

ASSESSMENT REPORT

SOIL GEOCHEMISTRY OF THE SILVER HAWK CLAIMS

106 D/6

135° 16' W 64° 26' N

MAYO M.D.

by

GEORGE SIVERTZ - PRISM RESOURCES LIMITED

JUNE 4 - JUNE 16, 1980

090649

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Fig. 9 - 3	Geochemical Grid Results - Zn
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SILVER HAWK CLAIM GROUP

1. INTRODUCTION

The SILVER HAWK 1 - 16 claims, located fifty kilometers (32 miles) west northwest of PRISM'S KATHLEEN LAKES camp, were staked on May 30, 1978 to cover an old prospect on GREY COPPER HILL. Work done in 1978 consisted of prospecting and non-systematic geochemical sampling. Access to the claims was provided by helicopter.

2. CLAIM INFORMATION

	<u>STAKER</u>	<u>RECORD DATE</u>	<u>RECORD NO.</u>
SILVER HAWK 1 - 8	D. McGregor	20/6/78	YA30599-606
9 -16	D. Beatty	20/6/78	YA30607-614

3. DEVELOPMENT HISTORY

The area of the SILVER HAWK 1 - 16 claims was first staked in the winter of 1923 as the GREY COPPER KING, KING TUT, and SILVER QUEEN claims, following discovery of silver-rich tetrahedrite float.

In his Summary Report of 1924, W.E. Cockfield of the G.S.C. reports that a vein 24 to 30 inches in width on the north side of a gulch in the GREY COPPER KING claim assayed 52 oz of silver per ton over 16 inches. He goes on to say that silver-rich float at the head of the gulch assayed up to 1100 ounces of silver per ton, and that no source had yet been found for the float.

Development work since the 1920's seems to have been restricted to trenching, exploratory adits, and percussion drilling. Two percussion drill holes were found near the cabin at 10550 N, and 10500E on the 1980 soil grid. An adit driven on a tetrahedrite-siderite vein on the south side of the main gulch on the hill has some tetrahedrite on its dump. A picked sample assayed 4.92% Cu and 69.9 oz/T silver.

4. GEOCHEMISTRY

A total of 174 soil samples were taken in 1980, along 8.5 line kilometers of grid (See Figures 1-4). These samples were intended to provide information about overburden covered ground to the northwest and downslope of the main SILVER HAWK showings.

A coincident lead, zinc, silver, and copper anomaly was discovered. This anomaly is in an area of swampy ground. The creek originating in the gulch where all the known showings are found flows through the center of this area. It is the opinion of the writer that the soil anomaly is caused by natural and man-produced mineralized detritus that has been transported down the gulch by the creek, and deposited at the mouth of the gulch.

A lower level lead-zinc anomaly in the northwest part of the grid is caused by high background lead-zinc values in quartz-carbonate-pyrite bearing shear zones in

altered "greenstone".

5. CONCLUSIONS AND RECOMMENDATIONS

The soil program of 1980 failed to reveal any significant anomalies. The Silver Hawk claims remain attractive because of the high silver values in float and minor in-place mineralization. The only work that can be recommended by the author is more reconnaissance-style soil sampling on the lower-lying areas of the claim block, and trenching in the area of the adit in the gulch in an attempt to expose the vein that the drivers of the adit were following.

7. COST BREAKDOWN

(a) Labour:	Churchill:	3 M.D. @ 81.43 =	\$ 244.29
	Hepner	2 M.D. @ 56.05 =	112.10
	Sivertz	3 M.D. @ 94.43 =	283.29
	White	2 M.D. @ 56.05 =	<u>112.10</u>
	TOTAL LABOUR COST		\$ 751.78

(b) Transportation:			
	Hughes 500D-ALC Airlift -	3.9 Hr @ 325. =	1267.50
	Fuel -	3.9 @ 37.50 =	<u>146.25</u>
	TOTAL TRANSPORTATION COST		\$1413.75

(c) Sample Analysis:			
	Vangeochem Labs -	174 Samples @ 4.65 =	809.10
	TOTAL COST		\$2974.63

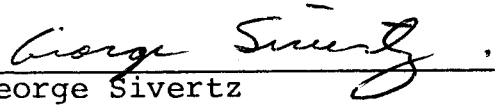
Assessment Applied For:	16 claims	
@ 1½ yr/claim =		\$2400.00
BALANCE =		\$ 574.63


STATEMENT OF QUALIFICATIONS

I, GEORGE W.G. SIVERTZ, declare that

1. I am a geologist residing at 3016 West 19th Avenue, Vancouver, B. C.
2. I received a BSc degree in geology (honours) from the University of B. C. in 1976.
3. I have worked as a geologist seasonally since 1975 and have practised on a full-time basis since May 1978.
4. I am a member of the CIM.
5. I am the author of the report and personally performed or supervised the work described herein.

SWORN BEFORE ME at VANCOUVER)
)
Province of British Columbia,)
this 15th day of December,)
1980.)


