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REPORT

ON

TERRACE-BELL MINES LIMITED (N.P.L.)

PADDY-MAC GOLD GROUP

OMINECA MINING DIVISION

BRITISH COLUMBIA

BY

D.C. MALCOLM, P. Eng.,  
Consultin Geologist

Vancouver, B.C.  
January 15, 1974

THE WARRIOR  
ANNUAL REPORT 1945  
PAGE 17

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TERRACE-BELL MINES LIMITED (N.P.L.)

PADDY-MAC GOLD GROUP

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BRITISH COLUMBIA

SUMMARY

The Paddy-Mac Gold Group contains two gold and silver bearing quartz veins in the Terrace area of British Columbia. Surface values of the main vein average 2.26 oz. gold per ton and 4.2 oz. silver per ton. The second vein is narrower and lower grade.

Underground work is proposed to outline tonnage and grade by bulk sampling the main vein.

OWNERSHIP

James M. Ingham

LOCATION

Latitude: 54°46' North  
Longitude: 128°23' West  
Elevation: 3,800 to 5,300 Feet

The claims are reached by a 9 mile trail along Carpenter Creek from the C.N. Railway near Pacific. They are 20 minutes by helicopter from Terrace.

CLAIMS

Thirteen located claims as follows:

Paddy-Mac        1 to 10 inclusive  
Terrace-Bell    1 to 3 inclusive.

TOPOGRAPHY

The claims are along the south fork of Carpenter Creek between elevations of 3,800 to 5,300 feet west of the Skeena River Valley at elevations of 300 to 350 feet. Carpenter Creek is a typical mountain stream from an old glacial cirque. The claims are in the cirque with talus slides in the creek valley and rock bluffs above them.

The veins outcrop at the base of the bluffs and in the talus.

GENERAL GEOLOGY

The district is on the eastern part of the Coast Range Mountains with irregular granodiorite batholiths intruding Triassic sediments and Jurassic-Hazelton Group Volcanics.

Mineral deposits are numerous and many gold quartz veins with or without base metals have been explored. Some of these have produced rich gold ore.

### CLAIM GEOLOGY

The claims are in Triassic argillites cut by granite and syenite dikes. These sediments are in a large embayment along the north contact of a Coast Range pluton.

The Paddy-Mac vein is in a north 70 degree west 100 foot wide breccia or shear zone which strikes across the north trending metamorphosed argillites and dips 40 to 50 degrees to the south west into the hill. Quartz, with variable amounts of chalcopyrite and arseno pyrite, occurs on both walls of the shear zone. Some galena and sphalerite have been seen and the sulphides contain gold and silver.

### DEVELOPMENT

The quartz veins and the breccia or shear zone follow along the base of bluffs above and partly in talus slopes. They are developed by two thirty foot long tunnels, one in each vein and by numerous test pits along the bluffs. The workings follow the veins intermittently over a length of 3,500 feet between elevations of 3,800 feet at the tunnels and 5,300 foot elevation to the northwest.

The hanging wall vein was sampled and averaged 3.24 feet in width, 2.26 oz. gold and 4.2 oz. silver per ton.

The footwall vein averaged 2.23 feet in width, 0.03 oz. gold per ton and 3.6 oz. silver per ton.

### CONCLUSION

The Paddy-Mac hanging wall vein is a strong high grade gold quartz vein.

It should be developed by drifting with the quartz shipped to a smelter for bulk sampling and treatment and freight rates.

### PROPOSAL

It is proposed to crosscut to the hanging wall vein and to drift and bulk sample this vein at elevation 3,800 feet.

Equipment can be ferried from the road in the Skeena Valley by helicopter for this test.

ESTIMATED COSTS

|                             |                    |
|-----------------------------|--------------------|
| Tunnelling 200' @ \$100/Ft. | \$20,000.00        |
| Transportation              | 5,000.00           |
| Camp & Equipment            | 10,000.00          |
| Surveying                   | 2,000.00           |
| Assessment Work             | 3,000.00           |
| Sampling & Assaying         | 1,000.00           |
| Supervision                 | 3,000.00           |
| Consulting & Geology        | 1,000.00           |
| Contingencies               | <u>5,000.00</u>    |
| ESTIMATED TOTAL             | <u>\$50,000.00</u> |

Report by

*D.C. Malcolm*  
D.C. MALCOLM, P. ENG.  
Consulting Geologist



Vancouver, B.C.  
January 15, 1974

C E R T I F I C A T E

This is to certify that:

