GEOLOGICAL AND GEOCHEMICAL REPORT

ON THE

LEMON No. 11 & 16 CLAIMS

OF THE

TARGA CLAIM GROUP

PRINCETON AREA
SIMILKAMEEN MINING DIVISION
BRITISH COLUMBIA

Latitude 49° 17 N
Longitude 120° 33 W

N.T.S. 92H/7E, 92H/8W

by

S.T.Bishop

for
Similco Mines Limited

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SUMMARY

This report reviews the geology and mineral potential of the Lemon Nos. 11 and 16 claims, 2 of the 33 claim units which constitute the Targa Group. The property lies approximately 4 kilometers south of the open pit Copper Mountain Mine near Princeton, British Columbia.

In October, 1990 an exploration program consisting of geological mapping, rock sampling and a soil geochemical survey was completed over the two claim units. These claims straddle the contact between the Copper Mountain diorite stock and volcanic rocks of the Nicola Group, a favorable geologic setting for copper porphyry style mineralization.

Geologic mapping confirmed the presence of the contact, but failed to locate any evidence of copper mineralization. Soil geochemical results outline a weak copper anomaly of no appreciable extent.

Based on the poor results of geochemistry and the geologic evidence determined by the mapping, no further work is recommended on this portion of the property.

INTRODUCTION

In October of 1990 the writer conducted a field examination of the Lemon No. 11 and 16 claims, two claim units that lie within the Targa Group. The program included geological mapping, rock sampling and a soil geochemical survey. This report describes the results of the surveys and summarizes the work previously completed on the property.

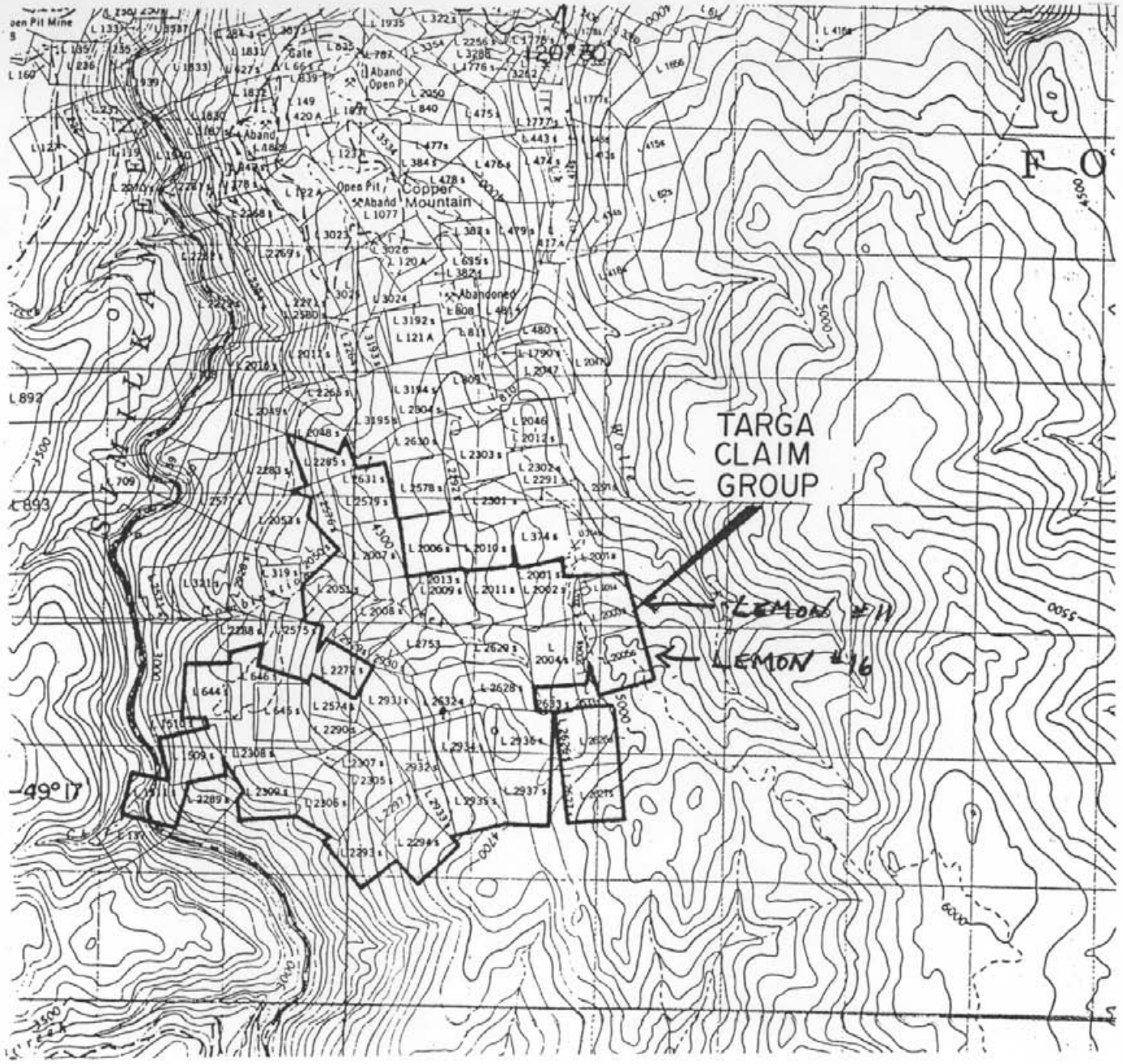
LOCATION, ACCESS AND TOPOGRAPHY

The property is located on the ~~west~~ east side of the Similkameen River, approximately 19 km south of the town of Princeton, B.C. and is 4 km south of the open pit Copper Mountain Mine operated by Similco Mines Ltd., a wholly owned subsidiary of Princeton Mining Corporation.

The claims are located on N.T.S. maps 92H/7E and 8W at latitude 49° 17' N and longitude 120° 31' W (Figure 1).

Access to the property is gained by travelling the paved Copper Mountain road to its junction with the graded gravel Wolfe Creek-Belgie Creek Forestry Road. At the four kilometre mark there is a rough, 4 wheel drive road which provides access to most of the claims. The Lemon 11 and 16 claims are located along the main forestry road at its junction with the 4X4 road.

The entire property lies below treeline. Relief is moderate throughout the claim group with steeper slopes and rugged cliffs bordering the Similkameen River. Elevation ranges from 5000' a.s.l. along the edge of Wolfe Creek and drops down to 2800' a.s.l. at the river.