George Sivertz


Notary Public in and for the
Province of British Columbia

CAROLYN G. WEILER
BARRISTER & SOLICITOR
16TH FLOOR
409 GRANVILLE STREET
VANCOUVER, B.C. V6C 1V1



PRISM RESOURCES LTD

PRISM JOINT VENTURE

SILVER HAWK CLAIMS

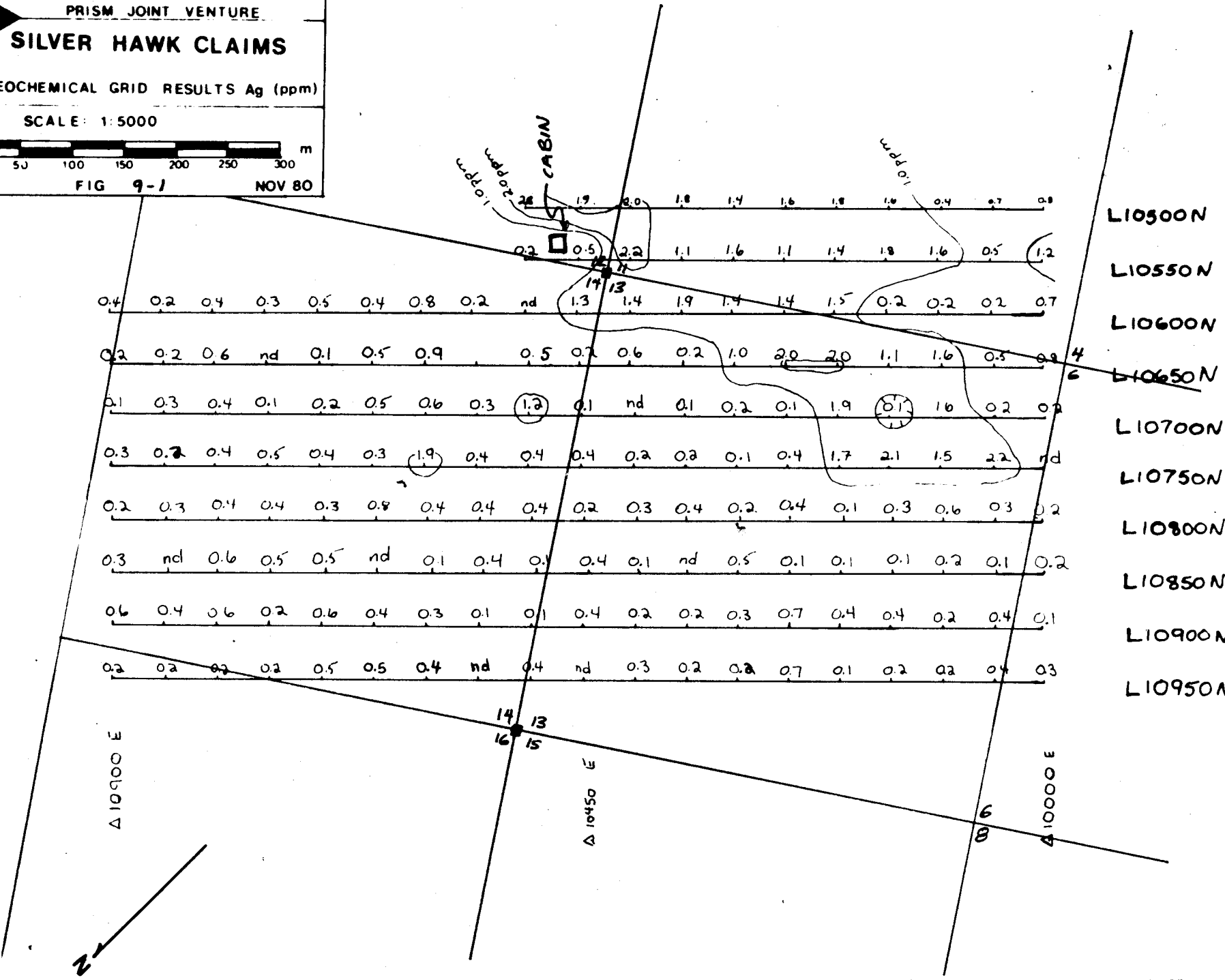
GEOCHEMICAL GRID RESULTS Ag (ppm)

SCALE: 1:5000



FIG 9-1

NOV 80





PRISM RESOURCES LTD

PRISM JOINT VENTURE

SILVER HAWK CLAIMS

GEOCHEMICAL GRID RESULTS Pb(ppm)

SCALE: 1:5000

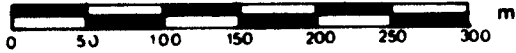
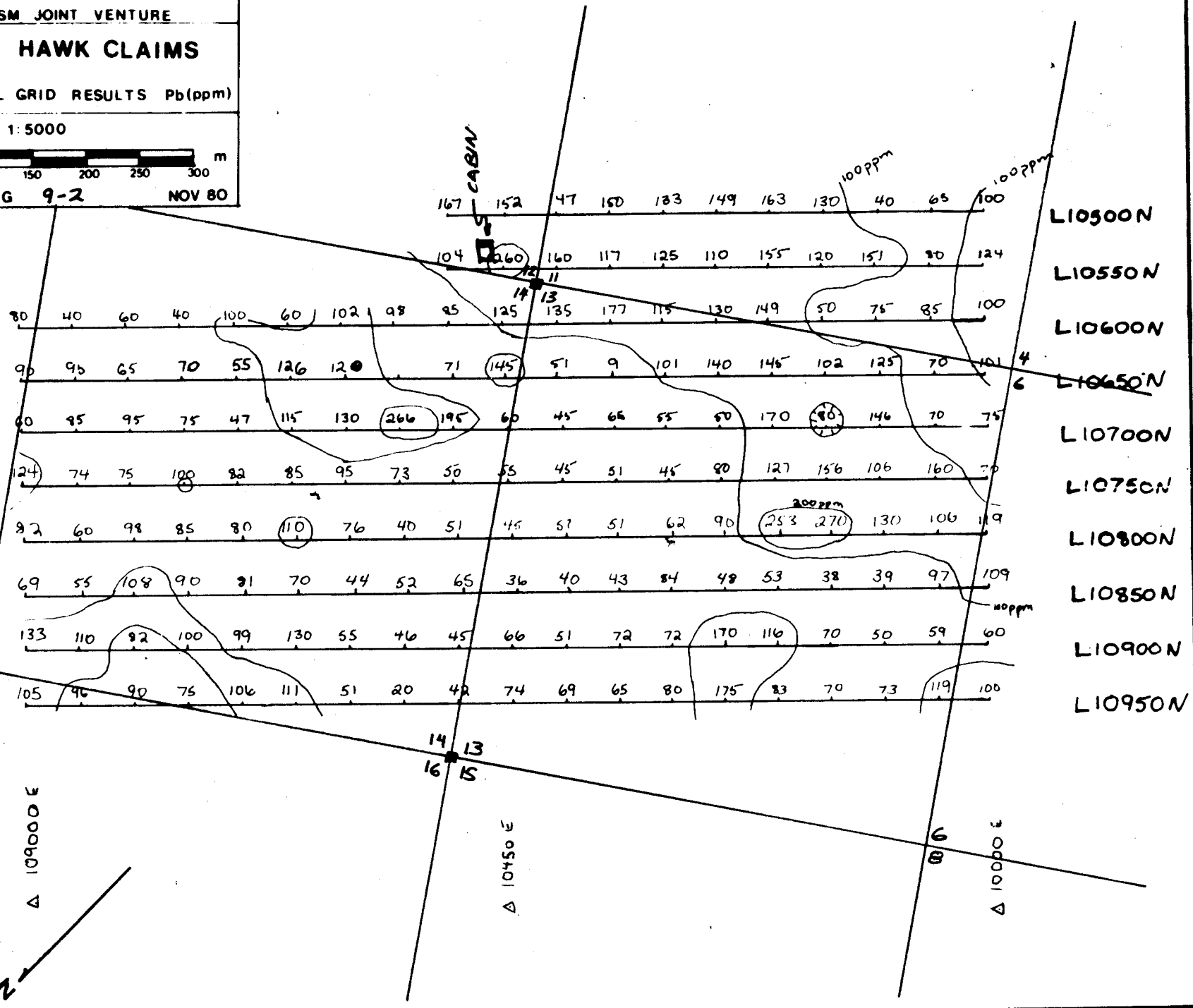


