

3167

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 3167 MAP

GEOCHEMICAL REPORT

SNOOPY 1-4

QUADRA ISLAND - NANAIMO M. D.

7 miles north of Heriot Bay

Lat. 50°, 10' N; Long. 125°, 15' W.

92 K / 3 E

R. K. Tesmer

August 5, 1971

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GEOCHEMICAL REPORT

SNOOPY 1-4

QUADRA ISLAND - NANAIMO, M. D.

7 miles north of Heriot Bay

Lat. 50° , $10'N$; Long. 125° , $15'W$.

R. K. Germundson, Ph. D., August 5, 1971
E. P. Sheppard, P. Eng.,
PRINCE STEWART MINES LTD (N. P. L.)
June 23, to June 25, 1971.

INTRODUCTION

The following geochemical report was written for Prince Stewart Mines Ltd. (N. P. L.), 307-475 Howe Street, Vancouver 1, B. C. The soils were collected in the field between June 23 and June 25, 1971.

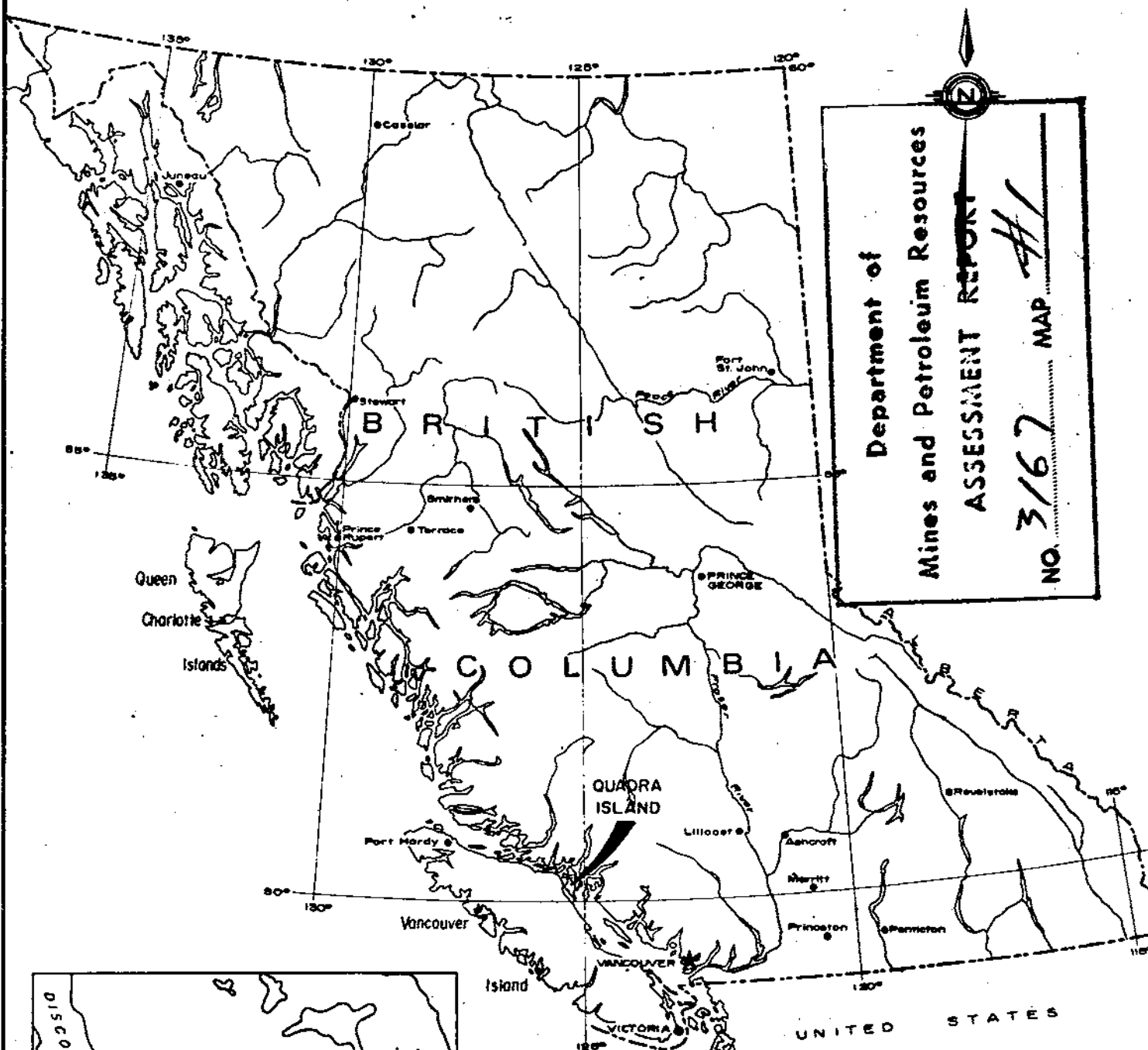
It is the first survey to be carried out over the Snoopy 1-4 mineral claims. The claims adjoin Quad 15, 17 and 19 to the southwest. The Quad 15 -22 claims form part of a geochemical report filed on June 25, 1971.


