Assessment Report

GEOLOGY OF THE SILVER HAWK CLAIMS

106D-6 090568

135°16'W 64°26'N

June 8 - June 16, 1979

by
George Sivertz, Prism Resources Limited
Vancouver, B.C.

090568

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

$ 1,600.00

J A Morin

Assistant Geologist or
Professional Engineer

Considered as representation work under Section 37 (4) Yukon Quartz Mining Act.

E. R. BAXTER
Supervising Mining Recorder

for Commissioner of Yukon Territory

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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

	STAKER	RECORD DATE	RECORD NO.	EXPIRY DATE
SILVER HAWK 1 - 8	D.McGregor	20/6/78	YA30599-606	20/6/79
9 - 16	D.Beatty	20/6/78	YA30607-614	20/6/79

3. DEVELOPMENT HISTORY

The area covered by 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 on 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 and exploratory adits driven here and there on the hillside.

4. GEOLOGY

The claims are underlain by grey and orange-weathering grey dolomite, chertydolomite, and siltstone intruded by sills and dykes of pyroxene diorite. Green (1972) has mapped the south area of the claims as limestone and dolomite of Ordovician-Silurian age (Unit 8) overlying orange weathering grey dolomite and siltstone of Proterozoic age (Unit 2) found on the northern section of the claims. The geology on a local scale is more complex than this, but has not been mapped.

5. GEOCHEMISTRY

A total of 58 soil samples were taken from the claims on a grid established during the 1979 field season. The samples were assayed for lead (Pb), Zinc (Zn) and silver (Ag). Many of the samples were analyzed for Copper (Cu) and Gold (Au) in addition to Pb, Zn and Ag.

Several areas of lead and silver anomalies were discovered but no mineralization was ever encountered in place. A small amount of copper mineralized float was discovered around Station 750E, line 1100N results were 750 ppm Cu, 347 ppm Pb, 570 ppm Zn and 4.4 ppm Ag, all values being anomalous. Around the trenches excavated by

by the previous operators soils taken indicated an anomaly with value slightly above background for lead and zinc but values of silver two to three times normal background for this area.

The values at stations 1200N, lines 600E, 650E and 700E show an increase to several times background. The slope of the hill decreases from south to north so the anomalies present have been transported downhill. No mineralization was encountered to explain the high geochemistry.

6. MINERAL OCCURRENCES

A search was made for the vein mentioned in Cockfield's report of 1924, to no avail. However, a caved adit was found, and in the neighbourhood of the adit the siltstones are mineralized with blebs and stringers of chalcopyrite. An outcrop of decomposed dolomite, 300' from the caved adit, was sampled and found to carry 0.6% lead and 1.5 oz. silver per ton. This outcrop is about 3 to 4 meters wide and high and is composed of consolidated dolomite sand of a peculiar yellow colour. No mineralization whatsoever was visible in this outcrop, but its colour attracted attention. Other mineral occurrences on the property were restricted to an area a few hundred feet square with the caved adit at its centre.

Three pieces of float from within this area were assayed. One, a piece of solid tetrahedrite with no known source, assayed 204 ounces of silver per ton. The other two pieces of float had low copper and silver values.

7. CONCLUSIONS AND RECOMMENDATIONS

Prospecting and geochemistry failed to produce any significant areas of interest for future work. The silver rich float found in 1978 still has no known source. Careful prospecting failed to produce any favourable results. No further work is recommended using base level grass-roots style exploration techniques, further consideration must be given to more advanced methods such as geophysics.

STATEMENT OF QUALIFICATIONS

I, GEORGE SIVERTZ, declare that:

1. I am a geologist residing at 3016 West 19th Avenue, Vancouver, British Columbia;

2. I received a B.Sc. Degree in geology (honours) from the University of British Columbia 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 C.I.M.;

5. I am the author of this report and personally performed or supervised the work described herein.

SWORN BEFORE ME at Vancouver
this 11th day of February,
1980

Notary Public in and for
British Columbia

George Sivertz
George Sivertz

APPENDIX A

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

986-5211
TELEPHONE: XXX-XXXX
AREA CODE: 604

• *Specialising in Trace Elements Analyses* •

Certificate of Geochemical Analyses

–IN ACCOUNT WITH–

Prism Resources Ltd.
601, 409 Granville St.
Vancouver, B. C. V6C 1T2
Attention:

Report No: 79 71 008 Page 1 of 1
Samples Arrived: June 20, 1979
Report Completed: June 22, 1979
For Project: Silver Hawk
Analyst: R. N.
Invoice # 5028 Job # 79092