FIG 9-2

NOV 80



PRISM JOINT VENTURE

SILVER HAWK CLAIMS

GEOCHEMICAL GRID RESULTS Zn (ppm)

SCALE: 1:5000

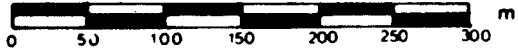
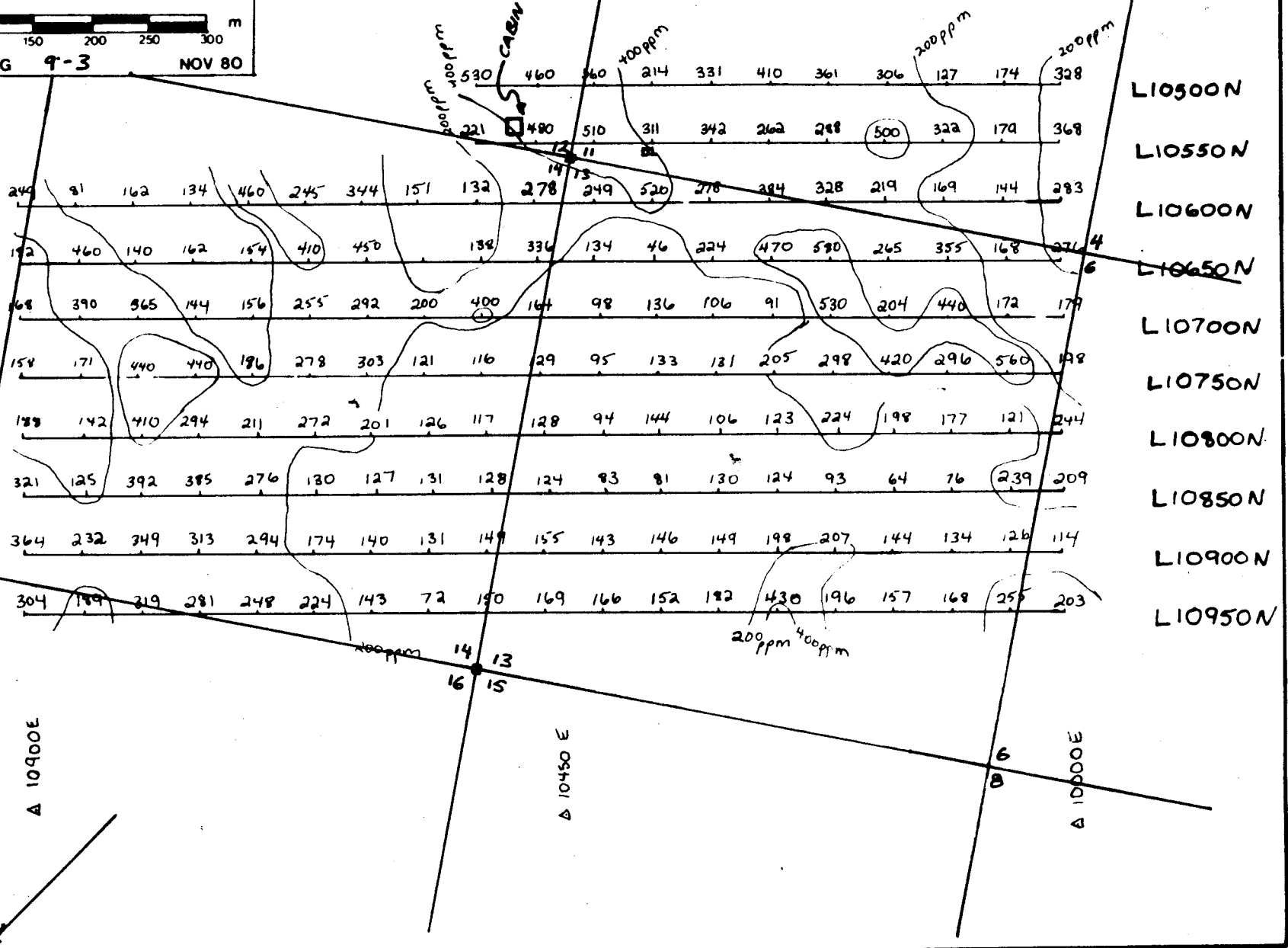