The writer has acted as geologist for the company since May, 1969 and as a director since February, 1971.

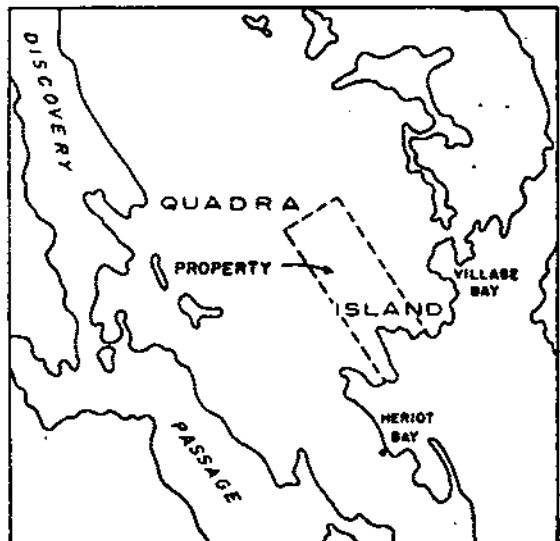
PROPERTY

The Snoopy 1-4 mineral claims are owned outright by Prince Stewart Mines Ltd. (N. P. L.)

The record numbers are 29189 to 29192; the expiry date is July 14, 1973.




 Department of
 Mines and Petroleum Resources
ASSESSMENT REPORT
 NO. **3167** MAP **A1**



PRINCE STEWART MINES LTD.
QUADRA ISLAND
 NANAIMO M.D., B.C.
LOCATION MAP

SCALE 1:50,000

LOCATION (Longitude 120° , 15'W., Latitude 50° , 10' N)

The Snoopy 1-4 mineral claims are located from one to two miles north of Open Bay on the east side of Quadra Island. Heriot Bay, the nearest settlement, is six miles to the south via gravelled road.

Quadra Island is located off of the east coast of Vancouver Island, the two being separated by Discovery Passage. From Campbell River, on Vancouver Island, the Quadra Queen II Ferry leaves at regular intervals for the 20 minute run to Quathiaski Cove, on Quadra Island. Campbell River may be reached from Vancouver via Pacific Western Airlines; or by ferry to Nanaimo thence 93 miles northward on the Island Highway. Quadra Island is covered by four 1/50000 map sheets: Sonora Island (92/K6W), (92K/6E), and Quadra Island (92K/3W), (92/K3E).

TOPOGRAPHY AND VEGETATION

The elevation of the claims varies between 60 and 350 feet above sea-level. The features, including rugged scarps in the Island Intrusives, marshes and streams, parallel the general trend of the Lucky Jim zone to the southwest (i. e., $N30^{\circ}W$) or trend about $N 45^{\circ} E$.