Km 0 1.0 2.0 Km

SIMILCO MINES LTD.

TARGA CLAIM GROUP

LOCATION MAP

SIMILKAMEEN, M.D., B.C.

DRAWN: S.B./J.W.	N.T.S. 92H-7E, 8W	FIG. 1
SCALE: 1:50,000	DATE: JUNE, 1990	

PROPERTY AND OWNERSHIP

The Targa group consists of 33 single unit or fractional claims. All of these claims are reverted Crown Grants and are 100% owned by Similco Mines Ltd. Upon acceptance of this report the claims are in good standing until the expiry dates listed below. Particulars are as follows:

NAME	RECORD NO.	EXPIRY DATE
Periscope Fr.	2532	02/17/92
Spruce No. 1	2591	04/11/92
Skagit No. 3 Fr.	2772	11/26/91
Skagit No.1 Fr.	2777	11/26/91
Lemon No. 15	2530	02/17/92
Lemon No. 16	2589	04/11/92
Lemon No. 11	2588	04/11/92
Good Cheer	2587	04/11/92
Lemon No. 9	2646	08/01/91
Tessie	2648	08/01/91
Upsilon	2648	08/01/91
Benard	2645	08/01/91
Lemon No. 7	2643	08/01/91
H.P. Fr.	2649	08/01/91
Fraser No.1	2644	08/01/91
Grey Rock	2649	08/01/91
Silver No. 1 Fr.	2647	08/01/91
Pearce No. 3	2650	08/01/91
Michigan	2647	08/01/91
Queen Alexandra	2534	02/17/92
Columbia #1 Fr.	2533	02/17/92
Alder Fr.	2532	02/17/92
Snake #1 Fr.	2533	02/17/92
Blue Bird	2531	02/17/92
Mother Lode	2531	02/17/92
Johnson	2776	11/27/91
Smugler	2775	11/27/91
Enterprise	2774	11/27/91
St. Louis Fr.	2773	11/27/91
Reco	2770	11/26/91
Hercules	2771	11/26/91
Balsam No. 1	2590	04/11/92
Live Oak #1	2396	06/12/91
Alder #1	2397	06/12/91
Seattle	2398	06/12/92
Pen Mar	2399	06/12/92
Edna	2400	06/12/92
Tacoma	2401	06/12/92

CONTINUED ON NEXT PAGE.....

Snoqualmie	2402	06/12/91
Willow #1	2403	06/12/91
Burr Oak #1	2404	06/12/91
Dogwood #1	2405	06/12/91
Poplar #1	2406	06/12/91
Summit Fr.	2406	06/12/91

HISTORY AND PREVIOUS WORK

The Copper Mountain area has a history of exploration documented as far back as the mid 1800's with the discovery of placer gold in the Similkameen River. The large porphyry copper deposits of the Copper Mountain area were first discovered in 1884 but did not enter into production until 1925.

To date, the Copper Mountain camp has produced over 740,000 tons of copper, 600,000 ounces of gold and 8,100,000 ounces of silver.

The ground covered by the Targa group of claims has been explored intermittently since the turn of the century. Several small trenches, tunnels and a caved shaft are evidence of these previous exploration efforts.

More recent work on the claim group includes geological mapping, geochemical and ground geophysical surveys and minor amounts of both diamond and percussion drilling. This work was completed between 1965 and 1986 by various companies including Noranda, Newmont and Targas Resources.

Comprehensive mining histories of the Copper Mountain camp are provided by V. Dolmage (1934), K.C. Fahrni (1951), V.A.C. Preto (1972) and Fahrni et al (1976).

REGIONAL GEOLOGY

The Copper Mountain area is underlain primarily by two related lithologies, the Nicola Group and the Copper Mountain Intrusions, both of which are Triassic in age.

The Nicola Group is comprised predominately of andesitic flows, pillow lavas, volcanic breccias, tuffs and agglomerates with associated siltstones and argillites. Isolated bodies of limestone occur within the group.

Copper Mountain Intrusions are represented both by the Copper Mountain stock and the Lost Horse Intrusions, each of which have intruded into the Nicola rocks.

The Copper Mountain stock is a concentrically zoned pluton which grades from a syenitic core to an outer dioritic shell with associated gabbroic differentiates.

Lost Horse intrusives consist of a highly variable complex which ranges in composition from syenite to diorite. They occur as irregular masses, sills and dykes.

The youngest rocks observed in the area are the Tertiary aged Princeton Group, comprised of mafic volcanics, shales, sandstones and conglomerates.

Nicola Group strata in the area are generally flat lying or gently dipping. Some northerly trending folds, which decrease in amplitude up and down section, have been described by Preto (1973) and Fahrni (1966).

Regional structure is dominated by well developed, northerly trending, high angle faults. One such of these, the "Boundary Fault" truncates the Copper Mountain stock. Other faulting is commonly east-west, northeasterly or northwesterly trending.

Mineralization in the Copper Mountain mining camp is seen as stockworks, fracture controlled and disseminations of chalcopyrite, pyrite and locally bornite hosted in the Nicola volcanics or Lost Horse intrusives.

GEOLOGY AND MINERALIZATION OF THE LEMON NO. 11 & 16 CLAIMS

To maintain consistency with previous maps completed in the area, the legend from Preto's 1968 'Geology of Copper Mountain' map was adopted for the mapping conducted on the Lemon claims.

Four distinct units were mapped (Figure 2): felsite dykes, hornblende-plagioclase porphyry dykes, Copper Mountain intrusives and Nicola Group volcanic rocks. The felsite dyke is post Lower Cretaceous in age, the other lithologies are Upper Triassic.

Copper Mountain intrusives dominate the northern grid area, typified by massive outcrops of medium grained diorite. They vary in composition from diorite to monzodiorite.

The southern grid area is underlain by massive andesites, andesitic tuffs or volcanic siltstones of the Nicola Group.

The contact between these two main units trends east-west through the center of the map area. It is marked by a hybrid zone, approximately 200 metres in width, composed of andesites, microdiorites, diorites and monzodiorites. The lithologies in this area are difficult to distinguish.

A northerly trending, hornblende-plagioclase porphyry dyke outcrops sporadically through the center of the map area. This unit is probably genetically related to the Copper Mountain stock.