FIG 9-3

NOV 80





PRISM RESOURCES LTD

PRISM JOINT VENTURE

SILVER HAWK CLAIMS

GEOCHEMICAL GRID RESULTS Cu (ppm)

SCALE: 1:5000

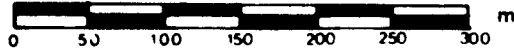


FIG 9-4

NOV 80

151	123	59	75	120	65	93	62	48	38	39								
58	26	140	75	98	70	131	43	75	32	45								
38	14	29	23	24	23	35	45	36	70	98	118	74	110	85	33	33	29	38
38	23	22	20	28	30	35	52	65	28	13	85	118	124	69	72	32	38	4
27	24	23	23	23	28	28	70	217	35	28	28	28	23	108	155	98	30	28
20	16	16	23	18	25	27	20	23	30	20	28	25	49	100	93	65	90	31
37	31	35	31	30	50	36	31	38	31	30	38	18	50	36	196	94	117	38
31	26	32	38	30	26	29	37	34	31	31	6	52	19	35	21	26	80	90
36	40	32	31	41	32	30	29	38	34	37	36	50	44	87	37	24	38	26
29	31	30	26	28	32	24	21	28	34	35	34	36	61	37	41	36	59	28

CABIN



100ppm

100ppm

- L10500N
- L10550N
- L10600N
- L10650N
- L10700N
- L10750N
- L10800N
- L10850N
- L10900N
- L10950N

Δ 10900E

Δ 10450 E

Δ 10000 E

14 13
16 15

6
8



986-5211

VANGEOCHEM LAB LTD. 1521 PEMBERTON AVE., NORTH VANCOUVER, B.C., CANADA XGGG0000X

V7P 2S3

January 20, 1978

TO: Prism Resources Ltd.,
214 - 850 West Hastings Street,
Vancouver, B. C. V6C 1E1

FROM: Vangeochem Lab Ltd.,
1521 Pemberton Avenue,
North Vancouver, B. C. V7P 2S3

SUBJECT: Analytical procedure used to determine hot acid soluble Mo, Cu, Pb, Zn, Ag, and Cd in geochemical silt and soil samples.

1. Sample Preparation

- (a) Geochemical soil or silt samples were received in the laboratory in wet-strength $3\frac{1}{2} \times 6\frac{1}{2}$ Kraft paper bags.
- (b) The wet samples were dried in a ventilated oven.
- (c) The dried soil and silt samples were sifted by using a shaking machine with 80-mesh stainless steel sieves. The plus 80-mesh fraction was rejected and the minus 80-mesh fraction was transferred into a new bag for analysis later.

2. Methods of Digestion

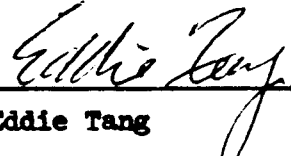
- (a) 0.50 gram of the minus 80-mesh samples was used. Samples were weighed out by using a top-loading balance.
- (b) Samples were heated in a sand bath with nitric and perchloric acids (15% to 85% by volume of the concentrated acids respectively).
- (c) The digested samples were diluted with demineralized water to a fixed volume and shaken.

.....2

3. Method of Analysis

Mo, Cu, Pb, Zn, Ag, and Cd analyses were determined by using a Techtron Atomic Absorption Spectrophotometer Model AA4 or Model AA5 with their respective hollow cathode lamps. The digested samples were aspirated directly into an air and acetylene flame. The results, in parts per million, were calculated by comparing a set of standards to calibrate the atomic absorption unit.

4. The analyses were supervised or determined by Mr. Conway Chun and the laboratory staff.



Eddie Tang
VANGEOCHEM LAB LTD.

ET:mb



VANGEOCHEM LAB LTD.

(604) 986-5211

1521 PEMBERTON AVE., NORTH VANCOUVER, B. C.
CANADA V7P 2S3

IN ACCOUNT WITH:

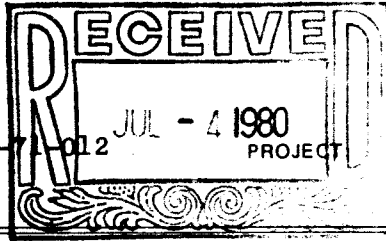
Prism Resources Ltd.
#601 - 409 Granville Street
Vancouver, B.C. V6C 1T2

INVOICE:

5582

DATE: July 2, 1980

TERMS: NET 7 DAYS



FOR REPORT 80-71-012

PROJECT

- PJV

ORDER NO. #80-079

6BL → 9	Rock samples for preparation	@ \$2.00	\$ 18.00
5BL → 131	Soil samples for preparation	@ \$0.50	\$ 65.50
3L 11	Trace analyses for Sn	@ \$3.50	\$ 38.50
3	Trace analyses for Au	@ \$4.00	\$ 12.00
3L 11	Trace analyses for W	@ \$3.75	\$ 41.25
2	Trace analyses for Ag plus Ag background corrected	@ \$1.90	\$ 3.80
8	Trace analyses for Pb, Zn, Ag plus Ag background corrected	@ \$3.40	\$ 27.20
120	Trace analyses for Cu, Pb, Zn, Ag plus Ag background corrected	@ \$4.15	\$ 498.00
Total this invoice			<u>\$ 704.25</u>

Blue Lite 12.00
 2.50
 38.50
 41.25
~~498.00~~
 * 94.25



VANGEOCHEM LAB LTD.

