

GEOCHEMICAL REPORT

on

CROWN CLAIM GROUP

(62°22'N, 133°35'W)

at

ROSE CREEK, YUKON

for

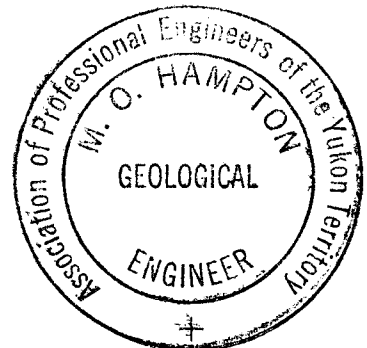
ANVIL MINING CORPORATION LIMITED

REPORT BY :

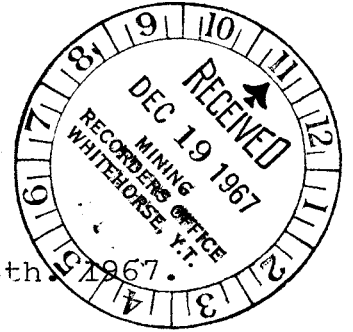
M.O. Hampton, P. Eng.
Chief of Exploration for
ANVIL MINING CORPORATION LTD.

SAMPLED :

June 29 - July 11, 1967.



ANVIL MINING CORPORATION LIMITED
P.O. BOX 2470
103 POLARIS BLOCK
WHITEHORSE, YUKON TERRITORY
CANADA



December 18th, 1967.

Mr. G. McIntyre,
Chief Mining Recorder
Federal Building
Whitehorse
Yukon Territory.

Dear Mr. McIntyre :

The accompanying report is submitted to apply as representative work on the CROWN claim group.

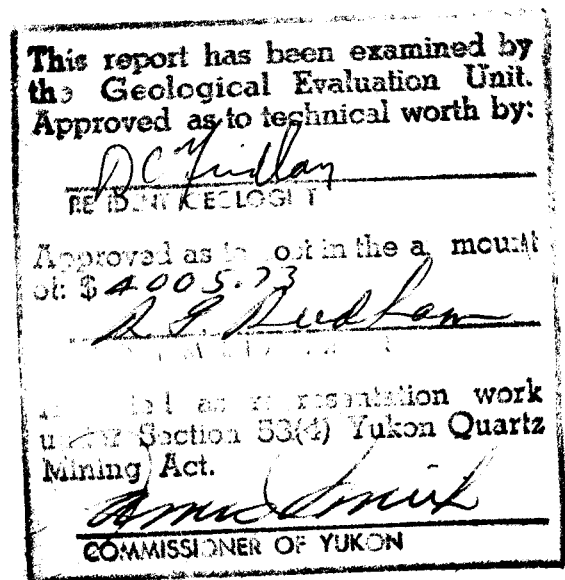
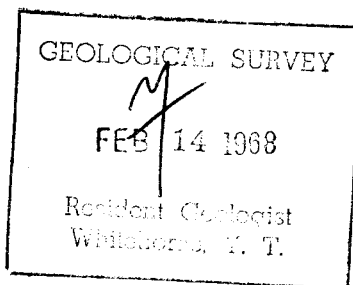
The area covered is on claim map sheet 105K/5.

Yours truly,

M.O. Hampton, P. Eng.
Chief of Exploration
ANVIL MINING CORPORATION LTD.

MOH/pp

Enclosure :



GEOCHEMICAL SURVEY
CROWN CLAIM GROUP

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INTRODUCTION

A geochemical soil sample survey was carried out on mineral claims CROWN 1-34 inclusive during the period June 29 - July 11, 1967. These claims are owned by Anvil Mining Corporation Limited. The work was carried out by company personnel.

Access to the property was by airplane to the Faro Airstrip thence by helicopter. A Bell 47G3B1 helicopter was under contract to Anvil Mining and based at Faro Camp some seven miles east of the CROWN mineral claim group.

The CROWN was staked for Anvil in 1967 on the basis of possible favourable geology. Underlying rocks are thought to be of the same unit that contains ore bodies elsewhere in the district.

The geochemical survey was the first work undertaken on this property in an attempt to establish a favourable drill target.

SURVEY TECHNIQUES

The location lines were claimed and stations marked to serve as baselines for the survey. Compass and tape traverses were run off the baselines and soil samples dug with mattocks at intervals giving an overall sampling pattern at the centre and corners of 400 foot squares. An attempt was made to collect "B" horizon soil but, as is typical of the area, soils are poorly developed and

samples tended to be high in organic content. Unless the organic content was extremely high the soil samples were analyzed in the laboratory.