A single felsite dyke was mapped in a road cut in the western grid area. This dyke is similar to the felsite "mine dykes" that are common at the Copper Mountain mine site. The dyke strikes northerly, reflecting the regional dyke trend.

Other than a trace of malachite noted in an outcrop of andesite at the east edge of the grid, the area mapped did not exhibit any sign of copper mineralization on surface. Pyrite was the only sulphide observed locally disseminated in the volcanics.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,478

L 1050 N
L 950 N
L 850 N
L 750 N
L 650 N
L 550 N

1900 E
2000 E
2100 E
2200 E
2300 E
2400 E

6
2e
2-6
14
2d
2a
10
2e

chlorite alteration minor pyrite
TS-24: Ø
trace pyrite
trace azurite and pyrite
1% disseminated pyrite
TS-23
0.03
70°
80°
variably foliated

HYBRID ZONE
Mixed andesite, diorite, monzodiorite and microdiorite

WOLFE CREEK - BELGIE CREEK FORESTRY ROAD

N

LEGEND

- 14 FELSITE DYKE
- 10 HORNBLENDE PLAGIOCLASE PORPHYRY DYKE
- 6 DIORITE (MONZODIORITE)
- 2 NICOLA GROUP VOLCANICS
  - 2a massive andesite
  - 2d andesitic tuffs, volcanic siltstone
  - 2e undifferentiated

area of rock exposure
foliation
joint
geologic contact: located; inferred
TS 23: 0.03
rock sample: Cu % location

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TARGA CLAIM GROUP

GEOLOGY

ROCK SAMPLE LOCATION WITH CU % GEOCHEMISTRY

SIMILKAMEEN MD., B.C.

DRAWN BY: S B	N.T.S. 92P/15 W	FIG.
SCALE 1:2500	DATE: OCT 1990	

1990 EXPLORATION WORK AND METHODS EMPLOYED

In mid October 1990, an exploration program was conducted on the Lemon 11 & 16 claims, which lie along the far eastern edge of the claim group (Figure 1). The aim of the program was to evaluate the potential of the claims hosting copper-gold porphyry type mineralization.

The grid established in 1986 by Shangri-la over the majority of the claim group was expanded to cover the eastern extent of the claims. In addition, the portion of the preexisting grid lying on the Lemon claims was reflagged as it was beginning to deteriorate.

The lines were surveyed by compass, flagged and measured with a hipchain. The lines, spaced 100 meters apart, are linked by a tieline at 2000 E.

Geological mapping was completed at a 1:2500 scale (Figure 2). Rock samples were taken in areas considered most favorable of hosting mineralization. Sample descriptions are included in the following section.

Soil samples were collected at 25 meter intervals along the lines. Flags were marked and left at sample stations. A mattock was employed to collect samples of B horizon soil at a depth ranging between 5 and 30 centimeters below surface. All samples were placed in Kraft paper bags and marked with the appropriate grid coordinates.

A total of 2 rock and 126 soil samples were shipped to ACME Laboratory in Vancouver, B.C. for analysis. All samples were analyzed for 30 elements by ICP methods and for gold by atomic absorption. Geochemical results and a brief description of the analytical methods employed are presented in Appendix I.

RESULTS AND GEOCHEMISTRY

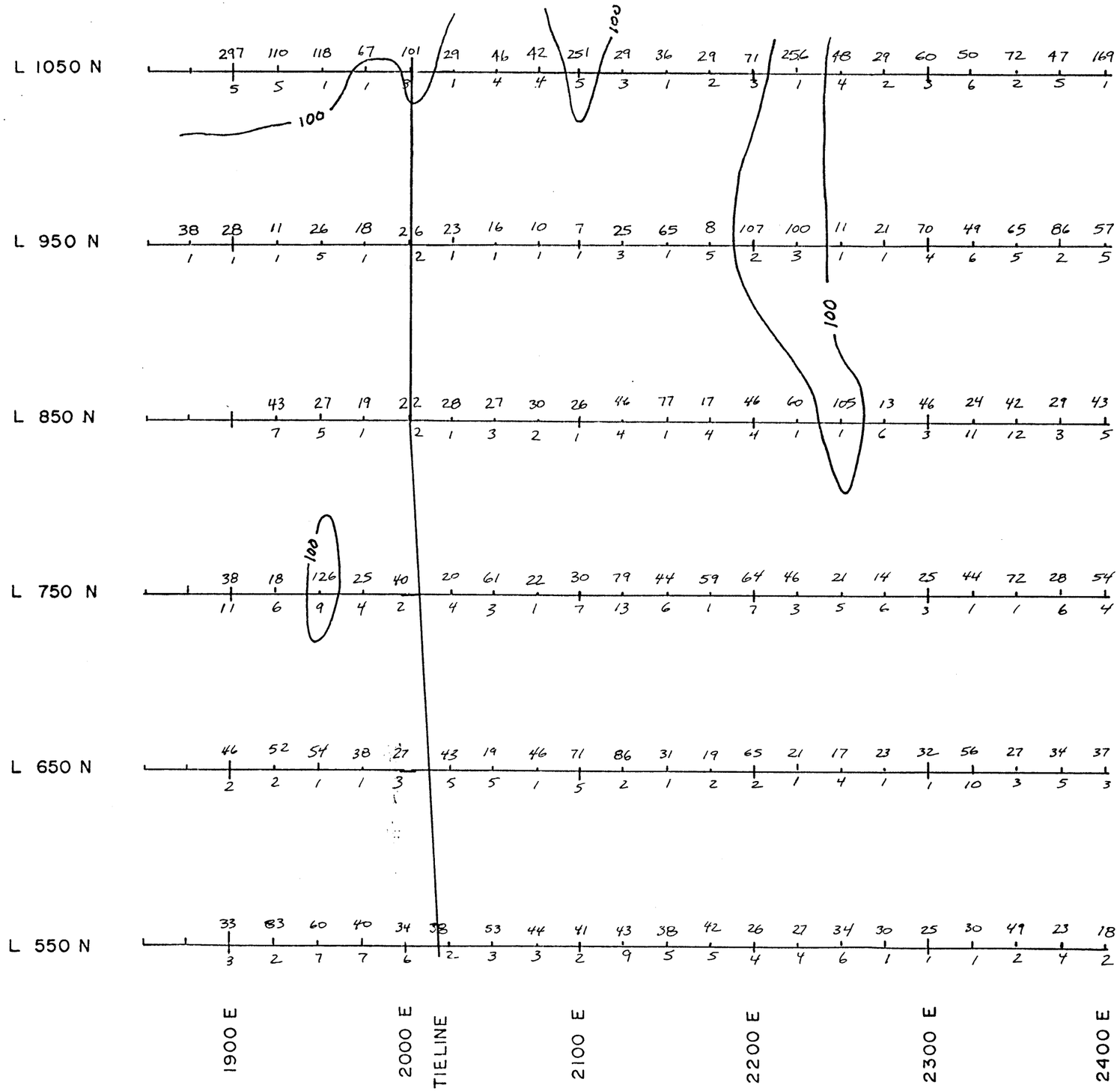
Two rock samples were collected from the grid area. The first, # TS-23, sampled the andesite immediately adjacent the felsite dyke as copper enrichments are common in the rocks adjacent dykes at the Copper Mountain mine. No sulphides were observed in this sample.

