GEOLOGICAL AND GEOCHEMICAL REPORT

ON THE

ROBBY CLAIM GROUP

100 MILE HOUSE AREA
CLINTON MINING DIVISION
BRITISH COLUMBIA

Latitude 51°53′ N
Longitude 129°56′ W

N.T.S. 92 P/15W

by

S.T. Bishop

for
Princeton Mining Corporation

TABLE OF CONTENTS

LIST OF FIGURES

APPENDICES

SUMMARY

This report reviews the geology and mineral potential of the Knob Hill area on the ROBBY claim group. The claims lie due north of Hawkins Lake near 100 Mile House, British Columbia.

The main showing consists of copper-gold mineralization associated with calcite veining hosted by Nicola Group volcanic rocks. Since its discovery in 1978, the property has been subjected to several pulses of exploration work which included some trenching and diamond drilling.

The objective the 1990 exploration program was to test for a northern and southern extension to the mineralization at Knob Hill. Geological mapping and soil geochemical surveys were completed in these target areas.

The results of the program outlined several weak, linear copper soil anomalies. No significant gold values were associated with the copper. Due to the narrow and weak nature of the anomalies, no further work is recommended at this time in either of the two areas.

Future exploration work should refocus on the copper-gold mineralization at Knob Hill. Blasting and trenching, followed by diamond drilling are required to further evaluate the economic potential of the property.

INTRODUCTION

The Hawkins Lake property, a copper-gold prospect, was first discovered in 1978. The main showing, referred to as "Knob Hill", consists of calcite-bornite-chalcocite veinlets hosted in Nicola Group volcanic rocks. Gold values commonly accompany the copper mineralization.

In July of 1990 a field program was undertaken to evaluate the potential of a northern and southern extension to the Knob Hill showing. The program included geological mapping, rock sampling and a soil geochemical survey. This report describes the results of the program and summarizes the work previously completed on the claim group.

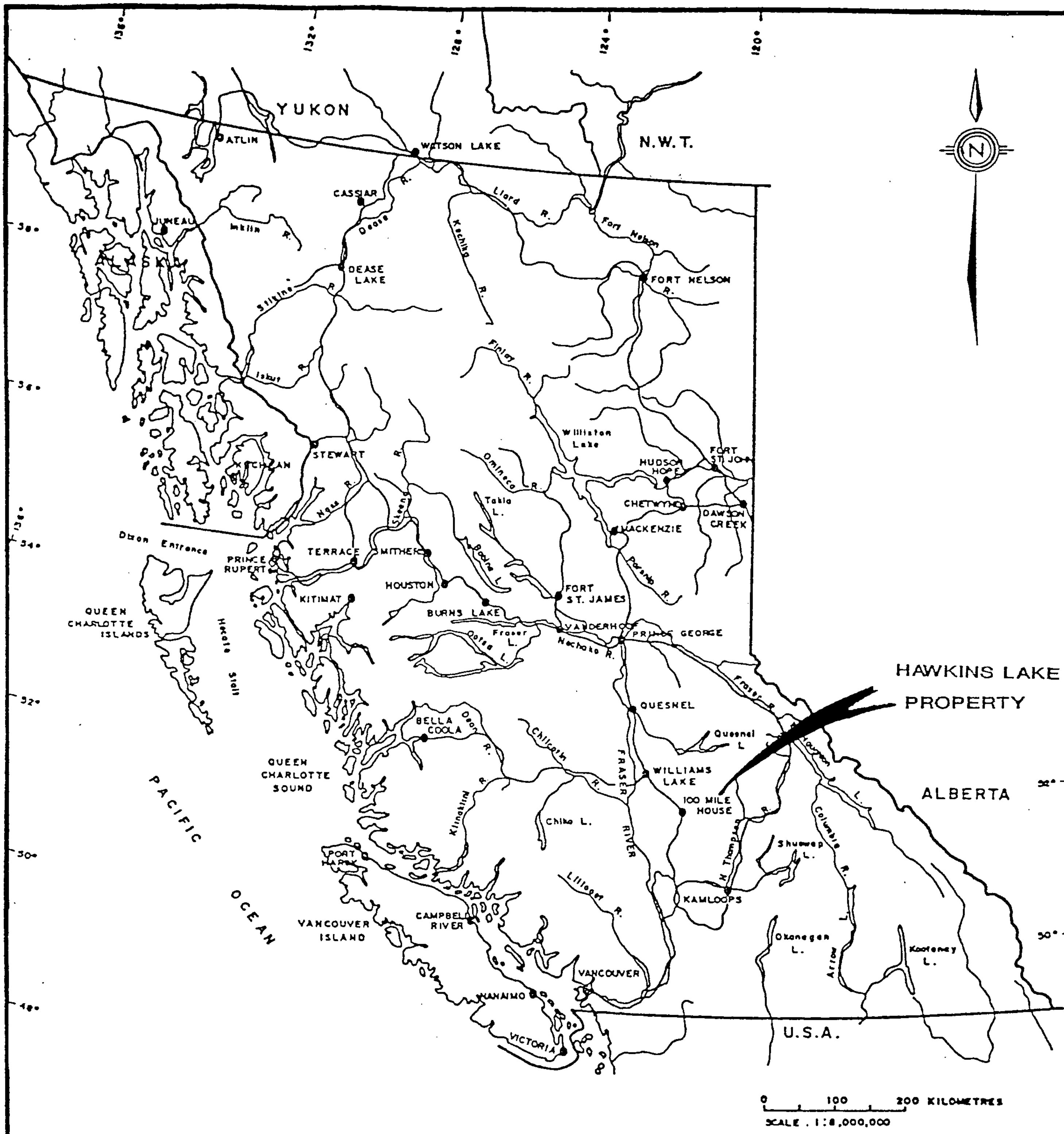
LOCATION, ACCESS AND TOPOGRAPHY

The property is located due north of Hawkins Lake, approximately 40 km northeast of the town of 100 Mile House in south central British Columbia (Figure 1).

The claims are located on N.T.S. mapsheet 92 P/15W at latitude 51 53′ N and longitude 120 56′ W (FIgure 2).

Access to the property is provided by paved road from 100 Mile House to the town of Eagle Creek where a good gravel road leads to the north shore of Hawkins Lake. From Hawkins Lake a rough 4x4 road accesses the southern portion of the claim group and the Knob Hill area.

The entire property lies below treeline. Timber cover is extensive but the underbrush is minimal. Topographic relief is moderate, elevations range from 2500′ at Hawkins Lake to 3500′ at Knob Hill.



SIMILCO MINES LTD.

HAWKINS LAKE PROPERTY

LOCATION MAP

CLINTON M.D., B.C.

DRAWN S.B./C.B.	N.T.S. 92 P 15/W	FIG.
SCALE: 1:8,000,000	DATE: SEPT. 1990	

PROPERTY AND OWNERSHIP

The ROBBY group consists of 94 mineral claims located in the Clinton mining district. The claims are 100% owned by Princeton Mining Corporation. Upon acceptance of this report, the claims are in good standing until the anniversary dates listed below. Particulars are as follows:

CLAIM NAME	# OF UNITS	RECORD #	ANNIVERSARY DATE
Clay 1-8 (2 post)	8	208-215	May 31, 1992
North	12	286	Feb. 23, 1992
Trapper 1-8 (2 post)	8	853-860	Aug. 18, 1991
Hunter 1-8 (2 post)	8	957-964	Feb. 3, 1992
After	10	1115	Sept. 29, 1991
Cab 1	6	1815	Aug. 21, 1992
Cab 2	14	1816	Aug. 21, 1992
Ski 1	16	1817	Aug. 21, 1992
South	12	2688	Sept. 9, 1992

EXPLORATION HISTORY

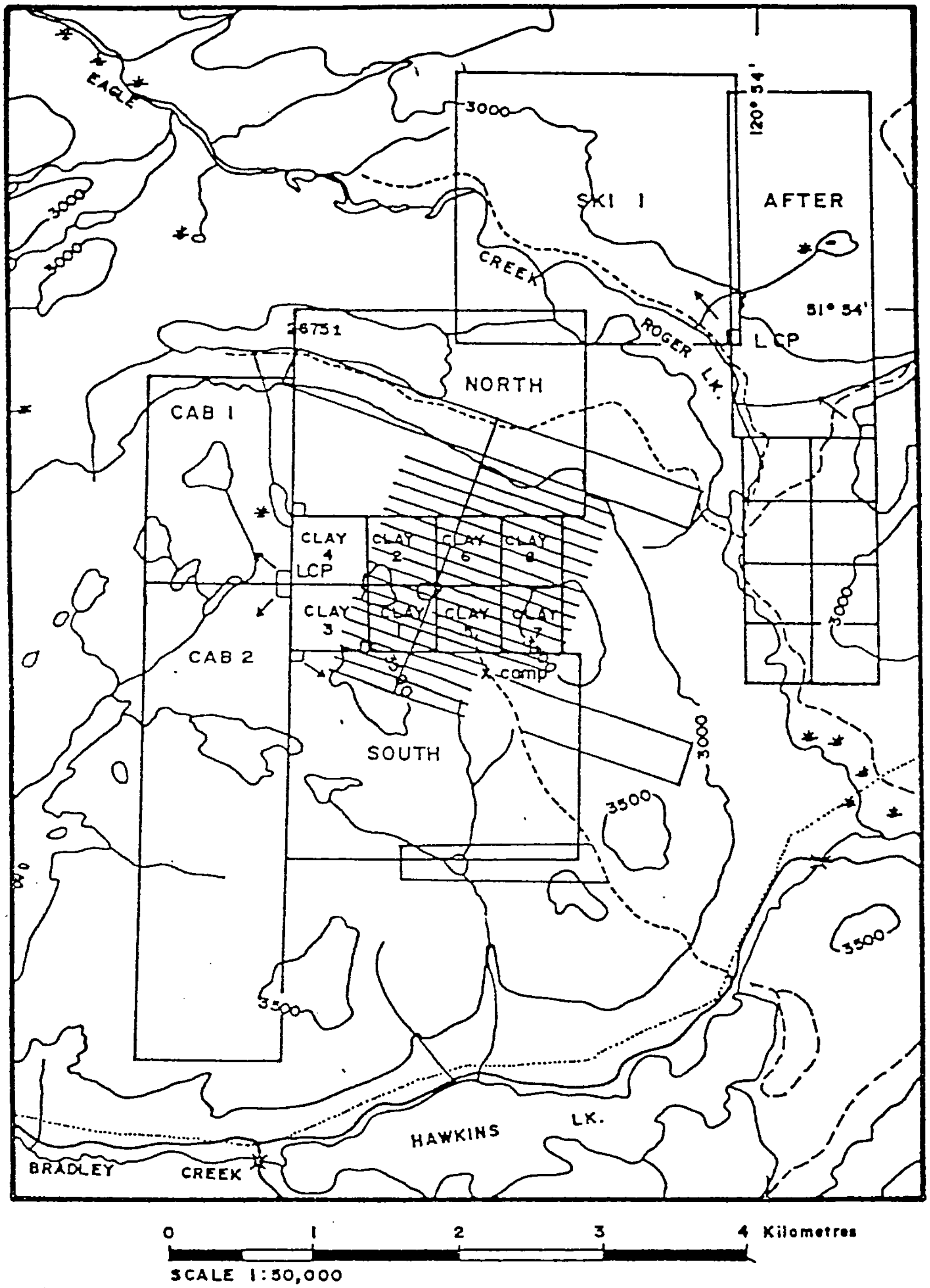
The Knob Hill showing was first discovered in 1978 by prospectors Alfred and Clay Robinson. The property was explored by Boville Resources Ltd. who completed geological mapping, rock-chip geochemical sampling, magnetometer and VLF-EM surveying.

Results from this program outlined a copper-silver-gold anomaly over the area of the main showing. The geophysics did not reveal a signature coincident with the area of known mineralization.

In 1982 Alclare Resources Inc. completed a total of 424 metres of diamond drilling in 11 holes at Knob Hill. Only a few zones of mineralization were intersected in this drilling, the best of which ran 2.2% Cu and 0.18 opt Au over 0.7 metres.

Between 1984 and 1985 Noranda Exploration Company Ltd. completed geological mapping, soil geochemical sampling, magnetometer and IP surveys, trenching and limited diamond drilling on the property.

