

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.

Dear Mr. McIntyre :

The accompanying Geochemical Report is submitted in support of applications for certificates of work on the MULTI mineral Claim Group.

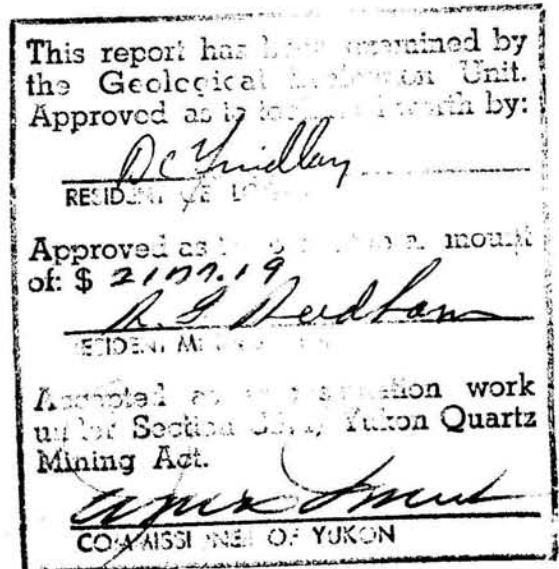
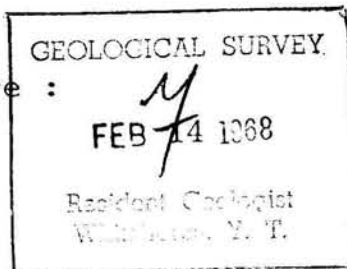
The area covered is on claim map sheet 105K/5.

Yours truly,

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

MOH/pp

Enclosure :



GEOCHEMICAL REPORT
on
MULTI CLAIM GROUP
(62°22'N, 133°35'W.)
at
ROSE CREEK, YUKON
for
ANVIL MINING CORPORATION LIMITED

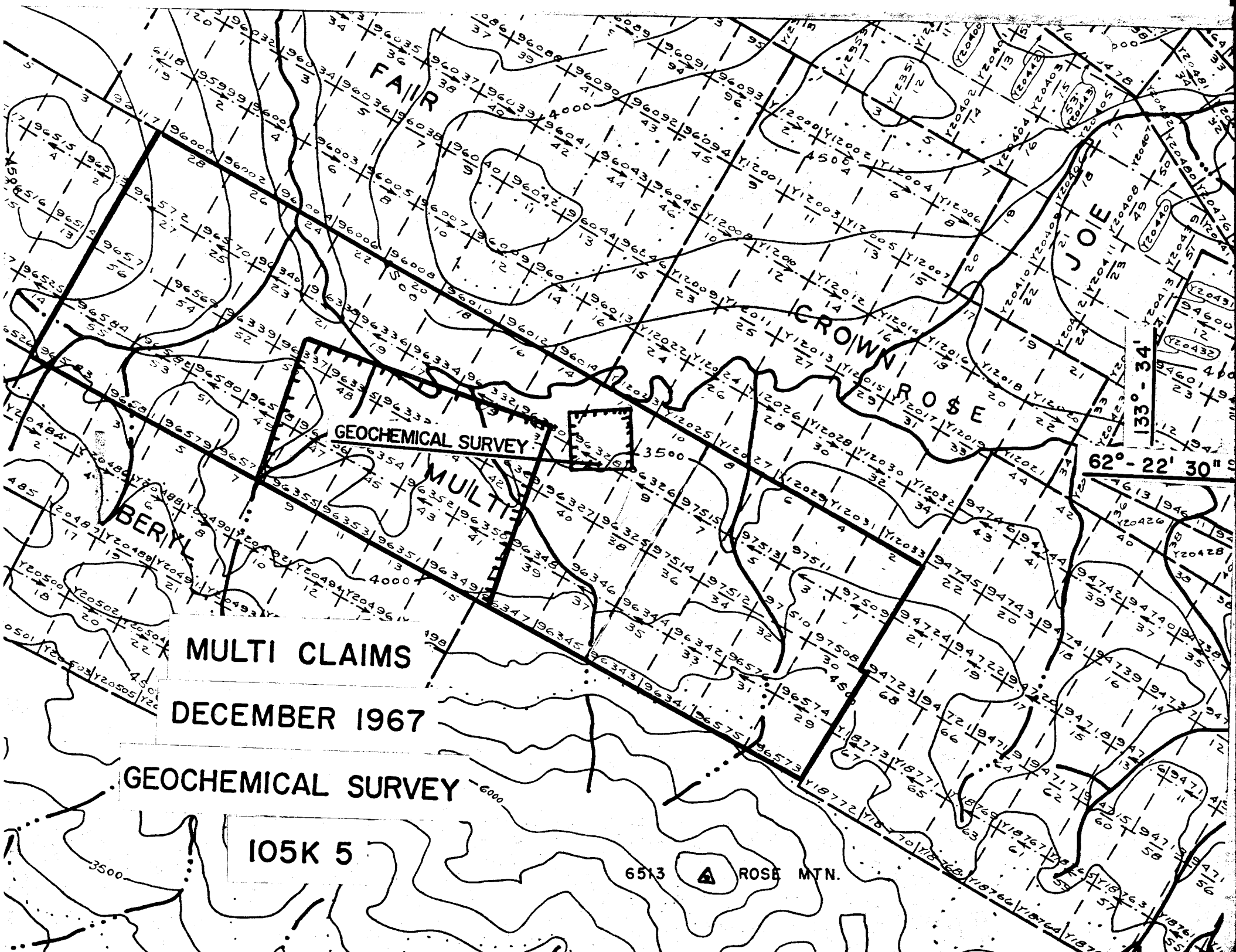
REPORT BY : M.O. Hampton, P. Eng.,
Chief of Exploration for
ANVIL MINING CORPORATION LIMITED