The second sample, # TS-24, was taken of a rusty andesite outcrop, where traces of pyrite were noted. Both samples were grab samples. Rock sample location with copper-gold geochemical results are presented in Figure 2. Neither sample returned values of economic significance.

Soil geochemical results are depicted in Figure 3. Of the 126 samples taken, 11 returned copper values > 100 ppm. The majority of these lie at the north edge of the grid and coincide with the diorite-andesite contact. The survey did not return any gold values of interest.

CONCLUSIONS AND RECOMMENDATIONS

The Lemon 11 & 16 claims straddle the contact between volcanic rocks of the Nicola Group and diorites-monzodiorites of the Copper Mountain intrusives. Although this is a favorable geologic setting for alkalic type copper-gold porphyry mineralization, the results of mapping and soil geochemistry do not indicate that the area hosts any significant mineralization. No further work is warranted on this portion of the claim group.



N

LEGEND

Soil sample location

43 / 7 — Cu ppm / Au ppb

100 — >100 ppm Cu contour

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TARGA CLAIM GROUP

COPPER - GOLD SOIL GEOCHEMISTRY

SIMILKAMEEN M.D., B C

DRAWN BY: S.B.	N.T.S 92P/15W	FIG
SCALE 1:2500	DATE: OCT 1990	

STATEMENT OF COSTS

SALARIES		
Geologist:	S. Bishop, October 10-12, 1990 3 days @ $200.00/day	$ 600
Assistant:	P. Ball, October 10-12, 1990 3 days @ $125.00/day	$ 375
GEOCHEMICAL ANALYSES		
2 rock samples @ $15.00/sample		$ 30
126 soil samples @ $10.00/sample		$ 1260
Shipping		$ 50
EQUIPMENT AND SUPPLIES		
Truck rental and fuel		$ 260
Sample bags, flagging, compass etc.		$ 200
ROOM AND BOARD		
7 man days @ $30.00/day		$ 210
REPORT WRITING		
S. Bishop, November 8, 1990		$ 200
DRAFTING AND WORDPROCESSING		$ 600
	TOTAL	$ 3800

STATEMENT OF QUALIFICATIONS

I, Sandra T. Bishop, of the city of Vancouver, Province of British Columbia, hereby do certify that:

1) I have been employed as a geologist by Similco Mines Ltd. since May, 1990.

2) I graduated from the University of British Columbia with a Bachelor of Science degree, Major in Geology in May, 1985.

3) I have practiced my profession since 1985 throughout Canada and the western United States of America.

4) This report is based on field work carried out and supervised by the author during the month of October, 1990.

5) I do not own any direct or indirect interest in the Targa Group of claims, nor do I expect to receive any.

Dated at Princeton, Province of British Columbia this 8th day of November, 1990.

Sandra T. Bishop, B.Sc.

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APPENDIX I

ANALYTICAL METHODS AND RESULTS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Similco Mines Ltd. PROJECT 0-401-097 File # 90-5632 Page 1