Noranda's work defined several copper soil anomalies and two IP anomalies. The drilling (4 holes totalling 397.15 m) in part tested the IP anomalies. One hole intersected significant mineralization assaying 0.12% Cu with 0.007 opt Au over 19.66 metres including a 4.5 metre section of 0.27% Cu with 0.13 opt Au.



SIMILCO MINES LTD.

HAWKINS LAKE PROPERTY

CLAIM MAP

CLINTON M.D., B.C.

DRAWN S.B./C.B.	N.T.S. 92 P 15/W	FIG.
SCALE: 1:50,000	DATE: SEPT. 1990	

REGIONAL GEOLOGY

The Hawkins Lake property lies within the Quesnel Trough, a structural basin occupying the central portion of British Columbia. The northwest trending Pinchi Fault marks the western extent of the trough and the Eureka Thrust system marks the eastern limit.

Mapping by Campbell and Tipper of the Geological Survey of Canada (1971) concludes that the area is underlain primarily by Triassic-Jurassic volcanic and sedimentary rocks of the Nicola Group.

These rocks include andesitic flows, tuffs and breccias with associated siltstones and argillites. Isolated bodies of limestone occur within the group.

The Cretaceous granodioritic Takomkane batholith intrudes the Nicola Group to the northwest of the Hawkins Lake property.

PROPERTY GEOLOGY

Noranda's 1985 mapping of the Knob Hill area shows it to be underlain by rocks of the Nicola Group. Their geological mapping determined the following lithologies: unit 1-chlorite schist; unit 2-massive augite porphyry basalt; unit 2a-agglomeritic or lithic tuff; unit 3-monolithic augite basalt breccia and tuff; unit 4-rhyolite; unit 5-weakly skarnified limestone; and unit 6-quartz-feldspar chlorite schist.

Intrusive rocks are represented by dykes and stocks of varying composition from granodiorite, unit 7, to monzonite, unit 8 or syenite, unit 9. A hornblendite and hornblende porphyry were also mapped (units 10 and 11 respectively).

A strong northerly trend is evident in the area. All beds strike 015 degrees and dip steeply to the east. The dyke units and the foliations measured in the schists follow a similar trend as do localized shear zones.

MINERALIZATION AND ALTERATION

Copper and gold are the minerals of economic interest on the property. Sulphide mineralization consists of bornite, chalcocite, covellite and occasionally chalcopyrite. Although rare, visible gold has been observed at Knob Hill.

Mineralization generally occurs associated with pink calcite veining that is most commonly hosted by the basalt breccia or, to a lesser degree, by the massive basalt. To the south of Knob Hill the basalt hosts a white quartz vein mineralized with bornite.

A zone of intense propylitic alteration accompanies the mineralization at Knob Hill. This alteration appears to be related to the intrusion of the monzonite stock immediately to the west of the main showing.

1990 EXPLORATION WORK AND METHODS EMPLOYED

In June and July of 1990, an exploration program was conducted in the Knob Hill area. The aim of the program was to evaluate the potential for a northern and southern extension to the main zone of copper-gold mineralization. In addition, trenches and drill core from previous exploration work were examined.

The baseline of the grid established by Noranda in 1985 was extended 600 metres to the north and south. East-west lines were run at 100 metre intervals along the baseline. A total of 6.5 km of line were surveyed with a compass, flagged and measured with a hipchain.

Geological mapping was completed at a 1:2500 scale over the southern extension area (Figure 4). Rock samples were taken with a hammer and, where necessary, a chisel. All samples were select grab samples or continuous chip samples and are described in the following section. The northern area was not mapped as there is very limited rock exposure.

Soil samples were collected at 25 metre intervals along the lines in both the areas. Flags, marked with grid coordinates were left at sample stations. A mattock was used to collect samples of B horizon soil at depths ranging between 10 and 30 centimetres below surface. Soil samples were placed in Kraft paper bags and marked with corresponding grid coordinates.

A total of 28 rock and 241 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 1.

ROCK SAMPLE DESCRIPTIONS

* all samples are grab samples unless otherwise noted.

SAMPLE #	DESCRIPTION
HS-1	LIMESTONE: banded, foliated, trace malachite
HS-2	BASALT: intense epidote and carbonate alteration
HS-3	BASALT: rusty, intensely altered, trace chalcopyrite.
HS-4	AMPHIBOLITE-MAGNETITE VEIN: trace pyrite, drillcore
HS-5	BASALT: chlorite, weak epidote, minor malachite
HS-6	BASALT: chlorite, weak epidote, Kspar veinlets
HS-7	BASALT: strong epidote, minor Kspar and calcite veinlets.
HS-8	BASALT BRECCIA?: highly altered, intense malachite calcite veinlets,bornite,digenite; chip across 1.0 metre
HS-9	AMPHIBOLITE: trace pyrite, pyrrhotite; float
HS-10	BASALT: epidote veinlets, trace copper sulphides
HS-11	FELSITE: 10% disseminated pyrite; float
HS-17	BASALT: patchy epidote, trace malachite
HS-18	BASALT: patchy epidote, minor calcite veinlets trace bornite, malachite
HS-19	CHLORITE-EPIDOTE SCHIST: banded, rusty, weak calcite
HS-20	BASALT: foliated, malachite/azurite stained, patchy pink calcite, trace bornite; chip across 1.7 metre
HS-21	BASALT: foliated, malachite stained, some copper sulphides; chip across 0.30 metres
HS-22	INTRUSIVE: rusty, 5% disseminated pyrite, float
HS-23	BASALT: patchy epidote, minor Kspar veinlets
HS-24	BASALT: banded epidote/Kspar with calcite, trace malachite; chip across 0.25 metre
HS-39	MICRODIORITE: epidote and calcite veinlets, malachite, 1% tarnished sulphides.
HS-40	QUARTZ LENS: white quartz with minor bornite
HS-41	BASALT: brecciated by calcite, <1% chalcopyrite
HS-42	BASALT: as #41 but rustier, boxwork, 1% pyrite minor chalcopyrite
HS-43	BASALT DYKE: 1% pyrite in calcite veinlets, 0.3 metre drillcore sample (NH-85-2)
HS-44	BASALT: swarmed with calcite veinlets, minor disseminated pyrite; 0.3 metre drillcore sample(NH-85-2)
HS-45	BASALT: foliated, calcite veinlets, pyrite and chalcopyrite; 0.3 metre drillcore sample.
HS-46	HORNEBLENDE-AUGITE DYKE: 2% pyrite, 0.3 metre drillcore sample (NH-85-2)
HS-47	BASALT: hornsfelsed, patchy epidote, swarmed with white quartz, pink Kspar veinlets, trace malachite

RESULTS AND GEOCHEMISTRY

In the rock sample geochemistry, copper, silver and gold show the strongest anomalies of economic interest. Rock sample location and analytical results are presented in Figure 3. Of the 28 rock samples analyzed, 7 returned copper values greater than 1000 ppm.

Elevated gold and silver values, >100 ppb and >1.0 ppm respectively, are commonly associated with anomalous copper values. 7 samples returned anomalous gold and silver values, however two of these had corresponding copper values under 1000 ppm.

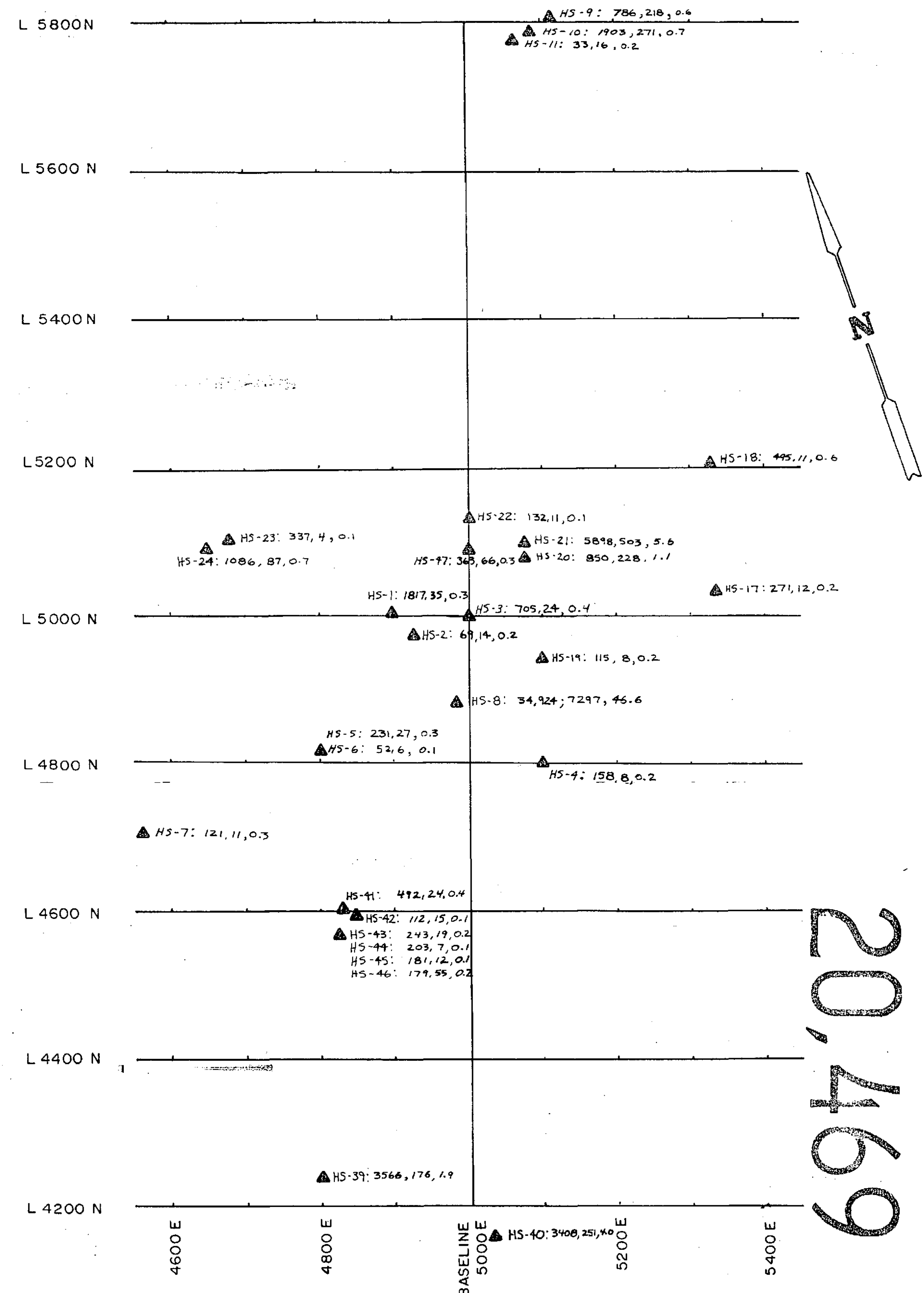
Most of the samples that returned results of economic interest were taken in the Knob Hill area. Two samples in the southern grid extension area, one of a bornite bearing quartz vein, the other of malachite stained basalt float, also returned significant Cu-Ag-Au values.

The most noteworthy sample, #HS-8, taken from a malachite stained road cut ran 3.4% Cu, 46.6 g/t Ag with 7.3 g/t Au over a 1.0 metre true width. Sample HS-21 returned 0.59% Cu with 5.6 g/t Ag and 0.5 g/t Au over a 0.3 metre width. Although both samples were taken from the most obviously altered and mineralized surface exposures, they outcrop at opposite ends of Knob Hill separated by 200 metres of favourable strike length.

Soil geochemical results (Figures 5 & 6) define several weak copper anomalies in both the northern and southern areas. These anomalies generally fall in the 100-250 ppm Cu range with occasional values over 500 ppm. When contoured, they outline linear trends, up to 450 x 50 metres in size, which reflect the regional north-northeast structural trend.

The majority of the copper soil anomalies are discreet entities although the two most sizeable appear to be extensions of copper anomalies defined by Noranda's geochemical survey.

There is no correlation between copper and gold values in soil geochemistry. Of the 241 soil samples analyzed only 8 returned gold values over 25 ppb. All 8 occur as single point anomalies in the southern grid extension area.



