 1.

The topography in the general area is moderate to steep; the vegetation is moderate to heavy, with much windfall, especially on east facing slopes. There has been extensive logging in the area; a network of logging roads permits access to the property by two wheel drive vehicle. Approximately half of the Robo Claim Group is covered with new plantation, together with up to 3½ meters high alder.

The interest in the area covered by the Robo Claim Group is based on the presence of angular to semi-angular float of massive arsenopyrite, samples of which have assayed up to 6420 ppb gold (0.19 oz/ton gold) Elsewhere on the Robo-1 Claim, float of a siliceous skarn contains lead-zinc-silver mineralization.

The only previously published report on the property is Assessment Report No. 14931, which describes a Geochemical and Geophysical (VLF-EM) Survey done on Robo-1 in 1985 by Robert G. Heim. This survey found anomalous arsenic and gold values in soils in the western part of the Robo-1 Claim. In 1986, the Robo-2 and Robo-3 Claims were added to the property, and in 1987 two reconnaissance lines of soil sampling were completed, with the objective of closing off the geochemical anomaly in a northerly (up-ice) direction. This reconnaissance soil survey is the subject of this report.

CANADA

1:50 000

120° 20'

55

56

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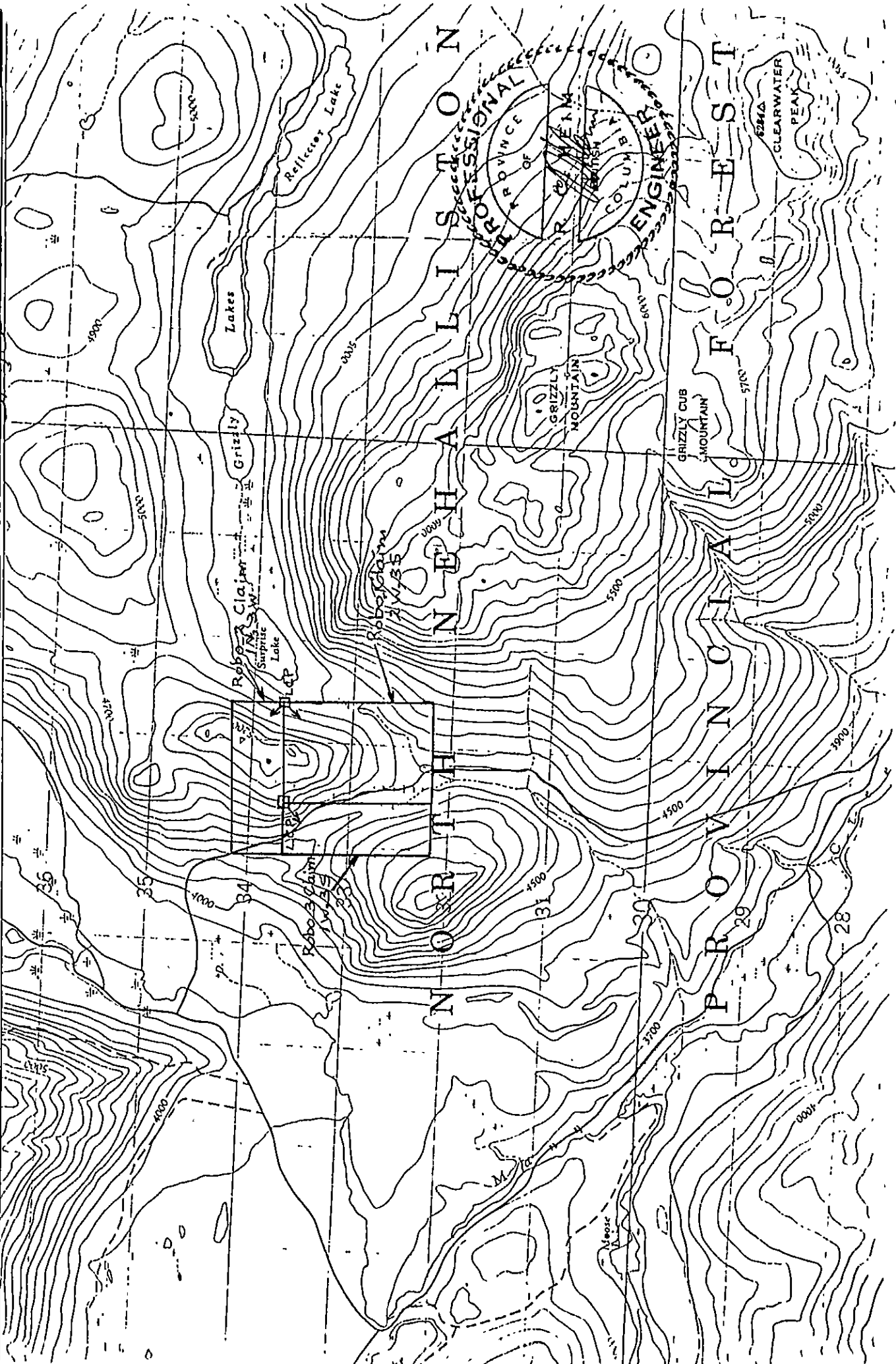
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NORTH FORK OF OKANOGAN RIVER
 BRITISH COLUMBIA
 PROFESSIONAL ENGINEER