The claims are heavily forested with stands of Douglas fir, cedar and balsam. Shrub growth, such as salal, is locally concentrated.

REFERENCES

- B. C. Minister of Mines Reports; 1906-1958
Geological Survey of Canada, Memoir 23
Germundson, R. K., (1971) Geochemical Report, Quad 11-22, Mineral Claims.



| | | |
|-------|-------|-------|
| WFP19 | WFP20 | WFP21 |
| 32821 | 32822 | 32823 |
| 10 | 9 | 6 |
| 29103 | 29104 | 31028 |
| 8 | 7 | 5 |
| 29101 | 29102 | 31026 |
| 6 | 1 | 3 |
| 29099 | 29023 | 29097 |
| 8 | 2 | 4 |
| 29100 | 28924 | 29098 |
| 8 | 7 | 11 |
| 31030 | 31029 | 31033 |
| 10 | 9 | 12 |
| 31032 | 31031 | 31034 |

CONTACT GROUP

WFP GROUP

| | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 17 | 15 | 13 | 11 | 9 | 7 | 5 | 3 | 1 |
| 31043 | 31041 | 31039 | 31037 | 31035 | 31033 | 31031 | 31029 | 31027 |
| 18 | 16 | 14 | 12 | 10 | 8 | 6 | 4 | 2 |
| 31044 | 31042 | 31040 | 31038 | 31036 | 31034 | 31032 | 31030 | 31028 |
| 15 | 13 | 11 | 9 | 7 | 5 | 3 | 1 | |
| 32639 | 32640 | 32641 | 32642 | 32643 | 32644 | 32645 | 32646 | |
| 16 | 14 | 12 | 10 | 8 | 6 | 4 | 2 | |
| 32202 | 32203 | 32204 | 32205 | 32206 | 32207 | 32208 | 32209 | |
| 17 | 15 | 13 | 11 | 9 | 7 | 5 | 3 | 1 |
| 32641 | 32642 | 32643 | 32644 | 32645 | 32646 | 32647 | 32648 | 32649 |
| 18 | 16 | 14 | 12 | 10 | 8 | 6 | 4 | 2 |
| 32641 | 32642 | 32643 | 32644 | 32645 | 32646 | 32647 | 32648 | 32649 |
| 19 | 17 | 15 | 13 | 11 | 9 | 7 | 5 | 3 |
| 32641 | 32642 | 32643 | 32644 | 32645 | 32646 | 32647 | 32648 | 32649 |
| 20 | 18 | 16 | 14 | 12 | 10 | 8 | 6 | 4 |
| 32641 | 32642 | 32643 | 32644 | 32645 | 32646 | 32647 | 32648 | 32649 |
| 21 | 19 | 17 | 15 | 13 | 11 | 9 | 7 | 5 |
| 32641 | 32642 | 32643 | 32644 | 32645 | 32646 | 32647 | 32648 | 32649 |
| 22 | 20 | 18 | 16 | 14 | 12 | 10 | 8 | 6 |
| 32641 | 32642 | 32643 | 32644 | 32645 | 32646 | 32647 | 32648 | 32649 |
| 23 | 21 | 19 | 17 | 15 | 13 | 11 | 9 | 7 |
| 32641 | 32642 | 32643 | 32644 | 32645 | 32646 | 32647 | 32648 | 32649 |

SNOOPY GROUP

| | |
|-------|-------|
| 1 | 2 |
| 29189 | 29190 |
| 3 | 4 |
| 29191 | 29192 |

COPPER VALLEY

DAVID GROUP

QUAD GROUP

| | | | | |
|-------|-------|-------|-------|-------|
| 10 | 8 | 6 | 4 | 2 |
| 29898 | 29899 | 29897 | 29895 | 29893 |
| 9 | 7 | 5 | 3 | 1 |
| 29894 | 29896 | 29898 | 29892 | 29890 |
| 10 | 8 | 6 | 4 | 2 |
| 29901 | 29902 | 29903 | 29904 | 29905 |
| 9 | 7 | 5 | 3 | 1 |
| 29906 | 29907 | 29908 | 29909 | 29910 |

