

# 4101

GEOLOGICAL AND GEOCHEMICAL REPORT

on

Mineral Claims Cub 1-7

Record Number 11913-19116; 17767-17769  
in the Alberni Mining Division  
20 miles north of Tofino

49° 23' North Latitude  
125° 45' West Longitude

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. 4101 IAPP

W.G. Stevenson and Associates Ltd.,  
Vancouver, British Columbia

January 19, 1973

W. G. STEVENSON & ASSOCIATES LIMITED  
CONSULTING GEOLOGISTS

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### INTRODUCTION

During 1972 a geochemical program was conducted on the Cub Mineral Claims which are located on Vancouver Island 20 miles north of Tofino, British Columbia.

This program was accomplished by Mr. Walter Guppy under the direction of W. G. Stevenson, P.Eng., This report compiles the data collected, describes the methods used and details the cost of this work in accordance with the provisions of the Mineral Act, and is designed to satisfy the assessment requirements on the Cub Mineral Claims 1 - 70 for a period of one year.

### CLAIMS AND TITLE

Mr. Guppy holds title to 14 contiguous mineral claims, You will find attached a tabulation marked Appendix "C" with data pertaining to these mineral claims, as shown in the Gold Commissioner's office in Vancouver. I have also attached a map marked Appendix "B" drawn to a scale of 1" = 1500 feet which shows the outline of the claim block, the individual mineral claims, their relation with some of

the surface features, and the outline of the area where exploration was conducted.

#### LOCATION AND ACCESS

The mineral claims are in a one contiguous block extending over Dry Creek, a tributary on the northwest side of Bedwell River, three miles north of its junction with Ursus Creek. The claims are approximately six miles north of the logging camp at the mouth of Bedwell River. More precisely they are located at  $49^{\circ} 26'$  north latitude and  $125^{\circ} 44'$  west longitude.

Access can be gained to a boat landing at Bedwell then by an improved logging road which extends northerly up Bedwell River and across the south east corner of the claim block.

#### HISTORY

Gold was discovered in the Drainage of Bedwell River in 1938. Underground drifting was accomplished during 1941 on the nearby Prosper, Muscateer and Bucaneer Mines.

In 1940 the B.C. Department of Mines and Petroleum Resources published a preliminary Bulletin Number 8, on the geology of Bedwell River area. This was up-dated as Bulletin No. 13 in 1941. Since that time, additional

prospecting, claim staking, development and mining has been accomplished.

Mr. Walter Guppy has prospected and held mineral claims in the area since 1938. In 1964 he shipped eight tons of copper magnetite ore from a cut on the Braw Number 1 Mineral Claim located three miles south of the Cub Claims.

In 1971 and 1972 Mr. Guppy staked the Cub Mineral Claims and during 1972 a program of geological mapping and geochemical sampling was accomplished.

#### GEOLOGY

The contact between Coast Range intrusive rocks and Volcanic rocks of the Volcanic Group is exposed near the headwaters of Dry Creek. The attached geological map based on data collected by Mr. Guppy will show this relationship.

A strong, west-northwesterly trending fault crosses the west side of the claim block, as shown on the map accompanying G.S.C. Paper 68-50.

#### MINERALIZATION

The Bedwell River property is positioned 15 miles northeast of Falconbridge's Catface Mountain property, 12 miles

southerly from Western Mines, and 28 miles northwest of Noranda's old Maggie Lake iron copper mine.

Within the Cub Claim Group, copper and molybdenum mineralization have been recognized.

Ten samples were collected for molybdenum, copper, silver and gold assay.

#### GEOCHEMISTRY

During 1972 a reconnaissance geochemical sampling program was conducted over a part of the subject claim block. Fifty-eight soil samples were collected for geochemical determination of molybdenum, copper, silver and gold content. The assay data showed that the following assays are anomalous: molybdenum 10 ppm or greater; copper 100 ppm or greater; silver 0.5 ppm or greater, and gold .05 ppm or greater. Approximately 31% of the samples for molybdenum were anomalous; 9% for copper; 17% for silver, and 10% for gold.