2. SOIL SURVEY

2.1 Field and Assay Procedures.

The grid for the 1985 soil survey consisted of 16 E-W lines, 1000 meters long, at intervals of 100 meters. The grid covered the entire area of the Robo-1 Claim, which measures 1000 meters in the E-W direction and 1500 meters in the N-S direction. The lines were numbered 0+00N to 15+00N and soil samples were taken at 50 meter intervals along the lines. See Figure 2 - Soil Geochemistry.

For the present survey, lines 17+00N and 20+00N were established as an addition to the previous grid. Soil samples were taken at 50 m. intervals from the western boundary of the Robo-2 Claim, (15+00W) to the height of land, which on line 17+00N lies at 6+50W and on line 20+00N at 5+00W. A total of 39 soil samples were taken. See Figure 2 - Soil Geochemistry.

The lines were established with compass and topofil. Abundant topographic detail, visible on an enlarged aerial photograph, provided excellent control. The soil sample locations were marked with pink flagging.

The soil development along lines 17+00N and 20+00N is generally excellent. A pronounced light grey to white A₀ horizon is up to 25 centimeters thick, with a sharp change to a light brown to dark reddish brown B horizon. All soil samples were taken with a mattock from the B horizon. The samples were placed into high wet strength Kraft soil envelopes. They were assayed by Acme Laboratories Ltd. of Vancouver by the I.C.P. method for 30 elements and for gold by AA. These are modern standard procedures well described in the literature. Details of the sample preparation and assay methods can be found on the Assay Sheets. See Appendix A.

The assay results for arsenic and gold were plotted on a 1:5000 scale map, Figure 1. The locations of the 1985 Soil samples anomalous in arsenic and/or gold were also marked on Figure 1.

2.2 Discussion of Results

As was the case for the 1985 Soil Survey, (see Assessment Report No. 14931), values for arsenic of 15 ppm and over, and values for gold of 8 ppb and over were considered anomalous.

The 1985 Soil survey showed that soils in the western part of Robo-1 are strongly anomalous in arsenic and also somewhat anomalous in gold. The arsenopyrite float was found within the anomalous area. Nearly all the anomalous soils were to the west of the height of land. The 1987 survey produced two soil samples anomalous in arsenic, both on line with the 1985 anomalous area.

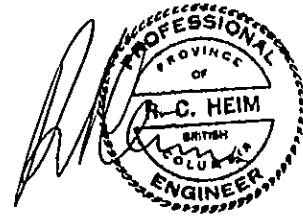
If the float and the soil anomalies were transported from their origin by glacial movement, then the area of provenance may be to the north of Robo-2. The arsenic anomaly, however, is weaker on Robo-2 than it was on Robo-1. This may indicate that the float originates on, or close to the Robo Group.

3. RECOMMENDATIONS

The arsenic-gold soil anomaly should be further defined by additional soil sampling on Robo-2 and Robo-3. More ground should be acquired to the north.

4. ITEMIZED COST STATEMENT

Soil sampling, 4 man days at \$100.00/day	\$400.00
Room and board, 4 man days at \$40.00/day	160.00
Transportation, 1200Km at \$0.10/km	120.00
Assays, 39 samples at \$11.00/Sample	429.00
Report, 1 day	300.00
	<hr/>
	\$1409.00

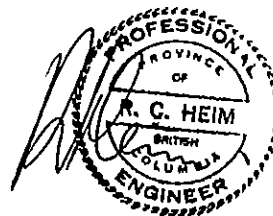


5. AUTHOR'S QUALIFICATIONS

I, Robert C. Heim of North Vancouver, B.C., hereby certify the following:

1. I am a geologist residing and with an office at 740 Handsworth Road, North Vancouver, B.C.
2. I have a Ph.D. Degree in Geology (1952) from the University of Utrecht, Holland.
3. I have practised my profession since 1952, and have been an independent consultant since 1984.
4. I am a member of the Association of Professional Engineers of British Columbia and Ontario.
5. This report is based on the geochemical survey that I have carried out on the Robo-2 Claim on July 11 and 12, 1987.

Dated at North Vancouver, B.C. this 26th day of August 1987.