OPEN BAY

CRE GROUP

| | |
|-------|-------|
| 3 | 4 |
| 27291 | 27292 |
| 1 | 2 |
| 27289 | 27290 |

HERIOT BAY

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 3167 MAP #12

R. K. Serrandon

PRINCE STEWART MINES LTD.
QUADRA ISLAND
NANAIMO M.D., B.C.
CLAIMS MAP

SCALE 1:50,000

HISTORY

Quadra Island was first explored for minerals probably previous to the 1880's. Shipments of ore have been made from several of the properties.

Several Crown Grants are located on the Lucky Jim zone, the most important being the Lucky Jim. A shaft and two adits were driven and some rich gold ore was shipped.

The old trenches on the property now held by Prince Stewart Mines probably date back to the turn of the century. The company has been actively acquiring ground and exploring the claims since September, 1969. Western Mines was active on portions of the Lucky Jim zone and adjacent properties during 1970. Their work included diamond drilling and grid surveys.

Tests on leaching of copper from the "flow-top" deposits near Gowlland Harbor are being continued by Mr. Bill Kitchen of Campbell River.

Prince Stewart Mines is presently continuing to survey all of their claims and hope to start a drill programme in August or September, 1971.

GENERAL GEOLOGY

Most of the mineral claims of Prince Stewart Mines are located in the Lucky Jim zone. This zone extends from Open Bay on the east side of Quadra Island for 10 miles to Granite Bay on the west side of the island. The zone trends N 30° W.

The zone is characterized by contact metamorphic deposits, fissure veins and large areas of pyritized volcanics and intrusives. Intimately associated with most of the zone, the Open Bay limestone occurs in the upper part of the Karmutsen Formation as wide bands and lenses.

Mineralization consists of gold, silver, pyrite, chalcopyrite, pyrrhotite, pentlandite, quartz and epidote. Copper values persist in those areas of widespread pyrite. On the Snoopy 1-4 claims areas of widespread pyritization occur.

The northeastern boundary of the zone is the contact with the Island intrusives. The southwestern boundary is marked by gently dipping Karmutsen Volcanics. Within the zone, which is up to a mile wide, the sediments and volcanics are upturned and dip steeply to the southwest. Locally the trend is across the zone.

The Snoopy claims are underlain by Island Intrusives which have preserved small and isolated patches of pyritized volcanics. Up to 5% iron but little copper occurs in the intrusives (i. e. S15NW + 00 and S 5 NW + 8 SW).

GEOCHEMICAL SURVEY

A base line 2000 feet long, offset 200 feet at 9 NW, was established. Cross lines were chained to the SW and NE each 500 feet and tie-ins were made to lines on Quad 15 and 17. Most of Snoopy 2 is underlain by marsh and was only partially sampled.

103 soil samples were collected on the cross lines and an extension of 24SE of the Quad 15-22 grid.

Nearly 2000 soil samples have been taken over the claims in the Lucky Jim zone. The overall average is 40 with a standard deviation of 41. All contouring is now based on intervals of 40 ppm up to 200 ppm starting at a low of 40 ppm (Cu).

Chemex Laboratories analysed the samples for copper. The results are plotted on a scale of 1" = 500'.

No significant anomolous areas were found. Small values of copper were noted in heavily pyritized intrusives centered around S 5 NW & 8 SW.

The soils from another heavily pyritized area centered around S15NW + 00 showed no interesting copper values.

The 330 ppm Cu reading at 5NW + 12NE is isolated.

SUMMARY AND CONCLUSIONS

No significant geochemical anomaly was noted over the Snoopy 1-4 mineral claims.

Further work on these claims will be restricted.