LEGEND

▲ HS-21: 5898, 503, 5.6

Sample location   Cu ppm, Au ppb, Ag ppm

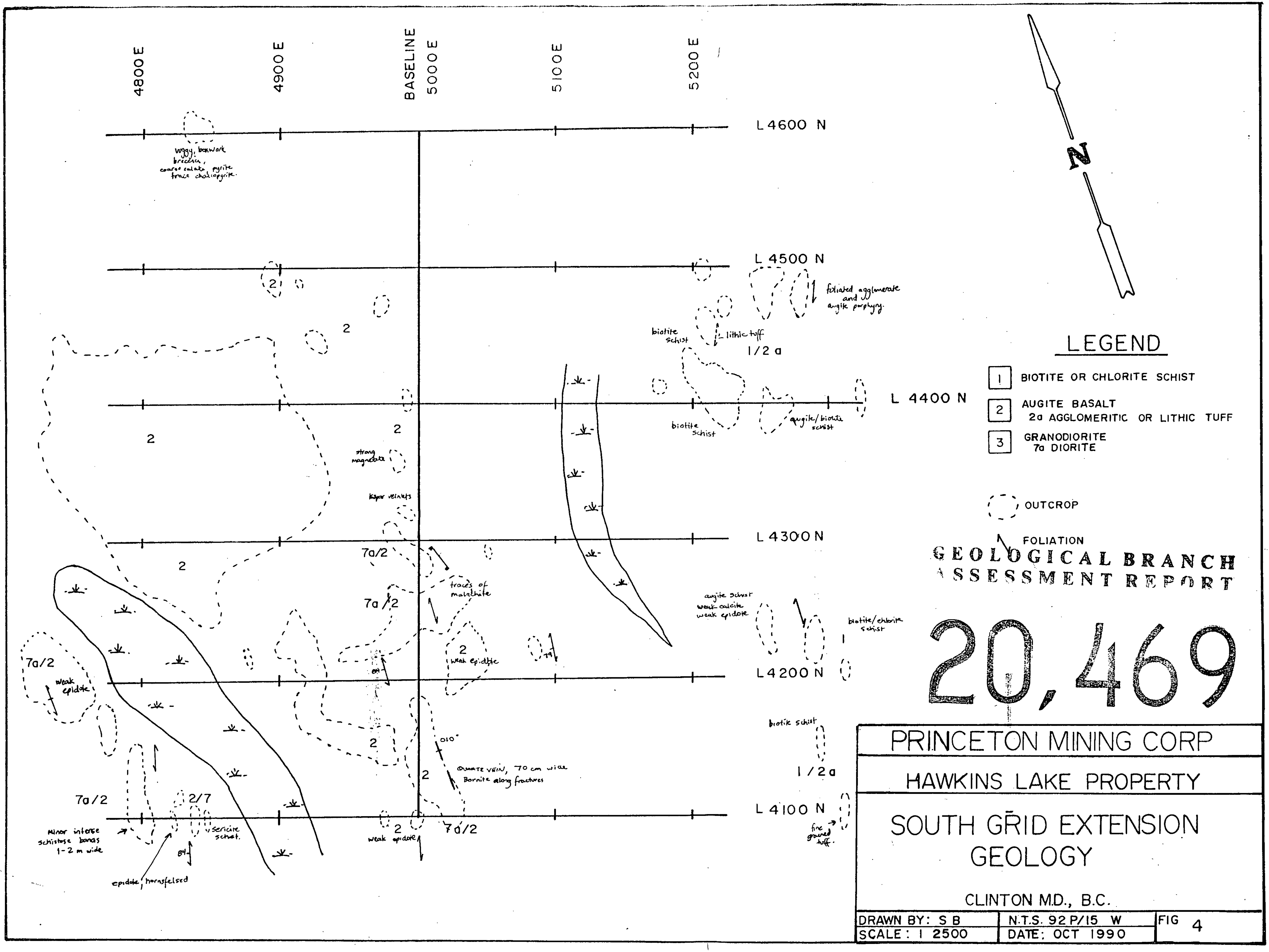
PRINCETON MINING CORP.

HAWKINS LAKE PROPERTY

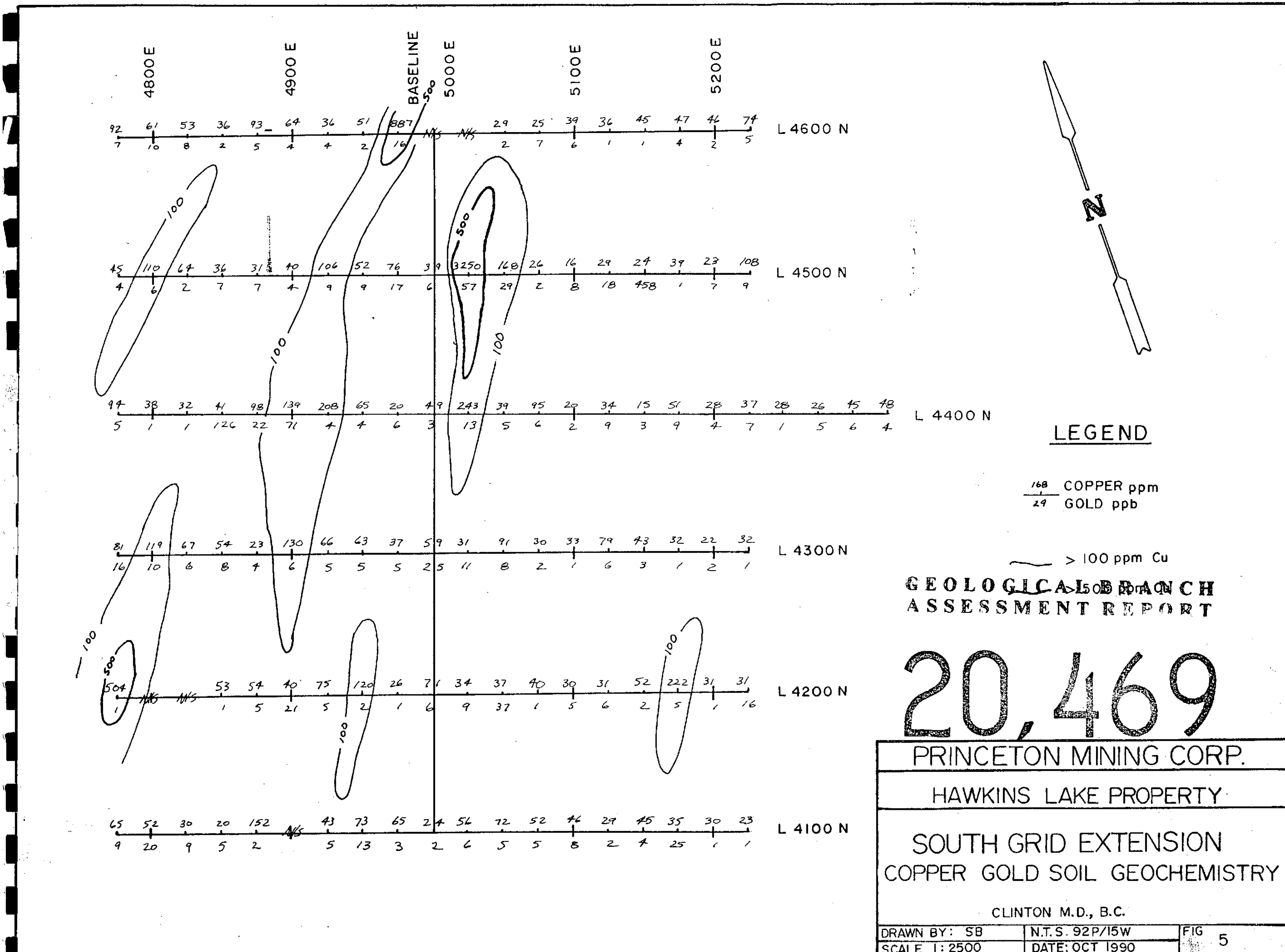
ROCK SAMPLE LOCATION & CU/AU/AG GEOCHEMISTRY

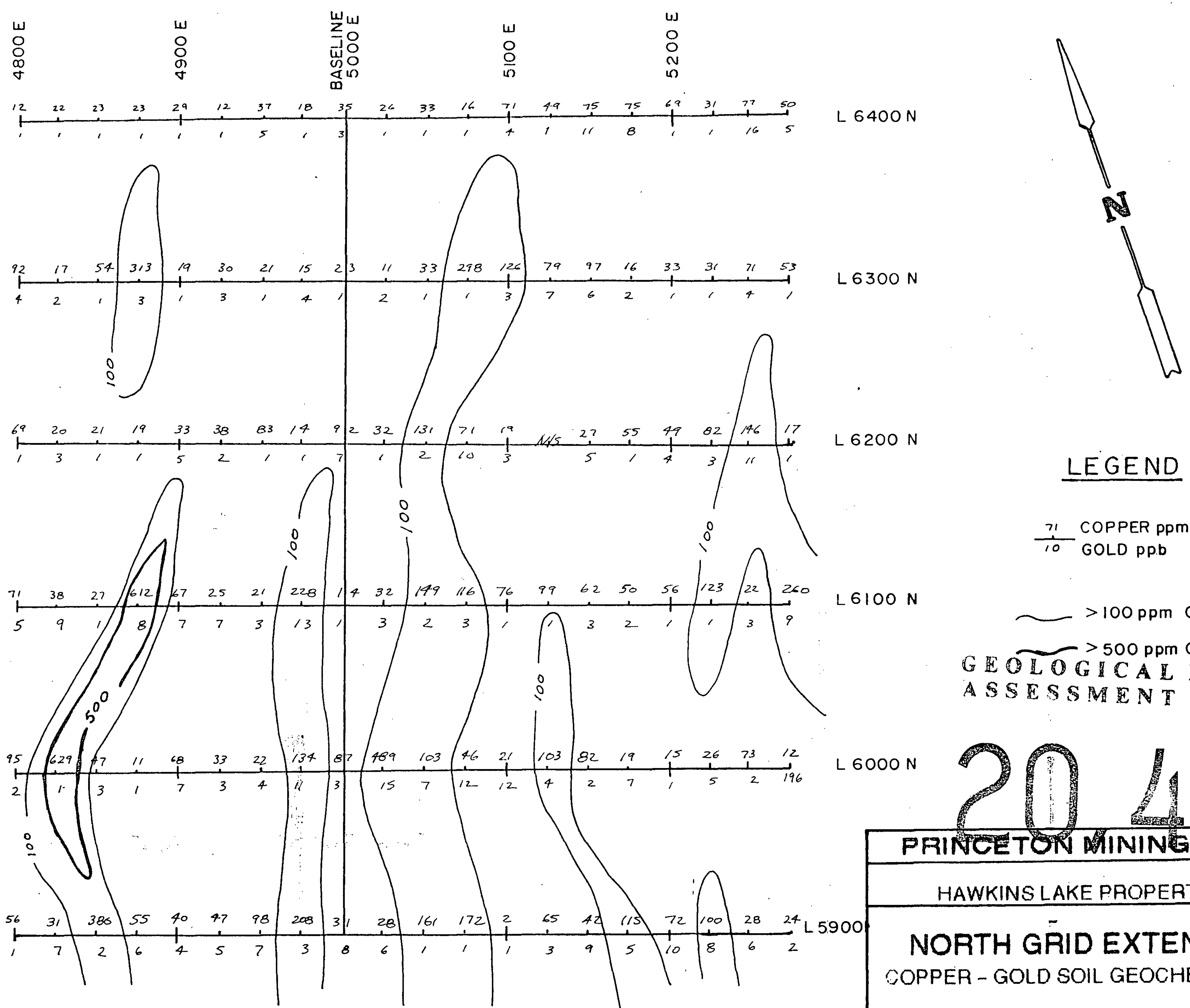
CLINTON M.D., B.C.