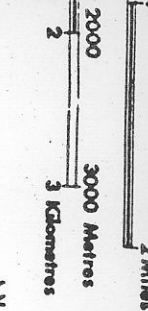
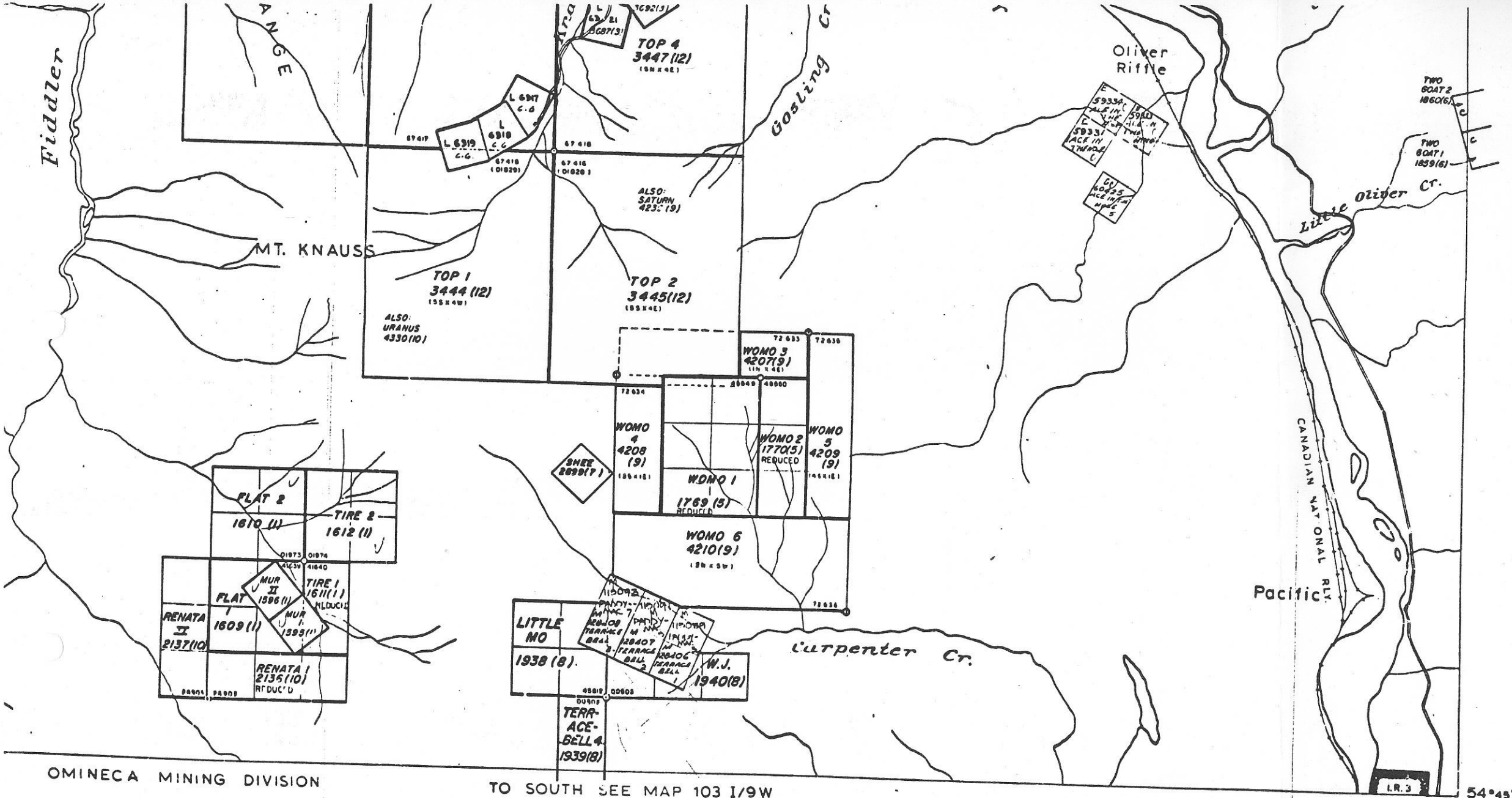
1. I, DOUGLAS COLE MALCOLM am a resident of Vancouver, B.C., and live at 2290 West 23rd Avenue.
2. I am a graduate of the University of British Columbia with the degree of Bachelor of Applied Science in Geological Engineering (1935).
3. I am a member of the Association of Professional Engineers of British Columbia and Ontario and have practised my profession continuously since graduation.
4. I have not, directly or indirectly, received or expect to receive any interest, direct or indirect, in the property of TERRACE-BELL MINES LIMITED (N.P.L.), or of any affiliate; or beneficially own, directly or indirectly, any securities of the company or of any affiliate.
5. This report is based on information supplied by Mr. J.D. McNULTY and by several years prospecting in the Fiddler Creek-Pacific section of the Terrace area.