P.O. Box 520, Princeton BC V0X 1W0 Submitted by: ANDREW BERRY

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
1050N 1900E	1	297	8	105	.2	13	11	369	2.99	5	5	ND	3	49	.2	4	2	71	.38	.034	5	13	.58	61	.17	2	3.53	.03	.08	1	5
1050N 1925E	1	110	6	80	.2	8	6	291	2.63	2	5	ND	3	26	.2	4	2	58	.17	.135	4	10	.27	43	.17	3	3.35	.02	.04	1	5
1050N 1950E	1	118	7	74	.3	11	13	374	2.71	5	5	ND	3	30	.2	3	2	63	.26	.092	7	12	.40	50	.16	2	2.69	.03	.05	1	1
1050N 1975E	1	67	8	63	.4	8	6	187	1.80	2	5	ND	3	28	.2	2	2	37	.24	.114	3	8	.20	66	.11	3	1.90	.03	.06	1	1
1050N 2000E	1	101	10	70	.4	14	9	384	2.98	5	5	ND	4	41	.2	4	2	64	.26	.115	6	15	.48	119	.16	2	3.46	.02	.06	1	3
1050N 2025E	1	29	6	99	.2	14	8	543	2.07	2	5	ND	2	42	.3	3	2	44	.34	.108	3	26	.35	144	.16	3	2.69	.03	.07	1	1
1050N 2050E	1	46	6	62	.1	8	6	297	1.86	6	5	ND	3	18	.2	3	2	36	.14	.106	5	10	.22	66	.15	2	2.66	.03	.04	1	4
1050N 2075E	1	42	8	181	.5	10	8	805	2.16	2	5	ND	3	26	.8	2	2	46	.22	.098	5	9	.24	74	.13	3	2.23	.03	.07	1	4
1050N 2100E	1	251	7	78	1.0	8	10	348	2.53	9	5	ND	2	28	.2	3	2	50	.21	.083	4	9	.34	52	.14	2	1.81	.03	.04	1	5
1050N 2125E	1	29	7	88	.3	7	8	1015	2.10	2	5	ND	2	22	.2	2	2	45	.19	.092	3	8	.22	79	.12	2	1.56	.03	.05	1	3
1050N 2150E	1	36	12	107	.2	9	8	548	2.33	2	5	ND	3	33	.4	2	2	52	.28	.117	4	11	.24	73	.13	2	1.96	.03	.06	1	1
1050N 2175E	1	29	7	109	.4	8	9	497	2.07	2	5	ND	3	28	.6	2	2	42	.24	.096	4	8	.22	70	.12	2	1.69	.04	.05	1	2
1050N 2200E	2	71	4	149	.3	8	10	380	2.94	2	5	ND	3	46	.4	2	2	68	.41	.083	4	9	.62	64	.14	3	2.01	.03	.09	1	3
1050N 2225E	3	256	9	217	.8	19	9	275	3.15	3	5	ND	2	37	.4	4	2	64	.48	.021	11	13	.47	26	.15	2	3.09	.04	.05	1	1
1050N 2250E	1	48	10	167	.2	7	4	302	1.75	5	5	ND	3	17	.3	2	2	33	.22	.095	5	8	.12	41	.11	2	2.33	.03	.06	1	4
1050N 2275E	1	29	6	281	.3	9	8	740	2.08	6	5	ND	2	28	.4	2	2	44	.27	.080	3	8	.35	74	.11	2	1.60	.03	.06	1	2
1050N 2300E	1	60	10	176	.6	7	6	488	1.94	2	5	ND	3	34	.3	3	2	41	.28	.044	4	8	.28	70	.11	2	1.84	.02	.06	1	3
1050N 2325E	1	50	7	323	.5	7	6	580	1.90	6	5	ND	3	24	1.1	2	2	35	.18	.167	5	7	.25	95	.12	2	2.34	.03	.05	1	6
1050N 2350E	1	72	11	114	.5	7	6	266	1.89	2	5	ND	3	33	.6	3	2	46	.26	.108	4	8	.20	64	.10	2	1.74	.02	.05	1	2
1050N 2375E	1	47	6	286	.7	10	8	334	2.19	3	5	ND	3	33	.7	2	2	50	.27	.109	5	9	.22	61	.10	2	1.84	.02	.06	1	5
1050N 2400E	1	169	9	726	.5	10	5	328	2.13	2	5	ND	2	36	.8	3	2	41	.32	.017	7	10	.26	47	.11	2	2.01	.04	.05	1	1
550N 1900E	1	33	5	111	.1	8	6	186	2.10	2	5	ND	2	36	.3	2	3	53	.33	.116	5	9	.19	68	.11	2	1.82	.03	.06	1	3
550N 1925E	1	83	12	371	.7	12	8	680	2.68	7	5	ND	2	36	1.6	3	2	57	.31	.069	6	13	.33	92	.15	2	2.98	.03	.05	1	2
550N 1950E	1	60	12	198	.5	9	7	417	2.50	5	5	ND	4	34	.8	3	2	53	.26	.127	5	10	.28	62	.13	2	2.49	.03	.06	1	7
550N 1975E	1	40	6	91	.2	8	6	348	2.03	4	5	ND	2	34	.3	2	2	48	.27	.134	4	9	.18	75	.11	2	1.85	.02	.05	1	7
550N 2000E	1	34	7	163	.3	8	6	634	1.92	2	5	ND	3	36	1.3	2	2	45	.30	.116	5	8	.19	75	.11	2	1.84	.03	.05	1	6
550N 2025E	1	38	9	183	.3	9	6	563	2.02	2	5	ND	2	31	1.1	3	2	43	.26	.120	5	10	.20	93	.11	2	1.96	.02	.04	1	2
550N 2050E	1	53	7	190	.4	8	6	496	2.07	3	5	ND	3	34	1.1	2	2	43	.29	.153	5	10	.22	72	.11	2	2.21	.03	.05	1	3
550N 2075E	1	44	9	292	.2	9	7	860	2.29	2	5	ND	3	37	2.4	2	2	51	.31	.099	4	10	.24	74	.12	2	2.07	.03	.05	1	3
550N 2100E	1	41	8	80	.3	5	6	188	2.04	2	5	ND	2	48	.3	2	2	48	.41	.033	4	8	.24	45	.11	2	1.48	.02	.07	1	2
550N 2125E	1	43	9	130	.3	8	8	575	2.37	2	5	ND	2	54	.5	2	2	57	.44	.123	5	10	.26	74	.11	2	1.82	.02	.06	1	9
550N 2150E	1	38	11	175	.6	9	8	931	2.18	2	5	ND	3	38	.7	3	2	45	.36	.116	4	8	.23	104	.13	2	1.94	.02	.06	1	5
550N 2175E	1	42	10	143	.2	10	8	548	2.16	6	5	ND	2	46	.7	2	2	50	.40	.087	5	9	.27	90	.12	2	2.18	.02	.06	1	5
550N 2200E	1	26	7	84	.2	8	5	464	1.93	6	5	ND	3	34	.2	2	2	51	.25	.104	6	9	.15	59	.09	2	1.55	.02	.05	1	4
550N 2225E	1	27	8	140	.5	8	6	1396	1.87	2	5	ND	3	31	.3	3	2	43	.22	.098	8	10	.16	93	.10	2	2.02	.03	.06	1	4
550N 2250E	1	34	8	219	.4	9	5	333	1.74	2	5	ND	3	25	.9	2	2	37	.19	.132	5	9	.18	54	.11	2	2.45	.02	.04	1	6
STANDARD C/AU-S	18	57	38	131	6.7	71	32	1053	3.97	39	18	7	39	56	19.0	14	19	57	.46	.093	39	58	.90	183	.07	32	1.90	.06	.14	11	54

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOIL AU** ANALYSIS BY FA\ICP FROM 10 GM SAMPLE.