DRAWN BY: SB	N.T.S: 92P/15 W	FIG 3
SCALE 1:5000	DATE: OCT 1990	



4800 E
4900 E
BASELINE 5000 E
5100 E
5200 E
L 4600 N
L 4500 N
L 4400 N
L 4300 N
L 4200 N
L 4100 N
N
vuggy, boxwork breccia, coarse calcite, pyrite trace chalcopyrite
foliated agglomerate and augite porphyry
biotite schist
lithic tuff
1/2 a
augite/biotite schist
strong magnetite
kspar veinlets
7a/2
traces of malachite
7a/2
2
weak epidote
augite schist weak calcite weak epidote
biotite/chlorite schist
biotite schist
1/2a
quartz vein, 70 cm wide Bornite along fractures
010°
weak epidote
7a/2
2/7
sericite schist
Minor intense schistose bands 1-2 m wide
epidote hornfelsed
fine grained tuff
LEGEND
1 BIOTITE OR CHLORITE SCHIST
2 AUGITE BASALT
2a AGGLOMERITIC OR LITHIC TUFF
3 GRANODIORITE
7a DIORITE
OUTCROP
FOLIATION
GEOLOGICAL BRANCH
ASSESSMENT REPORT
20,469
PRINCETON MINING CORP
HAWKINS LAKE PROPERTY
SOUTH GRID EXTENSION
GEOLOGY
CLINTON M.D., B.C.
DRAWN BY: S B
SCALE: 1 2500
N.T.S. 92 P/15 W
DATE: OCT 1990
FIG 4


4800E
4900E
BASELINE
5000E
5100E
5200E
L 4600 N
L 4500 N
L 4400 N
L 4300 N
L 4200 N
L 4100 N
N
LEGEND
COPPER ppm
GOLD ppb
> 100 ppm Cu
> 500 ppm Cu
GEOLOGICAL BRANCH
ASSESSMENT REPORT
20,469
PRINCETON MINING CORP.
HAWKINS LAKE PROPERTY
SOUTH GRID EXTENSION
COPPER GOLD SOIL GEOCHEMISTRY
CLINTON M.D., B.C.
DRAWN BY: SB
N.T.S. 92P/15W
FIG 5
SCALE 1:2500
DATE: OCT 1990



PRINCETON MINING CORP.

HAWKINS LAKE PROPERTY

NORTH GRID EXTENSION

COPPER – GOLD SOIL GEOCHEMISTRY

CLINTON MD. B.C.

DRAWN: S.B./C.B.	N.T.S. 92 P/15W	FIG. 6
SCALE: 1:2,500	DATE: OCT 1990	

CONCLUSIONS AND RECOMMENDATIONS

The Knob Hill area is underlain by Nicola Group basalts and limestones. Copper - gold mineralization is restricted to the intensely epidotized and carbonate altered basalt breccia near or adjacent to the limestone. The most predominant sulphides, bornite, chalcocite and chalcopyrite, occur as blebs in pink calcite veinlets. Visible gold has been observed on the property.

A soil geochemical survey and geological mapping program was carried out to determine the potential of a northern and southern extension to the mineralization located at Knob Hill. The results of this survey outlined several weak copper soil anomalies, two of which may be extensions of the Knob Hill mineralization.

Based on the fact that no gold values were associated with the copper and considering the weak nature and narrow width of the anomalies, no further work is recommended in the either of the two grid extension areas.

Future exploration work should focus on the mineralization at Knob Hill. Trenching combined with blasting followed by diamond drilling would be the most appropriate method of assessing the nature and extent of the copper-gold mineralization.

STATEMENT OF COSTS

SALARIES		
Geologist:	S. Bishop , July 11 days @ $200/day	$ 2200
Assistant:	S. Avainti, July 5 days @ $130/day	$ 650
	F. Callander, July 6 days @ $130/day	$ 780
GEOCHEMICAL ANALYSES		
28 rock samples @ $15/sample		$ 420
241 soil samples @ $10/sample		$ 2410
Shipping		$ 50
EQUIPMENT AND SUPPLIES		
Truck rental and fuel		$ 800
Sample bags, compass, hip chain etc		$ 970
ROOM AND BOARD		
22 man days @ $ 30/day		$ 660
REPORT WRITING		
S. Bishop, August 7, 1990		$ 200
DRAFTING AND WORDPROCESSING		$ 460
	TOTAL	$ 9600

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., a wholly owned subsidiary of Princeton Mining Corporation, 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 practised 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 July and August, 1990.

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

Dated at Princeton, Province of British Columbia this 15th day of October, 1990.

Sandra T. Bishop, B.Sc.

BIBLIOGRAPHY

Baerg, R.J. (1985): Geological, Geochemical and Drilling Report on the Hawkins Lake Property. Report for Noranda Exploration Co. Ltd. Assessment report #13571.

Botel, W.G., Werner, L.J. (1982): Preliminary Geological Report on the Hawkins Lake Property. Assessment report # 10183.

Burton, A.D.K. (1980): Report on the North and Clay Mineral Claims for Alclare Resources Ltd.

Campbell, R.B., Tipper, H.W. (1972): Geology of the Bonaparte Lake Area. G.S.C. Memoir 353.

Gale, R.E. (1988): Report on Hawkins Lake Copper-Gold Prospect. Report for Sheba Copper Mines Ltd.

Lewis, T.D., Bradish, L. (1985): Geological, Geochemical and Geophysical Report on the Hawkins Lake-Alclare Resources Option. Report for Noranda Exploration Co. Ltd.

APPENDIX 1

ANALYTICAL METHODS AND GEOCHEMICAL RESULTS

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
HS-1	1	1817	2	13	.3	1	6	1602	.84	3	5	ND	1	232	.6	3	2	23	35.65	.039	2	40	.44	8	.04	2	.22	.01	.08	1	35
HS-2	1	69	2	25	.2	15	11	530	2.01	5	5	ND	1	125	.5	3	2	61	4.28	.212	2	99	.91	6	.13	2	.79	.03	.05	3	14
HS-3	1	705	3	48	.4	11	21	1546	5.98	2	5	ND	1	54	.6	10	2	41	9.67	.182	6	32	.66	162	.01	4	.73	.01	.36	1	24
HS-4	1	158	4	60	.2	48	30	558	8.48	2	5	ND	1	57	.6	10	2	317	2.11	.069	2	202	1.45	39	.18	2	1.26	.13	.11	1	8
HS-5	1	231	2	40	.3	8	12	360	3.49	3	5	ND	1	154	.3	3	2	112	1.31	.230	3	73	.57	15	.17	2	.82	.03	.06	1	27
Hs-6	3	52	2	5	.1	18	6	223	.56	2	5		1	62	.2	2	3	24	.89	.106	2	195	.08	6	.07	3	.34	.01	.9	3	6
HS-7	1	121	3	30	.3	9	8	313	2.25	2	5	ND	1	163	.2	2	5	95	1.80	.218	2	104	.40	160	.17	2	.80	.04	.05	1	11
HS-8	1	34924✓	2	2	46.6✓	8	4	236	1.00	4	5	10	1	85	3.9	2	22	32	1.95	.150	2	87	.41	5	.11	10	.47	.02	.01	2	7297
HS-9	1	786	3	68	.6	17	22	603	5.54	2	5	ND	1	64	.7	3	4	140	1.18	.145	2	82	1.33	33	.20	2	1.23	.07	.63	1	218
HS-10	1	1903	2	50	.7	28	25	484	5.50	3	5	ND	1	55	1.1	5	2	160	1.09	.121	2	130	1.62	50	.18	2	1.23	.07	.62	1	271
HS-11	1	33	2	65	.2	33	35	1109	7.04	43	5	ND	1	210	1.3	10	2	60	5.27	.115	2	48	2.26	129	.01	5	.50	.01	.32	1	16
HS-17	2	271	2	80	.2	30	23	667	3.66	4	5	ND	1	88	.4	3	2	91	1.66	.124	2	163	1.76	26	.19	6	1.44	.05	.72	1	12
HS-18	1	495	2	81	.6	19	18	801	3.53	2	5	ND	1	133	.4	2	3	88	5.23	.115	2	116	1.35	15	.14	2	1.02	.03	.30	1	11
HS-19	1	115	2	28	.2	17	13	301	2.12	4	5	ND	1	107	.2	2	2	70	1.54	.193	2	156	.60	15	.15	3	.79	.04	.06	1	8
HS-20	1	850	2	52	1.1	11	16	550	3.89	3	5	ND	1	94	.6	2	2	107	1.41	.262	4	69	1.10	26	.15	4	1.23	.06	.29	1	228
HS-21	1	5898	2	41	5.6	20	15	436	2.50	4	5	ND	1	97	1.1	4	8	72	1.54	.178	2	163	1.40	19	.16	2	1.16	.05	.27	1	503
HS-22	5	132	2	80	.1	32	13	743	2.22	3	5	ND	1	45	.2	2	3	34	1.71	.048	6	360	.53	300	.01	7	.77	.05	.10	1	11
HS-23	1	337	5	47	.1	11	17	545	3.20	5	5	ND	1	229	.2	2	2	105	3.08	.233	3	92	.84	7	.14	2	1.11	.03	.02	1	4
HS-24	11	1086	8	48	.7	8	17	1083	2.88	6	5	ND	1	101	.5	2	2	111	1.79	.275	3	65	1.32	36	.15	2	1.43	.04	.11	1	87
HS-39	1	3566	2	38	1.9	8	9	485	3.69	6	5	ND	1	81	.6	2	2	110	1.51	.193	2	16	1.15	70	.17	2	1.20	.05	.08	1	176
HS-40	1	3408	3	12	4.0	5	1	106	.68	4	5	ND	1	3	.2	2	2	17	.15	.016	2	5	.21	8	.02	3	.19	.01	.02	1	251
HS-41	1	492	7	92	.4	10	23	1249	6.09	5	5	ND	1	177	1.1	3	2	150	4.12	.191	4	9	2.38	55	.06	3	2.37	.02	.16	1	24
HS-42	1	112	8	110	.1	13	28	1573	6.16	2	5	ND	1	121	1.1	2	2	107	3.10	.184	4	15	2.69	82	.01	2	3.12	.01	.24	1	15
HS-43	1	243	6	100	.2	10	21	1206	5.35	2	5	ND	1	130	.8	2	2	135	3.94	.180	2	10	2.43	33	.09	2	2.62	.03	.11	1	19
HS-44	1	203	7	86	.1	10	23	1200	4.90	2	5	ND	1	217	.7	3	2	122	5.09	.196	4	8	2.35	46	.06	2	2.40	.02	.16	1	7
HS-45	1	181	2	58	.1	8	16	703	4.66	2	5	ND	1	127	.7	2	2	122	2.72	.167	2	7	1.57	98	.16	2	1.69	.04	.10	1	12
HS-46	3	179	11	85	.2	9	22	1095	5.78	4	5	ND	1	178	1.0	2	2	142	4.20	.189	2	9	2.37	33	.11	2	2.57	.02	.16	1	55
HS-47	1	363	3	21	.3	8	9	387	3.36	3	5	ND	1	52	.4	2	3	95	2.21	.272	2	14	.63	25	.13	5	.70	.04	.31	2	66
STANDARD C	18	57	36	131	6.7	69	32	1048	3.95	40	18	7	37	53	18.9	15	19	55	.50	.093	37	56	.89	180	.07	34	1.90	.06	.14	12	-

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: P1 Soil P2 Rock AU** ANALYSIS BY FA\ICP FROM 10 GM SAMPLE.