The samples were collected from the "B" soil horizon from holes put down with a sharp narrow bladed spade to a depth of approximately 6 inches. The samples were packaged in specially prepared heavy paper bags. They were partially dried in the field, then completely dried and screened to

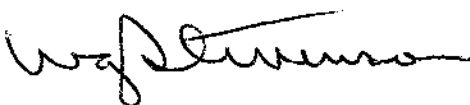
minus 80 mesh in the laboratory. The geochemical assaying was accomplished by Acme Analytical Laboratories with hot HCL extraction for copper then assayed with atomic absorption.

On the attached map marked Appendix "D", the sample locations, and the assay results in parts per million for copper and molybdenum has been shown.

On the attached map marked Appendix "E" the sample location and assay results for gold and silver have been shown.

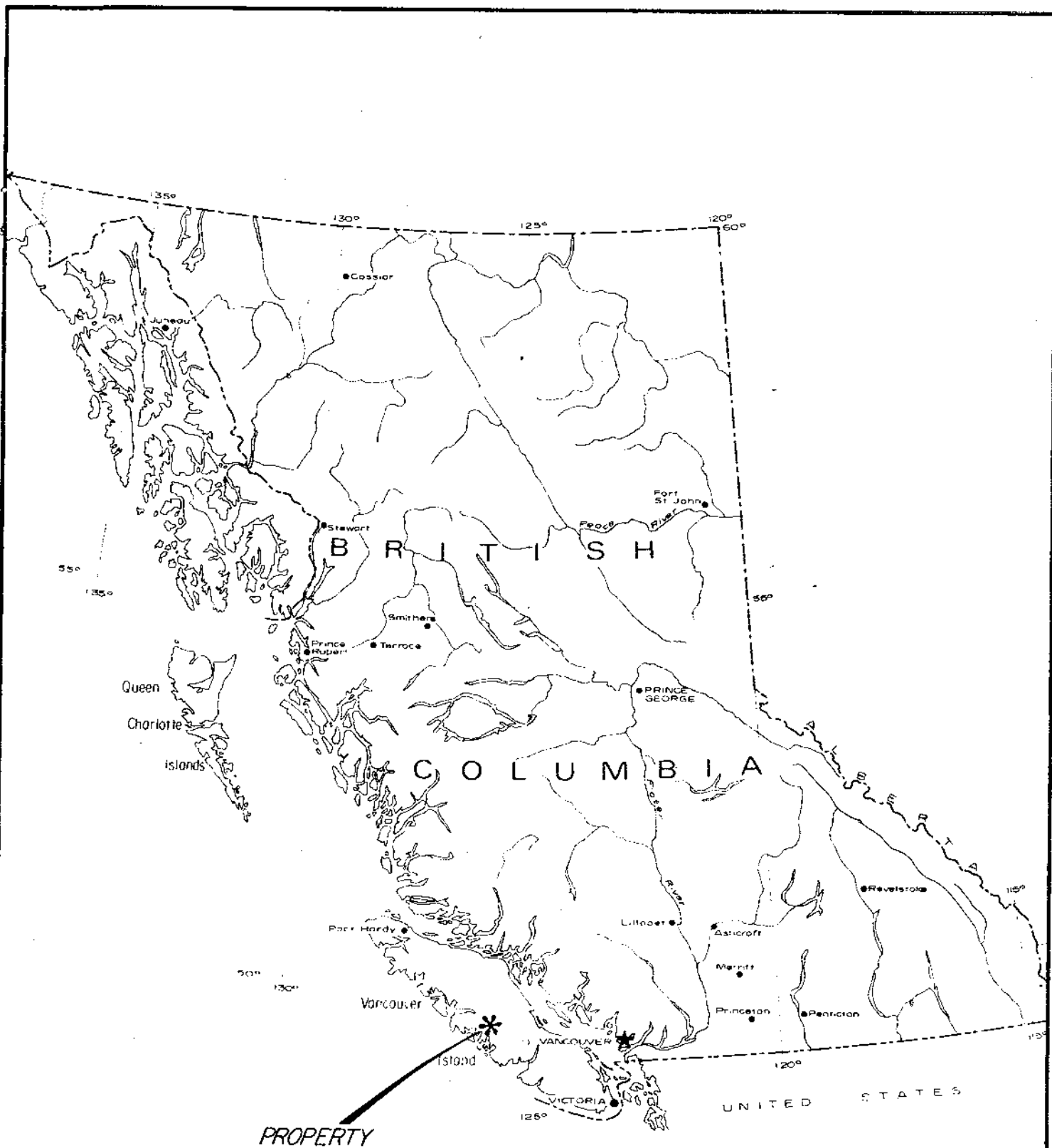
The samples with anomalous assay results have been indicated with special symbols.