SAMPLES TAKEN : July 3 - 4, September 11 - 14,
16, 1967.

GEOCHEMICAL SURVEY
MULTI CLAIM GROUP

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GEOCHEMICAL SURVEY

MULTI CLAIMS

MULTI CLAIMS

DECEMBER 1967

GEOCHEMICAL SURVEY

105K 5

6513 ▲ ROSE MTN.

INTRODUCTION

Geochemical soil sample surveys were carried out on mineral claims MULTI 11-15 inclusive, 17,19,21,41-50 inclusive during the periods July 3-4, September 11-14, 16, 1967. These claims are owned by Anvil Mining Corporation Limited. The sampling and part of the analysis was carried out by Anvil personnel.

The soil samplers stayed at Anvil's Faro Camp and were transported daily, by helicopter, to the claim group. A Bell 47G3B1 was under contract to Anvil and based at Faro Camp.

The small grid, mainly on MULTI 12, was to test a small coincident magnetic and electromagnetic anomaly from airborne surveys. The remainder of the work was to test an airborne electromagnetic anomaly. The areas covered are underlain by interbedded schists and volcanics striking northwest and dipping approximately 30 degrees to the southwest.

SOIL SAMPLING SURVEY SPECIFICATIONS

The small grid, MULTI 12, had the baseline controlled by transit and chain with picket lines laid off at 400 foot intervals. Soil samples were collected at 100

foot intervals along intermediate lines controlled by compass and tape.

The remaining samples were collected at 500 foot intervals along compass and tape controlled lines.

Where possible the B soil horizon was sampled. However, in general, the soil is poorly developed and most samples contained a relatively high organic content.

LABORATORY ANALYSIS

Samples from the small grid, collected July 3 and 4, were analyzed in the geochemical laboratory at Faro Camp by Anvil personnel. Test methods employed involved a hot aqua regia extraction of heavy metal ions from a standard quantity of 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.

The later samples were sent to a commercial laboratory in North Vancouver, B.C. (Chemex Limited) for analysis. Separate and specific tests for each of the three metals, copper, lead and zinc were carried out on each soil sample.