R. K. Germundson
Signed *E. P. Sheppard*
R. K. Germundson
E. P. Sheppard P Eng



August 5, 1971

DECLARATION OF WAGES AND EXPENSES

A:FIELD

| | | |
|--|----------|--|
| B. Hall - 2 days @ \$35.00/day | \$ 70.00 | |
| W. Podgurny - 2 days @ \$35.00/day | \$ 70.00 | |
| K. Germundson - 1 day @ \$50.00/day | \$ 50.00 | |
| H. Podgurny - 3 days @ \$30.00/day | \$ 90.00 | |
| Truck - 2 days @ \$15.00/day | \$ 30.00 | |
| 6 man days room & board at \$10.00/day | \$ 60.00 | |
| Other | \$ 30.00 | |
| | | |
| Sub Total | \$400.00 | |

B:OTHER

| | | |
|----------------------------|----------|-----------------|
| Map and Report | \$100.00 | |
| 103 soil analyses @ \$1.20 | \$123.60 | |
| Typing etc., | \$ 15.00 | |
| | | |
| Sub Total | \$238.60 | <u>\$638.60</u> |

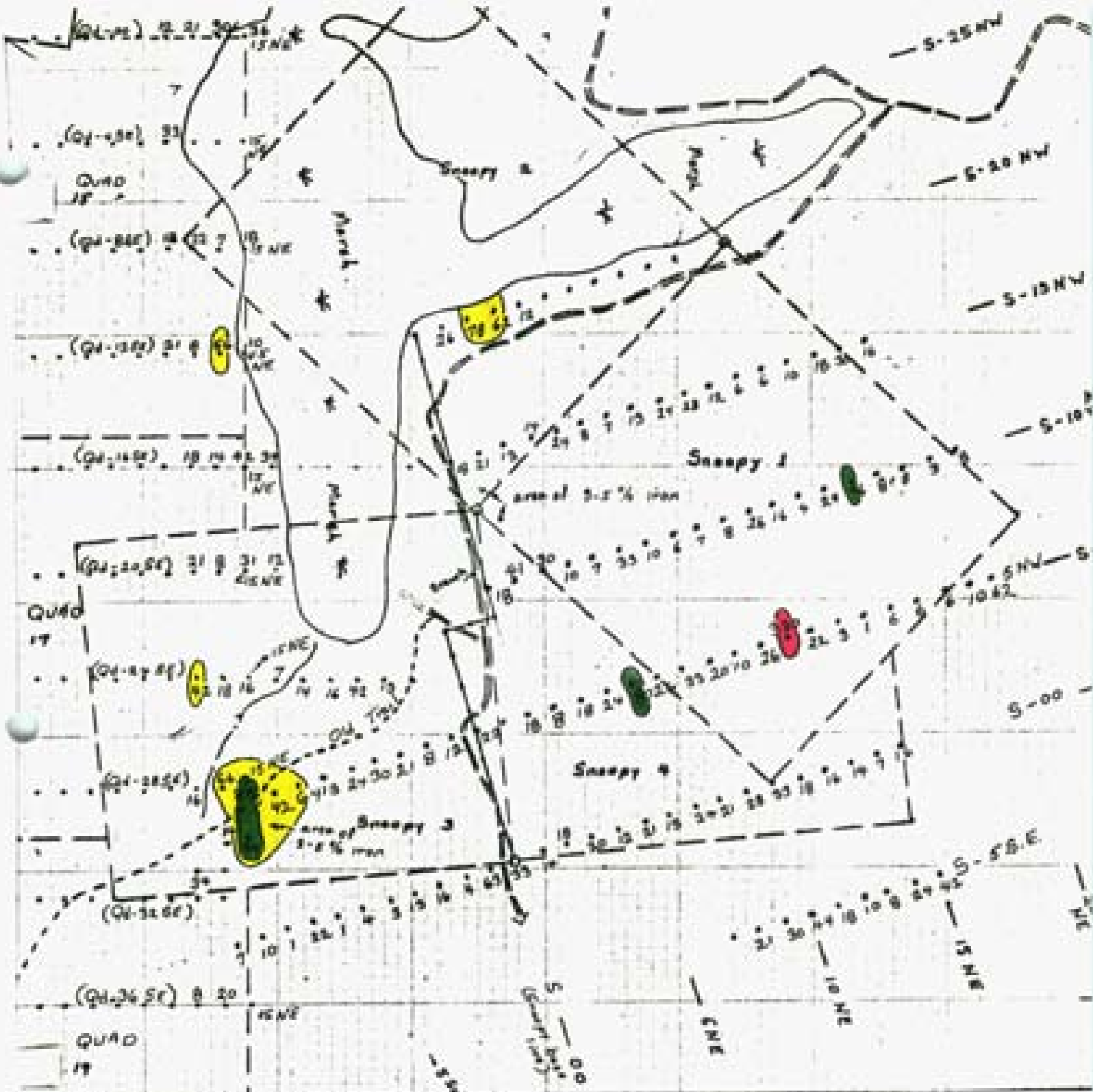
Assessment work was done between June 23 and June 25, 1971.