DATE RECEIVED: JUL 4 1990 DATE REPORT MAILED: July 13/90 SIGNED BY. C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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 0-500-590 File # 90-3130 Page 1

P.O. Box 520, Princeton BC V0X 1W0 Submitted by: SANDRA BISHOP

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
L76N 100W	1	75	4	103	.1	41	16	544	3.41	10	5	ND	4	46	.2	2	3	65	.69	.090	13	60	.99	108	.17	3	1.87	.03	.33	1	11
L76N 075W	1	24	4	175	.3	37	14	303	2.84	2	5	ND	4	27	.2	2	2	47	.35	.118	7	54	.66	128	.15	2	2.18	.02	.14	1	4
L76N 050W	1	16	3	185	.1	26	11	349	2.44	5	5	ND	3	42	.2	2	2	40	.48	.250	7	44	.61	247	.12	2	1.62	.02	.14	1	1
L76N 025W	1	16	4	324	.2	19	8	390	1.76	7	5	ND	2	30	.2	2	2	41	.43	.110	5	36	.45	132	.12	4	1.15	.02	.10	1	1
L76N 000W	1	27	2	166	.2	28	11	374	2.55	4	5	ND	3	36	.2	2	2	53	.45	.101	7	51	.72	129	.16	3	1.65	.02	.13	1	2
L64N 4800E	1	12	4	90	.2	21	7	229	2.15	2	5	ND	4	21	.2	3	2	38	.22	.101	7	29	.44	101	.14	2	1.56	.02	.09	1	1
L64N 4825E	1	22	9	134	.1	27	10	404	2.85	4	5	ND	3	24	.2	2	2	45	.28	.265	7	37	.56	302	.17	2	2.32	.02	.08	1	1
L64N 4850E	1	23	6	114	.1	29	9	386	2.34	2	5	ND	2	24	.2	2	2	43	.35	.045	8	38	.52	123	.17	2	2.01	.02	.11	1	1
L64N 4875E	1	23	3	99	.1	29	11	325	2.65	5	5	ND	2	24	.2	2	2	54	.32	.073	9	47	.69	107	.16	2	1.76	.02	.09	1	1
L64N 4900E	1	29	5	105	.2	29	10	307	2.25	7	5	ND	3	23	.2	2	2	44	.29	.105	6	54	.62	133	.15	2	1.73	.02	.11	1	1
L64N 4925E	1	12	6	109	.2	20	8	343	1.86	4	5	ND	2	20	.2	2	2	37	.26	.067	5	30	.40	109	.14	3	1.51	.02	.10	1	1
L64N 4950E	1	37	6	113	.1	27	10	365	2.58	2	5	ND	2	29	.2	2	2	45	.41	.191	7	35	.55	143	.15	3	2.03	.02	.12	1	5
L64N 4975E	1	18	6	77	.2	18	9	643	2.03	2	5	ND	2	19	.2	3	2	42	.29	.095	6	30	.40	158	.13	3	1.28	.02	.10	2	1
L64N 5000E	1	35	5	114	.1	29	12	432	2.98	2	5	ND	2	29	.2	2	2	59	.54	.028	7	52	.79	101	.19	2	1.97	.02	.13	1	3
L64N 5025E	1	26	6	171	.3	34	11	384	2.62	6	5	ND	4	39	.3	3	2	46	.40	.187	9	44	.65	186	.16	3	2.20	.02	.12	1	1
L64N 5050E	1	33	6	81	.1	33	11	250	2.68	5	5	ND	4	27	.2	2	2	49	.33	.063	12	46	.72	86	.17	2	1.77	.02	.13	1	1
L64N 5075E	1	16	6	102	.2	15	9	618	1.79	2	5	ND	2	22	.2	2	2	36	.19	.195	5	20	.22	174	.11	2	1.27	.02	.06	1	1
L64N 5100E	1	71	6	128	.4	34	13	376	2.70	3	5	ND	3	28	.2	2	2	48	.36	.074	8	46	.66	137	.17	5	1.86	.02	.15	1	4
L64N 5125E	1	49	9	113	.3	30	13	272	3.06	2	5	ND	3	28	.2	2	2	55	.38	.172	7	41	.60	119	.16	2	2.41	.02	.11	1	1
L64N 5150E	1	75	5	68	.1	31	12	321	2.90	2	5	ND	4	25	.2	2	2	63	.39	.054	8	49	.86	64	.17	2	1.59	.02	.23	1	11
L64N 5175E	1	75	6	96	.1	39	16	278	3.43	2	5	ND	3	22	.2	2	3	73	.33	.085	6	65	1.06	62	.20	2	2.10	.02	.17	1	8
L64N 5200E	1	69	9	115	.3	36	17	401	3.98	2	5	ND	4	59	.2	2	2	74	.75	.244	7	49	.90	183	.20	2	2.47	.02	.16	1	1
L64N 5225E	1	31	5	82	.2	62	18	263	3.65	3	5	ND	2	28	.2	2	2	83	.43	.108	5	69	1.52	103	.28	2	2.15	.02	.44	1	1
L64N 5250E	1	77	5	89	.2	67	22	433	3.94	5	5	ND	3	32	.2	2	2	89	.56	.025	6	114	1.55	88	.25	2	2.43	.03	.25	1	16
L64N 5275E	1	50	8	109	.2	39	15	351	3.27	6	5	ND	5	26	.2	2	4	62	.35	.104	10	48	.91	103	.18	2	2.05	.02	.14	1	5
L63N 4800E	1	92	7	69	.1	44	18	624	3.78	2	5	ND	4	49	.2	2	2	78	.75	.031	9	97	1.09	134	.19	2	2.18	.03	.22	1	4
L63N 4825E	1	17	7	62	.1	17	8	385	2.00	8	5	ND	3	21	.2	2	2	45	.28	.020	7	32	.39	67	.15	2	1.03	.02	.10	1	2
L63N 4850E	1	54	9	105	.1	39	14	600	3.26	2	5	ND	4	39	.4	2	2	66	.48	.067	12	50	.71	107	.18	3	2.11	.02	.18	1	1
L63N 4875E	2	313	12	91	.3	58	18	2635	4.44	10	5	ND	3	66	1.3	2	2	75	1.11	.055	19	68	.89	268	.19	4	2.72	.04	.23	1	3
L63N 4900E	1	19	9	106	.1	25	11	390	2.74	3	5	ND	4	32	.2	2	2	48	.38	.131	11	44	.64	136	.18	2	1.73	.02	.13	1	1
L63N 4925E	1	30	11	169	.3	30	12	335	3.23	3	5	ND	4	49	.2	2	3	51	.55	.384	10	49	.76	224	.18	3	2.53	.02	.15	1	3
L63N 4950E	1	21	10	156	.4	32	12	258	2.96	10	5	ND	5	28	.2	2	2	50	.31	.149	10	47	.66	140	.18	2	2.50	.02	.14	1	1
L63N 4975E	1	15	7	99	.2	18	7	283	2.00	2	5	ND	3	20	.2	2	2	40	.24	.111	5	26	.36	113	.12	3	1.44	.02	.07	2	4
L63N 5000E	1	23	10	138	.1	24	9	265	2.39	7	5	ND	2	28	.2	2	2	42	.37	.161	7	39	.55	151	.15	3	1.99	.02	.09	1	1
L63N 5025E	1	11	9	121	.1	17	9	415	2.24	5	5	ND	2	22	.2	2	2	38	.26	.175	6	32	.34	179	.14	4	1.42	.02	.10	1	2
L63N 5050E	1	33	8	125	.2	21	10	665	2.32	2	5	ND	3	27	.2	2	2	43	.37	.110	7	32	.46	156	.14	5	1.40	.02	.12	1	1
STANDARD C/AU-S	19	59	42	130	6.9	73	31	1047	3.97	39	15	7	39	52	18.6	15	19	59	.51	.093	40	61	.89	183	.09	33	1.89	.06	.14	11	48

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: P1-P6 Soil P7 Rock AU** ANALYSIS BY FA\ICP FROM 10 GM SAMPLE.

DATE RECEIVED: AUG 4 1990 **DATE REPORT MAILED:** Aug 11/90. **SIGNED BY** C. Leong ...D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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
L63N 5075E	1	298	7	80	1.2	49	13	415	3.87	5	5	ND	4	99	.6	2	2	59	1.46	.043	15	62	.78	210	.16	6	3.12	.03	.23	1	1
L63N 5100E	1	126	5	84	.3	27	12	493	2.47	6	5	ND	2	43	.2	2	2	53	.60	.026	8	43	.67	67	.16	4	1.57	.02	.13	1	3
L63N 5125E	1	79	3	96	.1	41	19	564	3.31	2	5	ND	3	42	.2	2	2	72	.61	.083	6	77	1.30	97	.21	4	2.07	.03	.33	1	7
L63N 5150E	2	97	2	50	.1	42	15	286	2.91	2	5	ND	3	39	.2	2	2	68	.56	.059	6	85	1.20	48	.17	2	1.56	.02	.33	2	6
L63N 5175E	1	16	6	70	.1	12	8	298	1.59	2	5	ND	2	21	.2	2	2	38	.27	.100	4	28	.44	100	.14	3	.92	.02	.10	2	2
L63N 5200E	1	33	4	59	.2	17	11	227	2.40	4	5	ND	2	46	.2	2	2	73	.68	.007	3	38	.74	47	.24	9	1.14	.03	.19	1	1
L63N 5225E	1	31	2	32	.3	22	9	135	2.31	3	6	ND	2	26	.2	2	2	67	.33	.005	3	50	.69	30	.19	4	1.13	.03	.07	2	1
L63N 5250E	1	71	3	69	.1	38	12	284	3.04	2	5	ND	4	41	.2	2	2	64	.46	.027	12	53	.88	93	.20	4	2.11	.03	.13	1	4
L63N 5275E	1	53	2	74	.1	26	13	338	2.90	11	5	ND	3	28	.2	3	2	56	.34	.140	8	40	.68	88	.16	2	1.78	.02	.08	1	1
L62N 4800E	1	69	3	102	.1	17	10	599	2.50	6	5	ND	3	28	.2	4	2	54	.35	.082	6	33	.57	145	.12	3	1.27	.02	.07	1	1
L62N 4825E	1	20	6	142	.1	28	12	349	2.52	2	5	ND	4	29	.2	2	2	47	.34	.126	8	60	.71	157	.18	2	2.05	.02	.09	1	3
L62N 4850E	1	21	3	88	.1	23	10	319	2.18	5	5	ND	3	27	.2	2	2	48	.33	.070	6	44	.63	111	.16	2	1.53	.02	.07	1	1
L62N 4875E	1	19	2	114	.2	26	11	359	2.52	3	9	ND	4	30	.2	2	2	53	.39	.055	9	48	.72	116	.17	3	1.81	.02	.11	1	1
L62N 4900E	1	33	4	116	.2	33	13	445	2.43	5	7	ND	3	26	.2	2	2	50	.33	.091	7	56	.81	129	.19	2	1.76	.02	.09	1	5
L62N 4925E	1	38	3	103	.1	24	11	396	2.52	7	5	ND	2	34	.2	2	2	50	.33	.070	8	42	.66	111	.16	2	1.57	.02	.08	1	2
L62N 4950E	1	83	3	129	.1	30	17	377	3.06	2	5	ND	2	32	.2	3	2	70	.49	.120	5	67	1.01	145	.20	2	1.83	.03	.09	1	1
L62N 4975E	1	14	4	110	.2	14	8	403	1.65	2	5	ND	3	19	.2	2	2	35	.21	.084	7	25	.31	129	.13	3	1.23	.02	.07	1	1
L62N 5000E	1	92	4	56	.1	23	12	274	3.03	5	5	ND	2	50	.2	2	2	75	.85	.035	7	33	.67	106	.18	4	1.90	.02	.15	1	7
L62N 5025E	1	32	3	68	.1	15	8	334	1.96	3	5	ND	2	26	.2	2	2	47	.33	.068	5	32	.52	64	.16	4	1.00	.02	.09	1	1
L62N 5050E	1	131	6	70	.3	41	16	607	3.69	5	8	ND	6	62	.3	2	3	73	.92	.042	13	68	1.00	124	.20	4	2.39	.03	.24	1	2
L62N 5075E	1	71	3	71	.1	34	14	356	3.04	6	5	ND	5	36	.2	3	2	63	.47	.061	11	55	.90	81	.17	3	1.79	.02	.13	1	10
L62N 5100E	1	19	4	79	.2	12	8	416	1.71	3	7	ND	3	22	.2	2	2	38	.23	.084	5	20	.29	105	.13	2	1.04	.02	.07	2	3
L62N 5150E	1	27	3	94	.1	23	11	473	2.28	2	5	ND	4	24	.2	2	2	47	.31	.058	9	35	.56	91	.15	3	1.48	.02	.11	1	5
L62N 5175E	1	55	3	95	.2	30	13	520	2.82	2	5	ND	4	35	.2	2	2	57	.49	.068	10	47	.80	96	.16	2	1.68	.02	.18	1	1
L62N 5200E	1	49	3	145	.1	32	18	424	3.49	3	5	ND	3	32	.2	2	2	78	.47	.095	6	46	1.17	85	.20	2	2.06	.02	.15	1	4
L62N 5225E	1	82	3	72	.1	38	15	630	3.08	11	5	ND	4	77	.2	2	2	65	1.41	.083	12	56	.96	119	.15	7	1.63	.03	.27	1	5
L62N 5250E	1	146	6	73	.4	47	18	1102	4.43	6	5	ND	3	110	.4	3	2	79	1.68	.085	10	70	1.04	200	.14	5	2.81	.03	.27	1	11
L62N 5275E	1	17	2	190	.1	25	19	604	3.28	4	5	ND	3	46	.2	2	3	73	.69	.201	4	40	1.09	155	.19	4	1.87	.04	.33	1	1
L61N 4800E	1	71	2	96	.1	27	16	332	3.48	6	5	ND	3	27	.2	2	2	82	.41	.065	6	53	.85	109	.20	4	2.03	.03	.10	1	5
L61N 4825E	1	38	3	102	.1	23	13	375	2.77	4	5	ND	3	42	.2	2	2	63	.46	.101	6	43	.77	116	.17	2	1.76	.03	.11	1	9
L61N 4850E	1	27	2	104	.2	26	11	335	2.47	4	5	ND	4	26	.2	2	2	52	.32	.094	8	48	.66	97	.15	2	1.69	.02	.09	1	1
L61N 4875E	1	612	8	108	.5	57	16	1713	3.72	6	5	ND	5	77	1.1	2	2	59	1.32	.049	22	67	.86	245	.17	4	2.84	.04	.28	1	8
L61N 4900E	1	67	5	96	.1	35	14	266	3.25	10	5	ND	3	34	.2	2	4	69	.41	.080	8	57	.90	80	.18	3	2.12	.02	.09	1	7
L61N 4925E	1	25	3	87	.1	21	8	258	2.21	7	5	ND	3	27	.2	2	2	43	.31	.130	8	37	.48	103	.14	3	1.47	.02	.08	1	7
L61N 4950E	1	21	4	155	.1	35	12	492	2.48	2	5	ND	3	34	.2	2	2	46	.39	.178	6	57	.78	172	.15	3	1.83	.02	.09	1	3
L61N 4975E	1	228	7	100	.1	34	11	804	2.58	2	6	ND	4	47	.5	3	2	44	.80	.030	12	40	.59	158	.14	3	1.84	.03	.12	1	13
STANDARD C/AU-S	19	59	38	131	6.9	72	31	1047	3.96	42	19	7	40	52	18.6	15	20	60	.51	.096	40	59	.89	186	.09	33	1.89	.06	.14	11	56

