

GEOCHEMICAL REPORT

on

WHITE CLAIM

57°37' N 130°29' W; 104G/9W

NUTTLUDE LAKE AREA, LIARD MINING DIVISION

for

SUNEVA RESOURCES LTD.
333-885 Dunsmuir St.
Vancouver, B.C.

by

J.W. MacLeod, P. Eng.

Nov 29, 1979 Vancouver, B.C.

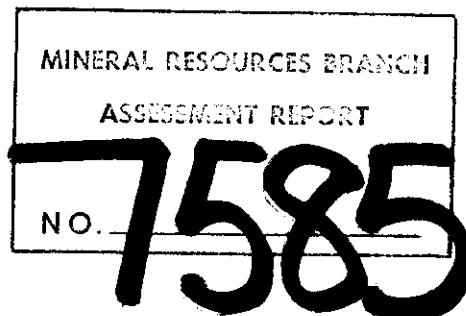


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ILLUSTRATIONS

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SUMMARY

During the past two seasons, exploration programs on the properties of Newhawk Mines Ltd. and Consolidated Silver Ridge Mines Ltd. have uncovered interesting gold values primarily associated with veins and narrow shear zones.

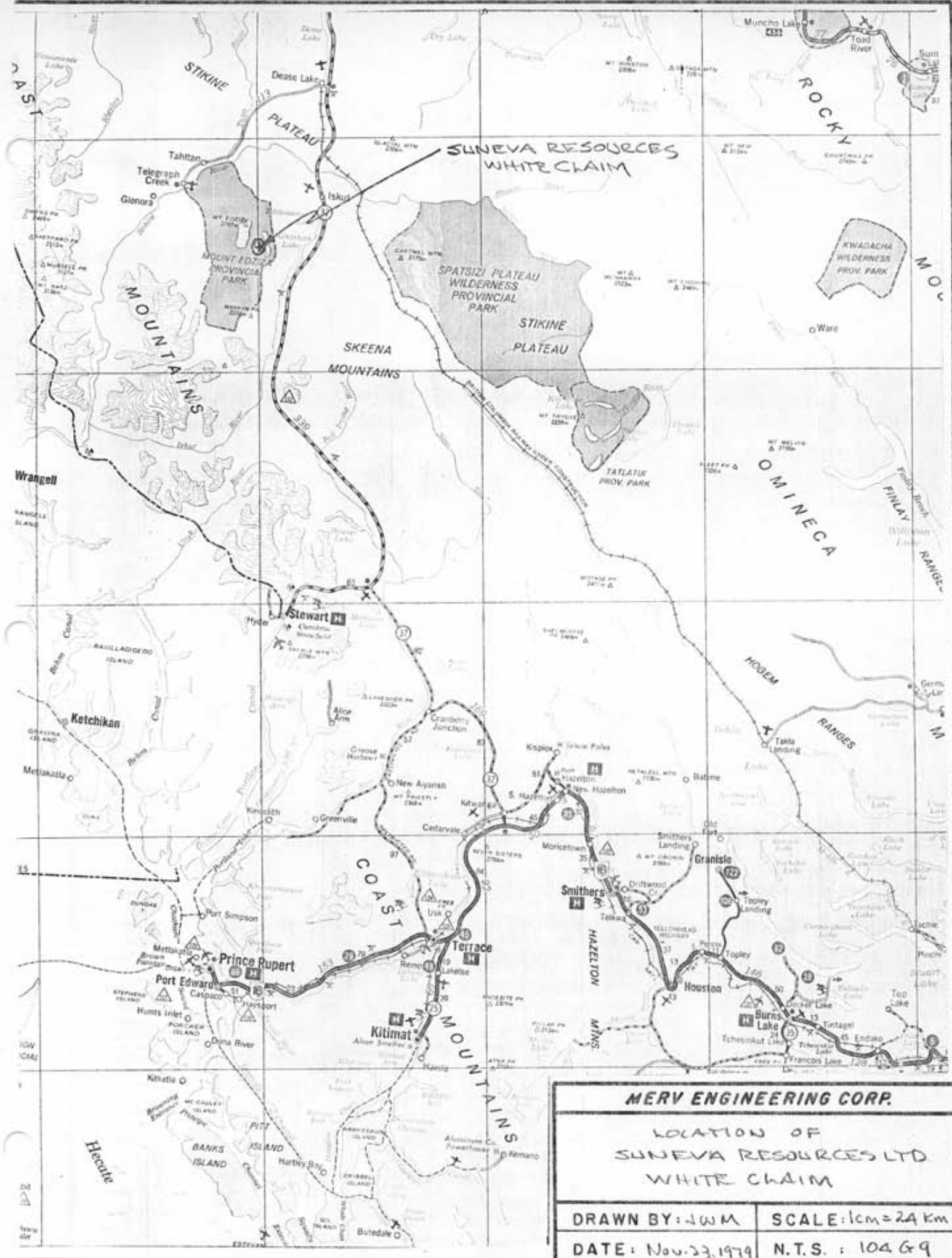
The White Claim of Suneva Resources Ltd. adjoins the fore going to the south and east on strike with the known mineralization. The White Claim was therefore subjected to a preliminary exploration program of soil sampling.

The soil analysis suggest the presence of a gold zone of limited extent which can be confirmed by a few days prospecting.

INTRODUCTION

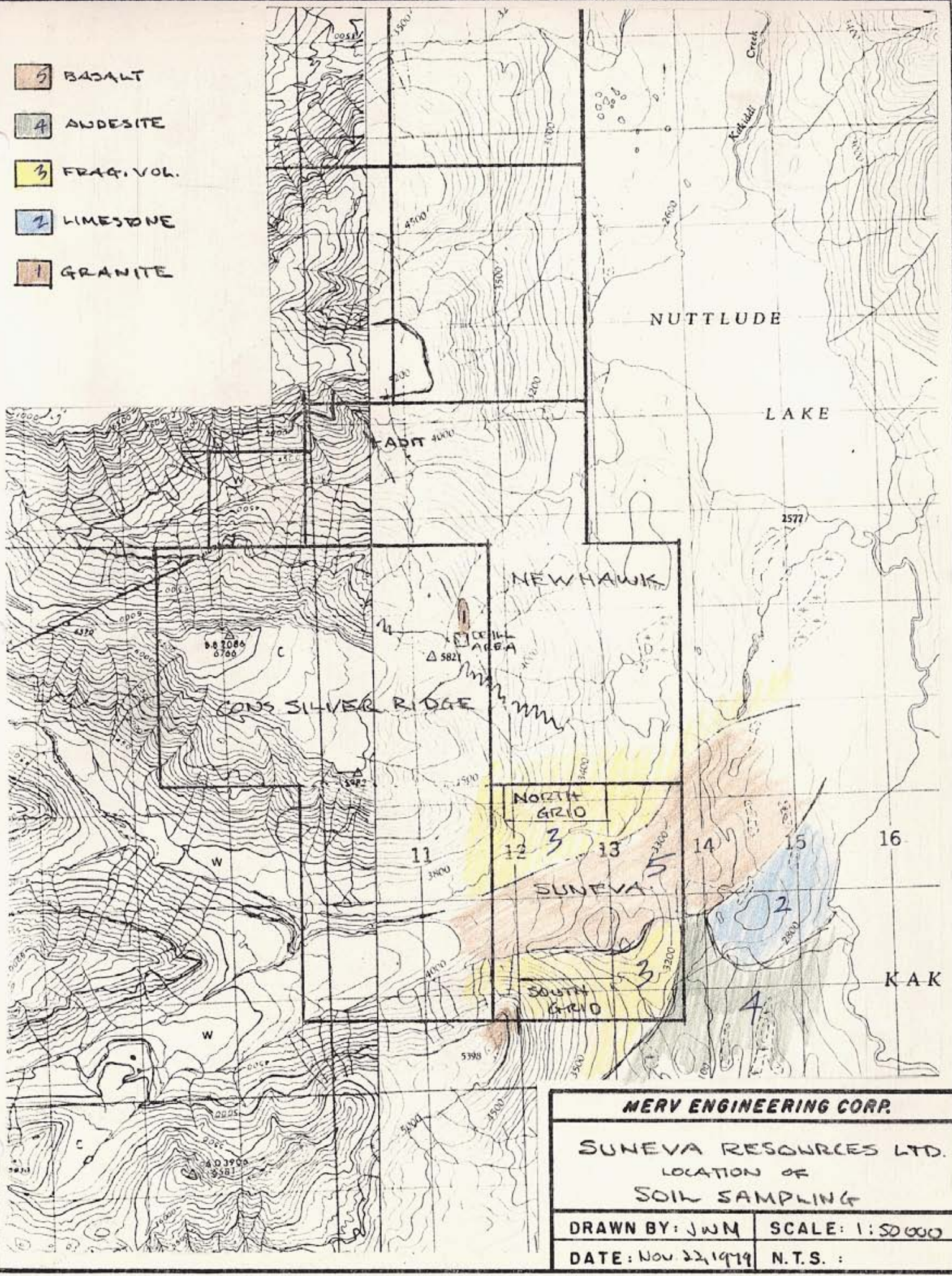
A soil sampling program was carried out on the White Claim from September 21 to October 5 by B. Dent and D. Nagel under the direction of G.A. Noel, P. Eng. Samples were taken in two areas, the North Grid and South Grid as shown on figure 2, page 3. The North Grid was sampled using the Consolidated Silver Ridge camp at Nuttlude Lake, while a fly camp was installed to do the South Grid.