Sample Marking	Pb ppm	Zn ppm	Ag ppm			
L700E 900N	46	153	1.4			
950	72	450	1.6			
L700E 1000N	50	212	1.6			
L750E 900N	148	930	7.3			
L750E 1000N	155	223	2.0			
L800E 900N (A)	165	600	2.8			
L800E 1000N	216	48	5.4			
L850E 1000N	212	500	6.6			
L900E 1000N	108	250	1.9			
L950E 1000N	146	210	2.5			
50	104	265	1.6			
100	73	187	1.2			
150	35	62	0.7			
200	82	203	1.6			
250	45	107	1.2			
300	62	158	1.0			
350	38	106	0.6			
L950E 1400N	43	212	0.8			
L1000E 900N	74	238	1.7			
L1000E 950N	225	680	7.0			
L1000E 1000N	123	388	5.6			
50	125	323	2.0			
L1000E 1100N	70	162	1.2			
L1025E 750N	28	770	3.3			
L800E 900N (B)	55	112	1.5			ROCK

REMARKS: **2 copies of this report with invoice sent Yukon.**

Signed: G. Chen

% Mo x 1.6683 = % MoS_2 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001% nd = none detected ppm = parts per millio

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

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

986-5211
TELEPHONE: [illegible]
AREA CODE: 604

• *Specialising in Trace Elements Analyses* •

Certificate of Geochemical Analyses

–IN ACCOUNT WITH–

Prism Resources Ltd.
#601, 409 Granville St.
Vancouver, B C V6C1T2

Attention:

Report No: 79 71 011 Page 1 of 1
Samples Arrived: June 21 , 1979
Report Completed: June 26, 1979
For Project: Silver Hawk
Analyst: E. Tang
Invoice #5038 Job #79094

Sample Marking	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb
L1050N 450 E	7	61	88	1.2	10
500	6	58	125	1.4	nd
550	7	88	135	1.5	20
600	3	69	107	1.6	5
650	3	51	116	1.4	nd
700	3	56	72	1.4	5
750	4	48	98	1.1	10
800	30	112	225	1.6	20
850	20	76	222	1.4	25
L1050N 900 E	30	74	200	1.6	15
L450 E 1100 N	10	75	143	1.6	20
500	33	128	192	1.7	nd
540	12	151	237	1.8	20
600	15	60	100	1.3	10
650	3	79	117	1.5	10
700	48	311	373	2.4	20
750	750	347	570	4.4	10
800	26	50	140	1.3	nd
850	22	69	125	1.6	nd
L900 E 1100 N	14	121	65	2.2	nd
L1150 N 450 E	14	90	187	1.5	10
500	13	98	152	1.5	nd
550	56	131	190	2.0	15
600	29	125	143	1.6	nd
650	120	170	154	2.1	10
700	20	156	163	1.7	25
L1150 N 750 E	90	298	278	3.9	5
L450 E 1200 N	25	121	208	1.6	10
500	19	88	187	1.4	10
550	30	88	127	0.8	10
600	30	211	163	1.5	5
650	70	900	137	3.5	10
700	52	400	345	2.4	nd
L750 E 1200 N	76	286	60	4.2	nd

REMARKS:

2 copies of this report and invoice sent to Yukon

Signed:

% Mo x 1.6683 = % MoS_2 1 Troy oz./ton = 34.28 ppm 1 ppm = 0.0001% nd = none detected ppm = parts per million

All values are believed to be correct to the best knowledge of the analyst based on the method and instruments used.

APPENDIX B

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

986-5211
XXXXXXX

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 $3\frac{1}{2}$ x $6\frac{1}{2}$ 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.

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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

Eddie Tang
VANGEOCHEM LAB LTD.

ET:mb

VANGEOCHEM LAB LTD. 1521 PEMBERTON AVE [illegible]
986-5211
XXXXXXX
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 Aqua Regia soluble gold in geochemical samples.

1. Method of Sample Preparation

(a) Geochemical soil, silt or rock samples were received in the laboratory in wet-strength 4 x 6 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 using an 80-mesh stainless steel sieve. The plus 80-mesh fraction was rejected and the minus 80-mesh fraction was transferred into a new bag for analysis later.

(d) The dried rock samples were crushed and pulverized to 80-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for later analysis.

2. Method of Digestion

(a) 5.00 grams of the minus 80-mesh samples were used. Samples were weighed out by using a top-loading balance into beakers.

(b) 20 ml of Aqua Regia (3:1 $HCl:HNO_3$) were used to digest the samples over a hot plate vigorously.

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(c) The digested samples were filtered and the washed pulps were discarded and the filtrate was reduced to about 5 ml.

(d) The Au complex ions were extracted into diisobutyl ketone and thiourea medium. (Anion exchange liquids "Aliquot 336").

(e) Separate funnels were used to separate the organic layer.

3. Method of Detection

The gold analyses were detected by using a Techtron model AA5 Atomic Absorption Spectrophotometer with a gold hollow cathode lamp. The results were read out on a strip chart recorder. A hydrogen lamp was used to correct any background interferences. The gold values in parts per billion were calculated by comparing them with a set of gold standards.