Respectfully submitted,  
W. G. STEVENSON & ASSOCIATES LIMITED

  
W. G. Stevenson, P.Eng.,

WGS:vsa

January, 1973



Department of  
**Mines and Petroleum Resources**  
**ASSESSMENT REPORT**  
 NO. **4101** MAP # **1**

APPENDIX - A  
**WALTER GUPPY PROPERTY**  
 ALBERNI MINING DIVISION

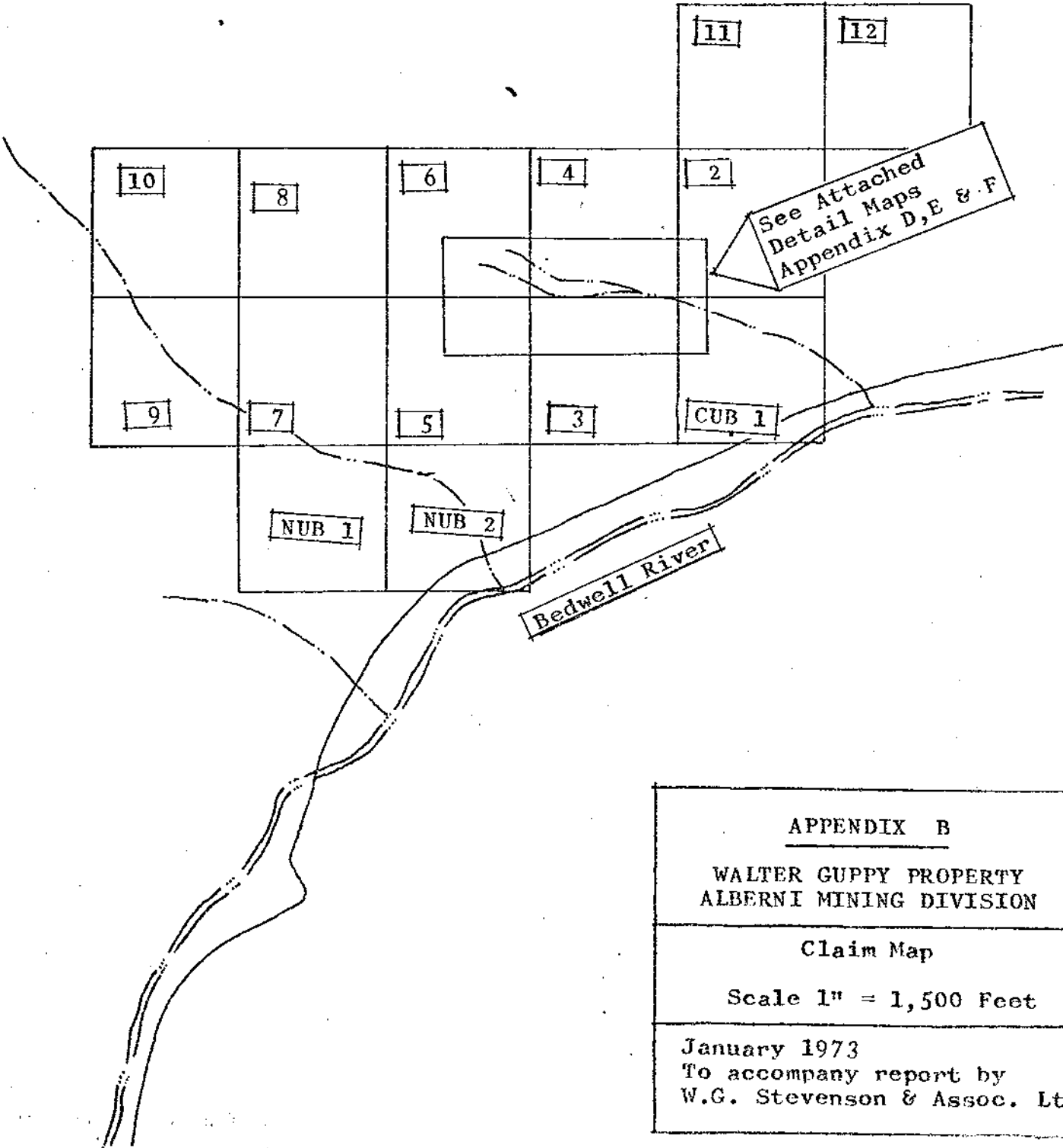
**LOCATION MAP**

SCALE 1 inch = 136 Miles

Date Jan., 1973	To accompany report by W.G. Stevenson & Assoc. Ltd.
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Department of  
 Mines and Petroleum Resources  
 ASSESSMENT REPORT  
 NO. 4101 MAP #2

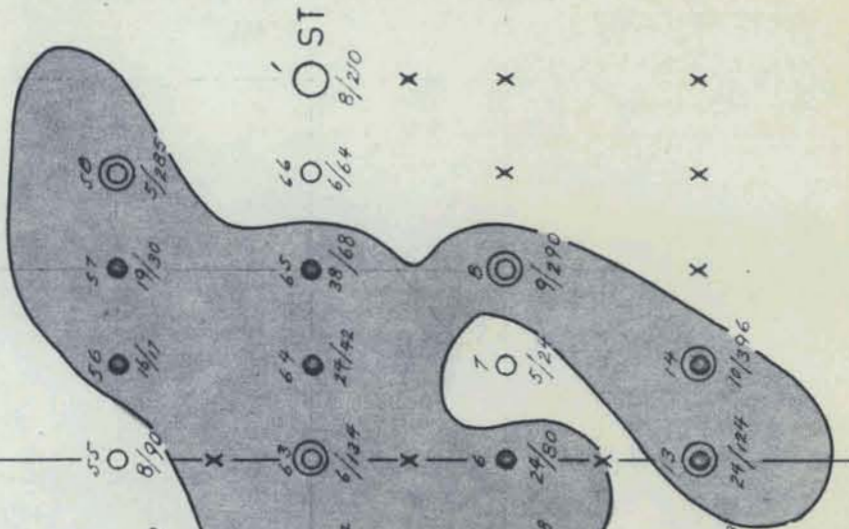


APPENDIX B  