Samples were taken at 50 metre intervals from the B soil horizon on the east-west flagged lines 200 metres apart. The grid is tied in to the grid on the adjoining Consolidated Silver Ridge property.



MERV ENGINEERING CORP.	
LOCATION OF SUNEVA RESOURCES LTD WHITE CLAIM	
DRAWN BY: JWM	SCALE: 1cm = 24 Km
DATE: Nov. 23, 1979	N.T.S. : 104 G 9

- 5 BASALT
- 4 ANDESITE
- 3 FRAG. VOL.
- 2 LIMESTONE
- 1 GRANITE



MERV ENGINEERING CORP.

SUNEVA RESOURCES LTD.
 LOCATION OF
 SOIL SAMPLING

DRAWN BY: JWM SCALE: 1:50000

DATE: Nov 22, 1979 N.T.S. :

PROPERTY

The property consists of one 20 unit claim, record number 723, recorded on October 31, 1978. The legal corner post is located at the north west corner of the claim and the metal tag number is 48212.

GENERAL

The Nuttlude Lake area is located 200km. north of the town of Stewart and is serviced by float equiped craft from the community of Iskut, 40km. to the north east on the Stewart-Cassiar road.

The White Claim, which adjoins Newhawk to the south and Consolidated Silver Ridge to the east, is located 5km. south of the base camp on Nuttlude Lake.

The claim area is located below timberline between 900 and 1500 metres elevation.

The earliest recorded mining activity in this area was by Torbrit Silver which company worked on some gold bearing veins on what is now Newhawk ground, in 1957. The large gossan around the intrusive on Silver Ridge ground was examined for copper by Spartan, Mitsui and Imperial Oil. The latter company drilled three holes and assaying for this core after the ground had been dropped by Imperial, indicated the presence of significant gold values in this area. Followup by Consolidated Silver Ridge during 78 and 79 consisted of soil survey and diamond drilling and Newhawk is presently driving an adit to explore one of the veins detailed by Torbrit.

GEOLOGY

The geology of the area is available in G.S.C. Paper 71-44 by S.G. Souther and in the G.E.M. by A.P. Panteleyev. (1972)

The geology shown on Figure 2 is from Paper 71-44. The central one third of the White Claim is covered by a Cenozoic basalt flow. The topographic setting of this flow suggests it may have followed an old valley and could therefore have protected gold bearing gravels from recent glaciation. The remainder of the claim is underlain by the Upper Triassic unit composed primarily of dacitic pyroclastics with minor silstone. These rocks trend northwest and dip steeply to the west in general, but in detail are much faulted.

Economic mineralization in the area consists primarily of auriferous veins and shears trending north-northwest and dipping steeply to the west. These are known on the adjoining Newhawk and Silver Ridge ground. Porphyry type copper-moly mineralization has been investigated but no significant concentration has been located to date.

GEOCHEMICAL RESULTS

The 286 samples collected from the two grid areas were analysed for Mo., Cu., Zn., Ag., and Au.

Mo. in Soils

Molybdenum values range from 1 to 7p.p.m. none of which can be considered anomalous.

Cu. in Soils

Copper values are for the most part between 20 and 50p.p.m.

Cu. in Soils Continued

with an isolated high of 105p.p.m. which is not significant.

Zn. in Soils

The samples were run for zinc because sphalerite is known to occur with some of the gold bearing veins. Zinc values are mostly below 200p.p.m. with two assays, 380 and 420p.p.m. which would be statistically anomalous but are not to be considered of economic significance.

Au. in Soils

Gold was not detected in the majority of the samples taken. The value of 80p.p.b. at 10640E, 7700N, 110p.p.b. at 10680E, 7600N and 30-40p.p.b. at 10720E, 7500N suggests a possible vein trending north-northwest which is the same strike as the veins on the adjoining properties.

CONCLUSIONS AND RECOMMENDATIONS

Values for Mo., Cu., Zn., and Ag. are uniformly low in the samples taken on the two grids on the White Claim. Although the values of 80 and 110p.p.b. for gold are not particularly high compared to the extensive areas of plus 1000p.p.b. obtained on the adjoining Consolidated Silver Ridge property, they are high enough to warrant detailed prospecting to determine if they indicate a gold bearing quartz vein.

A qualified prospector could determine in 3-4 days at a cost of about \$1,000.00 if the anomalous indications require any serious followup.

Respectfully submitted,



J.W. MacLeod, P. Eng.

Vancouver, B.C.
Nov 26, 1979

APPENDIX A
STATEMENT OF EXPENDITURE

EXPENDITURE

SAMPLE COLLECTION (B. DENT, B.NAGEL)	1,157.34
CAMP SUPPLIES	788.98
BOARD	760.00
GEOCHEMICAL ANALYSES	2,311.10
DRAFTING & PRINTING	83.64
REPORT PREPERATION (J. MACLEOD, 2 DAYS)	<u>500.00</u>
	<u>\$5,601.06</u>

G. A. NOEL & ASSOCIATES, INC.
 622 - 510 West Hastings Street
 VANCOUVER, B. C.
 V6B 1L8

October 4, 1979

Consolidated Silver Ridge Mines Ltd.
 333 - 885 Dunsmuir Street
 VANCOUVER, B. C.
 V6C 1N5

INVOICE

RE: Nuttlude Lake Project

1. Wages

Name	Rate	Days	U.I.C.	C.P.P.	W.C.B.	Total
G.A. Noel	250	30				\$7,500.00
B. Dent	50	12	9.77	9.99	1.80	621.56
D. Nagel	50	12	9.77	9.99	1.80	621.56
						<u>\$8,743.12</u>

Distribution

Name	Cons. Silver Ridge	Newhawk	Suneva	Total
G.A. Noel	5,250.00	2,250.00	-	7,500.00
B. Dent	-	155.39	466.17	621.56
D. Nagel	-	155.39	466.17	621.56
	<u>5,250.00</u>	<u>2,560.78</u>	<u>932.34</u>	<u>\$8,743.12</u>

290.98
2851.76

2. Disbursements made on behalf of Consolidated Silver Ridge Mines Ltd.

Date	Amount	Item
Oct. 1	540.80	Truck rental - Rentway Canada Ltd.
"	27.62	B. C. Telephone - long distance
"	13.54	Multiple Business Services
	<u>581.96</u>	

Handwritten notes:
 CSM total = 3250.00
 Code - 404-01-5
 NRG total = 2560.78
 Code - 160-01-5
 704-5

2625.20
 290.98
 2915.98
 581.96

Sum 782.34
 NRG 2851.76

Code NRG - 50% - 160-01
 CSM - 50% - 404-01

TOTAL DUE... \$9,325.08

283:9200:177:345 2

PASSENGER TICKET AND BAGGAGE CHECK AUDIT COUPON

ISSUED BY
TRANS-PROVINCIAL AIRLINES LTD.
MIRAC, B.C.

SUBJECT TO CONDITIONS OF CONTRACT ON BACK COVER

BAGGAGE	RESERVATIONS					FARE BASIS
	PCS. WEIGHT	FLIGHT	DATE	TIME	STATUS	
GOING		101	09/15/79	09:30	OK	Y
RETURN		U A I D				

NOT GOOD FOR PASSAGE DATE AND PLACE OF ISSUE OF THIS TICKET
FROM

AGENT TO
VT
I S K U T

FARE EQUIV. AMT PAID TAX
90.00

FORM OF PAYMENT
chq

ISSUED IN EXCHANGE / CONJUNCTION WITH

DATE AND PLACE OF ORIGINAL ISSUE
09/15/79

NAME OF PASSENGER
DENT / R

ENDORSEMENTS
SILVER RIDGE
Dane Nagel

RECONFIRM!
1. RETURN RESERVATIONS.
2. STOPOVER RESERVATIONS.
3. RESERVATIONS FROM OTHER THAN POINT OF TICKET PURCHASE.
AT LEAST 6 HOURS PRIOR TO SCHEDULED FLIGHT DEPARTURE

CARRIAGE hereunder is subject to the rules relating to the liability established by the Convention for the Unification of Certain Rules relating to International Carriage by Air signed at WARSAW, October 12th, 1929, unless such carriage is not "international carriage" as defined by said Convention.

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90.00

283:9200:177:344 1

PASSENGER TICKET AND BAGGAGE CHECK AUDIT COUPON

ISSUED BY
TRANS-PROVINCIAL AIRLINES LTD.
MIRAC, B.C.