DATE RECEIVED: OCT 31 1990 DATE REPORT MAILED: Nov 5/90. SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
550N 2275E	1	30	11	235	.3	7	6	489	1.80	2	5	ND	1	25	.9	2	3	38	.22	.104	4	7	.19	67	.09	3	1.83	.02	.04	1	1
550N 2300E	1	25	8	130	.1	9	6	381	1.77	4	5	ND	1	17	.4	2	2	37	.14	.122	3	6	.16	62	.08	3	1.65	.02	.03	1	1
550N 2325E	2	30	8	111	.2	6	6	866	1.90	2	5	ND	1	21	.2	2	2	43	.18	.111	4	6	.17	58	.08	4	1.61	.02	.03	1	1
550N 2350E	1	49	14	230	.1	8	9	801	2.33	5	5	ND	1	36	.5	2	2	48	.42	.073	4	7	.35	61	.09	2	1.85	.02	.04	1	2
550N 2375E	1	23	8	130	.1	6	6	376	1.72	3	5	ND	1	21	.2	2	2	39	.20	.099	3	6	.15	57	.07	2	1.18	.01	.03	1	4
550N 2400E	1	18	5	134	.3	5	5	488	1.60	4	5	ND	1	17	.2	2	3	32	.14	.212	3	6	.13	59	.08	3	1.41	.02	.03	1	2

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

GEOCHEMICAL ANALYSIS CERTIFICATE

Similco Mines Ltd. PROJECT 0-401-097 File # 90-5404 Page 1

P.O. Box 520, Princeton BC V0X 1W0 Submitted by: SEFO AVAIKI

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
950N 1875E	1	38	10	83	.1	8	6	431	2.25	2	5	ND	2	34	.3	2	2	50	.27	.153	5	9	.25	84	.12	2	2.14	.03	.05	1	1
950N 1900E	1	28	5	115	.1	10	7	285	3.22	2	5	ND	2	76	.5	2	2	65	.55	.040	4	10	.97	65	.19	2	2.87	.03	.11	1	1
950N 1925E	1	11	4	71	.1	8	4	209	1.75	3	5	ND	1	41	.2	2	2	34	.42	.104	4	8	.34	53	.12	4	1.75	.04	.08	1	1
950N 1950E	1	26	7	128	.1	10	7	776	2.93	2	5	ND	2	69	.7	2	2	68	.43	.061	6	10	.64	106	.18	5	3.21	.03	.09	1	5
950N 1975E	1	18	5	229	.1	10	6	472	2.34	2	5	ND	1	38	1.6	2	2	52	.41	.074	3	12	.47	83	.16	2	2.36	.03	.04	1	1
950N 2000E	1	26	8	178	.3	10	6	269	2.20	4	5	ND	3	33	.7	2	2	48	.30	.129	5	15	.38	62	.15	2	2.44	.03	.05	1	2
950N 2025E	1	23	8	87	.1	9	6	424	2.54	6	5	ND	2	40	.4	2	2	56	.34	.114	4	9	.42	78	.18	2	2.92	.03	.06	1	1
950N 2050E	1	16	5	74	.1	6	5	527	2.07	2	5	ND	2	20	.4	2	2	45	.15	.092	4	8	.17	62	.13	2	2.36	.04	.04	1	1
950N 2075E	1	10	7	74	.1	6	4	323	1.84	2	5	ND	1	16	.3	2	2	38	.11	.091	4	8	.13	49	.13	2	2.42	.03	.02	1	1
950N 2100E	1	7	5	78	.2	5	4	301	1.88	4	6	ND	3	17	.3	2	2	40	.14	.091	4	6	.11	67	.13	2	2.28	.04	.04	1	1
950N 2125E	1	25	7	114	1.0	5	4	366	1.72	2	5	ND	3	14	.4	2	2	34	.10	.143	4	6	.11	65	.13	2	2.32	.03	.04	1	3
950N 2150E	1	65	15	135	1.3	8	11	246	2.09	2	5	ND	2	30	.6	2	2	43	.28	.151	5	8	.22	55	.14	2	2.56	.03	.04	1	1
950N 2175E	1	8	12	332	.3	4	4	940	1.60	4	5	ND	3	21	3.0	3	2	32	.21	.138	3	6	.10	127	.13	2	1.86	.03	.05	2	5
950N 2200E	1	107	10	98	.1	8	7	271	2.36	2	5	ND	1	42	.4	2	2	58	.36	.062	4	10	.34	53	.14	2	2.36	.03	.05	1	2
950N 2225E	1	100	10	296	.3	7	7	273	2.17	4	5	ND	1	42	1.4	2	2	54	.36	.077	5	9	.26	56	.12	2	1.86	.03	.04	1	3
950N 2250E	1	11	6	163	.1	5	5	540	1.81	2	5	ND	1	16	1.1	2	2	37	.14	.150	5	6	.11	61	.11	2	2.09	.04	.02	1	1
950N 2275E	1	21	8	201	.3	6	6	520	1.91	2	5	ND	1	25	1.5	2	2	40	.18	.161	4	7	.20	55	.12	2	2.20	.03	.03	1	1
950N 2300E	1	70	13	566	.9	7	7	266	2.20	5	5	ND	2	45	2.2	2	2	52	.33	.068	5	8	.26	50	.11	2	2.00	.03	.05	1	4
950N 2325E	1	49	8	465	.4	7	6	232	2.17	2	5	ND	1	43	1.2	2	2	47	.30	.153	9	8	.26	65	.11	2	2.07	.02	.04	1	6
950N 2350E	1	65	21	537	.8	6	15	370	2.00	6	5	ND	2	28	1.6	2	2	44	.21	.136	6	8	.18	52	.13	2	2.55	.03	.04	1	5
950N 2375E	1	86	20	1298	.9	7	5	226	1.99	2	5	ND	1	42	5.2	2	2	45	.38	.069	5	8	.22	34	.11	2	2.09	.03	.04	2	2
950N 2400E	1	57	8	906	.5	9	6	181	2.14	10	5	ND	3	36	1.8	2	2	43	.26	.085	6	9	.22	79	.11	2	2.44	.03	.06	1	5
850N 1925E	1	43	9	107	.1	11	7	514	2.74	2	5	ND	1	40	.3	2	2	58	.36	.045	4	11	.39	92	.14	2	2.81	.03	.03	1	7
850N 1950E	1	27	5	73	.3	9	6	258	2.07	2	5	ND	2	35	.2	2	2	46	.30	.100	4	9	.27	61	.11	2	1.93	.02	.06	1	5
850N 1975E	1	19	8	100	.7	11	5	291	1.87	6	25	ND	5	27	.2	3	2	42	.24	.148	6	8	.21	80	.12	2	1.94	.03	.09	1	1
850N 2000E	1	22	5	104	.1	8	6	548	2.19	5	5	ND	1	30	.2	2	2	51	.29	.105	4	8	.19	78	.11	2	1.98	.03	.05	1	2
850N 2025E	1	28	8	147	.1	7	6	617	2.28	6	5	ND	1	33	.6	2	2	50	.27	.207	4	9	.25	50	.12	2	2.48	.03	.02	1	1
850N 2050E	1	27	10	155	.6	7	5	294	2.15	6	5	ND	2	24	.7	2	2	43	.21	.162	5	8	.19	62	.14	2	2.50	.03	.03	1	3
850N 2075E	1	30	8	101	.1	14	7	268	3.07	2	5	ND	1	66	.3	2	2	67	.36	.093	5	18	.59	96	.15	2	2.73	.02	.06	1	2
850N 2100E	1	26	8	129	.1	6	5	489	1.91	2	5	ND	1	32	.7	2	2	42	.30	.122	4	8	.21	65	.12	2	1.84	.03	.04	1	1
850N 2125E	1	46	11	142	.5	8	5	497	2.18	3	5	ND	1	32	.6	2	2	45	.29	.125	5	8	.30	77	.14	2	2.54	.03	.04	1	4
850N 2150E	1	77	9	81	.1	10	7	331	2.76	6	5	ND	1	32	.2	2	2	60	.23	.094	5	12	.33	81	.17	2	3.37	.03	.03	1	1
850N 2175E	1	17	6	125	.1	6	6	1337	1.99	2	5	ND	1	38	.6	2	2	44	.36	.091	5	7	.21	112	.11	2	1.71	.04	.04	1	4
850N 2200E	1	46	7	78	.2	7	6	786	2.26	6	5	ND	1	30	.5	2	2	52	.24	.139	4	9	.23	127	.13	2	2.15	.03	.03	1	4
850N 2225E	1	60	12	154	.2	7	8	616	2.23	3	5	ND	1	39	1.0	2	2	49	.33	.086	4	8	.32	59	.10	2	1.77	.02	.08	1	1
850N 2250E	1	105	8	190	.7	6	7	151	1.79	5	6	ND	2	26	1.0	2	2	42	.20	.072	4	8	.21	32	.11	2	1.48	.02	.05	1	1
STANDARD C/AU-S	19	58	39	129	7.3	72	31	1053	3.96	40	20	7	40	53	19.9	15	20	60	.46	.094	41	60	.90	181	.08	32	1.90	.06	.14	11	54