(604) 986 - 5211

1521 PEMBERTON AVE., NORTH VANCOUVER, B. C.
CANADA V7P 2S3

IN ACCOUNT WITH:

Prism Resources Ltd.
#601 - 409 Granville St.
Vancouver, B.C. V6C 1T2

INVOICE:

5591

DATE: July 4, 1980

TERMS: NET 7 DAYS

FOR REPORT 80-71-013

PROJECT:

Xukon

ORDER NO. 80-107

76	Soil samples for preparation	@ \$0.50	\$ 38.00
76	Trace analyses for Cu, Pb, Zn, Ag plus background corrected.	@ \$4.15	\$ 315.40
Total this invoice			<u>\$ 353.40</u>



ALC AIRLIFT CORP.

20769 River Road, Maple Ridge, B.C. V2X 1Z8 Tel: (604) 467-6146

Hangar: Pitt Meadows Airport, B.C. (604) 465-8727

CHARTERER PRISM RESOURCES

ADDRESS _____ JUL 2 1980

ORDER NO. _____

REGISTRATION		BASE		PROJECT		PILOT		ENGINEER	
C-GIPX		KATHLEEN LAKE				NISHIMURA			
DATE		WEATHER		FUEL SUPPLIED BY				SPECIALTY	
JUNE 16/80				CARRIER CHARTERER <input checked="" type="checkbox"/>					
PROJECT TIME BROUGHT FWD			JOURNEY		PASSENGERS			CARGO	
UP	DOWN	TOTAL HRS			NAME	NO.			
		1.3 1.3	SILVER HAWK						
		0.3	REF.						
TOTAL TIME AIRFRAME									
TOTAL TIME ENGINE									

DAILY TOTAL 1.6 AT 225⁰⁰
 PROJECT TOTAL 55.1 AT

AMOUNT \$ 520 ⁰⁰/₁₅

REQUISITIONED BY	CUSTOMER SIGNATURE	PILOT SIGNATURE
	<i>George Simons</i>	<i>A. Nishimura</i>
THIS IS YOUR INVOICE		Nº 0046



ALC AIRLIFT CORP.

20769 River Road, Maple Ridge, B.C. V2X 1Z8 Tel: (604) 467-6146

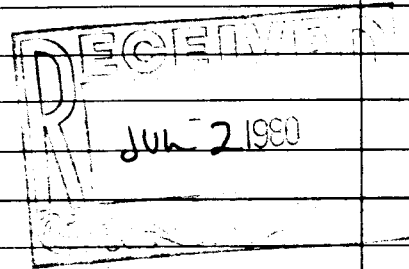
Hangar: Pitt Meadows Airport, B.C. (604) 465-8727

CHARTERER PRISM RESOURCES

ADDRESS _____

ORDER NO. _____

REGISTRATION		BASE		PROJECT		PILOT		ENGINEER	
C-GIPX		KATHLEEN LAKE				NISHIMURA			
DATE		WEATHER		FUEL SUPPLIED BY				SPECIALTY	
JUNE 12/80				CARRIER CHARTERER ✓					
PROJECT TIME BROUGHT FWD			JOURNEY		PASSENGERS			CARGO	
UP	DOWN	TOTAL HRS.			NAME	NO.			
		2.6	VERA						
		0.4	UD (REPEATER INSTALLATION)						
		1.3	SILVER HAWK						
		1.1	MAYO RETURN						
TOTAL TIME AIRFRAME									
TOTAL TIME ENGINE									
DAILY TOTAL		5.4	AT	325	AMOUNT		\$ 1,755 ⁰⁰		
PROJECT TOTAL		40.6	AT						
REQUISITIONED BY				CUSTOMER SIGNATURE			PILOT SIGNATURE		
				George S...			J. Nishimura		
THIS IS YOUR INVOICE					Nº 0042				



ASSESSMENT REPORT

SILVER HAWK CLAIMS 1-16

SOIL GEOCHEMISTRY JUNE 1-1960

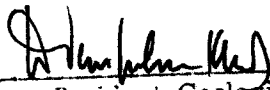
106 D/G

64°-25' - 135°-15'

GEORGE SILVERTZ FOR TRISTAR RESOURCES INC.

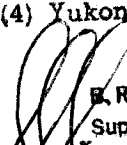
This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of

\$ 2400.00



Resident Geologist or
Resident Mining Engineer

Considered as representation work under
Section 53 (4) Yukon Quartz Mining Act.



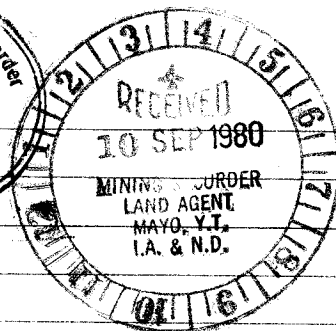
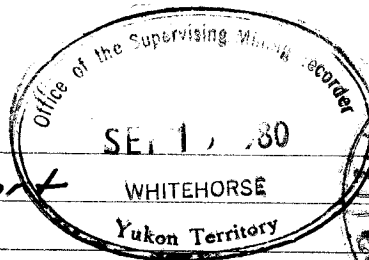
E. R. BAXTER
Supervising Mining Recorder

per _____
Commissioner of Yukon Territory

090649
[Interim]

Assessment Report

Silver Hawk Claims 1-16
Soil Geochemistry
106 D/6



MAYO M.D.

Location: Northwest slope of Grey Copper Hill,
east of Carpenter Creek, Y.T.

Owner: Prism Resources, Ltd.

History: Discovery in 1922-1923. Silver-rich tetrahedrite (var. friebengite) float discovered on what is now S.H. 11 claim. Staked by Prism on May 30, 1978. Work to date has consisted of soil geochemistry on S.H. 8-16 and prospecting on all claims.