SUBJECT TO CONDITIONS OF CONTRACT ON BACK COVER

BAGGAGE	RESERVATIONS					FARE BASIS
	PCS. WEIGHT	FLIGHT	DATE	TIME	STATUS	
GOING		101	09/15/79	09:30	OK	Y
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NOT GOOD FOR PASSAGE DATE AND PLACE OF ISSUE OF THIS TICKET
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AGENT TO
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I S K U T

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90.00

FORM OF PAYMENT
chq

ISSUED IN EXCHANGE / CONJUNCTION WITH

DATE AND PLACE OF ORIGINAL ISSUE
09/15/79

NAME OF PASSENGER
DENT / R

ENDORSEMENTS
SILVER RIDGE
Dane Nagel

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PRINTED IN CANADA SYSTEMS EQUIPMENT LIMITED, WINNIPEG

90.00

SNV 180.00

Trans-Provincial Airlines Ltd.

Int. Report Number **1837**

CHARTER AND CONTRACT TICKET

Invoice Number

Charge to: *Consolidated S. Co. - Rate
C/O Ferguson Lodge, 1st B.C.*

Date *Sept 30/77* Cash Phone
A/C Type *Direct* CF- *JPL* Warrant or Reg. No.
Base *1st B.C.* Pilot *D. W. L.*

From: *1st B.C.* To (1) *North Bay*
To (2) *1st B.C.* To (3) *North Bay*
To (4) *Kahului* To (5) *1st B.C.*

FARE	<i>170</i>	Miles @ \$	
		Hours @ \$	
Contract Rate			
Waiting Time		@ \$	
Extra Landings	<i>1</i>	@ \$ <i>14.00</i>	<i>14.00</i>
Pilot Expenses			
Other			
TOTAL CHARGES			\$ <i>235.00</i>

Authorized By *[Signature]*

THIS TICKET IS EXPRESSLY SUBJECT TO THE CONDITIONS AND TERMS PRINTED ON THE REVERSE SIDE OF TICKET AND WHICH ARE HEREBY ACCEPTED (PASSENGER'S SIGNATURES)

- 1
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- 11
- 12

Charge 45.00 to Geneva Resources
Geneva

No **60401**

"PASSENGER LIABILITY LIMITS NOW IN ACCORDANCE WITH PUBLISHED CHARTER TARIFF"

SNV - 45.00

G. A. NOEL & ASSOCIATES INC.
622 - 510 West Hastings Street
VANCOUVER, B. C.
V6B 1L8

October 9, 1979

Suneva Resources Ltd.
333 - 885 Dunsmuir Street
VANCOUVER, B. C.

INVOICE

RE: Nuttlude Lake Project

Expenditures made on behalf of Suneva Resources Ltd.,
Hecate Gold Corp., and Carmac Resources Ltd.

June 22 - Neville Crosbie Inc. - engineering supplies	\$1,027.71
June 22 - Deakin Equipment - camp supplies	1,240.97
June 22 - Vangeochem Labs Ltd. - sample bags	85.80
July 6 - Geological Survey of Canada - maps	12.48
	<u>\$2,366.96</u>

These costs are to be applied against exploration on each company's
properties in the Nuttlude Lake area.

AMOUNT DUE \$788.98

CONSOLIDATED SILVER RIDGE MINES LTD. (N.P.L.)

#333 - 885 DUNSMUIR STREET, VANCOUVER, B.C. V6C 1N5 TELEPHONE (604) 687-7545



Inv. #52
Oct. 31, 1979

SUNEVA RESOURCES LTD.
333 - 885 Dunsmuir St.
Vancouver, B.C.

To charge you with room & board for 2 men @ \$35.00 each.

Sept. 21 - 26 incl.
Sept. 29 & 30
Oct. 4 & 5

10 @ 70.00 700.00

Food Charges fly camp South Grid.

Oct. 1, 2, 3, for 2 men @ 10.00
3 @ 20.00

60.00 \$760.00

*OK Kof
10/4/79*



VNGEOCHEM LAB LTD.

(04) 986-5211

1521 PEMBERTON AVE., NORTH VANCOUVER, B.C.

CANADA V7P 2S3

5351

IN ACCOUNT WITH:

Suneva Resources Ltd.
#333, 885 Dunsmuir St.
Vancouver, B.C. V6C 1N5

INVOICE

DATE: October 25, 1979

TERMS NET 14 DAYS

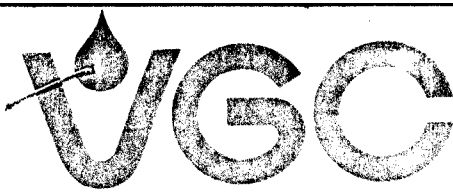
FOR REPORT 79 80 002

PROJECT: --

ORDER NO # 79 321

125	Soil samples for preparation	@ \$ 0.45	\$ 56.25
125	Trace analyses for Mo, Cu, Zn, Ag	@ \$ 3.45	\$ 431.25
125	Ag background corrected	@ \$ 0.25	\$ 31.25
125	Trace analyses for Au	@ \$ 3.75	\$ 468.75
	Sub total		\$ 987.50
200	ea Soil Survey Forms	N/C	
500	ea 4 x 6 Hi-wet strength gusset geochem bags @ \$55.00/m		\$ 27.50
	4% B.C. S.S. Tax		\$ 1.10
	Total this invoice		\$ 1,043.60

White



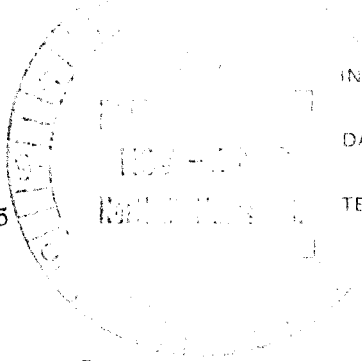
VANGEOCHEM LAB LTD.

(604) 885 5211

1521 PEMBERTON AVE., NORTH VANCOUVER, B.C.
CANADA V7P 1S3

IN ACCOUNT WITH:

Suneva Resources Ltd.
#333 - 885 Dunsmuir St.
Vancouver, B. C. V6C 1N5



INVOICE: 5382

DATE: Nov 7, 1979

TERMS NET 14 DAYS

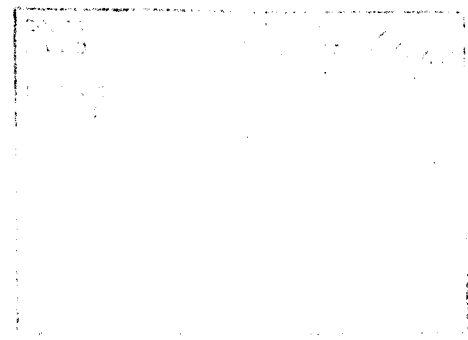
FOR REPORT 79 80 004

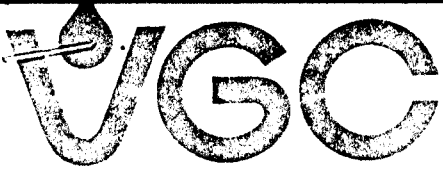
PROJECT: Suneva

ORDER NO. 79 326

155 soil sample for preparation	@\$0.45	\$ 69.75
155 trace analysis for Mo,Cu,Zn,Ag,	@\$3.45	\$ 534.75
155 Ag b/c	@\$0.25	\$ 38.75
155 trace analysis for Au,	@\$3.75	\$ 581.25
total:		<u>\$1224.50</u>

White





ANGEOCHEM LAB LTD.

604) 986 - 5211

1521 PEMBERTON AVE., NORTH VANCOUVER, B. C.

CANADA V7P 2S3

IN ACCOUNT WITH:

Sarawa

Consolidated Silver Ridge Mines Ltd.
#338, 885 Dunsmuir Street
Vancouver, B.C.
V6C 1N5

INVOICE

5365

DATE: October 30, 1979

TERMS NET 14 DAYS

232 F



ada

ther than
and the
spect of
ther than
g and/or
for the

REPORT **Freight Recovery** PROJECT **Shipped to Iskut, B.C.** ORDER NO

Freight charge collected by CP Air to ship paper bags to Iskut, B.C. via Terrace

Waybill # -18 - 55979232 F

\$ 23.00

[Handwritten signatures and notes]
Sarawa
(groceries)

nd agrees

10/31/79

to the
good

MANUFACTURED BY: Vancouver to Terrace BC by CPA Express

APPENDIX B
ANALYTICAL PROCEDURES



986-5211

VANGEOCHEM LAB LTD. 1521 PEMBERTON AVE. NORTH VANCOUVER, B.C. CANADA 604-233-8273

V7P 2S3

To: Suneva Resources Ltd.
#333 - 885 Lunsuir St.
Vancouver, B.C.