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOIL AU** ANALYSIS BY FA\ICP FROM 10 GM SAMPLE.

DATE RECEIVED: OCT 19 1990 DATE REPORT MAILED: Oct 24/90 SIGNED BY. C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au*** ppb
850N 2275E	1	13	6	126	.4	4	4	928	1.53	2	5	ND	3	17	.8	2	2	29	.14	.157	4	6	.09	53	.10	3	1.73	.03	.04	1	6
850N 2300E	2	46	9	150	.4	4	7	715	2.64	2	5	ND	2	47	.7	2	2	55	.45	.042	4	6	.24	53	.08	2	1.60	.02	.06	1	3
850N 2325E	1	24	6	199	.2	8	6	603	1.79	6	5	ND	2	25	.5	2	2	37	.20	.100	5	7	.16	75	.10	2	1.71	.04	.05	1	11
850N 2350E	1	42	10	164	.2	8	6	315	2.01	6	5	ND	3	38	.5	2	2	45	.26	.135	5	8	.22	75	.10	2	1.72	.04	.05	1	12
850N 2375E	1	29	7	133	.4	6	5	455	1.83	2	5	ND	2	26	.4	2	2	39	.19	.202	4	7	.14	62	.10	2	1.80	.03	.03	1	3
850N 2400E	1	43	3	196	.5	9	11	578	2.83	4	5	ND	3	43	.5	2	2	60	.38	.125	4	8	.21	77	.10	2	1.60	.03	.05	1	5
750N 1900E	1	38	5	72	.4	5	6	182	2.28	2	5	ND	1	61	.3	2	2	64	.51	.059	4	8	.26	42	.10	2	1.18	.02	.06	1	11
750N 1925E	1	18	4	197	.4	7	6	245	1.83	2	5	ND	2	28	.7	2	2	37	.27	.135	3	8	.18	63	.10	2	1.47	.03	.05	1	6
750N 1950E	1	126	66*	497	.8	9	14	568	2.75	2	5	ND	3	31	2.5	2	2	51	.32	.149	4	14	.32	66	.15	2	2.06	.03	.06	1	9
750N 1975E	1	25	6	307	.4	8	8	580	2.26	3	5	ND	2	32	1.0	3	2	45	.34	.150	5	9	.27	68	.13	3	2.33	.04	.06	1	4
750N 2000E	1	40	10	185	.2	7	9	802	2.63	6	5	ND	2	44	.5	2	2	58	.39	.106	4	10	.38	75	.12	2	1.96	.03	.06	1	2
750N 2025E	1	20	7	566	.2	6	6	1107	1.95	2	5	ND	2	42	7.6	2	2	35	.40	.202	3	8	.18	86	.11	2	1.47	.03	.05	1	4
750N 2050E	1	61	4	158	.3	7	6	179	2.16	10	5	ND	2	21	.5	2	2	41	.21	.153	3	7	.14	46	.11	2	2.14	.03	.04	1	3
750N 2075E	1	22	4	182	.2	5	6	1178	2.04	2	5	ND	2	34	.9	2	2	44	.31	.163	3	8	.14	97	.11	2	1.24	.04	.05	1	1
750N 2100E	1	30	4	186	.3	6	6	510	1.91	3	5	ND	2	36	.9	2	2	38	.25	.197	3	7	.16	70	.11	2	1.55	.04	.05	1	7
750N 2125E	1	79	16	154	.1	9	10	718	2.61	2	5	ND	2	57	.7	2	2	60	.47	.086	4	11	.44	105	.14	2	2.41	.02	.06	1	13
750N 2150E	1	44	11	135	.3	7	8	570	2.00	2	5	ND	2	35	.7	2	2	44	.26	.087	4	10	.25	81	.12	2	1.96	.03	.05	1	6
750N 2175E	1	59	5	101	.4	7	7	526	2.19	5	5	ND	3	42	.4	2	2	51	.32	.122	4	8	.28	77	.12	2	1.94	.03	.05	1	1
750N 2200E	1	64	10	144	.2	7	7	543	2.44	6	5	ND	2	36	.8	2	2	54	.27	.121	5	9	.30	66	.13	2	2.34	.03	.04	1	7
750N 2225E	1	46	7	244	.5	7	7	687	2.32	2	5	ND	2	40	3.6	2	2	51	.24	.143	5	9	.24	90	.12	2	2.36	.03	.04	1	3
750N 2250E	1	21	11	140	.1	7	5	633	2.06	4	5	ND	2	27	2.0	2	2	42	.19	.132	7	7	.15	75	.12	2	2.41	.03	.03	1	5
750N 2275E	2	14	8	155	.1	4	5	538	1.61	4	5	ND	2	20	.8	2	2	32	.16	.102	3	6	.12	49	.10	2	1.23	.03	.04	1	6
750N 2300E	1	25	5	154	.5	7	6	834	1.94	6	5	ND	2	25	.6	2	2	38	.21	.172	3	6	.14	58	.11	2	1.95	.03	.04	1	3
750N 2325E	1	44	8	165	.6	7	8	410	2.42	4	5	ND	2	30	.2	2	2	46	.30	.134	5	9	.21	49	.10	2	1.90	.03	.05	1	1
750N 2350E	1	72	6	122	.4	10	7	335	2.35	9	5	ND	2	37	.2	2	2	45	.40	.052	12	10	.27	51	.10	2	2.28	.03	.05	1	1
750N 2375E	1	28	5	188	.3	8	6	369	2.07	2	5	ND	2	32	.2	2	2	48	.28	.123	4	11	.17	65	.10	2	1.69	.03	.05	1	6
750N 2400E	1	54	7	128	.6	7	6	225	2.15	3	5	ND	2	40	.2	2	2	50	.30	.099	6	9	.21	63	.10	2	1.60	.03	.04	1	4
650N 1900E	1	46	6	50	.4	6	6	173	2.51	6	6	ND	3	58	.2	2	2	73	.53	.093	6	9	.24	51	.11	2	1.40	.03	.06	2	2
650N 1925E	1	52	4	54	.2	8	6	160	2.13	5	5	ND	2	38	.2	2	2	47	.29	.092	4	9	.17	63	.10	2	2.00	.03	.03	1	2
650N 1950E	1	54	6	64	.2	8	6	154	2.12	6	5	ND	2	32	.2	2	2	44	.26	.160	4	9	.18	68	.11	2	2.12	.03	.05	1	1
650N 1975E	1	38	6	57	.5	7	5	154	2.10	2	5	ND	2	26	.2	2	2	44	.20	.213	3	9	.14	56	.10	2	1.92	.02	.03	1	1
650N 2000E	1	27	6	75	.2	6	6	309	2.13	6	5	ND	2	35	.2	2	2	50	.29	.156	4	8	.18	49	.10	2	1.71	.03	.04	1	3
650N 2025E	1	43	4	139	.2	8	7	441	2.31	6	5	ND	2	43	.2	2	2	55	.36	.110	5	12	.26	53	.11	2	1.75	.03	.05	1	5
650N 2050E	1	19	4	212	.1	4	6	228	1.99	3	5	ND	1	51	.6	2	2	51	.43	.019	3	8	.22	40	.13	2	1.35	.02	.05	1	5
650N 2075E	1	46	7	161	.5	6	7	465	2.35	2	5	ND	3	45	.7	2	2	51	.36	.101	5	9	.25	70	.11	2	1.68	.03	.05	1	1
650N 2100E	2	71	6	107	.5	9	6	550	2.19	3	5	ND	2	34	.2	2	2	35	.49	.019	6	9	.23	53	.11	2	2.67	.04	.03	1	5
STANDARD C/AU-S	18	58	36	131	7.0	73	31	1052	3.95	40	22	7	39	56	19.4	15	20	58	.46	.095	39	60	.89	183	.07	31	1.89	.06	.13	13	51