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

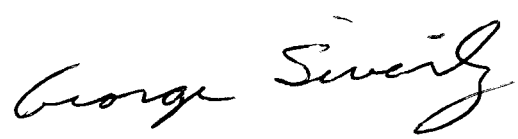
Eddie Tang
VANGEOCHEM LAB LTD.

ET:mb

APPENDIX C

COST BREAKDOWN

Helicopter	1.2 hrs. June 6 0.8 hrs. June 8			
	2.0 hrs. @ $362.50 per hour			$ 725.00
Wages:	m.d.	@/m.d.		
B.Dewonck	1	89.42	$ 89.42	
M. Duiven	2	50.56	101.12	
D. McGregor	1	50.56	50.56	
G.Sivertz	2	84.62	169.24	
	6		410.34	410.34
Camp Costs:	6 m.d. @ $35.00/m.d.			210.00
Geochem Costs:				82.55 260.10
Report Preparation:				100.00
				$1,787.99



[redacted]
VANCOUVER, B.C. [redacted]

APPENDIX D

AVEX HELICOPTERS LTD.

HANGER #3 NORTH BATTLEFORD AIRPORT
NORTH BATTLEFORD, SASK.
(ACCT. OFFICE - 477 LEON AVE., KELOWNA, B.C. V1Y 6J4)
PHONE 604 - 763-4235

CHARTERER PRISM RESOURCES

ADDRESS 601 - 409 GRANVILLE ST.

VANCOUVER B.C. V6C 1T2 ORDER NO.

REGISTRATION	BASE	PROJECT	PILOT	ENGINEER
C-GIPX	KATHLEEN LAKE		NISHIMURA	

DATE	WEATHER	FUEL SUPPLIED BY	SPECIALTY
		CARRIER ..... (1) CHARTERER ..... M	

PROJECT TIME BROUGHT FWD			JOURNEY	PASSENGERS		CARGO
UP	DOWN	TOTAL HRS.		NAME	NO.	
JUNE 8		6.4	ZAP DRILL 1.7 ZAP 0.6 VAL 0.9	VERA 0.4 DEE 0.5 S.H. 0.8 REG 2.0		
JUNE 9	[illegible]	4.7	ZAP DRILL 0.9 ZAP 0.3 VAL 0.6	DEE 0.5 REG 2.2		
JUNE 10		5.5	ZAP DRILL 2.4 ZAP 0.7 VAL 1.1	VERA 0.4 DEE 0.5 REG 0.4		
JUNE 11		5.7	ZAP DRILL 2.6 ZAP 2.6 VAL 0.2	VERA 0.4 DEE 0.5 [illegible] 0.8		
JUNE 12		4.9	ZAP DRILL 2.9 ZAP 0.6 VAL 0.8	VERA 0.3 REG 0.9		
JUNE 13.	JUNE 14.	NO FLIGHT	DUE TO MAIN ROTER BLADE STRIKING INCIDENT.			
JUNE 15		3.3	ZAP DRILL 3.3			
JUNE 16		6.5	ZAP DRILL 3.1 ZAP 0.4 VAL 0.6	S.H. 1.2 REG 1.2		
JUNE 17		6.2	ZAP DRILL 3.5 ZAP 0.6 VAL 0.4	VERA 0.5 DEE 0.6 REG 0.6		
JUNE 18		4.1	ZAP DRILL 0.9 ZAP 0.4 VAL 1.3	VERA 0.5 DEE 0.7 REG 0.3		
TOTAL TIME AIRFRAME						
TOTAL TIME ENGINE						

THIS SHEET
~~DAILY~~ TOTAL 47.8 AT $300 / hour

PROJECT TOTAL 92.4 AT

AMOUNT $ 14340 00

REQUISITIONED BY	CUSTOMER SIGNATURE	PILOT SIGNATURE
	[signature]	[signature]

THIS IS YOUR INVOICE

№ 2112 A

VANGEOCHEM LAB LTD (604) 986 - 5211
1521 PEMBERTON AVE., NORTH VANCOUVER, B. C.
CANADA V7P 2S3

IN ACCOUNT WITH:

Prism Resources Ltd.

INVOICE: 5028

DATE: June 22, 1979

TERMS: NET DAYS

FOR REPORT 79 71 008 PROJECT: Silver Hawk ORDER NO. 79092

24 soil samples for preparation	@$0.45	$ 10.80
1 rock sample for preparation	@$1.75	$ 1.75
25 trace analyses for Pb,Zn,Ag	@$2.80	$ 70.00
Total		$ 82.55

VANGEOCHEM LAB LTD. (604) 986 - 5211
1521 PEMBERTON AVE., NORTH VANCOUVER, B. C.
CANADA V7P 2S3

IN ACCOUNT WITH:

Prism Resources Ltd.