From: Vangeochem Lab Ltd.
1521 Pemberton Avunue
North Vancouver, B.C. V7P 2S3

Subject: Analytical procedure used to determine hot acid soluble
Mo, Cu, Zn, & Ag in geochemical silt, soil and rock samples.

Re: Report # 79-80-002 & 79-80-003

1. Sample Preparation

- (a) Geochemical soil, silt or rock samples were received in the laboratory in wet-strength 3½ x 6½ Kraft paper bags and rock samples in 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 hands using a 8" diameter 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.
- (d) The dried rock samples were crushed by using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for later analysis.

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).

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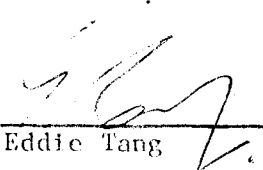
(C) The digested samples were diluted with demineralized water to a fixed volume and shaken.

3. Method of Analysis

Mo, Cu, Zn, & Ag analyses were determined by using a Technicon 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, but Mo digestion were aspirated into an acetylene and nitrous flame. The results, in parts per million, were calculated by comparing a set of standards to calibrate the atomic absorption unit and displayed in a strip chart recorder.

Ag data is background corrected.

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



Eddie Tang

VANGEOCHEM LAB LTD.

ET:jl



986-5211

ANGEOCHEM LAB LTD. 1521 PEMBERTON AVE. NORTH VANCOUVER, B.C., CANADA 604-~~833XXXX~~

V7P 2S3

To: Suneva Resources Ltd.
#535 - 885 Dunsmuir St.
Vancouver, B.C.

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.

Re: Reprot # 79-80-002 & # 79-80-003

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 or rock samples sometimes in 8" x 12" plastic bags.
- (b) The dried soil and silt samples were sifted by hands using a 8" diameter 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.
- (c) The dried rock samples were crushed by using a jaw crusher and pulverized to 100-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:HNO₃) were used to digest the samples over a hot plate vigorously.
- (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").

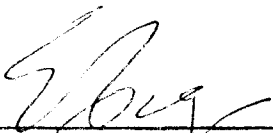
.....2

(c) 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 or Mr. Eddie Tang and his laboratory staff.



Eddie Tang
VANGEOCHEM LAB LTD.

ET: j1



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

TELEPHONE: 986-5211
 AREA CODE: 604

• Specialising in Trace Elements Analyses •

Certificate of Geochemical Analyses

-IN ACCOUNT WITH-


Suneva Resources Ltd.
 #333 - 885 Dunsmuir St.
 Vancouver, B. C. V6C 1N5

Attention:

Report No: **79 80 004** Page 1 of 4
 Samples Arrived: **Oct. 22, 1979**
 Report Completed: **Nov. 7, 1979**
 For Project: **Suneva**
 Analyst: **VGC staff**
 Invoice# **5382** Job# **79 326**

Sample Marking	Mo ppm	Cu ppm	Zn ppm	Ag b/c* ppm	Au ppb
750 N 10480 E	2	60	143	0.2	20
560	1	73	135	0.3	10
600	2	48	155	0.2	nd
640	2	20	180	0.3	nd
680	3	20	110	0.1	10
720	1	20	125	nd	10
840	2	80	55	nd	nd
10880	1	15	60	nd	nd
11000	2	20	80	nd	nd
40	1	43	8	nd	nd
80	2	15	73	0.1	10
120	3	29	108	nd	10
160	2	18	90	nd	nd
200	4	7	40	nd	nd
320	3	10	60	nd	nd
360	4	17	170	nd	nd
750 N 11400 E	3	16	205	nd	20
800 N 10580 E	3	40	190	0.2	10
520	3	28	113	0.6	10
560	1	48	110	0.7	nd
600	1	60	90	nd	nd
640	3	33	123	0.1	nd
680	3	18	160	nd	nd
720	2	27	135	nd	10
760	2	28	20	0.2	10
800	2	12	40	nd	nd
840	2	10	48	nd	nd
880	2	18	80	nd	10
920	4	15	60	nd	30
10960	4	14	145	nd	10
11000	2	13	125	nd	10
40	2	8	28	nd	nd
80	3	20	158	nd	10
120	3	15	115	nd	10
160	3	10	140	0.2	10
200	3	35	50	0.2	10
240	5	10	100	nd	10
280	4	15	230	nd	10
800 N 11320 E	4	13	85	0.2	nd

REMARKS: * Ag with background corrected.

Signed: 



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

TELEPHONE: 986-5211
 AREA CODE: 604

• Specialising in Trace Elements Analyses •

Certificate of Geochemical Analyses

-IN ACCOUNT WITH-

Suneva Resources Ltd.

Report No: **79 80 004** Page **2** of **4**
 Samples Arrived:
 Report Completed:
 For Project:
 Analyst:

Attention:

Sample Marking	Mo ppm	Cu ppm	Zn ppm	Ag b/c* ppm	Au ppb
8800 N 11360 E	4	13	120	0.3	nd
8800 N 11400 E	5	13	160	0.2	nd
8850 N 10480 E	3	33	135	0.8	nd
520	3	45	215	0.6	20
560	4	28	165	1.2	30
600	2	25	380	nd	nd
640 A	2	37	120	nd	nd
640 B	3	40	160	nd	nd
680	3	25	120	nd	10
720	3	15	123	nd	20
760	2	35	83	nd	nd
800	6	10	37	nd	nd
840	3	15	53	nd	nd
880	4	35	115	nd	10
920	5	20	90	0.1	nd
10960	3	13	63	0.1	10
11000	3	10	100	0.1	nd
40	3	10	103	0.1	10
80	3	38	20	nd	10
120	4	15	85	0.1	nd
160	3	8	57	nd	nd
200	1	23	33	0.1	70
240	1	23	77	0.7	nd
360	4	15	140	0.1	10
8850 N 11400 E	4	13	145	nd	nd
8900 N 10920 E	3	15	83	nd	nd
11000	2	35	105	nd	nd
80	4	33	30	nd	nd
120	2	35	143	0.1	nd
160	1	23	20	nd	nd
200	4	18	130	0.2	10
240	4	15	25	nd	nd
280	3	27	104	0.3	nd
320	4	23	95	0.2	nd
360	4	10	50	0.2	30
400	3	15	57	0.1	10
520	3	35	125	0.1	nd
560	2	40	125	nd	20
8900 N 11600 E	3	58	103	0.2	20

REMARKS:

Signed:

Mo x 1.6683 = % MoS₂

1 Troy oz/ton = 31.23 ppm

1 ppm = 0.0001%

nd = not detected

ppb = parts per billion

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

TELEPHONE: 986-5211
 AREA CODE: 604

• Specialising in Trace Elements Analyses •

Certificate of Geochemical Analyses

-IN ACCOUNT WITH-

Suneva Resources Ltd.

Report No: **79 80 004** Page **3** of **4**
 Samples Arrived:
 Report Completed:
 For Project:
 Analyst:

Attention:

Sample Marking	Mo ppm	Cu ppm	Zn ppm	Ag b/c* ppm	Au ppb
8900 N 11640 E	3	48	225	0.1	20
680	3	63	125	0.4	nd
720	3	50	155	0.2	10
760	2	50	113	0.2	nd
800	2	50	98	nd	nd
840	3	70	137	0.4	nd
8900 N 11880 E	2	50	115	nd	nd
9000 N 10560 E	6	73	103	nd	nd
600	4	105	145	nd	nd
640	1	23	78	nd	nd
680	3	40	135	nd	10
720	3	50	123	nd	nd
760	3	55	190	nd	10
800	4	48	190	nd	nd
840	4	37	110	nd	nd
880	2	55	125	nd	10
10920	3	42	115	nd	nd
11040	1	10	50	nd	10
80	1	15	55	0.1	10
120	1	13	45	0.1	10
160	4	15	70	nd	nd
200	3	20	105	nd	nd
240	2	23	33	0.1	nd
280	3	15	148	nd	nd
320	4	12	60	nd	nd
360	4	18	125	0.2	nd
9000 N 11400 E	4	18	95	nd	nd
9050 N 10560 E	3	58	85	nd	nd
600	4	63	75	0.8	nd
640	4	38	53	nd	nd
680	3	57	123	nd	nd
720	3	63	157	nd	nd
760	4	63	113	nd	10
800	3	85	100	nd	nd
840	3	55	170	0.1	10
880	2	30	138	0.3	nd
920	2	43	135	0.1	nd
10960	3	32	140	nd	10
9050 N 11040 E	2	10	33	nd	nd

REMARKS: * Ag with background corrected.

Signed:



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-IN ACCOUNT WITH-

Suneva Resources Ltd.