APPENDIX A

GEOCHEMICAL ASSAYS

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH JML 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 AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOILS AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JULY 19 1987

DATE REPORT MAILED:

July 30/87

ASSAYER: *D. Toye*

DEAN TOYE, CERTIFIED B.C. ASSAYER

R.C. HEIM

File # 87-2547

Page 1

SAMPLE#	NO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SP	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	N	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
20+00N 15+00W	1	7	3	32	.1	4	5	171	1.60	3	5	ND	4	9	1	2	2	33	.13	.072	14	14	.11	50	.08	2	.87	.02	.03	2	3
20+00N 14+50W	1	9	4	38	.1	9	5	134	1.94	2	5	ND	4	9	1	2	2	44	.18	.094	13	16	.19	67	.10	2	1.20	.02	.03	1	13
20+00N 14+00W	1	13	7	48	.1	12	7	107	2.37	4	5	ND	4	15	1	2	2	53	.27	.093	12	21	.26	68	.12	2	1.25	.03	.03	1	22
20+00N 13+50W	1	14	8	41	.1	14	8	188	2.50	3	5	ND	10	27	1	2	2	49	.30	.068	30	19	.34	112	.12	2	1.73	.02	.08	2	3
20+00N 13+00W	1	10	12	42	.1	7	5	85	2.84	6	5	ND	8	18	1	2	2	63	.18	.286	13	23	.18	77	.15	5	2.26	.02	.03	1	1
20+00N 12+50W	1	9	5	28	.1	7	4	73	1.71	2	5	ND	3	10	1	2	2	44	.17	.039	10	15	.16	53	.14	2	1.17	.02	.03	1	1
20+00N 12+00W	1	23	11	44	.2	15	8	148	2.24	4	5	ND	4	14	1	2	2	52	.22	.030	13	21	.39	85	.17	2	2.09	.03	.07	1	4
20+00N 11+50W	1	20	10	35	.1	12	6	118	2.29	3	5	ND	3	13	1	2	2	56	.25	.043	12	22	.30	70	.13	2	1.78	.03	.03	2	1
20+00N 11+00W	1	12	8	32	.1	8	4	120	1.64	2	5	ND	5	15	1	2	2	34	.22	.029	19	17	.23	61	.13	2	1.24	.03	.05	1	1
20+00N 10+50W	1	6	7	27	.1	7	3	113	1.49	2	5	ND	7	14	1	2	2	29	.18	.023	28	13	.21	43	.09	2	.89	.02	.04	1	1
20+00N 10+00W	1	78	14	58	.1	30	13	230	3.15	42	5	ND	8	33	1	2	2	52	.38	.034	19	41	.93	104	.15	2	2.60	.02	.11	1	2
20+00N 9+50W	1	13	11	48	.1	7	4	127	2.33	6	5	ND	5	13	1	2	2	46	.18	.045	18	20	.27	58	.17	2	1.08	.02	.05	2	8
20+00N 9+00W	1	11	13	33	.1	6	4	106	2.31	2	5	ND	8	13	1	2	2	44	.20	.048	21	17	.17	58	.12	2	1.94	.02	.03	1	2
20+00N 8+50W	1	13	14	41	.1	10	5	111	2.55	2	5	ND	10	8	1	2	2	48	.10	.090	19	22	.23	46	.16	3	2.91	.02	.03	1	1
20+00N 8+00W	1	13	18	44	.2	10	4	112	2.94	3	5	ND	7	7	1	2	2	62	.12	.181	11	25	.16	39	.18	2	2.45	.02	.03	1	1
20+00N 7+50W	1	15	10	45	.1	9	5	90	3.19	2	5	ND	7	9	1	2	2	62	.14	.143	15	31	.22	53	.16	2	2.89	.02	.03	1	4
20+00N 7+00W	1	16	6	34	.1	9	5	158	2.32	2	5	ND	9	17	1	2	2	46	.34	.020	20	21	.30	76	.17	2	1.08	.02	.05	1	1
20+00N 6+50W	2	10	4	38	.2	8	4	99	2.33	2	5	ND	4	12	1	2	2	59	.24	.025	11	19	.22	56	.21	4	.83	.02	.04	1	1
20+00N 6+00W	3	67	17	104	.3	43	17	436	3.19	5	5	ND	11	15	1	2	3	62	.34	.057	28	33	.48	77	.21	4	3.69	.03	.06	1	1
20+00N 5+50W	1	25	14	49	.1	16	7	121	3.02	4	5	ND	4	10	1	3	2	63	.15	.134	8	26	.30	54	.18	3	1.65	.02	.03	1	1
20+00N 5+00W	2	11	15	56	.3	7	5	183	3.53	4	5	ND	10	11	1	2	2	63	.12	.149	16	28	.21	60	.17	5	3.19	.02	.03	1	2
17+00N 15+00W	1	17	6	26	.1	10	6	168	2.84	2	5	ND	10	18	1	2	2	60	.24	.093	33	24	.28	55	.08	2	1.14	.02	.03	1	1
17+00N 14+50W	1	11	9	27	.1	7	5	79	1.94	2	5	ND	4	6	1	2	2	45	.13	.066	9	13	.10	50	.15	2	1.74	.02	.03	1	1
17+00N 14+00W	1	12	7	27	.1	8	4	67	1.94	3	5	ND	4	9	1	2	2	39	.16	.092	12	15	.12	42	.13	2	1.87	.02	.02	1	1
17+00N 13+50W	1	27	4	28	.2	15	8	101	2.09	3	5	ND	5	10	1	2	2	49	.19	.064	17	18	.26	59	.12	2	1.89	.03	.04	1	2
17+00N 13+00W	1	11	2	23	.2	9	5	92	1.68	3	5	ND	6	7	1	2	3	41	.18	.037	12	14	.22	37	.11	4	1.00	.03	.03	1	5
17+00N 12+50W	1	12	4	24	.2	9	5	100	1.84	3	5	ND	9	6	1	2	2	42	.17	.023	14	16	.23	31	.11	4	1.20	.02	.03	1	5
17+00N 12+00W	1	14	8	37	.1	11	5	109	2.05	4	5	ND	4	7	1	2	3	44	.18	.049	13	20	.24	37	.12	5	1.64	.02	.03	1	4
17+00N 11+50W	1	2	2	17	.3	3	1	42	1.06	2	13	ND	4	6	1	2	3	23	.09	.032	7	8	.06	33	.09	2	.65	.02	.04	1	3
17+00N 11+00W	1	15	8	47	.1	12	6	199	2.58	5	5	ND	14	13	1	2	2	44	.20	.067	26	21	.31	82	.13	6	2.01	.02	.09	4	1
17+00N 10+50W	1	8	10	44	.1	5	4	115	2.13	7	5	ND	6	10	1	2	2	38	.19	.044	21	16	.20	51	.15	5	1.34	.02	.03	1	1
17+00N 10+00W	2	28	10	58	.1	21	7	221	2.48	131	5	ND	7	12	1	2	3	48	.35	.027	30	20	.38	97	.14	3	2.22	.02	.07	1	1
17+00N 9+50W	2	11	6	50	.2	10	5	131	2.42	12	6	ND	6	7	1	2	2	42	.11	.047	15	17	.22	53	.14	3	1.89	.02	.04	2	8
17+00N 9+00W	2	11	9	61	.1	9	7	210	2.88	6	5	ND	11	8	1	2	2	46	.14	.119	15	23	.21	69	.14	8	2.36	.02	.04	1	1
17+00N 8+50W	2	11	7	36	.2	10	5	108	2.71	4	6	ND	5	5	1	2	3	48	.08	.075	8	18	.15	57	.17	4	3.01	.02	.03	1	1
17+00N 8+00W	1	13	3	25	.1	10	4	115	1.84	2	5	ND	9	7	1	2	2	32	.09	.047	18	17	.22	37	.08	2	1.60	.01	.03	1	2
STD C/AU-S	20	59	39	133	7.1	64	28	920	3.95	39	15	7	33	48	17	16	23	54	.47	.083	38	56	.87	174	.08	36	1.83	.07	.14	12	49

