

ANVIL MINING CORPORATION LIMITED

P.O. BOX 2470
103 POLARIS BLOCK
WHITEHORSE, YUKON TERRITORY
CANADA

VANCOUVER OFFICE:
510 WEST HASTINGS STREET
VANCOUVER 2, B.C.
CANADA

October 12, 1966

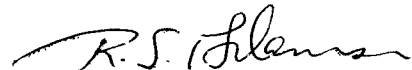
Mr. G. McIntyre
Chief Mining Recorder
Federal Building
Whitehorse, Yukon Territory

Dear Mr. McIntyre:

The accompanying report is submitted to apply
as assessment work on the TED Claim Group.

The area covered is on claim map sheet
105 K/10.

Yours truly,



R.S. Adanson, P. Eng.
Chief of Exploration for
ANVIL MINING CORP LTD

This report has been examined by the Geological Evaluation Unit. Approved as to technical worth by: <i>DC Fullay</i> 2-11-66 RESIDENT GEOLOGIST
Approved as to cost in the amount of \$ <i>3401.88</i> <i>R.S. Adanson</i> CHIEF OF EXPLORATION
Accepted as representation work under Section 53(4) Yukon Quartz Mining Act. <i>[Signature]</i> COMMISSIONER OF YUKON Administrator

GEOCHEMICAL REPORT

on

TED CLAIM GROUP
(62° 40' N, 133° 45' W)

at

TEDDY CREEK, YUKON

for

ANVIL MINING CORP. LTD



REPORT BY:

R.S. Adamson, P.Eng
Chief of Exploration for
ANVIL MINING CORP LTD.

Sampled : June 17 - 23, 1966

GEOCHEMICAL SURVEY
TED CLAIM GROUP

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TEDDY

24	MACK 22	MACK 20	MACK 18	MACK 33	MACK 35	MACK 37	MACK 39	MACK 41	MACK 43	MACK 45	MACK 47				
23	97721 MACK 21	97719 MACK 19	97717 MACK 17	Y5568 MACK 34	Y5565 MACK 36	Y5567 MACK 38	Y5569 MACK 40	Y5571 MACK 42	Y5573 MACK 44	Y5575 MACK 46	Y5577 MACK 48				
122	97720 MACK 8	97718 MACK 4	97716 MACK 2	Y5564 TED 28	Y5566 TED 26	Y5568 TED 24	Y5570 TED 22	Y5572 TED 20	Y5574 TED 18	Y5576 TED 16	Y5578 TED 14				
107	97705 MACK 5	97703 MACK 3	97701 MACK 1	93082 TED 47	93080 TED 45	93078 TED 43	93076 TED 41	93074 TED 39	93072 TED 37	93070 TED 35	93068 TED 33	93066 TED 31	93064 TED 29	93062 TED 27	93060 TED 25
106	97704 PAT 9	97702 PAT 7	97700 PAT 5	93081 TED 24	93079 TED 22	93077 TED 20	93075 TED 18	93073 TED 16	93071 TED 14	93069 TED 12	93067 TED 10	93065 TED 8	93063 TED 6	93061 TED 4	93059 TED 2
91	97689 PAT 5	97687 PAT 3	97685 PAT 1	93058 TED 23	93056 TED 21	93054 TED 19	93052 TED 17	93050 TED 15	93048 TED 13	93046 TED 11	93044 TED 9	93042 TED 7	93040 TED 5	93038 TED 3	93036 TED 1
90	97688 PAT 4	97686 PAT 2	97684 PAT 0	93057 TED 24	93055 TED 22	93053 TED 20	93051 TED 18	93049 TED 16	93047 TED 14	93045 TED 12	93043 TED 10	93041 TED 8	93039 TED 6	93037 TED 4	93035 TED 2

TED CLAIMS
 GEOCHEMICAL SURVEY
 OCTOBER 1966
 105 K 10

INTRODUCTION

A geochemical survey was carried out on mineral claims TED 2 to 14 inclusive and 27 to 38 inclusive during the period June 17th to 23rd, 1966 for 7 days. These claims are owned by ANVIL MINING CORP LTD and the work was carried out by company personnel except for the preparatory linecutting.

Linecutting was done by contract linecutters of White, Hosford and Impey Ltd. of Whitehorse.

Access to the property by all people involved with the property was by helicopter.

The object of the survey was to establish relatively large and generally defined areas of possible valuable metal content (Cu, Pb, Zn) with a view to following up on geochemically anomalous areas with geophysical techniques. Any geophysical anomalies located within a larger general geochemical anomaly would provide the necessary finer definition for diamond drilling.

Further, the geochemical survey is a method to establish whether airborne magnetic and electromagnetic anomalies, which often in the Vangorda area are caused by basic flows and intrusives and graphitic sediments respectively, could be massive sulphides carrying copper, lead or zinc.