Report No: **79 80 004** Page **4** of **4**
 Samples Arrived:
 Report Completed:
 For Project:
 Analyst:

Attention:

Sample Marking	Mo ppm	Cu ppm	Zn ppm	Ag b/c * ppm	Au ppb
9050 N 11080 E	3	23	107	0.1	nd
120	2	12	73	0.1	10
160	3	22	37	0.2	nd
200	3	23	33	nd	10
240	3	23	165	0.1	nd
280	4	20	155	0.2	nd
320	4	15	135	0.2	10
360	3	32	108	0.2	nd
9050 N 11400 E	4	38	140	0.2	20
9100 N 10200 E	4	45	150	0.7	10
240	4	68	160	0.6	nd
280	3	43	90	0.4	20
360	5	55	68	nd	nd
400	4	33	68	0.2	nd
480	2	45	135	nd	10
520	3	58	138	nd	10
560	5	35	85	0.4	nd
600	4	55	162	0.4	nd
640	4	48	125	0.1	10
680	3	45	130	0.2	nd
720	1	33	120	nd	nd
760	2	43	215	nd	10
800	nd	25	105	nd	10
840	4	40	85	0.2	10
880	2	33	73	nd	nd
920	2	20	130	nd	nd
10960	2	23	33	nd	nd
11000	1	15	45	nd	nd
40	3	13	143	nd	10
80	3	13	125	nd	nd
120	3	25	70	nd	nd
160	5	17	40	nd	nd
200	4	20	65	0.2	10
240	3	43	110	nd	nd
280	3	37	98	nd	10
320	2	43	125	nd	10
360	2	25	75	0.1	nd
9100 N 11400 E	4	15	90	nd	10

REMARKS: • Ag with gbackground corrected.

Signed: 

% Mo x 1.6683 = % MoS₂

1 Troy oz. Au = 31.1035 g Au

1 ppm = 0.0001%

nd = not 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.



VANGEOCHEM LAB LTD.
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-IN ACCOUNT WITH-
 Suneva Resources Ltd.
 #333, 885 Dunsmuir St.
 Vancouver, B.C. V6C 1N5
 Attention:

Report No: 79 80 002 Page 1 of 4
 Samples Arrived: October 16, 1979
 Report Completed: October 25, 1979
 For Project: --
 Analyst: E.T. & VGC Staff
 Invoice: #5351 Job #79 321

Sample Marking	Mo ppm	Cu ppm	Zn ppm	Ag b/c* ppm	Au ppb
6800 N 11040 E	6	21	65	0.2	10
080	5	15	127	0.5	nd
120	3	30	117	0.2	nd
6800 N 11160 E	3	22	70	0.4	nd
6850 N 11040 E	4	23	137	nd	nd
6900 N 11040 E	2	77	108	nd	15
120	3	17	66	0.4	10
160	2	22	175	0.2	20
200	3	40	130	0.4	10
240	3	21	90	0.1	5
280	1	35	36	0.1	nd
320	2	17	68	0.1	nd
360	3	10	70	0.4	nd
6900 N 11400 E	3	45	115	0.7	nd
6950 N 11080 E	4	28	160	0.2	nd
120	3	40	107	0.2	10
280	3	25	155	0.4	5
320	5	26	142	0.6	30
360	4	9	55	0.6	55
6950 N 11400 E	3	21	62	0.2	nd
7000 N 11000 E	5	30	81	0.7	nd
200	3	31	155	0.4	5
240	5	25	68	0.2	25
280	2	58	145	0.4	nd
320	2	42	78	0.3	nd
360	3	17	118	0.1	15
7000 N 11400 E	3	12	48	0.2	nd
7050 N 11000 E	4	23	87	0.7	nd
040	3	35	270	0.7	nd
120	3	28	87	0.2	nd
160	4	25	56	0.3	15
240	3	18	32	0.4	nd
280	3	27	70	0.2	10
7050 N 11400 E	4	42	126	0.1	nd
7100 N 11040 E	8	26	75	0.6	nd
160	3	32	127	0.3	20
320	3	35	104	0.1	10
360	3	23	120	0.3	nd
7100 N 11400 E	2	29	195	0.5	nd

REMARKS:

*Ag Background corrected.
 One copy sent to Mr. Gerry Noel at Iskut, B.C.

Signed:

% Mo x 1.6683 = % MoS₂ 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.



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

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-IN ACCOUNT WITH-
 Suneva Resources Ltd.

Report No: 79 80 002 Page 2 of 4
 Samples Arrived:
 Report Completed:
 For Project:
 Analyst:

Attention:

Sample Marking	Mo ppm	Cu ppm	Zn ppm	Ag b/c* ppm	Au ppb
7150 N 11080 E	5	31	130	0.5	10
120	4	26	101	nd	15
160	7	30	94	0.5	nd
200	5	47	175	1.2	nd
240	6	62	146	1.4	nd
7150 N 11280 E	3	23	82	0.4	nd
3500 N 10520 E	2	72	115	0.2	nd
560	3	15	112	0.1	10
600	2	26	420	0.2	nd
640	3	20	147	0.2	nd
680	2	86	115	0.2	40
720	2	72	122	0.1	30
760	3	70	137	0.2	25
800	3	60	146	0.6	nd
840	2	96	135	0.6	10
880	3	10	43	0.1	nd
920	3	11	70	nd	nd
10960	4	10	72	0.2	nd
11040	4	17	70	0.2	30
080	4	7	47	nd	10
120	3	22	98	0.2	nd
160	2	40	92	nd	15
200	3	15	81	0.2	nd
240	4	15	81	0.2	nd
280	3	13	96	nd	nd
320	2	12	75	0.4	10
360	2	12	56	0.3	nd
3500 N 11400 E	3	6	47	0.1	nd
3600 N 10520 E	2	52	106	0.3	25
560	4	57	145	0.1	20
640	2	67	120	nd	50
680	3	65	122	0.5	110
10720	3	82	130	0.2	15
11000	4	15	103	0.1	nd
040	4	4	37	nd	nd
080	4	12	100	0.2	15
120	3	17	120	nd	nd
240	4	10	34	0.2	nd
3600 N 11280 E	3	12	55	0.4	nd

REMARKS:

Ag* background corrected.
 One copy sent to Mr. Gerry Noel at Iskut, B.C.

Signed:



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

TELEPHONE: 986-5211
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• Specialising in Trace Elements Analyses •

—IN ACCOUNT WITH—
 Suneva Resources Ltd.

Report No: 79 80 002 Page 3 of 4
 Samples Arrived:
 Report Completed:
 For Project:
 Analyst:

Attention:

Sample Marking	Mo ppm	Cu ppm	Zn ppm	Ag b/c* ppm	Au ppb
6600 N 11320 E	3	12	65	0.2	nd
360	3	14	70	0.1	10
6600 N 11400 E	4	10	25	0.4	10
6650 N 10600 E	3	66	110	0.4	20
840	3	10	51	0.2	nd
880	3	8	42	0.3	nd
920	2	8	60	0.3	nd
10960	2	12	76	nd	nd
11080	4	10	70	0.1	nd
120	4	7	42	0.2	5
6650 N 11160 E	3	12	47	0.2	nd
6700 N 10600 E	2	52	170	1.4	10
640	3	30	235	0.5	80 →
840	4	20	167	0.6	10
880	3	47	122	0.5	5
920	2	51	50	0.4	nd
10960	2	22	218	nd	nd
11000	3	12	115	0.2	nd
040	3	16	97	0.1	5
080	3	12	74	0.2	nd
120	3	7	52	0.2	nd
160	5	20	198	0.1	5
200	3	7	57	0.2	5
280	4	15	87	0.2	nd
320	4	8	65	0.4	nd
360	3	15	138	0.1	10
6700 N 11400 E	3	17	127	0.2	20
6950 N 10600 E	3	47	65	0.6	5
640	2	26	91	1.2	5
680	1	12	55	0.4	10
720	3	44	133	0.3	nd
760	2	37	160	0.1	nd
800	3	23	157	0.4	nd
840	3	22	215	0.1	nd
880	3	12	48	0.2	10
920	4	15	97	0.2	nd
10960	2	18	95	0.3	10
11000	2	37	138	0.3	nd
6950 N 11040 E	2	12	137	0.3	nd

REMARKS: *Ag background corrected.