R.C. HEIM FILE # 87-2547

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	HG	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
17+00N 7+50W	2	12	18	25	.1	8	3	64	2.53	4	5	ND	11	5	1	2	3	52	.06	.087	11	23	.12	60	.16	2	3.46	.02	.02	1	9
17+00N 7+00W	3	24	2	52	.1	13	4	102	2.67	4	5	ND	8	7	1	4	2	49	.08	.146	12	27	.28	53	.20	2	4.31	.02	.04	1	5
17+00N 6+50W	1	41	10	54	.3	15	9	154	2.78	7	5	ND	13	9	1	2	2	64	.10	.078	18	28	.48	61	.22	2	3.48	.02	.05	1	2

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

16,205

Contour interval:
100 feet

1:50,000

LEGEND

- - - - - 1985 SOIL SAMPLES
- — — — — 1987 SOIL SAMPLES
- As \geq 15 ppm
- ⬡ Au \geq 8 ppb
- ▲ FLOAT - MASSIVE, GOLDBEARING ARSENOPYRITE
- ROAD
- - - - - CLAIM BOUNDARY



100m 50m 0 100m 200m 300m

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MINE GEOLOGY, EXPLORATION

ROBO - 2 CLAIM
SOIL GEOCHEMISTRY

Ag, As (ppm), Au (ppb)

DRAWN BY: RCH

SCALE 1:5000

FIGURE No 2

26 AUGUST, 1987