INVOICE: 5038

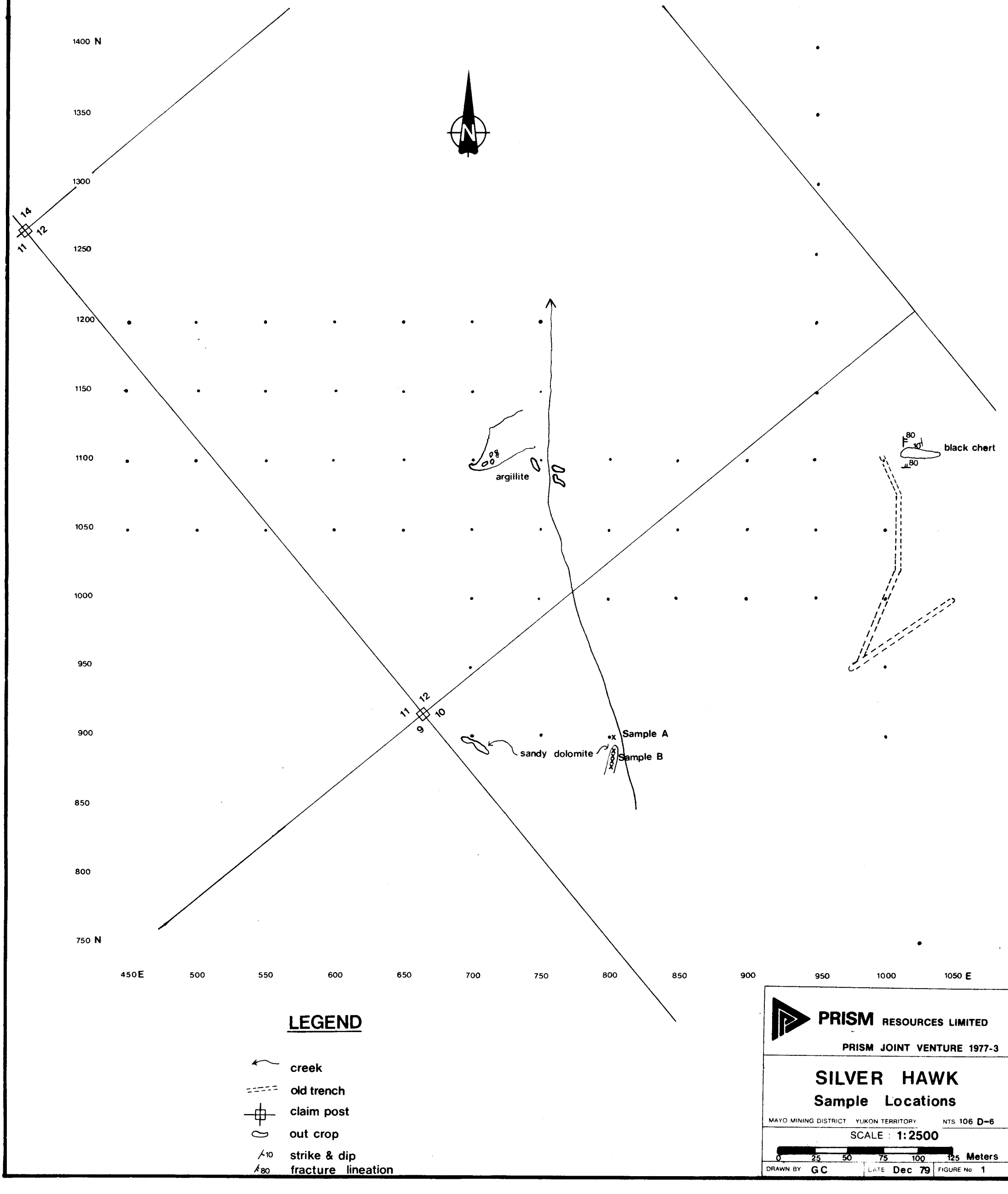
DATE: June 26, 1979

TERMS: NET 14 DAYS

FOR REPORT 79 71 011 PROJECT: Silver Hawk ORDER NO. 79094

34 soil samples for preparations	@$0.45	$ 15.30
34 Trace analyses for Cu,Pb,Zn,Ag,	@$3.45	$117.30
34 Trace analyses for Au	@$3.75	$127.50
Total		$260.10

PAST DUE over 60 days
Please remit



LEGEND

- creek
- old trench
- claim post
- out crop
- 10 strike & dip
- 80 fracture lineation

PRISM RESOURCES LIMITED

PRISM JOINT VENTURE 1977-3

SILVER HAWK

Sample Locations

MAYO MINING DISTRICT YUKON TERRITORY NTS 106 D-6

SCALE : 1:2500

0 25 50 75 100 125 Meters

DRAWN BY GC | DATE Dec 79 | FIGURE No 1