SOIL SAMPLING SURVEY TECHNIQUES

A baseline was laid out with a transit and picket lines turned off at 800 foot intervals along the base line by transit. Stations were established along the picket lines at 100 foot intervals.

Soil sampling was done on 400 foot centres. Where possible the B horizon was sampled. However no time was wasted obtaining the B horizon in the event permafrost prevailed or an organic soil was thicker than one foot. In the latter case the organic soil would be analyzed in the lab when possible. In that the target was a large near surface sulphide deposit it was felt that a generally defined as opposed to a well defined geochemical anomaly was sufficient.

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 matched with solutions of known metal content, which had been reacted with dithizone or biquinoline, 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

Of the three metals analyzed for, only copper values above 60 parts per million might be considered anomalous. No significant lead or zinc was revealed.

In general, the copper values are erratic to the extent that contouring of the results is not considered justified. An area of high copper values occurs on TED claims 12, 14, 35, 36 and 37. This high geochemical area is associated with a gossen in the same general area.

Of the 366 samples taken in the field only 336 were run in the lab, usually because of the exceptionally high organic content of the sample.

CONCLUSIONS and RECOMMENDATIONS

An area of interesting copper geochemistry occurs on the northwestern quarter of the surveyed grid. This geochemical anomalous area is associated with a gossen. It is probable that a copper bearing sulphide body lies within this part of the claim group.

This geochemical anomaly and gossen should be related to the magnetic and electromagnetic survey that was carried out more or less at the same time as the geochemical survey. In addition the relation of the geochemically anomalous area to the outcrop geology should be established.

Once the relation of these geophysical, geochemical and geological parameters is understood, then further investigation by physical means such as stripping or diamond drilling may be in order.



R.S. Adamson, I. Eng.
Exploration Chief for
ANVIL MINING CORP LTD

APPENDIX I (1)

STATEMENT OF COSTS

Geochemical Survey TED Group

(A)	Linecutting (Invoice Submitted)		\$ 1,711.12
	Baseline 10499 ft	\$ 495.00	
	Picket Lines 42000 ft	<u>616.12</u>	
		1,111.12	
	Transportation, helicopter	<u>600.00</u>	
		1,711.12	
(B)	Soil Sampling (366 samples)		783.00
	Wages 21 man days @ \$15.00	315.00	
	Maint. 21 man days @ 8.00	168.00	
	Transportation, helicopter	<u>300.00</u>	
		783.00	
(C)	Laboratory Analysis		
	336 samples @ \$1.66		557.76
(D)	Compilation of Report		200.00
(E)	Supervision		150.00
			<u>\$ 3,401.88</u>

APPENDIX I (11)

PERSONNEL

(A) Line cutting - Contract : White, Hosford & Impey Ltd
Box 1188
Whitehorse, Yukon Territory

(B) Soil Sampling

P. Byers	Lead Soil Sampler	Box 2470, Whitehorse Y.T.		
F. Ashton	Soil Sampler	" "	" "	" "
D. Hanson	" "	" "	" "	" "

(C) Laboratory Analysis

J. Kirkland	Geochemist	" "	" "	" "
L. Olsen	Lab Assistant	" "	" "	" "
R. Pringle	Lab Assistant	" "	" "	" "
W. Rundle	Sample Preparation	" "	" "	" "

(D) Compilation of Report

R.S. Adamson	Chief of Exploration	" "	" "	" "
P. Byers	Draughtsman	" "	" "	" "

(E) Supervision

R.S. Adamson	Chief of Exploration	" "	" "	" "
M.C. Hampton	Geologist	" "	" "	" "
P. Byers	Lead Soil Sampler	" "	" "	" "

APPENDIX I (iii)

A F F I D A V I T

SUPPORTING STATEMENT OF COSTS
Geochemical Survey
June 27th - 23rd, 1966

I, Robert S. Adamson, Chief of Exploration for ANVIL MINING CORPORATION LIMITED, have compiled the statement of costs as presented in this report "Geochemical Survey of TED 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 true and an accurate representation of expenditures to be applied as representative work on the TED 2 to 14 inclusive, 27 to 38 inclusive, mineral claims.



R. S. Adamson

Robert S. Adamson, B.A.Sc., P.Eng
Chief of Exploration for
ANVIL MINING CORP LTD.

DATED this... ^{OCT 20 1966}day of.....1966, in
the City of Whitehorse in the Yukon Territory.

Amickson
A Commissioner for taking Affidavits
in and for the Yukon Territory.

White, Hosford & Impey Limited

LEGAL SURVEYS :: ENGINEERING

Whitehorse, Yukon

Paul S. White, P.Eng., A.L.S., D.L.S.
A. Denis Hosford, A.L.S.
Hugh E. Impey, A.L.S., S.L.S., M.L.S., D.L.S.