Vancouver, B.C.  
January 15, 1974

D.C. MALCOLM P.Eng.  
Consulting Geologist







UNLESS VERIFIED OR SURVEYED, THE MAP POSITION OF A LEGAL CORNER POST IS BASED ON THE LOCATOR'S SKETCH FOR FURTHER INFORMATION, APPLY TO THE OFFICE OF THE MINING DIVISION CONCERNED.

DATE OF MICROFILM: 82.09.22

OMINECA MINING DIVISION

TO SOUTH SEE MAP 103 I/9W

DEPARTMENT OF MINES AND PETROLEUM RESOURCES  
VICTORIA, B.C.

This map is prepared to serve as a guide to the positions of located mineral claims and Placer Mining Leases only. Unsurveyed claims and leases are plotted from locators' notes.

date information on any area you should the Mining Recorder

WD. 02. 02.  
 3-5 1.55 2.35 1.30

UNABLE TO CHECK

OLD POST  
 EL 2354

WD. 4.0 0.55 4.20  
 4.0 0.02 2.70

STEEP  
 SLUFFS

1975  
 A

| WD. | AU.   | AG.  |
|-----|-------|------|
| 1.3 | 0.55  | 0.20 |
| 1.2 | 17.58 | 7.78 |
| 2.5 | 0.23  | 1.50 |
| 1.2 | 1.66  | 1.60 |
| 2.8 | 3.41  | 4.60 |
| 3.5 | 3.34  | 7.44 |
| 3.5 | 0.38  | 1.35 |
| 1.8 | 0.17  | TR   |

1977  
 E

| WD. | AU.   | AG.   |
|-----|-------|-------|
| 1.6 | 0.23  | 1.93  |
| 1.3 | 22.30 | 10.80 |
| 4.0 | 0.02  | 0.10  |
| 1.0 | 1.68  | 2.03  |
| 5.0 | 0.13  | 0.43  |
| 5.0 | 0.08  | 0.45  |
| 4.0 | 0.37  | 0.35  |

1979  
 C

| WD. | AU.   | AG.  |
|-----|-------|------|
| 18" | 0.90  | 8.20 |
| 10" | 0.14  | 5.60 |
| 20" | 1.08  | 0.90 |
| 16" | 4.43  | 1.50 |
| 20" | TR.   | TR.  |
| 17" | 10.26 | 9.10 |
| 16" | 0.06  | 0.2  |
| 26" | 0.24  | 0.8  |