LABORATORY ANALYSIS

Test methods used involved a hot aqua regia extraction of heavy metal ions from the soil sample, followed by reaction with dithizone or biquinoline to give coloured products. The coloured reaction products were then compared to a series of coloured solutions representing known metal content, to determine the metal content of the soil sample. Separate and specific tests for each of the three metals copper, lead and zinc were carried out on each soil sample.

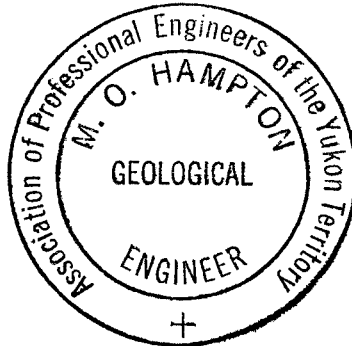
RESULTS AND INTERPRETATION

The values obtained were plotted on a 1" = 400' plan but the lack of continuity of anomalous values prevents any meaningful contouring of the results. Of the three metals analyzed for, copper values over 50 parts per million might be considered anomalous. No anomalously high values of either lead or zinc were obtained. Samples thought to be anomalous are indicated by colour on the enclosed map.

CONCLUSIONS AND RECOMMENDATIONS

Geochemical analysis of soil samples taken from the CROWN claim groups during 1967 failed to indicate any likely drill target.

The survey, however, does indicate a greater amount of copper irons in the north eastern half of the group. In view of the favourable location a gravity survey is recommended for that part of the property lying north of Rose Creek.



A handwritten signature in cursive script, appearing to read "M. O. Hampton".

M.O. Hampton, P. Eng.
Chief of Exploration for
ANVIL MINING CORPORATION LTD.

APPENDIX I (i)

STATEMENT OF COSTS

1967 Geochemical Survey
CROWN Group

(A) Soil Sampling (915) Samples)

Wages 60 man days @ \$16.	\$ 960.00	
Maintenance 60 man days @ \$10.	\$ 600.00	
Helicopter (transport) (June 29,30. July 3-6,8-11) 6hr. 20mins.@ \$110/hr.	<u>\$ 696.67</u>	\$2,256.67

(B) Laboratory Analysis (891 Samples)

891 Samples @ \$1.66	<u>\$1479.06</u>	\$1,479.06
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(C) Compilation of Report

Draughting, typing, clerical and printing	\$ 75.00	
Writing	<u>\$ 45.00</u>	\$,120.00

(D) Supervision

M.O. Hampton	1 day		
D. Mayes	3 days	<u>\$ 150.00</u>	\$ 150.00

\$4,005.73

APPENDIX I (ii)

PERSONNEL

(A) Soil Sampling

D. Fleming		Box 2470,Whitehorse,Y.T.
B. Fraser		Box 2470,Whitehorse,Y.T.
D. Hanson		Box 2470,Whitehorse,Y.T.
G. Macdonald		Box 2470,Whitehorse,Y.T.
P. Ogison		Box 2470,Whitehorse,Y.T.
L. Schmuck		Box 2470,Whitehorse,Y.T.

(B) Laboratory Analysis

L. Olsen	Lab Technician	Box 2470,Whitehorse,Y.T.
M. Knapp	Lab Technician	Box 2470,Whitehorse,Y.T.
G. Paterson	Sample Preparation	Box 2470,Whitehorse,Y.T.
W. Randle	Lab Assistant	Box 2470,Whitehorse,Y.T.

(C) Compilation of Report

D. Hanson	Draughting	Box 2470,Whitehorse,Y.T,
M. Hampton	Chief of Explorat- ion	Box 2470,Whitehorse,Y.T.

(D) Supervision

M. Hampton	Chief of Explorat- ion	Box 2470,Whitehorse,Y.T.
D. Mayes	Geologist	Box 2470,Whitehorse,Y.T.

APPENDIX I (iii)

A F F I D A V I T

SUPPORTING STATEMENT OF COSTS
Geochemical Survey
June 29 - July 11, 1967.

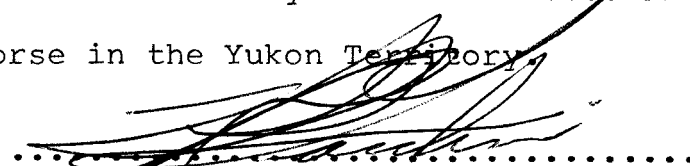
I, Murray O. Hampton, Chief of Exploration for ANVIL MINING CORPORATION LIMITED, have compiled the Statement of Costs as presented in this report "Geochemical Report CROWN Claim Group", DO MAKE OATH AND SAY AS FOLLOWS :