Signed

R. K. Germundson

R. K. Germundson

August 5, 1971



LEGEND

- 10 ppm Cu
- Qd - Quad 15-22 grid
- 40-80 ppm
- 80-120 ppm
- + 200 ppm

R. K. Edmund

To accompany a report by R. K. Edmund, Ph.D.
PRINCE STEWART MINES LTD. (NPL)
GEOCHEMICAL SURVEY
SNOPY 1-4 CLAIMS

Quadra Island - Nanaimo M.D.
 7 miles north of Harriet Bay
 Lat. 50° 10' N; Long. 125° 15' W
 92 K/S E

R. K. Edmund - May 8, 1971

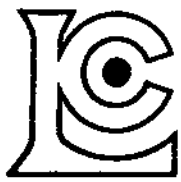
Department of
Mines and Petroleum Resources

ASSESSMENT REPORT

NO. 3167

MAP

#3



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA
TELEPHONE: 985-0648

• CHEMISTS • GEOCHEMISTS • ANALYSTS • ASSAYERS

CERTIFICATE OF ANALYSIS

TO: Prince Stewart Mines Ltd.,
307 - 475 Howe St.,
Vancouver, B. C.

CERTIFICATE NO. 14600
INVOICE NO. 5250
DATE RECEIVED June 28/71
DATE ANALYSED June 30/71

ATTN:

| SAMPLE NO.: | PPM: Copper |
|-------------------------|----------------|
| 40SW 6SW Qd - base line | 18 |
| 8 00 1 SW | 63 |
| 2 | 4 |
| 3 | 16 |
| 4 | 13 |
| 5 | 3 |
| 6 | 4 |
| 7 | 1 |
| 8 | 22 |
| 9 | 1 |
| 10 | 10 |
| 800 11SW | 7 |
| 800 | 33 |
| 800 1NE | 14 |
| 2 | 18 |
| 3 | 20 |
| 4 | 12 |
| 5 | 21 |
| 6 | 13 |
| 7 | 24 |
| 8 | 21 |
| 9 | 28 |
| 10 | 33 |
| 11 | 18 |
| 12 | 16 |
| 13 | 14 |
| 14 | 7 |
| 800 15NE | 16 |
| 85SE 8NE | 21 |
| 85SE 8NE silt | 21 |
| 9 | 30 |
| 10 | 44 |
| 11 | 18 |
| 12 | 10 |
| 13 | 8 |
| 14 | 24 |
| 85SE 15NE | 42 |
| 8 5NW | 22 |
| 8 5NW 1SW | 12 |
| 8 5NW 2SW | 8 |
| Std. #23 | 62 |



MEMBER
CANADIAN TESTING
ASSOCIATION

Certified by *PMB*



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA
TELEPHONE: 985-0648

• CHEMISTS • GEOCHEMISTS • ANALYSTS • ASSAYERS

CERTIFICATE OF ANALYSIS

TO: Prince Stewart Mines Ltd.,
307 - 475 Howe St.,
Vancouver, B. C.