RESULTS AND INTERPRETATION

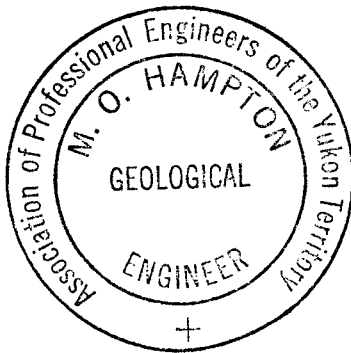
The values obtained from the soil analysis were plotted on a plan of the sampled area and these plans form part of this report.

Only a few erratic high values in copper were obtained while lead and zinc highs are virtually non-existent.

CONCLUSIONS AND RECOMMENDATIONS

The geochemical surveys on the MULTI group failed to indicate any promising area warranting further investigation on the basis of geochemistry.

The small grid, on MULTI 12, was recommended for investigation by an Induced Polarization survey.



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

APPENDIX I (i)

STATEMENT OF COSTS

1967 Geochemical Survey MULTI Group

| | | | |
|---|----|---------------|------------------------------------|
| (A) Linecutting | | | |
| 1 man day @ \$25.00 | \$ | 25.00 | |
| 1 man day @ \$20.00 | \$ | 20.00 | |
| 8 man days @ \$16.00 | \$ | <u>128.00</u> | |
| Helicopter transport | | | |
| June 28, 29 | | | |
| 3hrs.40mins. @ \$110/hr. | \$ | 403.33 | |
| Maintenance | | | |
| 10 m.d. @ \$6.80/day | \$ | <u>68.00</u> | \$ 644.33 |
| | | | |
| (B) Soil Sampling (243 samples) | | | |
| 16 man days @ \$16.00 | \$ | 256.00 | |
| Maintenance 12 m.d. @ \$6.80 | | 81.60 | |
| 4 m.d. @ \$10.00 | \$ | 40.00 | |
| Helicopter transport | | | |
| July 3, Sept.11-14, 16. | | | |
| 3hrs.30mins. @ \$110/hr. | \$ | <u>385.00</u> | \$ 762.60 |
| | | | |
| (C) Laboratory Analysis (241 samples) | | | |
| 111 samples @ \$1.66 | \$ | 184.26 | |
| 130 samples @ \$2.20 | \$ | <u>286.00</u> | \$ 470.26 |
| | | | |
| (D) Compilation of Report | | | |
| Draughting, typing, clerical | | | |
| and printing | \$ | 105.00 | |
| Writing | \$ | <u>45.00</u> | \$ 150.00 |
| | | | |
| (E) Supervision | | | |
| D. Mayes 3 days @ \$35.00 | \$ | 105.00 | |
| M.O. Hampton 1 day @ \$45.00 | \$ | <u>45.00</u> | \$ 150.00 |
| | | | |
| | | | <u>\$ 2,177.19</u> |
| | | | <u><u> </u></u> |

APPENDIX I (ii)

PERSONNEL

(A) Linecutting

| | | |
|--------------|--------------------------|----------------------|
| P. Byers | Engineering Technologist | Box 2470,Whitehorse. |
| D. Hanson | Lead Soil Sampler | Box 2470,Whitehorse. |
| E. Hoskins | Student Helper | Box 2470,Whitehorse. |
| G. Macdonald | Soil Sampler | Box 2470,Whitehorse. |
| L. Schmuck | Soil Sampler | Box 2470,Whitehorse. |
| W. Rundle | Student Helper | Box 2470,Whitehorse. |

(B) Soil Sampling

| | | |
|--------------|--------------|----------------------|
| G. Macdonald | Soil Sampler | Box 2470,Whitehorse. |
| L. Schmick | Soil Sampler | Box 2470,Whitehorse. |
| M. Currie | Soil Sampler | Box 2470,Whitehorse. |
| J. Sadler | Soil Sampler | Box 2470,Whitehorse. |

(C) Laboratory Analysis

| | | |
|--|----------------|----------------------|
| L. Olsen | Lab.Technician | Box 2470,Whitehorse. |
| M. Knapp | Lab.Technician | Box 2470,Whitehorse. |
| G. Paterson | Lab.Assistant | Box 2470,Whitehorse. |
| Chemex Labs Limited, 1416 Crown Street, N.Vancouver, B.C., | | |