Signed:

% Mo x 1.6683 = % MoS₂ 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 C

ENGINEERS CERTIFICATE

CERTIFICATE

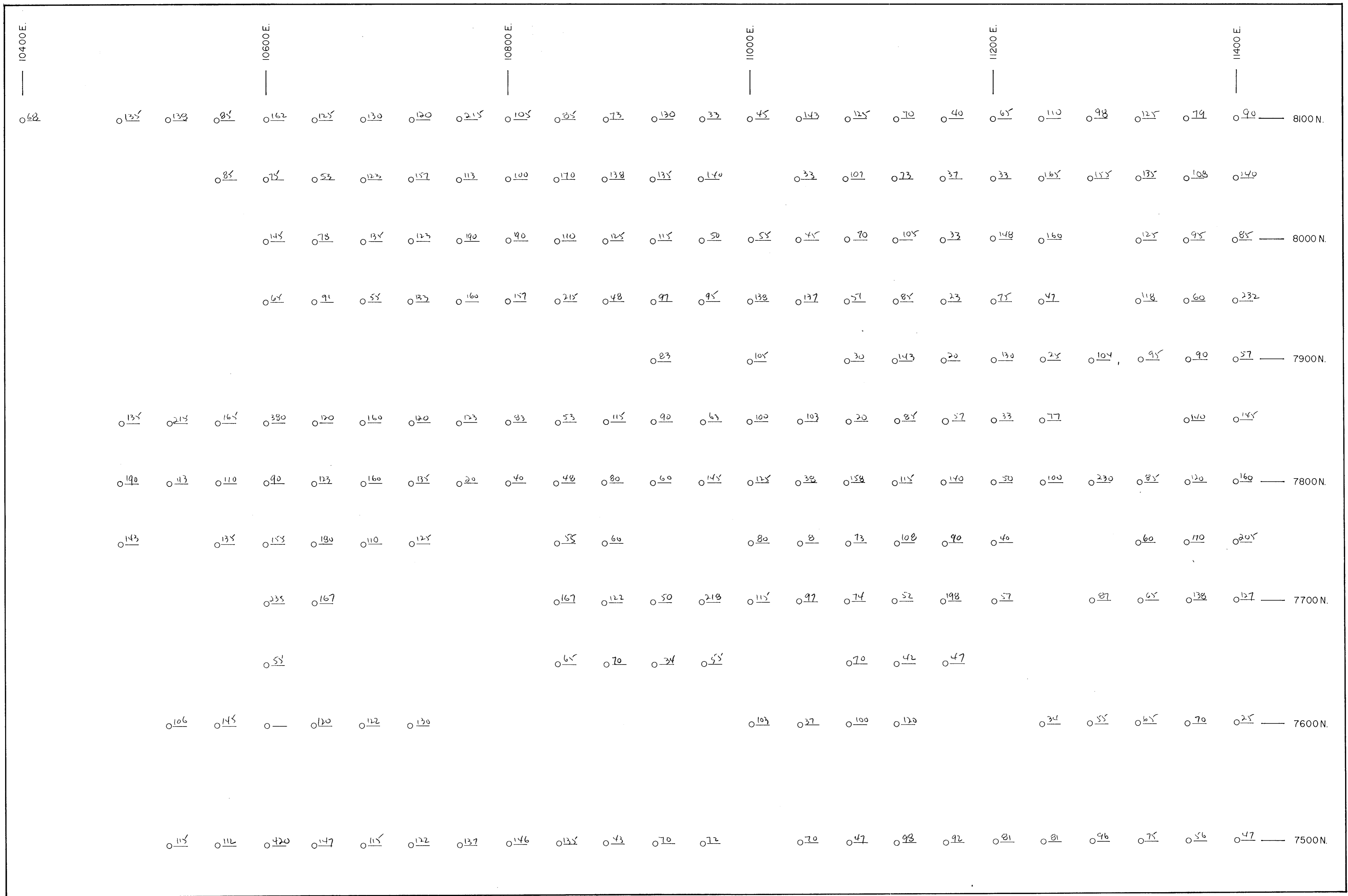
I, James W. MacLeod, of 1220 Arbutus Street, in the city of Vancouver, in the Province of British Columbia.

DO HEREBY CERTIFY:

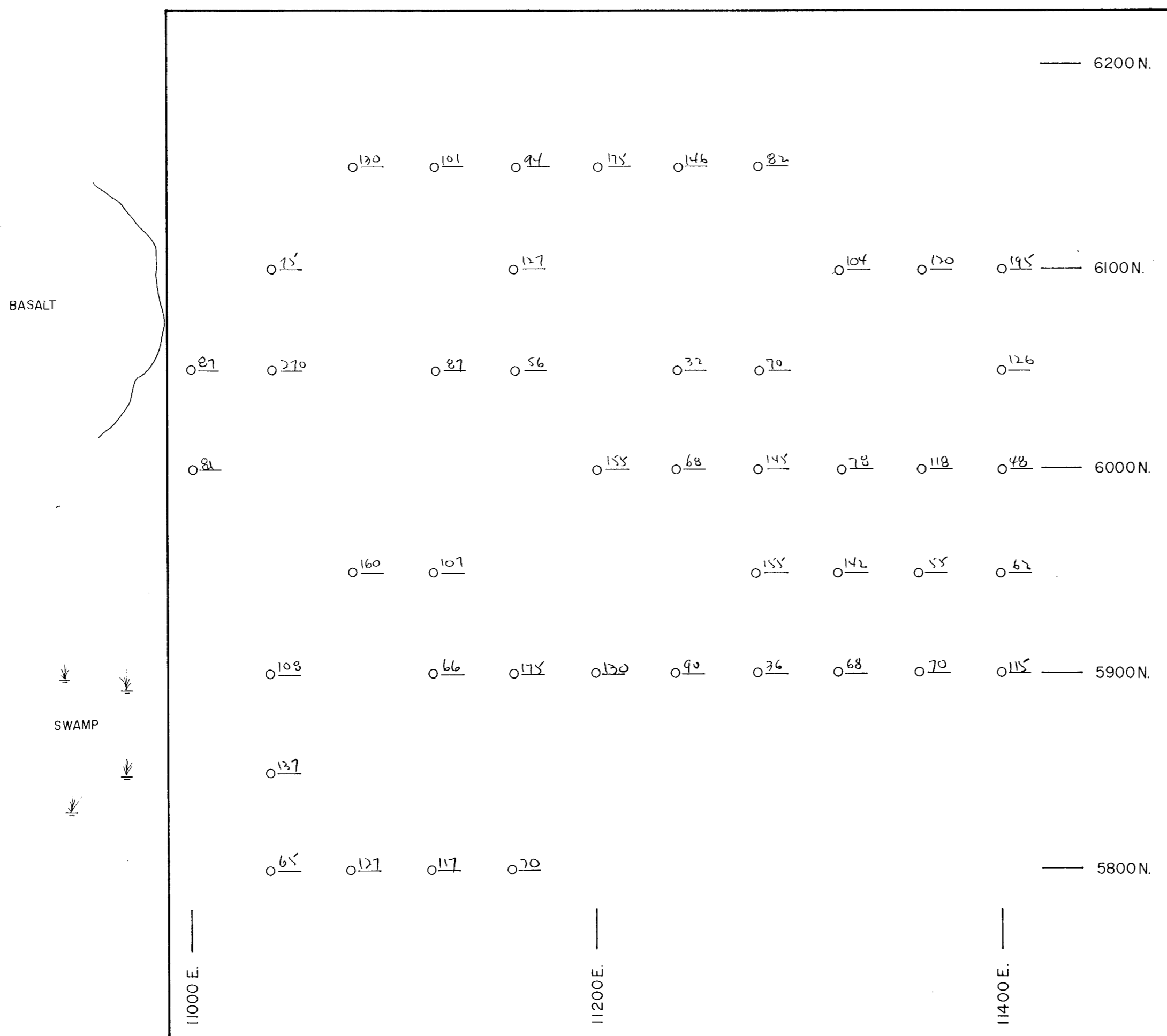
1. That I am a Consulting Engineer, with a business address at 333-885 Dunsmuir Street, in the City of Vancouver, in the Province of British Columbia.
2. That I am a graduate of the University of Alberta with the degree of B. Sc. in Mining Engineering.
3. That I have actively practiced my profession in mineral exploration since graduation in 1946.
4. That I am a registered Professional Engineer in the Province of British Columbia.
5. That this report on the White Claim is based on an association with the work programs carried out over the past two seasons on the adjoining properties of Consolidated Silver Ridge Mines and Newhawk Mines.


J.W. MacLeod, B.Sc., P. Eng.