 WALTER GUPPY PROPERTY  
 ALBERNI MINING DIVISION  
 Claim Map  
 Scale 1" = 1,500 Feet  
 January 1973  
 To accompany report by  
 W.G. Stevenson & Assoc. Ltd.





6 S 4 S 2 S LL 2 N 4 N 6 N



38 W

36 W

34 W

32 W

30 W

CUB No. 6  
M.C.

CUB No. 5  
M.C.

CUB No. 4  
M.C.

CUB No. 3  
M.C.

CUB No. 4  
M.C.

CUB No. 3  
M.C.

CUB No. 2  
M.C.

CUB No. 1  
M.C.

LEGEND

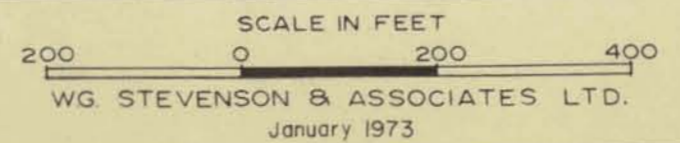
- O Soil sample location.
  - ST. Silt sample location.
  - R. Rock sample location.
  - X Station, no sample taken.
  - CP Claim post.
- MOLYBDENUM & COPPER  
soil & silts
- Copper — 100 ppm. & over
  - Moly — 10 ppm. & over.