Results: (A) Prospecting: Prospecting in 1978-1980 has confirmed the presence of high-grade tetrahedrite float on S.H. # 11 claim. Also present as float and in place are

- (1) Galena-sphalerite quartz veins + vein matter
- (2) Chalcopyrite-siderite veins + vein matter
- (3) Chalcopyrite-magnetite lenses and float
- (4) Tetrahedrite-siderite veins and dump matter

Silver assays suggest that the silver-lead ratio in galena on Grey Copper Hill is 1 oz / 1% lead; silver:copper in tetrahedrite averages 14 oz : 1% Cu.

(B) Geochemistry of S.H. 8, 13, 14, 15, and 16 claims: These claims were soil sampled to facilitate geological evaluation. Little outcrop exists in the area sampled, except greenstone plugs which form topographically positive features in the area. Previously, one of the plugs was drilled near 10500E/10500N, just north and northeast of the cabin. No geological reason for the drilling could be determined, so a soil sampling program was initiated to investigate the area drilled.

Two general anomalies, coincident in Pb-Zn-Cu and to a lesser extent Ag, were found. One is in the southwest corner of the grid, and the other is in the area drilled by the previous operators, in the 10500N-10700N/10500E area.

The cause of the former anomaly is a large, well mixed delta deposit at the mouth of the gulch where most of the mineralization is found. The other is apparently coincident with northeast-trending shears in the greenstone plugs, which occasionally contain a little chalcopyrite, together with calcite, siderite, and ~~pyrite~~ quartz.

(C) Recommendations: Work should be directed at the areas of known mineralization on S.H. 11 and 12. Silver values here are high enough to provide justification for a small trenching/drilling program.

(D) Breakdown of Costs:

(1) Labour:	m.d.	cost.	TOTAL
Sivents	4	94.43	377.72
Hepner	3	56.05	168.15
Churchill	4	81.43	325.72
White	3	50.96	<u>152.88</u>
		Total:	1024.47

(2) Helicopter	2.7 @	^{325.00} 98.35	=	877.50
Fuel	2.7 @	37.50	=	101.25

(3) Sample Analysis + Transport

183 spl @ 5.07 ea = 927.20

183 spl @ 0.50 = \$91.50

GRAND TOTAL: \$ 3021.92

WORK APPLIED FOR: 16 cl @ 150 : \$ 2400.00
(1.5 yr/cl)

Balance: ~~621.92~~ \$ 621.92

(E) Certification:

I, George W.G. Sivents, do hereby certify:

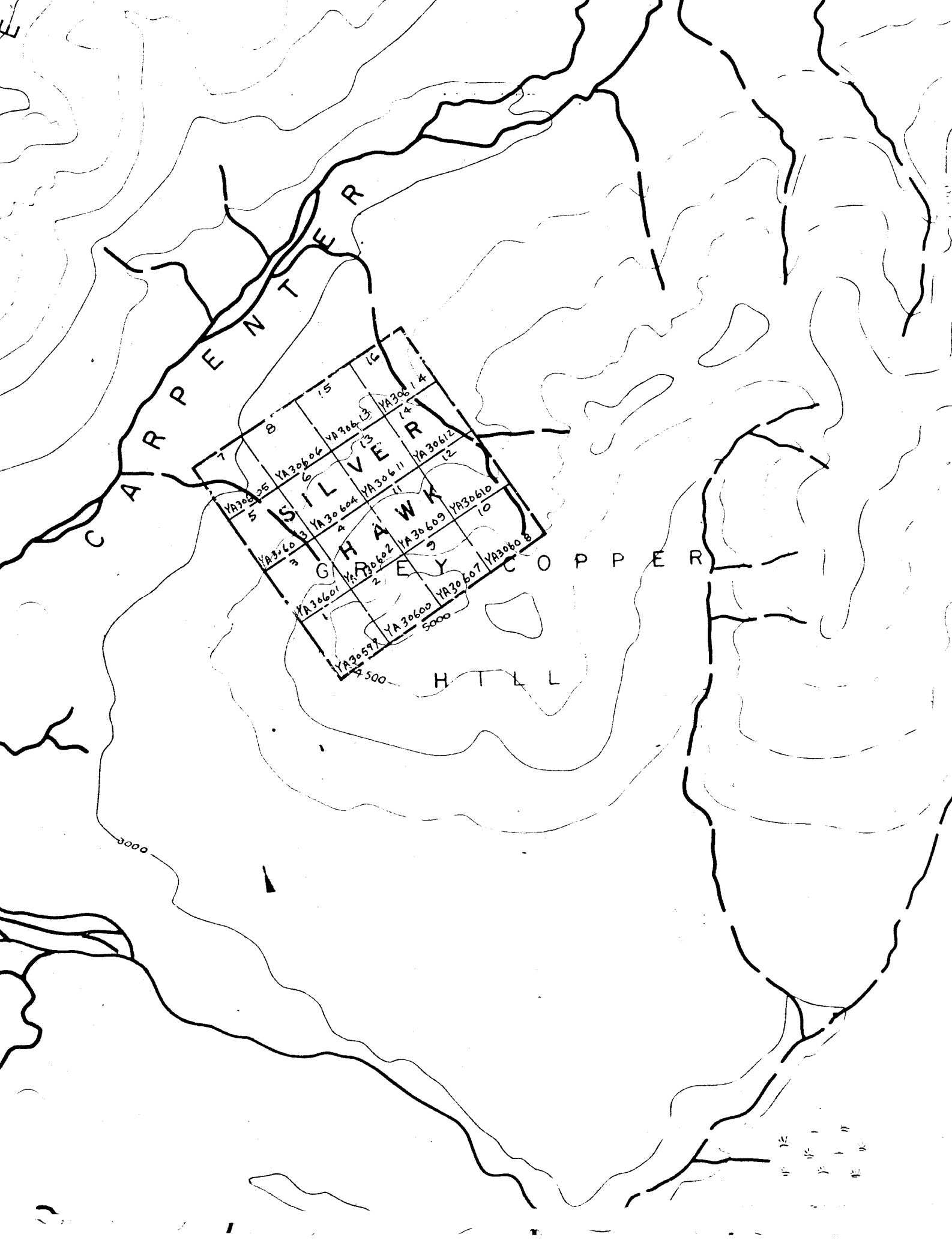
(1) That I received a BSc degree in Honours Geology from UBC in 1976

(2) That I have worked for Prism Resources full time since May, 1978.