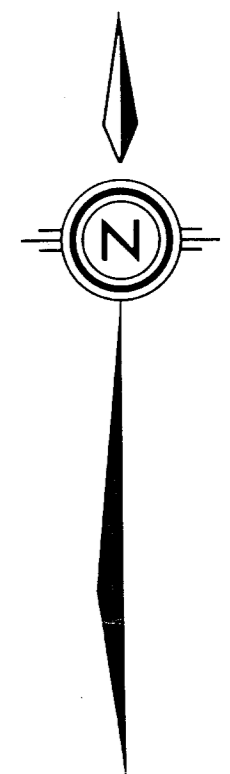
Dated at the City of Vancouver
Province of British Columbia
this 26th day of November, 1979



NORTH GRID



SOUTH GRID



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. **7585**

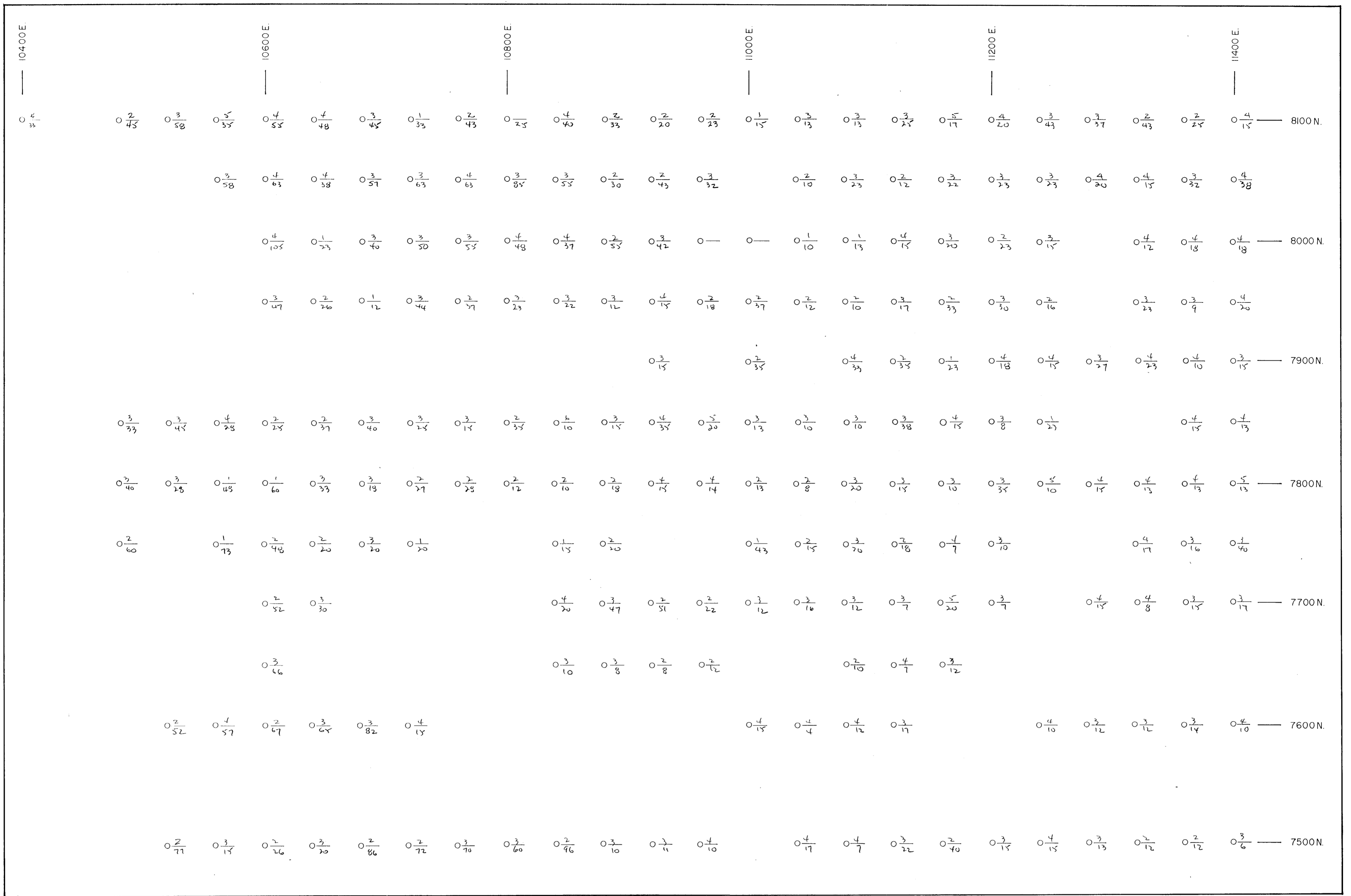
LEGEND

○ 195 Zv. in PPM

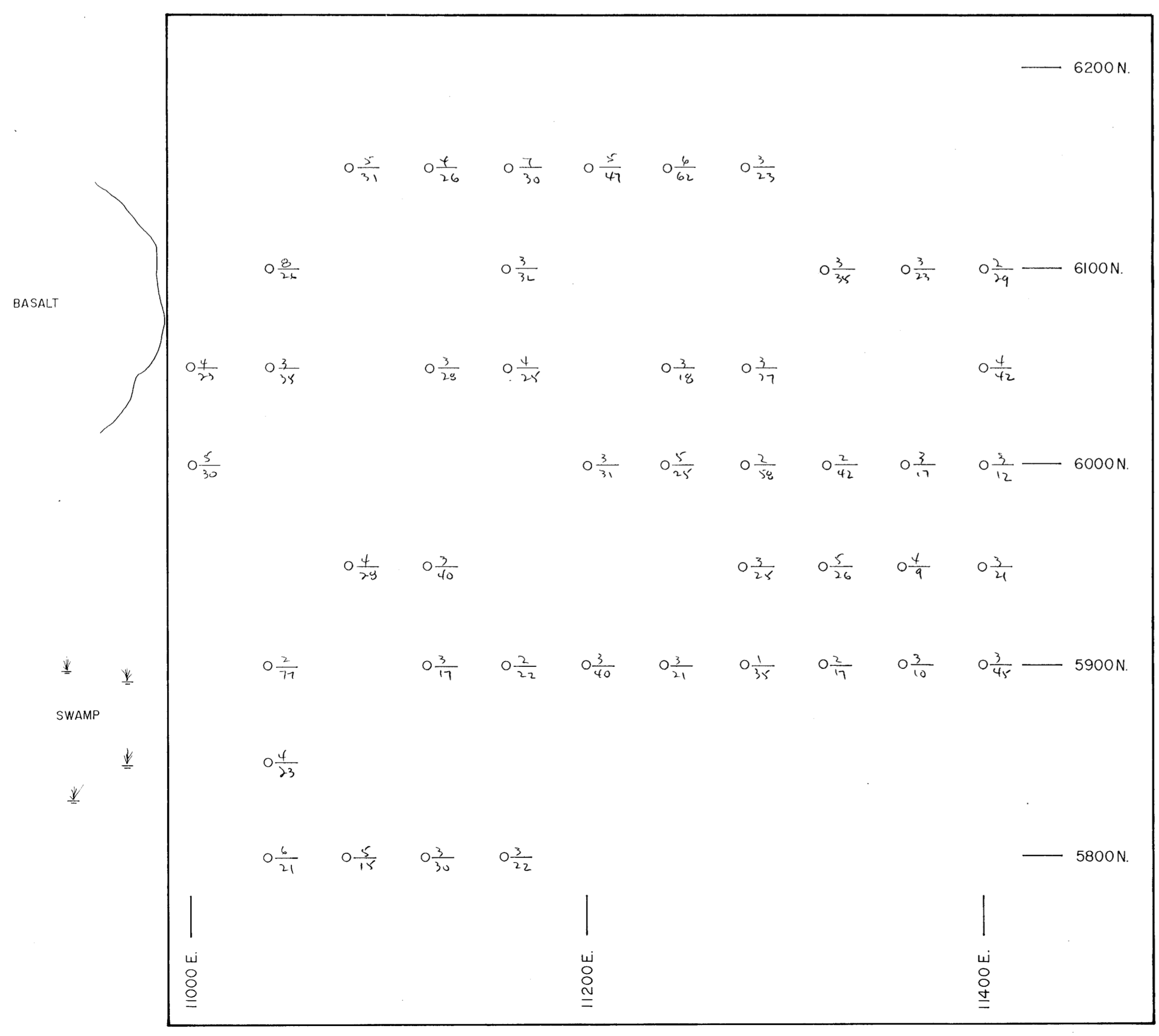


TO ACCOMPANY REPORT ON WHITE CLAIM BY: *J. W. M. Howard* Nov 26, 1979

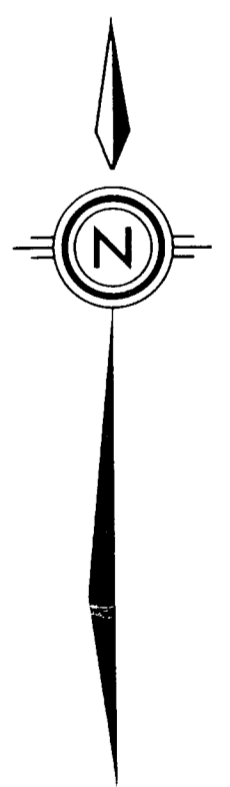
MERV ENGINEERING CORPORATION	
SUNEVA RESOURCES LTD. WHITE CLAIM	
ZINC IN SOILS	
Drawn by: J. W. M.	Scale: 1 : 2000
Date: Nov 26, 1979	NTS. 104 & 9