(D) Compilation of Report

| | | |
|------------|----------------------|----------------------|
| D. Hanson | Draughtsman | Box 2470,Whitehorse. |
| A. Mak | Draughtsman | Box 2470,Whitehorse. |
| M. Hampton | Chief of Exploration | Box 2470,Whitehorse. |

(E) Supervision

| | | |
|------------|----------------------|----------------------|
| D. Mayes | Geologist | Box 2470,Whitehorse. |
| M. Hampton | Chief of Exploration | Box 2470,Whitehorse. |

APPENDIX I (iii)

A F F I D A V I T

SUPPORTING STATEMENT OF COSTS
Geochemical Survey
July 3-4, Sept. 11-14, 16, 1967.

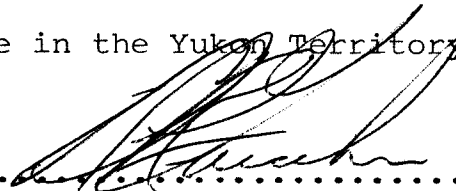
I, Murray O. Hampton, Chief of Exploration for ANVIL MINING CORPORATION LIMITED, have compiled the Statement of Costs as presented in this report "Geochemical Report MULTI Claim Group", DO MAKE OATH AND SAY AS FOLLOWS :

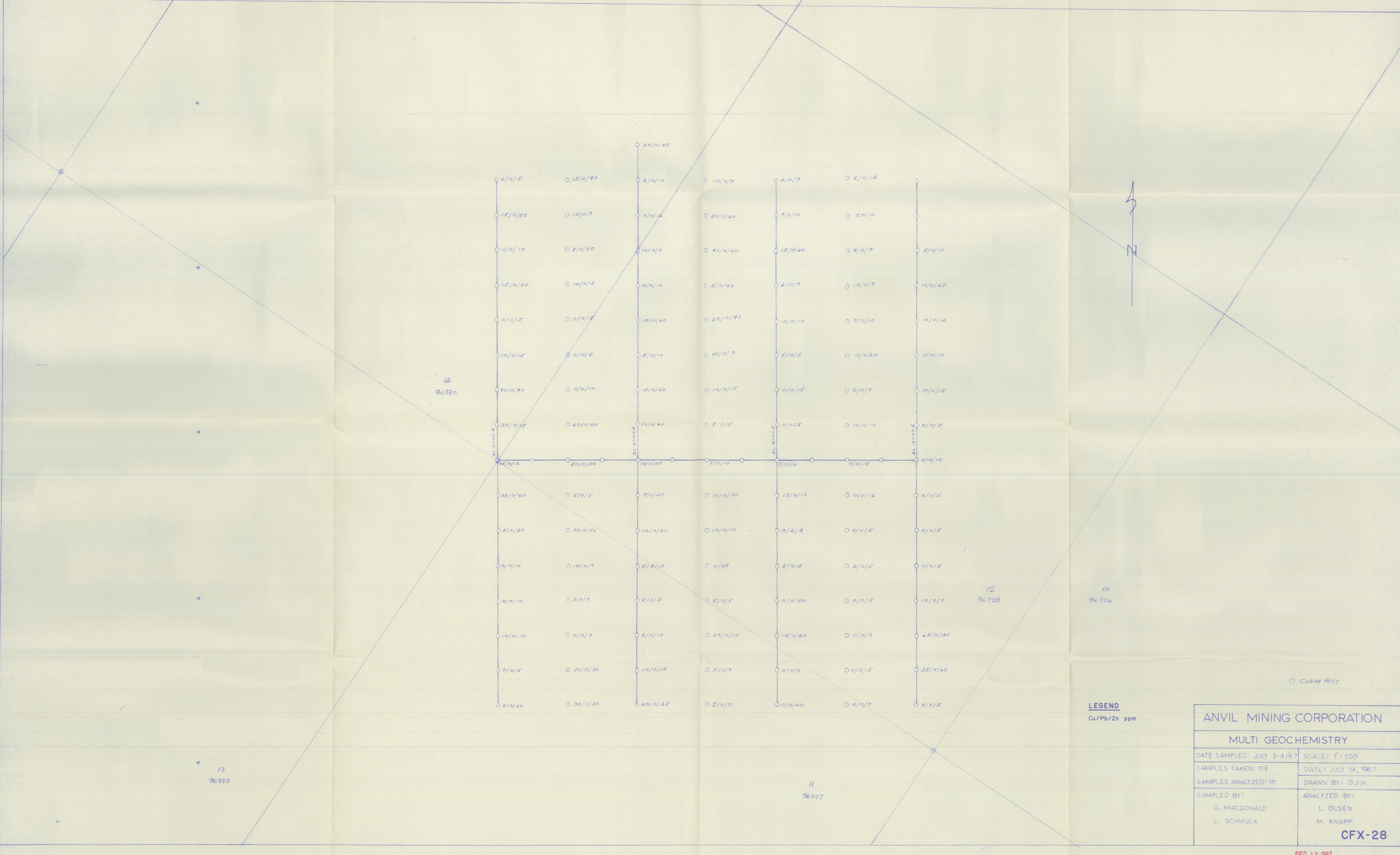
That to the best of my knowledge and belief, the Statement of Costs as presented is a true and an accurate presentation of expenditures to be applied as representation work on the MULTI mineral claims.