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. **4101** MAP **#3**

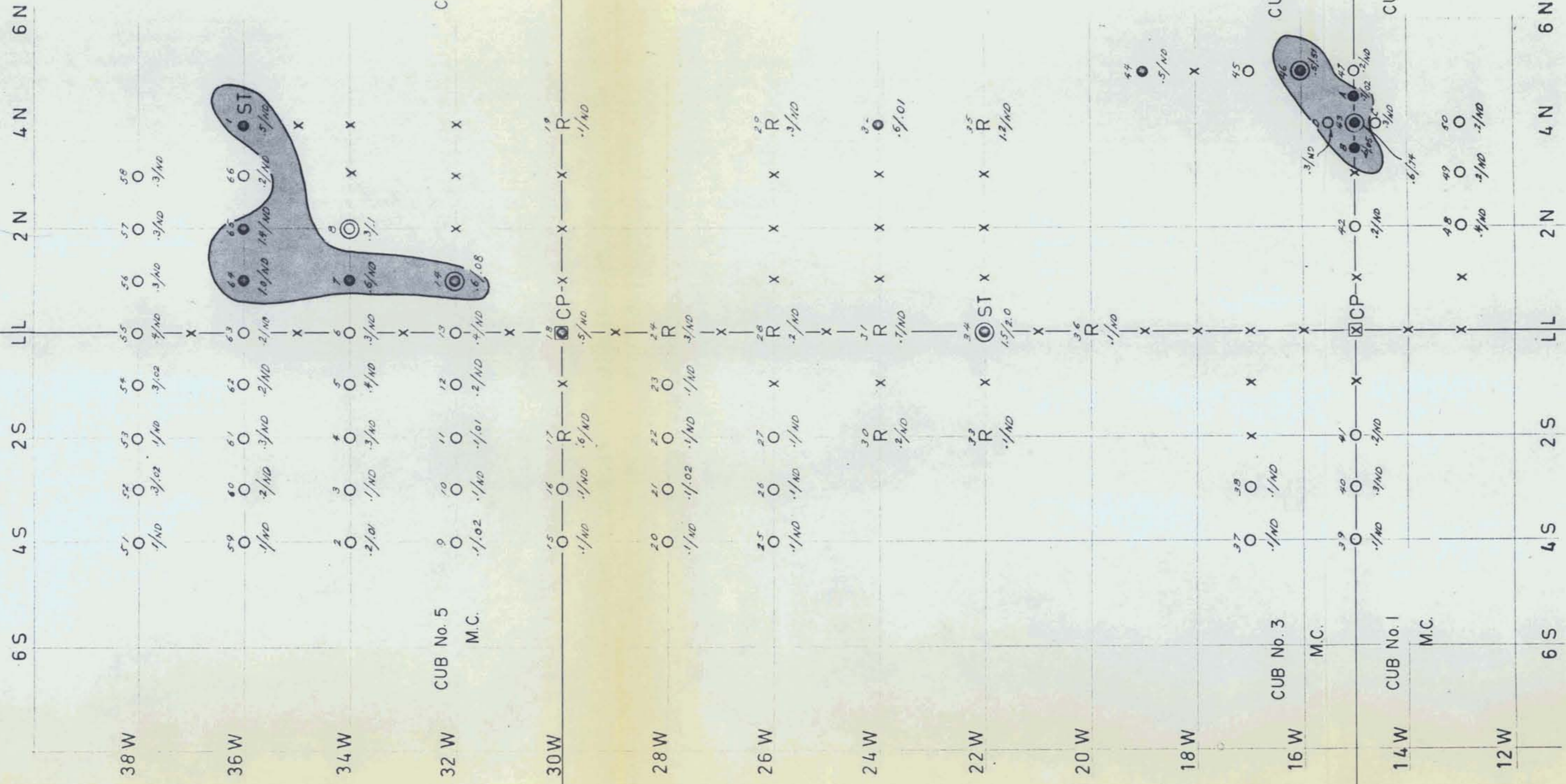
APPENDIX 'D'

CUB MINERAL CLAIMS  
ALBERNI M.D.  
BRITISH COLUMBIA

**GEOCHEMICAL MAP**  
**MOLYBDENUM & COPPER**







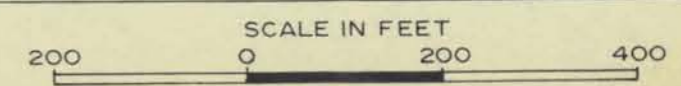
- LEGEND**
- O Soil sample location.
  - ST. Silt sample location.
  - R. Rock sample location.
  - X Station, no sample taken.
  - C.P. Claim post.
- GOLD & SILVER  
soil & silts**
- Gold — .05ppm. & over.
  - Silver — .5ppm. & over.