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 0-500-590 File # 90-2244 Page 1

P.O. Box 520, Princeton BC V0X 1W0

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
HS 6000N 4900E	1	65	7	161	.2	27	12	472	2.42	2	5	ND	1	27	.2	2	2	53	.36	.086	4	54	.75	125	.14	9	1.71	.03	.07	1	7
HS 6000N 4925E	1	33	6	95	.3	26	10	281	2.29	2	5	ND	2	29	.2	2	2	48	.43	.128	7	45	.63	130	.13	6	1.60	.02	.11	1	3
HS 6000N 4950E	1	77	2	55	.1	27	10	297	2.65	4	5	ND	3	33	.4	2	3	60	.46	.032	9	56	.76	74	.14	4	1.65	.02	.11	1	4
HS 6000N 4975E	1	134	6	66	.4	32	10	824	2.73	6	5	ND	2	40	.9	2	2	46	.67	.029	9	45	.57	144	.12	5	1.93	.03	.18	1	11
HS 6000N 5000E	1	83	2	171	.2	35	15	346	3.25	2	5	ND	1	39	1.0	3	2	65	.44	.090	5	78	1.05	101	.14	3	1.97	.02	.12	1	3
HS 6000N 5025E	6	489	5	99	.3	52	27	619	6.39	7	5	ND	1	68	1.5	7	2	108	.85	.122	6	139	1.76	76	.17	4	2.34	.03	.15	1	15
HS 6000N 5050E	1	103	2	95	.3	49	15	429	2.68	4	5	ND	1	30	.9	4	2	52	.36	.106	4	124	1.20	88	.14	5	2.03	.03	.09	1	7
HS 6000N 5075E	1	46	7	115	.2	33	13	297	2.69	5	5	ND	1	21	1.0	3	2	59	.28	.074	4	69	.91	96	.12	2	1.77	.02	.07	2	12
HS 6000N 5100E	1	21	5	120	.3	25	9	441	2.44	4	5	ND	2	25	1.1	2	2	49	.31	.097	9	39	.52	138	.13	6	1.78	.02	.10	1	12
HS 6000N 5125E	1	103	2	73	.3	30	17	255	3.52	2	5	ND	1	110	1.2	3	2	79	1.62	.014	6	78	1.07	65	.19	6	2.47	.04	.12	1	4
HS 6000N 5150E	1	82	6	45	.2	23	8	165	2.54	4	5	ND	2	28	.2	2	4	73	.36	.016	7	43	.55	53	.17	3	1.52	.02	.10	1	2
HS 6000N 5175E	1	19	8	54	.3	12	7	244	1.63	4	5	ND	2	21	.2	2	2	39	.24	.052	6	27	.36	60	.12	3	1.11	.02	.06	1	7
HS 6000N 5200E	1	15	7	59	.2	17	7	178	2.10	7	5	ND	3	25	.5	2	2	48	.31	.016	9	35	.54	55	.15	5	1.40	.02	.07	1	1
HS 6000N 5225E	1	26	3	82	.2	23	11	314	2.41	4	5	ND	3	33	.7	2	2	50	.41	.063	9	42	.69	74	.13	2	1.52	.02	.10	1	5
HS 6000N 5250E	3	73	2	61	.3	30	14	897	4.01	6	5	ND	2	62	1.3	2	2	56	.93	.020	8	62	.77	110	.14	5	2.58	.03	.20	1	2
HS 6000N 5275E	1	12	3	136	.2	24	12	182	2.57	2	5	ND	1	24	.5	2	2	57	.31	.024	6	40	.44	61	.15	3	1.90	.02	.07	1	196
HS 5900N 5000E	1	31	9	76	.2	25	14	294	3.36	2	5	ND	3	26	.7	2	2	66	.46	.123	9	45	.81	99	.15	3	2.15	.02	.13	1	8
HS 5900N 5025E	1	28	7	106	.3	23	10	283	2.54	8	5	ND	2	28	.4	2	2	50	.39	.174	7	44	.61	147	.13	6	2.03	.02	.07	2	6
HS 5900N 5050E	1	101	2	116	.3	23	18	490	3.12	4	5	ND	1	29	1.1	2	3	66	.35	.108	3	48	.80	110	.14	3	1.61	.03	.09	1	1
HS 5900N 5075E	1	172	11	161	.4	54	18	388	4.23	6	5	ND	1	40	1.0	2	2	78	.59	.073	6	62	1.02	131	.17	4	2.92	.03	.13	1	1
HS 5900N 5100E	1	12	7	60	.2	11	8	344	1.70	2	5	ND	1	20	.2	2	2	45	.26	.073	3	34	.51	71	.12	5	.88	.03	.09	1	1
HS 5900N 5125E	1	65	11	124	.3	30	14	383	2.49	3	5	ND	1	31	.7	2	2	52	.39	.087	4	59	.92	132	.14	3	1.76	.03	.10	1	3
HS 5900N 5150E	1	42	6	133	.4	33	14	425	2.56	4	5	ND	1	28	.4	2	2	48	.43	.117	5	65	.94	185	.15	7	1.81	.03	.13	1	9
HS 5900N 5175E	1	115	9	135	.3	38	16	368	3.19	5	5	ND	1	35	.6	2	2	64	.50	.088	5	70	1.14	75	.17	2	2.21	.03	.14	1	5
HS 5900N 5200E	1	72	8	140	.4	46	15	303	2.97	7	5	ND	2	30	.6	2	2	52	.41	.229	5	80	.91	144	.15	4	2.40	.02	.11	1	10
HS 5900N 5225E	1	100	4	91	.3	23	11	409	2.16	2	5	ND	1	28	.3	2	3	49	.42	.064	4	37	.65	51	.13	7	1.54	.03	.09	1	8
HS 5900N 5250E	1	28	6	97	.2	26	15	290	3.41	7	5	ND	1	26	.9	2	2	74	.48	.050	6	46	.94	60	.18	7	2.14	.03	.14	1	6
HS 5900N 5275E	1	24	2	101	.3	32	12	223	2.94	3	5	ND	2	28	.7	2	2	58	.43	.043	9	43	.70	74	.15	3	2.15	.02	.09	1	2
STANDARD C/AU-S	18	63	37	132	7.9	71	29	1032	3.88	44	18	7	36	52	18.5	15	21	55	.50	.092	37	60	.84	179	.07	35	1.90	.06	.13	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: P1 Soil P2 Rock AU** ANALYSIS BY FA\ICP FROM 10 GM SAMPLE.

DATE RECEIVED: JUL 4 1990 DATE REPORT MAILED: July 13/90 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
L61N 5000E	1	14	11	53	.5	6	3	432	1.26	4	5	ND	3	17	.2	3	2	25	.17	.151	4	10	.09	118	.10	3	.89	.03	.05	2	1
L61N 5025E	1	32	5	148	.2	31	15	344	3.10	2	5	ND	5	35	.2	2	2	51	.45	.201	10	54	.75	151	.18	2	2.23	.02	.14	1	3
L61N 5050E	1	149	5	63	.2	35	14	314	3.45	5	5	ND	3	76	.2	2	2	72	.95	.034	12	52	.75	108	.19	3	2.30	.03	.15	1	2
L61N 5075E	1	116	4	97	.1	44	15	402	3.54	6	5	ND	4	43	.2	2	2	66	.51	.035	14	62	.92	118	.22	2	2.37	.04	.17	1	3
L61N 5100E	1	76	2	68	.1	38	13	277	2.88	4	5	ND	3	28	.2	3	2	63	.47	.024	8	60	1.06	69	.20	3	1.79	.02	.16	1	1
L61N 5125E	1	99	5	95	.5	29	11	445	2.13	6	5	ND	4	23	.2	2	2	44	.31	.091	6	47	.64	76	.16	2	1.50	.03	.09	1	1
L61N 5150E	1	62	4	57	.1	32	10	277	3.17	7	5	ND	5	34	.2	2	2	70	.53	.054	10	54	.89	73	.19	2	1.93	.03	.10	1	3
L61N 5175E	1	50	3	118	.1	35	15	301	3.31	4	5	ND	3	28	.2	2	2	66	.37	.096	7	52	.81	97	.17	2	2.21	.02	.11	1	2
L61N 5200E	1	56	2	108	.3	35	16	334	3.15	4	5	ND	4	30	.2	2	2	65	.42	.084	7	54	.95	91	.17	2	1.93	.02	.12	1	1
L61N 5225E	1	123	3	178	.3	40	17	307	3.69	5	5	ND	4	40	.2	2	2	68	.54	.153	9	55	.95	101	.18	2	2.30	.02	.14	1	1
L61N 5250E	1	22	7	95	.2	29	16	254	3.60	2	5	ND	4	37	.2	3	2	79	.53	.016	10	46	.92	70	.25	2	2.09	.04	.14	1	3
L61N 5275E	1	260	5	91	.4	35	8	154	1.77	7	5	ND	2	111	.4	2	2	27	2.00	.088	13	59	.61	145	.09	5	1.96	.03	.17	1	9
L60N 4800E	1	95	4	123	.1	30	17	458	3.52	3	5	ND	2	41	.2	2	2	83	.54	.130	5	68	1.13	128	.19	2	1.96	.03	.08	1	2
L60N 4825E	1	629	6	68	.1	60	6	142	1.94	3	5	ND	4	39	.2	3	2	35	.58	.031	27	51	.43	145	.14	3	1.96	.04	.16	1	1
L60N 4850E	1	47	3	87	.1	26	19	316	3.32	2	5	ND	3	46	.2	2	2	90	.64	.082	4	35	1.24	78	.24	2	2.24	.03	.15	1	3
L60N 4875E	1	11	5	59	.2	6	4	448	1.17	6	5	ND	2	16	.2	2	2	29	.20	.035	3	8	.19	65	.10	2	.50	.02	.07	1	1
L59N 4800E	1	56	3	130	.1	22	10	560	2.17	5	5	ND	3	30	.2	2	2	50	.38	.052	6	35	.65	120	.16	2	1.39	.03	.11	1	1
L59N 4825E	1	31	3	52	.1	19	9	211	2.09	2	5	ND	3	26	.2	2	2	49	.32	.062	5	50	.60	69	.15	2	1.23	.03	.06	1	7
L59N 4850E	1	380	8	164	.2	44	12	1057	2.96	2	5	ND	3	36	.2	3	2	58	.57	.027	7	40	.78	133	.19	5	2.57	.03	.15	1	2
L59N 4875E	1	55	3	87	.2	21	11	374	2.30	8	5	ND	2	21	.2	2	2	51	.30	.064	5	40	.53	84	.14	2	1.37	.02	.07	1	6
L59N 4900E	1	40	2	99	.2	22	13	408	2.42	5	5	ND	3	25	.2	2	2	54	.30	.086	3	38	.65	94	.16	2	1.59	.02	.06	1	4
L59N 4925E	1	47	2	138	.1	35	16	380	3.09	2	5	ND	3	35	.2	2	2	64	.42	.080	6	63	1.02	119	.19	2	1.97	.02	.11	1	5
L59N 4950E	1	98	3	78	.2	38	14	474	2.92	5	5	ND	3	34	.2	2	2	63	.45	.049	4	62	.93	93	.15	2	1.64	.02	.09	1	2
L59N 4975E	1	208	2	69	.1	43	16	286	3.60	7	5	ND	4	38	.2	2	2	79	.52	.029	9	70	1.08	103	.20	8	2.09	.03	.12	1	3
L46N 4775E	1	92	7	123	.2	32	14	517	4.27	5	5	ND	4	35	.2	2	2	76	.40	.173	9	56	.93	193	.16	2	3.11	.02	.11	1	7
L46N 4800E	1	61	7	138	.3	26	12	421	3.34	3	5	ND	5	33	.2	2	2	63	.36	.222	7	43	.67	261	.13	2	2.79	.02	.09	1	10
L46N 4825E	1	53	2	123	.1	34	16	369	3.12	4	5	ND	3	36	.2	3	2	71	.41	.121	6	67	1.19	127	.19	2	2.14	.02	.09	1	8
L46N 4850E	1	36	5	139	.1	36	15	283	3.18	6	5	ND	4	38	.2	2	2	67	.41	.126	9	72	1.01	121	.19	3	2.02	.02	.12	1	2
L46N 4875E	1	93	2	127	.1	43	18	339	3.21	2	5	ND	3	39	.2	2	2	74	.57	.078	7	99	1.32	77	.19	5	2.14	.02	.10	1	5
L46N 4900E	1	64	4	79	.2	27	14	272	3.01	8	5	ND	3	34	.2	2	2	74	.44	.054	5	67	.98	62	.19	2	1.69	.02	.09	1	4
L46N 4925E	1	36	2	132	.2	32	14	476	2.74	2	5	ND	4	28	.2	2	2	58	.34	.103	10	52	.86	115	.17	2	1.87	.02	.09	1	4
L46N 4950E	1	51	3	92	.2	33	15	308	3.32	10	5	ND	5	36	.2	2	2	75	.42	.060	12	56	.86	74	.20	2	1.92	.02	.12	1	2
L46N 4975E	1	887	4	76	.1	43	21	1234	4.36	8	5	ND	5	48	.2	2	2	109	.78	.030	13	77	1.27	126	.21	2	2.38	.02	.15	1	16
L46N 5050E	1	29	4	58	.2	23	11	209	2.66	8	5	ND	4	34	.2	2	2	74	.49	.011	8	44	.72	60	.18	2	1.64	.02	.07	1	2
L46N 5075E	1	25	3	139	.2	29	12	258	2.86	6	5	ND	4	31	.3	2	3	55	.40	.181	8	46	.61	119	.15	4	2.03	.02	.12	1	7
L46N 5100E	1	39	6	212	.3	35	13	416	3.61	2	5	ND	5	23	.4	2	2	64	.26	.269	7	52	.63	226	.17	3	2.72	.02	.10	1	6
STANDARD C/AU-S	19	59	39	133	6.8	73	31	1048	3.99	40	17	7	40	52	18.7	16	21	60	.52	.094	40	61	.89	183	.09	34	1.90	.06	.14	14	49