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

SWORN before me this **DEC. 20 1967** day of1967
in the City of Whitehorse in the Yukon Territory.


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



14
96330

12
96328

10
96326

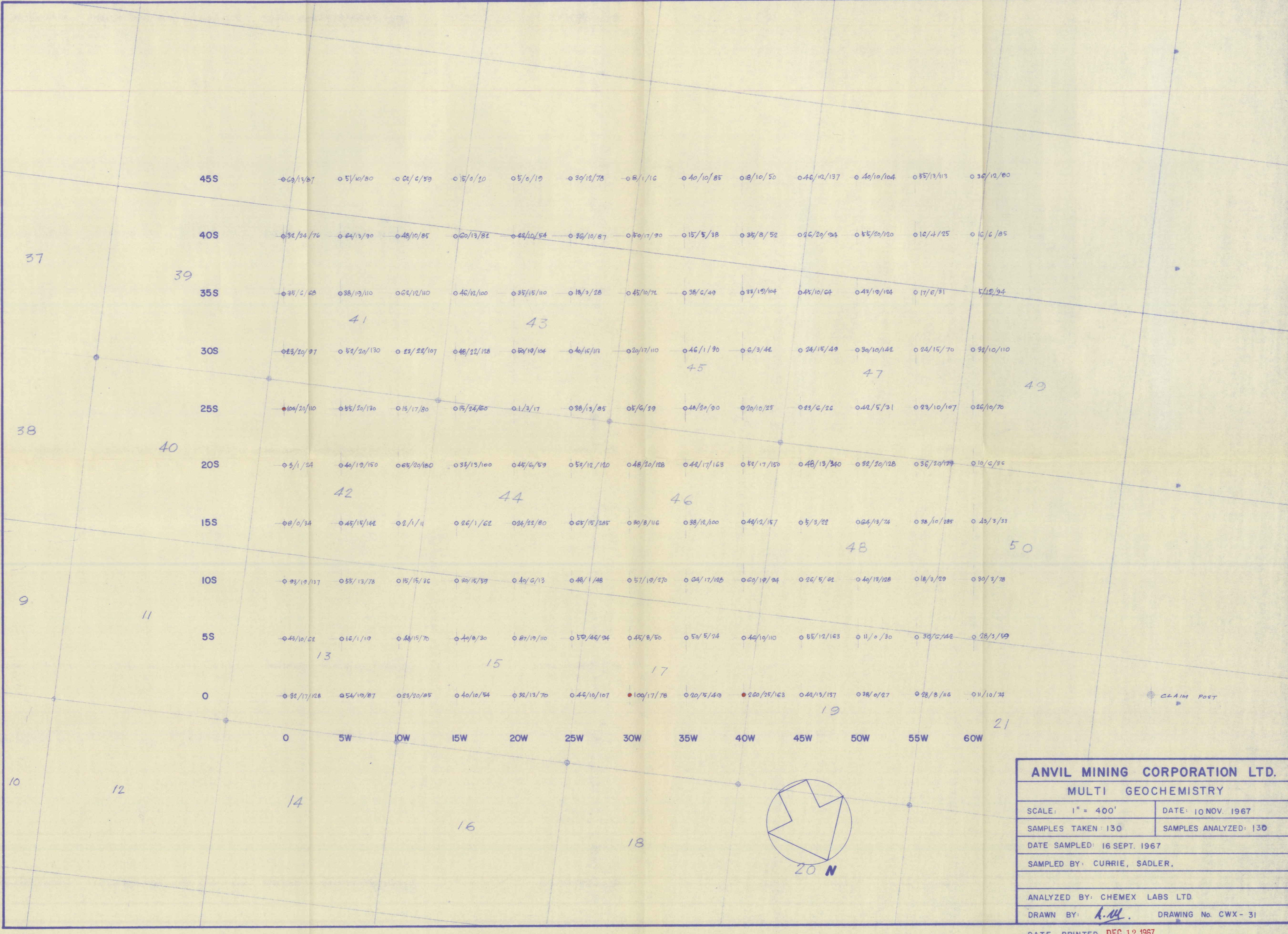
13
96329

11
96327

LEGEND
Cu/Pb/Zn ppm

○ CLAIM POST

| ANVIL MINING CORPORATION | |
|---|--------------------------------------|
| MULTI GEOCHEMISTRY | |
| DATE SAMPLED: JULY 3-4/67 | SCALE: 1" = 100' |
| SAMPLES TAKEN: 113 | DATE: JULY 14, 1967 |
| SAMPLES ANALYZED: 111 | DRAWN BY: D.J.H. |
| SAMPLED BY: G. MACDONALD L. SCHMUCK | ANALYZED BY: L. OLSEN M. KNAPP |
| CFX-28 | |



45S 069/13/87 05/10/80 062/6/59 015/0/20 05/0/19 039/12/78 08/1/16 040/10/85 018/10/50 046/12/137 040/10/104 055/13/113 036/12/80
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 15S 020/0/34 045/15/142 02/1/11 026/1/62 024/22/80 065/15/285 030/8/116 038/12/100 042/12/157 05/3/22 064/13/74 038/10/285 043/3/33