(3) That I reside at 3016 W 19th Ave, Vancouver BC

(4) That I personally performed and supervised the work described herein.

George Sivents

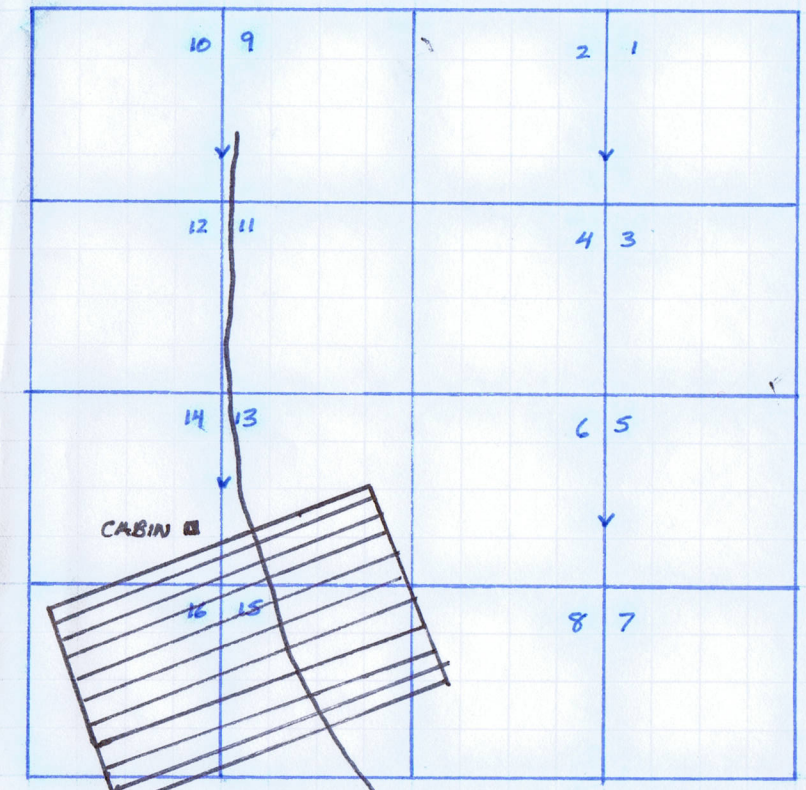
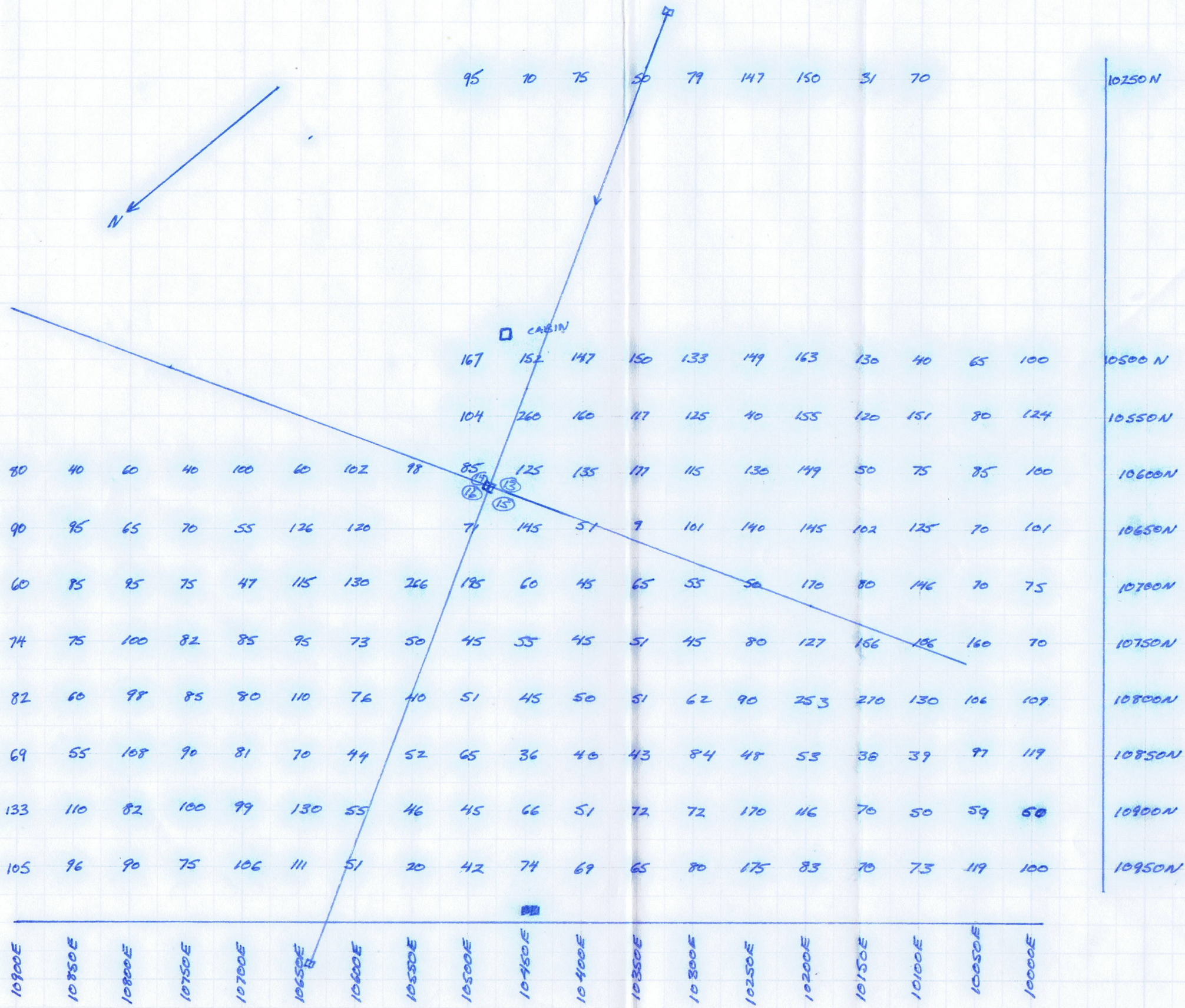