ADIT  
 EL 3710

1945  
 DEPT. OF MINES

| WD. | AU.  | AG.  |
|-----|------|------|
| 1.2 | 5.02 | 3.56 |
| 1.8 | 0.36 | 5.40 |

LEGEND

- ARGILLITE
- DIKE
- ADIT
- QZ. VEIN
- FAULT

A - B - C

TOTAL SAMPLES 23  
 WIDTH 2.28  
 OZ. AU. 1.806  
 OZ. AG. 2.924

DILUTE 40%  
 WIDTH 3.33  
 OZ. AU. 1.08  
 OZ. AG. 1.71

CLAIM LINE

SCALE  
 1" = -

Scale 1" = 4 Miles



**LEGEND**

- Granodiorite 7
- Argillites 6
- Volcanics 4

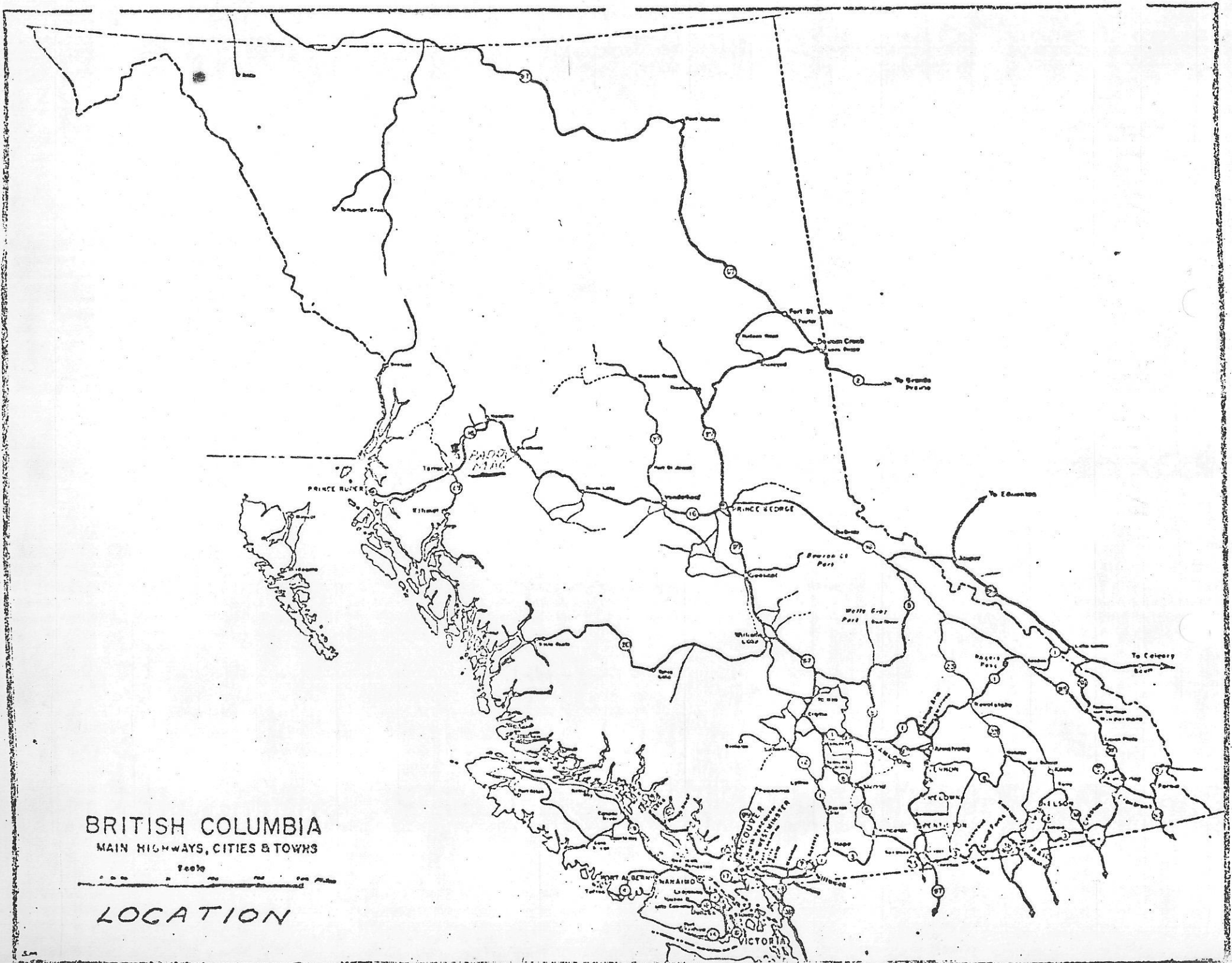
GSC Terrace Geology  
 Map 1136 A

Scale 1" = 4 Miles



Terrace

THORNTON





DEPARTMENT OF MINES AND PETROLEUM RESOURCES  
VICTORIA

SAMPLE RECEIVED FROM..... JAMES McNULTY

ADDRESS..... 2965 Glen Lake Road, Victoria, B. C. V9B 4B2

| LABORATORY No. | SUBMITTER'S MARK                      | LABORATORY REPORT  |
|----------------|---------------------------------------|--|
| 2972           | 3350 E<br><br><i>VISIBLE<br/>GOLD</i> | <p>Spectrochemical Analysis: Copper; Lead and 0.03% Bismuth were found. The other base metals found, and their percentages, were those occurring normally in rocks.</p> <p>Gold - 10.26 oz. per ton<br/>Silver - 9.1 oz. per ton<br/>Copper - 0.16%<br/>Lead - 2.04%</p> |



DEPARTMENT OF MINES AND PETROLEUM RESOURCES  
VICTORIA

SAMPLE RECEIVED FROM..... JAMES McNULTY..... Page 2

ADDRESS..... 2965 Glen Lake Road, Victoria, B. C. V2G 4B3.....