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
L46N 5125E	1	36	4	142	.2	32	14	292	3.39	2	5	ND	4	23	.2	2	2	65	.35	.146	7	56	.80	138	.16	3	2.26	.02	.09	1	1
L46N 5150E	1	45	5	207	.2	40	17	363	3.60	8	5	ND	3	30	.3	2	2	69	.43	.186	7	83	1.05	150	.18	2	2.80	.02	.10	1	1
L46N 5175E	1	47	3	102	.1	40	15	278	3.13	9	5	ND	4	26	.2	2	2	66	.36	.118	9	70	1.05	99	.18	3	2.01	.02	.10	2	9
L46N 5200E	1	46	2	62	.1	34	14	244	2.79	3	5	ND	3	29	.2	2	2	62	.41	.041	8	75	.96	88	.17	2	1.58	.02	.08	1	2
L46N 5225E	1	74	2	77	.1	35	16	281	3.47	3	5	ND	3	32	.2	2	2	76	.46	.057	6	78	1.09	82	.18	3	1.70	.02	.11	1	5
L45N 4775E	1	45	4	102	.3	24	10	525	2.46	4	5	ND	3	29	.2	2	2	51	.39	.090	7	42	.58	131	.14	2	1.56	.02	.08	1	4
L45N 4800E	1	110	5	140	.3	42	15	314	3.66	12	5	ND	4	35	.3	2	2	68	.47	.150	9	61	.86	151	.16	3	2.86	.02	.13	1	6
L45N 4825E	1	64	3	103	.1	33	13	434	2.74	4	5	ND	2	29	.2	2	2	65	.44	.039	7	54	.94	72	.17	3	1.47	.02	.08	2	2
L45N 4850E	1	36	4	182	.1	29	15	428	2.71	2	5	ND	1	23	.4	2	2	57	.28	.168	4	84	.87	117	.16	4	1.65	.02	.07	1	7
L45N 4875E	1	31	3	112	.2	24	12	439	2.88	10	5	ND	3	27	.2	2	2	61	.31	.130	6	48	.70	113	.16	3	1.72	.02	.07	2	7
L45N 4900E	1	40	3	128	.1	28	13	298	2.76	9	5	ND	3	24	.2	2	2	58	.31	.072	7	49	.72	119	.17	2	1.97	.02	.08	2	4
L45N 4925E	1	106	7	140	.3	28	12	797	3.38	4	5	ND	4	26	.2	2	2	70	.30	.146	6	48	.61	182	.16	3	2.37	.02	.09	1	9
L45N 4950E	1	52	8	111	.1	25	11	278	3.70	5	5	ND	2	21	.2	2	2	82	.22	.114	5	44	.67	91	.18	2	2.48	.01	.08	1	9
L45N 4975E	1	76	9	124	.2	31	15	299	3.67	13	5	ND	3	25	.2	3	3	78	.31	.128	6	50	.90	101	.18	3	2.83	.01	.09	1	17
L45N 5000E	1	39	6	120	.4	26	11	282	2.93	5	8	ND	5	26	.2	2	2	61	.28	.162	6	42	.74	90	.15	3	2.14	.02	.11	1	6
L45N 5025E	1	3250	19	132	1.3	76	17	753	5.93	15	5	ND	5	62	.9	5	3	110	1.04	.060	15	110	1.17	250	.17	3	5.61	.03	.39	1	57
L45N 5050E	1	168	9	83	.2	48	15	462	3.87	9	5	ND	4	38	.3	2	2	76	.66	.025	16	64	.82	166	.16	4	2.75	.03	.15	1	29
L45N 5075E	1	26	4	98	.1	21	9	268	2.08	8	5	ND	2	22	.2	2	2	45	.30	.052	6	35	.43	87	.12	2	1.22	.02	.07	1	2
L45N 5100E	1	16	3	94	.1	18	9	321	2.01	2	5	ND	3	19	.2	2	2	44	.23	.090	5	35	.42	87	.12	3	1.20	.02	.05	1	8
L45N 5125E	1	29	8	159	.3	13	10	517	2.36	6	5	ND	3	20	.2	2	2	43	.26	.205	4	23	.39	155	.14	2	1.95	.02	.06	2	18
L45N 5150E	1	24	4	109	.2	20	11	838	2.49	10	5	ND	3	21	.2	2	2	53	.31	.060	4	34	.74	244	.12	2	1.74	.02	.10	1	458
L45N 5175E	1	39	7	114	.1	30	13	397	3.11	8	5	ND	2	23	.2	2	2	65	.34	.076	4	59	.96	145	.16	2	2.22	.02	.06	1	1
L45N 5200E	1	23	6	88	.2	26	11	291	2.56	6	5	ND	3	23	.2	2	2	53	.30	.055	5	57	.64	138	.15	3	1.74	.02	.08	1	7
L45N 5225E	1	108	4	105	.2	19	14	323	4.88	8	5	ND	2	14	.2	2	2	71	.16	.116	4	30	.50	103	.07	2	1.46	.01	.10	2	9
L44N 4775E	1	94	10	99	.1	31	17	1034	3.25	7	5	ND	3	29	.2	3	2	76	.31	.055	8	53	.84	140	.17	5	2.56	.02	.09	1	5
L44N 4800E	1	38	6	107	.2	23	12	659	2.44	8	5	ND	2	24	.2	2	2	51	.33	.098	5	37	.61	175	.13	3	1.71	.01	.10	2	1
L44N 4825E	1	32	11	114	.2	24	10	590	2.91	3	5	ND	3	20	.2	2	2	64	.23	.103	5	44	.59	141	.15	3	2.02	.01	.07	1	1
L44N 4850E	1	41	5	109	.2	25	12	318	2.68	4	5	ND	3	28	.2	2	2	61	.32	.063	6	50	.79	94	.16	2	1.44	.02	.08	1	126
L44N 4875E	1	98	9	116	.1	37	14	311	3.39	13	5	ND	4	24	.2	2	2	74	.26	.143	7	52	.84	148	.17	2	2.66	.02	.09	1	22
L44N 4900E	1	139	7	68	.1	32	13	268	3.06	9	5	ND	3	29	.2	2	2	70	.36	.065	9	54	1.01	79	.17	3	1.80	.02	.10	1	71
L44N 4925E	1	208	6	93	.1	31	15	506	3.57	5	5	ND	2	38	.2	2	2	89	.47	.037	6	50	1.12	89	.23	2	2.27	.02	.08	1	4
L44N 4950E	1	65	7	146	.4	33	15	493	3.24	8	5	ND	4	32	.2	2	2	71	.33	.137	6	51	.69	169	.17	2	2.58	.02	.10	1	4
L44N 4975E	1	20	7	113	.1	23	11	596	2.78	3	5	ND	2	24	.2	2	2	67	.23	.050	4	36	.59	165	.18	2	2.02	.02	.06	1	6
L44N 5000E	1	49	6	73	.1	31	13	274	3.02	7	5	ND	3	55	.2	2	2	71	.34	.036	9	61	.90	134	.19	2	1.90	.02	.08	1	3
L44N 5025E	1	243	7	88	.3	26	12	408	2.82	8	5	ND	3	31	.2	2	2	65	.35	.063	7	42	.84	108	.16	4	1.86	.02	.10	1	13
L44N 5050E	1	39	6	71	.2	28	12	307	2.61	9	5	ND	4	28	.2	2	2	60	.41	.081	9	46	.79	97	.16	3	1.43	.02	.11	1	5
STANDARD C/AU-S	19	58	43	134	7.0	73	31	1048	3.99	43	15	7	39	53	19.0	15	20	61	.52	.097	41	60	.89	179	.09	37	1.90	.06	.13	11	49