Department of  
Mines and Petroleum Resources  
**ASSESSMENT REPORT**  
NO. **4101** MAP # **4**

APPENDIX 'E'

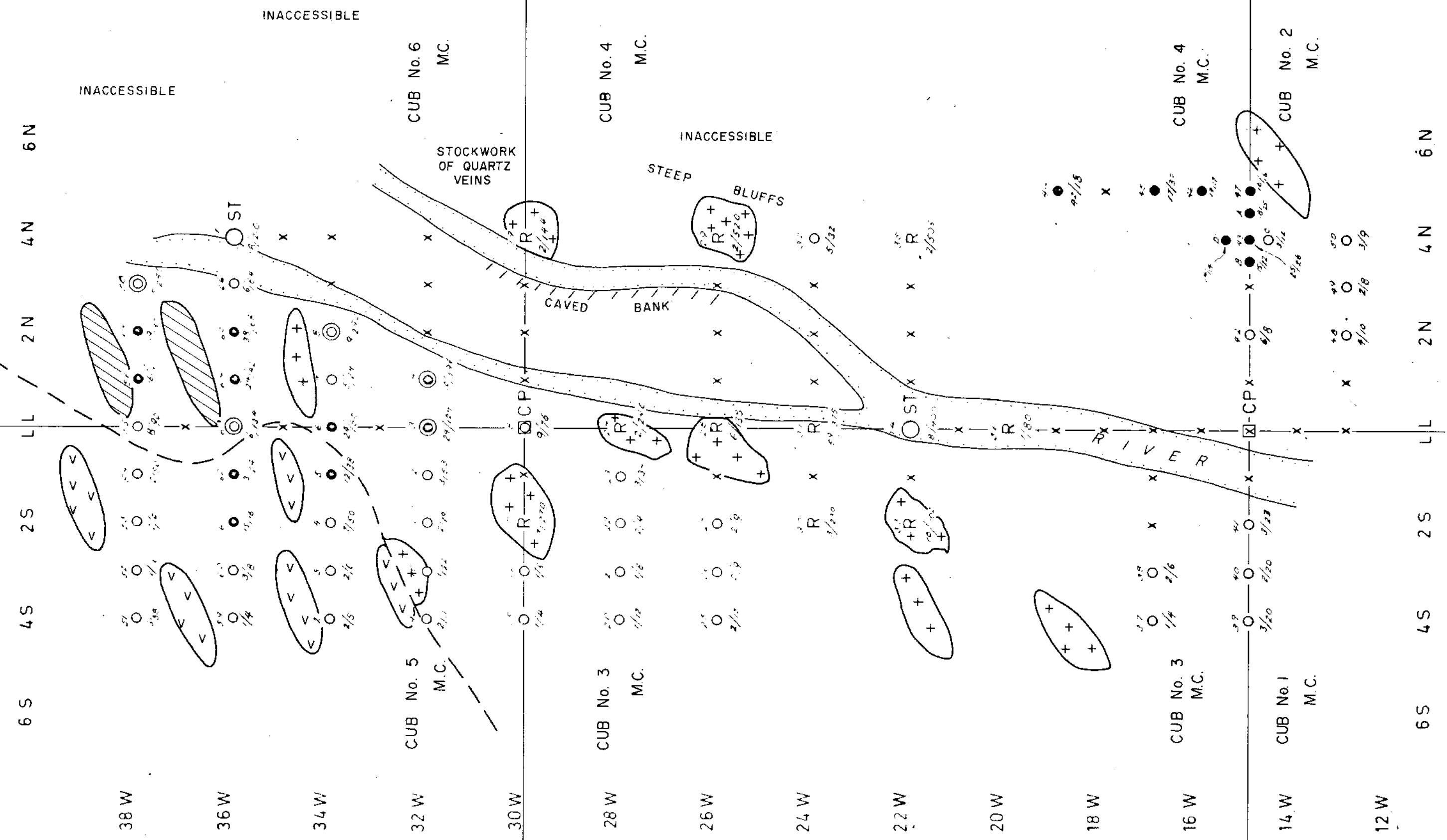
CUB MINERAL CLAIMS  
ALBERNI M.D.  
BRITISH COLUMBIA

**GEOCHEMICAL MAP**  
**GOLD & SILVER**



WG. STEVENSON & ASSOCIATES LTD.  
January 1973



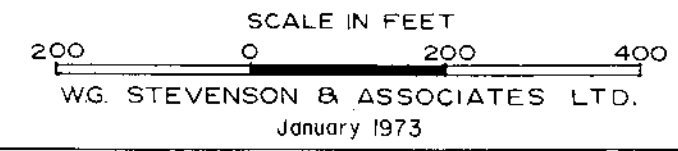


Department of  
Mines and Petroleum Resources  
ASSEMBLED BY  
NO. 4101 MAP #5

- LEGEND**
- +++ INTRUSIVE
  - ▨ BRECCIA
  - V V V VOLCANIC

APPENDIX 'F'  
CUB MINERAL CLAIMS  
ALBERNI M.D.  
BRITISH COLUMBIA

**GEOLOGY**



DATA PERTAINING TO THE  
CLAIMS HELD BY  
WALTER GUPPY  
ALBERNI MINING DIVISION

Claim Name	Record Number	Recording Date	Assessment Work Recorded
Cub # 1	19113	June 20, 1972	
Cub # 2	19114	June 20, 1972	
Cub # 3	19115	June 20, 1972	
Cub # 4	19116	June 20, 1972	
Cub # 5	17767	May 31, 1971	May 23, 1972
Cub # 6	17768	May 31, 1971	May 23, 1972
Cub # 7	17769	May 31, 1971	May 23, 1972
Cub # 8	17770	May 31, 1971	May 23, 1972
Cub # 9	17771	May 31, 1971	May 23, 1972
Cub # 10	17772	May 31, 1971	May 23, 1972
Cub # 11	19117	June 20, 1972	
Cub # 12	19118	June 20, 1972	
Nub # 1	18982	May 23, 1972	
Nub # 2	18983	May 23, 1972	

APPENDIX C

DOMINION OF CANADA:  
PROVINCE OF BRITISH COLUMBIA.  
To Wit:

In the Matter of the geochemical and geological survey over the Cub claims, 6 miles north of the mouth of Bedwell River in the Alberni Mining Division and the map and report preparation covering this work.

I, WILLIAM G. STEVENSON, P.Eng., Consulting Geologist

of 209 - 475 Howe Street, Vancouver 1, B.C.

in the Province of British Columbia, do solemnly declare that geochemical sampling and geological mapping has been accomplished over the area encompassing Mineral Claim, CUB 1-7.