| LABORATORY No. | SUBMITTER'S MARK | LABORATORY REPORT   |
|----------------|------------------|---|
| 2975           | 3342 E           | <p>Spectrochemical Analysis: Lead; Copper; 0.15% Zinc and 0.01% Cadmium were found. The other base metals found, and their percentages, were those occurring normally in rocks.</p> <p>Gold - 0.04 oz. per ton<br/>Silver - 2.4 oz. per ton<br/>Lead - 5.30%<br/>Copper - 0.36%</p> |
| 2976           | 3343 E           | <p>Spectrochemical Analysis: 0.04% Lead and 0.01% Copper were found. The other base metals found, and their percentages, were those occurring normally in rocks.</p> <p>Gold - Trace<br/>Silver - Trace</p>   |
| 2977           | 3344 E           | <p>Spectrochemical Analysis: Lead; Copper and 0.02% Zinc were found. The other base metals found, and their percentages, were those occurring normally in rocks.</p> <p>Gold - 4.43 oz. per ton<br/>Silver - 1.5 oz. per ton<br/>Lead - 1.07%<br/>Copper - 0.22%</p>                |

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DATE..... August 27, 1979.....

*[Handwritten Signature]*

CHIEF ANALYST AND ASSAYER.



DEPARTMENT OF MINES AND PETROLEUM RESOURCES  
VICTORIA

SAMPLE RECEIVED FROM..... JAMES McNULTY ..... Page 3

ADDRESS..... 2965 Glen Lake Road, Victoria, B. C. ....

| LABORATORY No. | SUBMITTER'S MARK | LABORATORY REPORT  |
|----------------|------------------|--|
| 2978           | 3345 E           | <p>Spectrochemical Analysis: 0.13% Lead; 0.12% Copper and 0.5% Zinc were found. The other base metals found, and their percentages, were those occurring normally in rocks.</p> <p>Gold - 1.08 oz. per ton<br/>Silver - 0.9 oz. per ton</p>  |
| 2979           | 3346 E           | <p>Spectrochemical Analysis: Copper; Lead; 0.025% Zinc and 0.015% Bismuth were found. The other base metals found, and their percentages, were those occurring normally in rocks.</p> <p>Gold - 0.14 oz. per ton<br/>Silver - 5.6 oz. per ton</p> <p>Copper - 1.18%<br/>Lead - 0.46%</p> |
| 2980           | 3347 E           | <p>Spectrochemical Analysis: Lead; Copper; 0.015% Zinc and 0.03% Bismuth were found. The other base metals found, and their percentages, were those occurring normally in rocks.</p> <p>Gold - 0.90 oz. per ton<br/>Silver - 8.2 oz. per ton</p> <p>Lead - 0.68%<br/>Copper - 0.31%</p>  |

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DATE..... August 27, 1979 .....

*[Signature]*  
.....  
CHIEF ANALYST AND ASSAYER.



THE GOVERNMENT OF  
THE PROVINCE OF BRITISH COLUMBIA

DEPARTMENT OF MINES AND PETROLEUM RESOURCES  
VICTORIA

ENERGY

SAMPLE RECEIVED FROM..... JAMES McNULTY..... Page 4.....

ADDRESS..... 2965 Glen Lake Road, Victoria, B.C.....

| LABORATORY NO. | SUBMITTER'S MARK | LABORATORY REPORT   |
|----------------|------------------|---|
| 2981           | 3348 E           | <p>Spectrochemical Analysis: 0.7% Lead;<br/>0.02% Copper and 0.015% Zinc were found.<br/>The other base metals found, and their percentages, were those occurring normally in rocks.</p> <p>Gold - 0.24 oz. per ton<br/>Silver - 0.8 oz. per ton</p>  |
| 2982           | 3349 E           | <p>Spectrochemical Analysis: 0.12% Lead;<br/>0.015% Copper and 0.01% Zinc were found.<br/>The other base metals found, and their percentages, were those occurring normally in rocks.</p> <p>Gold - 0.06 oz. per ton<br/>Silver - 0.2 oz. per ton</p> |