SILVER HAWK CLAIMS

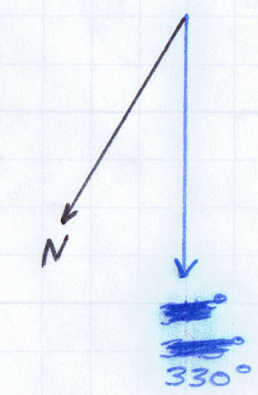
LEAD SOIL GEOCHEMISTRY

SCALE 1:4000

VALUES IN PPM



KEY TO GRID LOCATION



10750N

PRISM RESOURCES

SILVER HAWK CLAIMS

SILVER SOIL GEOCHEM.
(PPM)

1:4000

FOR KEY
REFER TO PB MAP
IN THIS REPORT

10500N

10600N

10700N

N 10800N

10900N

6
5
8
7

12
11

0.8 0.5 0.5 - 0.6 1.1 1.4 0.5 0.3

CABIN

2.8 1.9 2.0 1.8 1.4 1.6 1.8 1.6 0.4 0.7 0.8

0.2 0.5 2.2 1.1 1.6 1.1 1.4 1.8 1.6 0.5 1.2

0.4 0.2 0.4 0.3 0.5 0.4 0.8 0.2 1.3 1.4 1.9 1.4 1.4 1.5 . 0.2 0.2 0.7

14
13

0.2 0.2 0.6 - 0.1 0.5 0.9 0.9 0.5 0.2 0.6 0.2 1.0 2.0 2.0 1.1 1.6 0.5 0.8

0.1 0.3 0.4 0.1 0.2 0.5 0.6 0.3 1.2 0.1 - 0.1 0.2 0.1 1.9 0.1 1.6 0.2 0.2

0.3 0.2 0.4 0.5 0.4 0.3 1.9 0.4 0.4 0.4 0.2 0.2 0.1 0.4 1.7 2.1 1.5 2.2 -

0.2 0.3 0.4 0.4 0.3 0.8 0.4 0.4 0.4 0.2 0.3 0.4 0.2 0.4 0.1 0.3 0.6 0.3 0.2

0.3 - 0.6 0.5 0.5 - 0.1 0.4 0.1 0.4 0.1 - 0.5 0.1 0.1 0.1 0.2 0.1 0.2

0.6 0.4 0.6 0.2 0.6 0.4 0.3 0.1 0.1 0.4 0.2 0.2 0.3 0.7 0.4 0.4 0.2 0.4 0.1

0.2 0.2 0.2 0.2 0.5 0.5 0.4 - 0.4 - 0.3 0.2 0.2 0.7 0.1 0.2 0.2 0.4 0.3

10900E

10800E

10700E

10600E

10500E

10400E

10300E

10200E

10100E

10000E

16
15

10750N

PRISM RESOURCES

SILVER HAWK CLAIMS

COPPER SOL GEOCHEM
(PPM)

10500N

1:4000

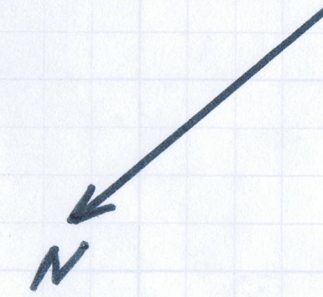
10600N

KEY ON
PB MAP,
THIS REPORT

10700N

10800N

10900N



6
5
7

12
11

29 42 52 35 55 60 62 28 43

161 123 59 75 120 65 93 62 48 38 39

58 126 140 75 98 70 131 43 75 32 45

38 14 29 23 24 23 35 45 36 63 98 118 74 110 85 33 28 38

33 23 22 20 28 30 35 52 65 28 13 85 118 124 59 72 32 38

27 24 23 23 23 28 28 70 212 35 28 28 28 23 108 155 98 30 28

20 16 16 23 18 25 27 20 23 30 20 28 25 49 100 93 65 90 31

37 31 35 31 30 50 36 31 38 31 30 38 18 50 36 196 94 117 38

31 26 32 38 30 26 29 37 34 31 31 6 52 19 35 21 26 80 90

36 40 32 31 41 32 30 29 38 34 37 36 50 44 37 37 24 38 26

29 31 30 26 28 32 24 21 26 34 35 34 36 61 37 41 36 59 28

16
15

10900E
10800E
10700E
10600E
10500E
10400E
10300E
10200E
10100E
10000E

PRISM RESOURCES

10250N SILVER HAWK CLAIMS

ZINC SOIL GEOCHEM

1: 4000 (PPM)

FOR KEY REFER TO FB MAP IN THIS REPORT.