CERTIFICATE NO. 14601
INVOICE NO. 5250
DATE RECEIVED June 28/71
DATE ANALYSED June 30/71

ATTN:

| SAMPLE NO.: | PPM Copper |
|-------------|---------------|
| S 5NW 3SW | 21 |
| 4 | 30 |
| 5 | 24 |
| 6 | 13 |
| 7 | 64 |
| S 5NW 8SW | 42 |
| S 5NW 2NE | 18 |
| 3 | 8 |
| 4 | 18 |
| 5 | 24 |
| 6 | 80 |
| 7 | 26 |
| 8 | 33 |
| 9 | 20 |
| 10 | 10 |
| 11 | 26 |
| 12 | 330 |
| 13 | 22 |
| 14 | 3 |
| 15 | 1 |
| 16 | 6 |
| 17 | 6 |
| 18 | 6 |
| 19 | 10 |
| S 5NW 2ONE | 62 |
| S 9NW | 22 |
| S 10NW 2NE | 24 |
| S 10NW 2NE | 18 |
| 3 | 41 |
| 4 | 30 |
| 5 | 10 |
| 6 | 7 |
| 7 | 33 |
| 8 | 10 |
| 9 | 6 |
| 10 | 7 |
| 11 | 8 |
| 12 | 26 |
| 13 | 16 |
| S 10NW 14NE | 4 |
| Std. #23 | 63 |



MEMBER
CANADIAN TESTING
ASSOCIATION

Certified by 



CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA
TELEPHONE: 985-0648

• CHEMISTS • GEOCHEMISTS • ANALYSTS • ASSAYERS

CERTIFICATE OF ANALYSIS

TO: Prince Stewart Mines Ltd.,
307 - 475 Howe St.,
Vancouver, B. C.

CERTIFICATE NO. 14602
INVOICE NO. 5250
DATE RECEIVED June 28/71
DATE ANALYSED June 30/71

ATTN:

| SAMPLE NO.: | PPM Copper |
|-------------|---------------|
| 8+10NW 15NE | 24 |
| 16 | 96 |
| 17 | 8 |
| 18 | 6 |
| 19 | 3 |
| 8+10NW 20NE | 8 |
| 8 15NW 2NE | 18 |
| 3 | 21 |
| 4 | 13 |
| 5 | 14 |
| 6 | 24 |
| 7 | 8 |
| 8 | 7 |
| 9 | 13 |
| 10 | 24 |
| 11 | 28 |
| 12 | 12 |
| 13 | 6 |
| 14 | 6 |
| 15 | 10 |
| 16 | 18 |
| 17 | 30 |
| 8+15NW 18NE | 16 |
| 8 20NW 2NE | 26 |
| 3 | 78 |
| 4 | 62 |
| 8 20NW 5NE | 12 |
| 24SE 16NE | 7 |
| 17 | 14 |
| 18 | 16 |
| 19 | 42 |
| 24SE 20NE | 13 |
| Std. #23 | 64 |



MEMBER
CANADIAN TESTING
ASSOCIATION

Certified by 

CERTIFICATE

1. I, Robert Kenneth Germundson reside at 201-1025 Wolfe Avenue, Vancouver 9, B. C.
2. I received a B. Sc., (1958) and an M. Sc., (1960) in geology from the University of Alberta.
3. I received a Ph. D. (1965) in geology from the University of Missouri.
4. I have carried out work as a geologist in western Canada since 1965 both with Noranda and Brenda Mines and as a consultant.
5. I personally took part in this survey between June 23 and June 25, 1971.
6. I have acted as geologist for Prince Stewart Mines Ltd (N. P. L.) since May, 1969.
7. I am a director of Prince Stewart Mines Ltd (N. P. L.)

Signed


R. K. Germundson

August 5, 1971