3

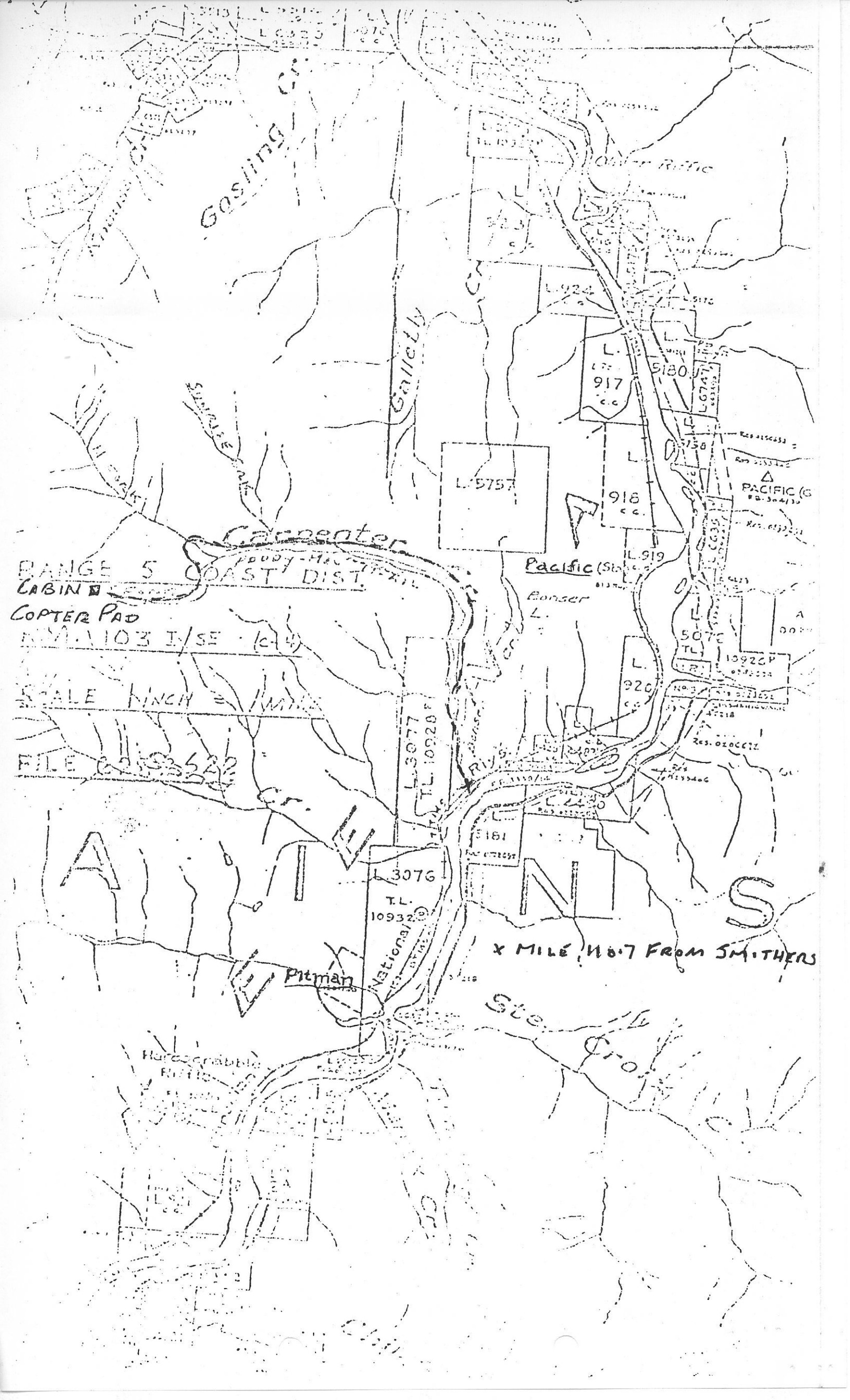
3

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DATE..... August 27, 1979.....

CHIEF ANALYST AND ASSAYER.





Gosling

Gallely

Carpenter

Pitman

x MILE No. 7 FROM SMITHERS

Ste. Croix

RANGE 5 COAST DIST.

CABIN

COPTER PAD

N.M. 103 I/SE (C-4)

SCALE 1 INCH = 1 MILE

FILE 29352

A

L. 3076  
T.L. 10932

National

L. 3161

L. 5076

L. 920

L. 919

L. 918

L. 917

L. 5180

L. 5757

Pacific (State)

Bonsor

PACIFIC (G)

Res. 020000

Res. 020000

Res. 020000

Res. 020000

Res. 020000

Res. 020000

Res. 020000

Res. 020000

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