NORTH GRID



SOUTH GRID



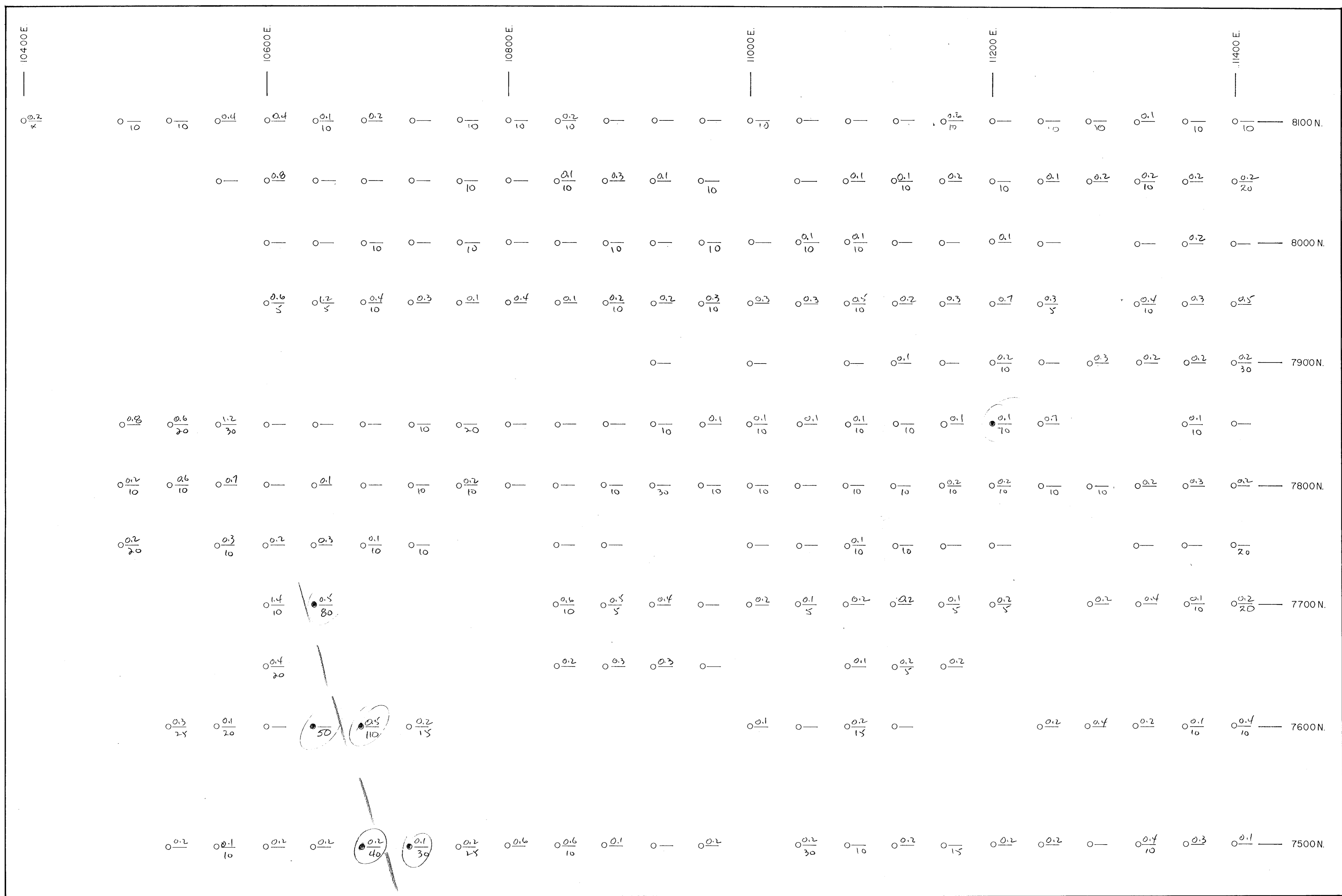
MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
7585
NO.

LEGEND
0 $\frac{4}{35}$ Mo in P.P.M.
0 $\frac{3}{35}$ Cu in P.P.M.

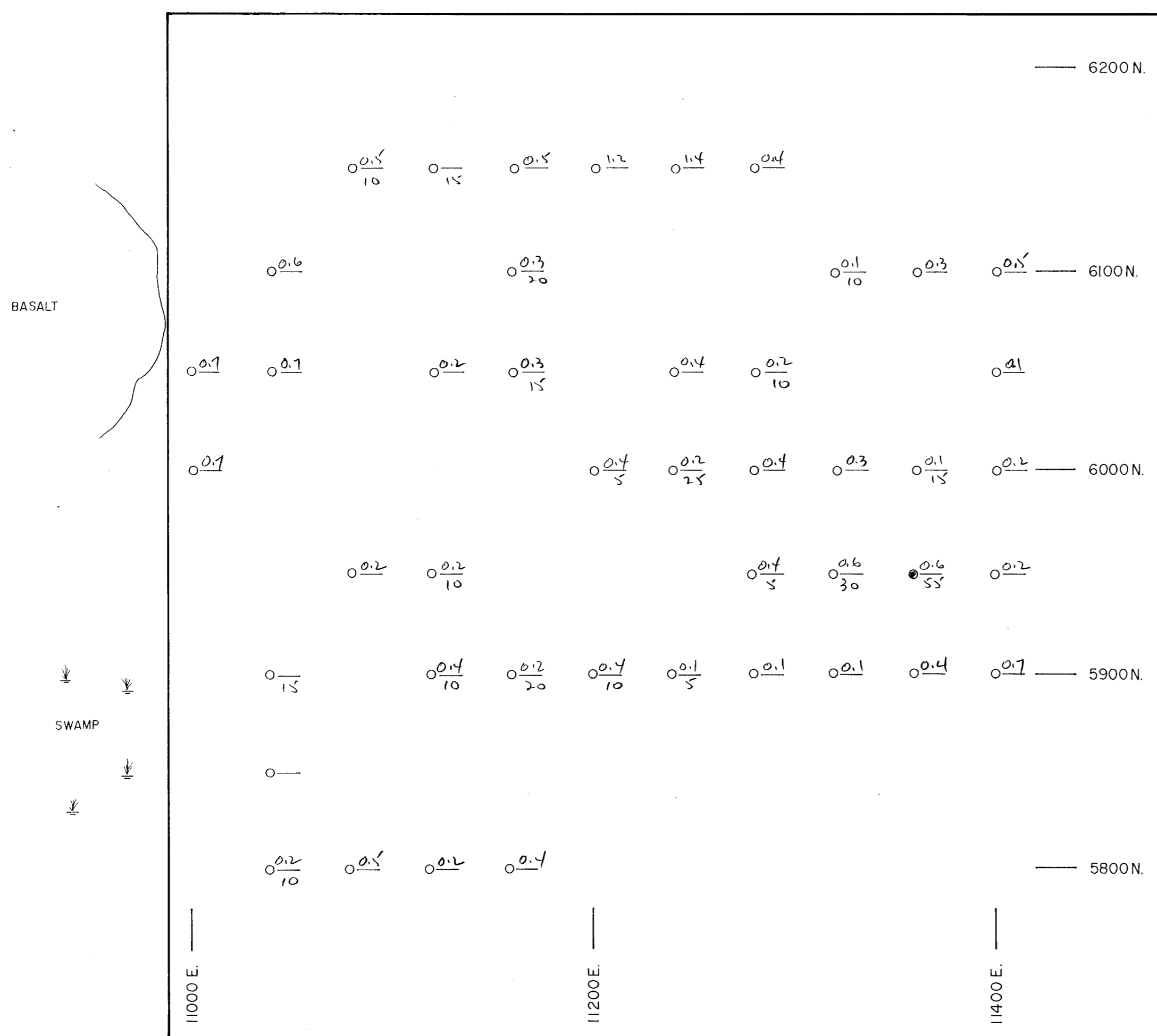
SCALE: 1 : 50 M.
50 25 0 50 100

MERY ENGINEERING CORPORATION	
SUNEVA RESOURCES LTD.	
WHITE CLAIM	
MOLLY AND COPPER IN SOILS	
Drawn by: J.W.M.	Scale: 1 : 2000
Date: Nov. 24, 1979	N.T.S. 104 G 9

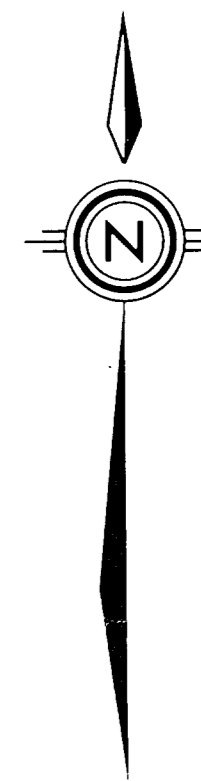
TO ACCOMPANY REPORT ON WHITE CLAIM BY J.W. MacLeod, Nov. 26, 1979



NORTH GRID



SOUTH GRID



MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
 NO. **7585**

LEGEND

0.2 Ag in P.P.M.
 30 Au in P.P.B.

SCALE: 1 : 50 M.
 50 25 0 50 100

MERV ENGINEERING CORPORATION	
SUNOVA RESOURCES LTD.	
WHITE CLAIM	
GOLD AND SILVER IN SOILS	
Drawn by: J. W. M.	Scale: 1 : 2000
Date: Nov. 24, 1979	N.T.S. 104 G 9

TO ACCOMPANY REPORT ON WHITE CLAIM BY J. W. MacLeod Nov. 24, 1979