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** ppb
650N 2125E	2	86	15	205	.8	10	9	365	2.59	2	5	ND	1	38	.6	2	2	48	.55	.019	6	8	.36	24	.12	4	2.08	.03	.05	1	2
650N 2150E	1	31	5	260	.6	10	7	565	1.95	4	5	ND	1	44	.9	4	2	44	.30	.172	5	8	.21	99	.10	2	1.74	.03	.05	1	1
650N 2175E	1	19	7	193	.2	10	6	466	1.76	3	5	ND	1	38	.7	2	2	34	.28	.191	4	6	.20	148	.10	2	1.76	.03	.11	1	2
650N 2200E	1	65	14	85	.5	9	11	640	3.63	5	5	ND	1	160	1.3	3	2	89	.76	.031	8	10	.46	109	.16	2	2.72	.02	.11	1	2
650N 2225E	1	21	7	114	.3	11	7	564	2.34	3	5	ND	1	53	.2	4	4	54	.30	.044	8	9	.20	130	.15	2	2.46	.02	.03	1	1
650N 2250E	1	17	4	142	.1	8	6	445	1.71	2	5	ND	1	38	.2	2	2	42	.28	.095	4	7	.16	104	.10	2	1.42	.03	.05	1	4
650N 2275E	1	23	14	118	.4	10	7	556	1.70	2	5	ND	1	27	.4	2	2	40	.19	.158	4	7	.14	65	.09	2	1.56	.02	.03	1	1
650N 2300E	2	32	7	106	.4	9	8	572	1.86	2	5	ND	1	43	.2	2	2	45	.44	.095	4	7	.24	51	.09	2	1.35	.02	.07	1	1
650N 2325E	1	56	8	273	1.4	9	9	553	2.39	2	5	ND	1	36	.3	3	2	45	.37	.065	6	9	.24	46	.11	2	2.04	.03	.06	1	10
650N 2350E	1	27	9	282	.7	5	8	505	2.29	6	5	ND	1	25	.2	3	2	45	.31	.147	3	9	.19	55	.11	2	1.52	.03	.05	1	3
650N 2375E	1	34	9	209	.6	6	10	351	2.29	3	5	ND	1	30	.2	3	2	48	.22	.130	3	8	.22	62	.11	2	1.62	.02	.05	1	5
650N 2400E	1	37	12	166	.6	6	5	276	1.92	5	5	ND	1	32	.2	3	2	37	.36	.019	6	8	.20	39	.10	2	1.98	.04	.03	1	3
STANDARD C/AU-S	19	61	37	132	6.9	72	32	1055	3.97	45	18	7	36	53	38.9	18	18	57	.46	.099	38	60	.90	182	.07	32	1.89	.06	.13	12	52

BILL. ERP

ASSAY REPORT

SIMILCO MINES LIMITED

Date Nov 1/90

Assay No.	Sample Hole No.	% Cu	% ox					
EXP	GA-FA-6	0						
	TS-23	.03						
	TS-24	0						