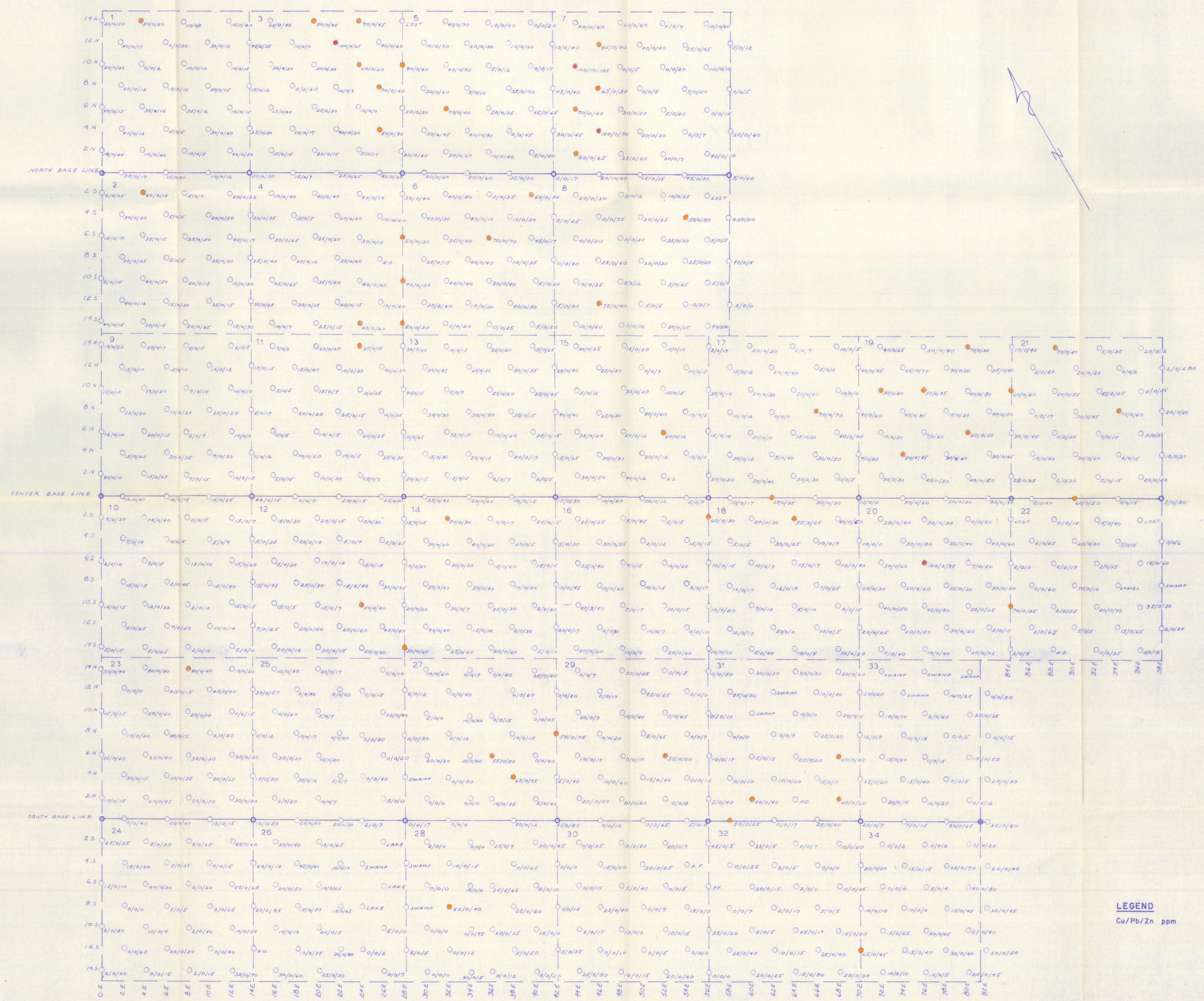
That to the best of my knowledge and belief, the Statement of Costs as presented is a true and an accurate presentation of expenditure to be applied as representation work on the CROWN mineral claims.



Murray O. Hampton, B.A.Sc., P. Eng.
Chief of Exploration for
ANVIL MINING CORPORATION LIMITED

Sworn before me this.....day of **DEC 19 1967** 1967,
in the City of Whitehorse in the Yukon Territory.


.....
A Commissioner for taking oaths in
and for the Territory of Yukon.



LEGEND
Cu/Pb/Zn ppm

ANVIL MINING CORPORATION	
CROWN GEOCHEMISTRY	
DATE SAMPLED: JULY 1-10, '67	SCALE: 1"=400'
SAMPLES TAKEN: 915	DATE: JULY 18, 1967
SAMPLES ANALYZED: 891	DRAWN BY: D.J.H.
SAMPLED BY: D. FLEMING, B. FRASER, D. HANSON, G. MACDONALD, L. SCHMUCK, P. GIGSON.	ANALYZED BY: L. OLSEN M. KNAPP
CFA-25	