 10S 023/19/137 055/13/78 015/15/36 030/15/59 040/6/13 048/1/48 057/19/270 024/17/128 060/19/24 026/5/62 040/13/128 018/3/29 030/3/78
 5S 043/10/62 016/1/19 043/15/70 040/8/30 027/19/110 050/46/24 045/8/50 050/5/24 042/10/110 055/12/163 011/0/30 030/6/42 028/3/59
 O 032/17/128 054/19/87 023/20/85 040/10/54 032/13/70 046/10/107 0100/17/78 020/5/49 0260/25/163 041/13/137 038/0/27 028/8/116 011/10/74

0 5W 10W 15W 20W 25W 30W 35W 40W 45W 50W 55W 60W

| | |
|--------------------------------------|-----------------------|
| ANVIL MINING CORPORATION LTD. | |
| MULTI GEOCHEMISTRY | |
| SCALE: 1" = 400' | DATE: 10 NOV. 1967 |
| SAMPLES TAKEN: 130 | SAMPLES ANALYZED: 130 |
| DATE SAMPLED: 16 SEPT. 1967 | |
| SAMPLED BY: CURRIE, SADLER. | |
| ANALYZED BY: CHEMEX LABS LTD. | |
| DRAWN BY: <i>A.M.</i> | DRAWING No. CWX-31 |
| DATE PRINTED DEC 12 1967 | |