Two geochemical maps, drawn to a scale of 1" = 200 feet have been compiled and the results posted, and interpreted, and a geological map has been prepared.

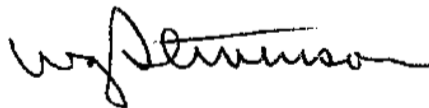
The field work was accomplished during September, 1972. A report describing this exploration with attached geochemical geological map accompanies this declaration.

The costs for this exploration program that can be applied toward the assessment requirements has been as follows:

Field work - wages 1 man 1 week	\$ 250.00
Transportation	50.00
Assaying	177.00
Supervision and Interpretation	150.00
Report Preparation	<u>75.00</u>
	<u>\$ 702.00</u>

And I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath and by virtue of the "Canada Evidence Act."

Declared before me at the City  
of Vancouver, in the  
Province of British Columbia, this  
day of \_\_\_\_\_, A.D.



In the Matter of

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**Statutory Declaration**  
(CANADA EVIDENCE ACT)

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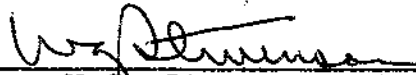
CERTIFICATE

I, WILLIAM G. STEVENSON, do hereby certify:

1. That I am a Consulting Geological Engineer with offices at Suite 209, Crown Trust Building, 475 Howe Street, Vancouver 1, B.C.
2. That I am a graduate of the University of Utah 1946 with a Bachelor of Science Degree.
3. That I am a registered Professional Engineer in the Association in British Columbia.
4. That I have practised my profession for 23 years.
5. That this report dated January 19, 1973 is based on my examination during 1969 and on an evaluation of work performed by Mr. Walter Guppy and on published and unpublished reports.

DATED at Vancouver, British Columbia, this 19th day of January, 1973.

W. G. STEVENSON & ASSOCIATES LIMITED  
Consulting Geologists

  
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W.G. Stevenson, P.Eng.,