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
L44N 5075E	1	95	13	84	1.5	40	11	585	3.31	7	5	ND	3	69	.4	2	2	57	1.64	.037	9	56	.65	182	.14	4	2.94	.03	.20	1	5
L44N 5100E	1	20	6	91	.3	18	9	310	1.99	9	5	ND	3	25	.2	2	2	46	.37	.040	7	37	.43	87	.14	2	1.18	.02	.09	2	2
L44N 5125E	1	34	10	122	.5	21	10	543	2.27	11	5	ND	3	26	.2	2	2	44	.38	.137	6	38	.48	140	.13	4	1.54	.02	.08	1	9
L44N 5150E	1	15	7	115	.4	19	8	355	1.89	7	5	ND	3	19	.2	2	2	39	.23	.126	5	31	.30	84	.12	4	1.30	.03	.06	1	3
L44N 5175E	1	51	6	97	.3	34	12	272	2.71	8	5	ND	4	28	.2	2	2	58	.42	.088	8	61	.86	107	.17	3	1.70	.02	.10	1	9
L44N 5200E	1	28	10	101	.3	24	10	942	2.34	6	5	ND	3	32	.2	3	2	50	.38	.071	4	46	.69	163	.15	4	1.87	.03	.15	1	4
L44N 5225E	1	37	9	89	.2	27	15	679	3.30	8	5	ND	3	29	.2	2	3	78	.40	.054	5	52	.99	133	.18	3	2.18	.02	.10	1	7
L44N 5250E	1	28	7	106	.2	27	13	406	2.86	8	5	ND	3	23	.2	2	2	61	.30	.065	5	48	.79	133	.17	2	2.21	.02	.08	1	1
L44N 5275E	1	26	9	134	.2	27	12	693	2.88	5	5	ND	2	21	.2	2	2	61	.28	.068	5	52	.65	147	.17	3	2.23	.02	.07	1	5
L44N 5300E	1	45	6	107	.2	24	11	583	2.79	7	5	ND	2	22	.2	2	2	60	.28	.047	4	50	.83	123	.17	2	1.99	.02	.08	1	6
L44N 5325E	1	48	7	94	.2	35	15	300	3.39	10	5	ND	3	31	.2	2	2	75	.39	.067	5	75	1.13	124	.19	2	2.14	.01	.09	1	4
L43N 4775E	1	81	8	103	.3	27	13	807	3.24	2	5	ND	3	35	.2	2	2	79	.39	.041	6	49	.77	132	.19	4	2.33	.02	.10	1	16
L43N 4800E	1	119	14	131	.3	44	18	332	3.83	2	5	ND	4	31	.2	2	2	81	.34	.090	6	63	.96	178	.20	3	3.45	.02	.11	1	10
L43N 4825E	1	67	8	102	.4	30	13	774	3.44	8	5	ND	4	31	.2	2	2	79	.36	.097	7	60	.87	129	.17	3	2.56	.01	.09	2	6
L43N 4850E	1	54	9	80	.4	32	16	287	3.25	11	6	ND	5	33	.2	2	3	79	.46	.061	7	77	1.16	79	.19	2	1.92	.02	.10	1	8
L43N 4875E	1	23	10	64	.3	12	7	223	1.86	5	5	ND	3	11	.2	2	2	42	.13	.094	4	21	.27	65	.13	2	1.42	.02	.04	2	4
L43N 4900E	1	130	8	87	.3	24	9	385	2.17	8	5	ND	2	24	.2	2	2	50	.35	.035	7	38	.53	80	.12	3	1.70	.02	.08	2	6
L43N 4925E	1	66	10	97	.2	28	15	291	3.30	7	5	ND	3	26	.2	2	2	75	.33	.092	6	45	.94	92	.18	2	2.36	.01	.08	1	5
L43N 4950E	1	63	9	96	.3	27	13	578	2.96	7	5	ND	3	27	.2	2	2	67	.35	.068	6	47	.83	106	.17	2	2.23	.01	.09	1	5
L43N 4975E	1	37	8	80	.4	25	12	307	2.85	5	5	ND	4	27	.2	3	2	66	.34	.048	7	40	.75	109	.18	3	2.05	.02	.09	1	5
L43N 5000E	1	59	6	85	.4	29	18	387	3.38	7	5	ND	4	44	.2	2	2	83	.63	.081	6	59	1.43	95	.20	3	2.02	.02	.22	1	25
L43N 5025E	1	31	5	70	.3	22	13	377	2.65	11	5	ND	3	29	.2	2	2	65	.35	.067	5	40	.83	79	.18	2	1.48	.02	.09	1	11
L43N 5050E	1	91	6	125	.3	22	13	419	3.21	8	5	ND	2	61	.2	2	2	72	.40	.094	5	36	.96	153	.12	2	2.34	.01	.09	1	8
L43N 5075E	1	30	8	170	.6	15	10	709	2.35	3	5	ND	4	42	.2	2	2	56	.39	.133	4	23	.69	187	.14	3	1.64	.01	.09	1	2
L43N 5100E	1	33	7	65	.3	25	9	230	2.31	9	5	ND	3	26	.2	2	2	52	.33	.043	8	42	.63	77	.14	3	1.46	.02	.09	2	1
L43N 5125E	1	79	10	99	.5	37	13	1124	2.88	2	5	ND	3	36	.2	2	2	59	.52	.037	13	55	.77	133	.14	3	2.05	.03	.15	2	6
L43N 5150E	1	43	4	54	.3	30	11	271	2.67	9	5	ND	4	28	.2	2	2	60	.43	.055	8	58	.87	69	.16	2	1.42	.02	.11	2	3
L43N 5175E	1	32	8	108	.4	25	9	317	2.18	2	5	ND	3	25	.2	2	2	46	.36	.049	6	49	.64	78	.14	3	1.36	.02	.12	2	1
L43N 5200E	1	22	6	115	.4	26	13	506	2.50	4	5	ND	3	32	.2	2	2	51	.34	.137	3	41	.80	144	.15	2	1.55	.02	.09	1	2
L43N 5225E	1	32	9	133	.3	32	13	336	2.94	8	5	ND	3	26	.2	2	2	57	.33	.074	5	52	.78	163	.17	5	2.38	.02	.10	1	1
L42N 4775E	1	504	9	48	.2	27	10	192	2.42	2	5	ND	3	55	.2	2	2	55	1.05	.016	12	40	.45	86	.11	2	2.16	.02	.10	3	1
L42N 4850E	1	53	8	45	.4	15	7	161	1.18	10	5	ND	1	251	.3	2	2	25	12.44	.031	4	20	.49	69	.05	4	.82	.05	.06	2	1
L42N 4875E	1	54	6	54	.1	28	15	263	3.11	5	5	ND	4	35	.2	2	2	79	.60	.011	8	57	.98	71	.20	2	1.66	.02	.07	1	5
L42N 4900E	1	40	6	83	.1	28	13	278	2.99	8	5	ND	4	26	.2	2	2	66	.31	.052	8	53	.87	87	.18	3	2.00	.02	.08	1	21
L42N 4925E	1	75	9	74	.3	30	13	281	3.26	8	5	ND	4	32	.2	3	2	74	.38	.060	8	56	.99	81	.18	2	2.07	.02	.08	1	5
L42N 4950E	1	120	7	77	.3	42	15	355	3.71	2	5	ND	5	29	.2	2	2	82	.36	.083	8	82	1.27	102	.18	2	2.65	.01	.13	1	2
STANDARD C/AU-S	18	60	43	132	7.0	73	31	1045	3.97	42	18	7	39	52	18.4	15	18	59	.51	.095	39	61	.89	183	.09	34	1.91	.06	.14	11	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
L42N 4975E	1	26	2	106	.1	21	12	396	2.46	2	5	ND	1	19	.3	2	2	48	.21	.093	4	35	.60	104	.12	2	1.99	.01	.07	1	1
L42N 5000E	1	71	4	108	.1	27	15	473	2.92	3	5	ND	1	24	.2	2	2	53	.27	.135	5	42	.74	166	.13	3	2.45	.01	.08	1	6
L42N 5025E	1	34	8	94	.1	24	13	327	2.59	2	5	ND	1	24	.2	2	2	52	.29	.056	4	34	.67	149	.13	2	1.97	.01	.07	1	9
L42N 5050E	1	37	2	102	.2	22	14	313	2.86	3	5	ND	1	26	.2	3	2	59	.34	.051	5	40	.82	81	.14	4	1.82	.02	.07	1	37
L42N 5075E	1	40	3	82	.1	19	11	302	2.31	3	5	ND	1	20	.2	2	2	49	.27	.071	4	31	.53	87	.11	2	1.61	.01	.06	1	1
L42N 5100E	1	30	3	76	.1	19	9	613	1.94	2	5	ND	1	19	.2	2	2	40	.24	.033	5	29	.43	175	.11	2	1.32	.01	.06	1	5
L42N 5125E	1	31	4	73	.1	28	13	526	2.37	2	5	ND	1	23	.2	2	2	48	.35	.055	7	42	.67	93	.12	2	1.40	.02	.09	1	6
L42N 5150E	1	52	5	78	.2	31	14	349	2.92	3	5	ND	1	28	.2	2	2	57	.38	.067	9	55	.84	82	.13	2	1.84	.02	.10	1	2
L42N 5175E	1	222	17	92	1.1	56	16	813	4.32	3	5	ND	2	58	.4	2	2	70	1.22	.048	17	73	.87	251	.13	5	3.78	.03	.22	1	5
L42N 5200E	1	31	2	59	.1	24	13	279	2.68	2	5	ND	1	26	.2	2	2	56	.40	.044	5	46	.88	57	.12	2	1.32	.01	.09	1	1
L42N 5225E	1	31	2	105	.3	32	13	342	2.62	2	5	ND	1	27	.2	2	2	47	.30	.112	5	47	.71	133	.12	3	1.72	.02	.08	1	16
L41N 4775E	1	65	8	91	.2	24	10	450	2.92	2	5	ND	1	19	.2	2	2	63	.23	.071	5	35	.61	115	.13	2	2.40	.02	.06	1	9
L41N 4800E	1	52	10	110	.4	20	12	475	3.28	2	5	ND	1	19	.2	2	2	66	.21	.182	5	34	.65	130	.14	2	2.52	.01	.06	1	20
L41N 4825E	1	30	6	163	.3	26	14	428	2.65	2	5	ND	1	24	.2	2	5	48	.28	.088	5	43	.71	182	.13	3	2.11	.02	.08	1	9
L41N 4850E	1	20	6	118	.2	18	13	629	2.67	2	5	ND	1	21	.2	2	2	51	.26	.127	4	31	.57	142	.12	2	2.10	.01	.06	1	5
L41N 4875E	1	152	6	59	.1	6	2	55	.68	2	5	ND	1	127	.2	2	2	16	2.81	.049	3	7	.16	40	.01	2	.38	.02	.05	1	2
L41N 4925E	1	43	8	49	.1	20	10	261	2.14	2	5	ND	1	24	.2	2	2	48	.37	.012	6	32	.55	64	.11	2	1.44	.02	.04	1	5
L41N 4950E	1	73	8	58	.1	25	11	230	2.63	2	5	ND	1	27	.2	2	2	58	.34	.027	7	45	.69	57	.13	2	1.53	.01	.05	1	13
L41N 4975E	1	65	2	84	.1	27	13	435	2.32	2	5	ND	1	22	.3	2	2	48	.27	.060	2	40	.87	105	.13	2	1.60	.01	.08	1	3
L41N 5000E	1	24	9	78	.1	14	9	280	1.99	2	5	ND	1	19	.2	2	2	42	.20	.051	4	22	.39	108	.11	2	1.59	.02	.04	1	2
L41N 5025E	1	56	6	89	.3	26	14	335	3.13	2	5	ND	1	29	.2	2	3	66	.36	.040	5	42	.87	116	.15	3	2.13	.01	.06	1	6
L41N 5050E	1	72	9	151	.3	30	15	402	3.09	2	5	ND	1	30	.2	3	2	58	.33	.109	5	51	.81	133	.13	2	2.37	.02	.08	1	5
L41N 5075E	1	52	5	100	.2	25	14	305	2.93	2	5	ND	2	25	.2	2	2	53	.33	.098	7	43	.74	122	.13	2	2.09	.01	.09	1	5
L41N 5100E	1	46	10	98	.3	18	10	567	2.40	2	5	ND	1	38	.3	2	2	46	.33	.053	4	27	.46	123	.11	2	2.12	.02	.06	1	8
L41N 5125E	1	29	6	99	.2	29	12	271	2.55	2	5	ND	1	23	.2	2	2	46	.32	.078	6	44	.65	103	.12	2	1.72	.02	.07	1	2
L41N 5150E	1	45	11	102	.1	36	14	388	2.87	2	5	ND	1	26	.2	2	2	52	.38	.094	7	59	.75	99	.12	2	1.82	.02	.11	1	4
L41N 5175E	1	35	3	75	.2	25	11	308	2.40	2	5	ND	1	24	.2	2	3	47	.34	.047	6	45	.60	72	.12	2	1.38	.02	.07	1	25
L41N 5200E	1	30	2	65	.1	27	11	270	2.43	4	5	ND	1	27	.2	2	2	50	.40	.025	6	49	.74	56	.13	2	1.32	.02	.07	1	1
L41N 5225E	1	23	5	51	.1	19	9	180	1.92	2	5	ND	1	22	.4	2	2	36	.26	.093	4	39	.43	82	.09	2	.97	.02	.05	1	1
STANDARD C/AU-S	17	57	38	131	7.2	67	31	1047	3.94	38	21	7	36	51	18.9	14	19	56	.50	.089	37	55	.87	179	.08	32	1.86	.06	.14	11	47