14 July, 1966

Statement of Account

With: Anvil Mining Corporation Limited
Box 2470
Whitehorse, Y.T.

To: Cut Grid Line,

Ted Grid:

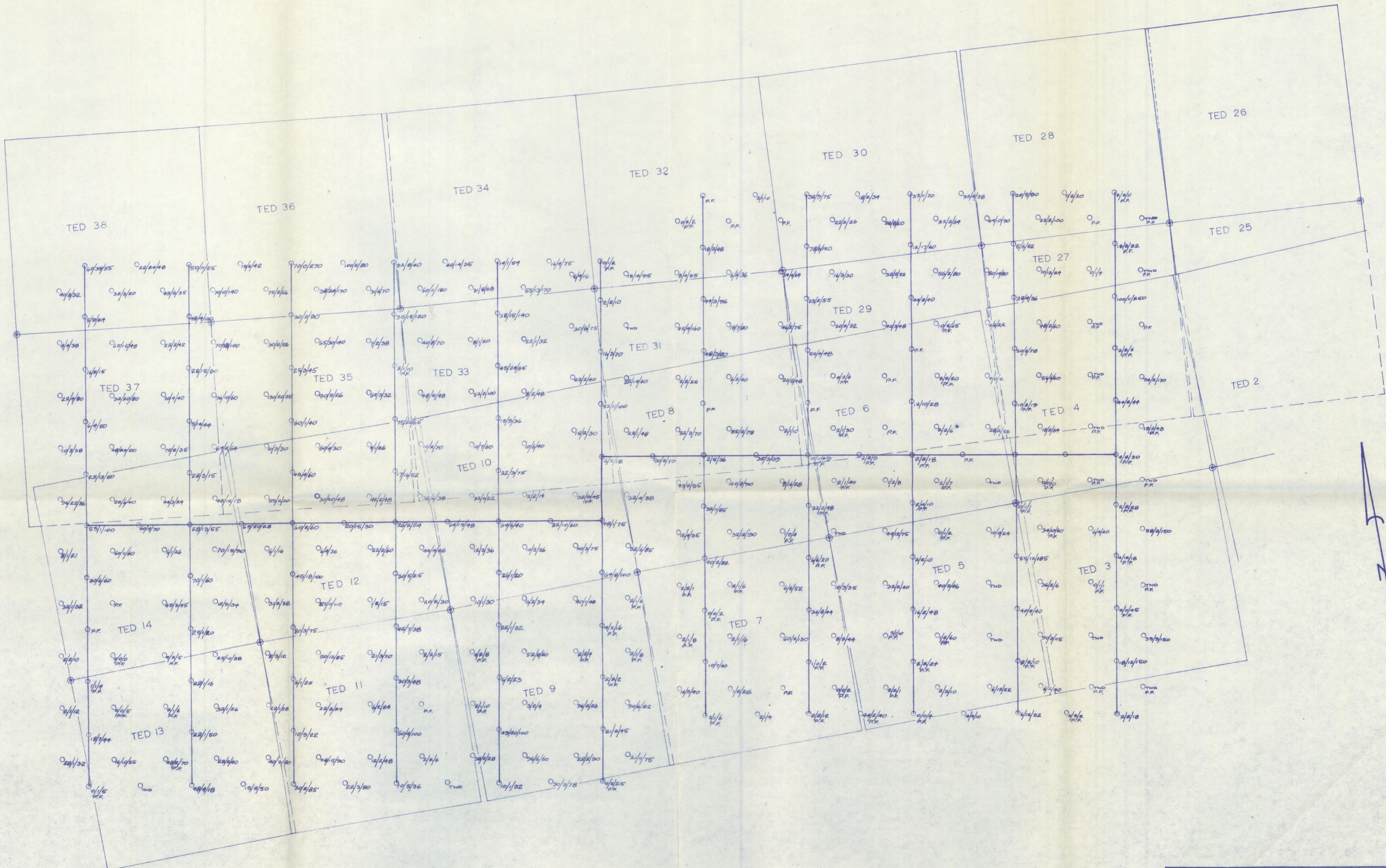
Base Line: 10499' = 1.98 /m @ \$250.00 ----- \$ 495.00 ✓

Picket Line: 42000' = 7.95/m @ \$77.50 ----- \$ 616.12 ✓

TOTAL THIS INVOICE ----- \$1,111.12

P. O. NUMBER	
PRICE CHECKED	
QUANTITY CHECKED	
COMPUTATIONS CHECKED	<i>ME</i>
ACCOUNT NUMBER	1403
CHECK NUMBER	Line 4 / 1096
APPROVED FOR PAY	<i>ME</i>

10499
10560



LEGEND
 C. SAMPLE LOCATION
 O. CLAIM POST
 1/2. SAMPLE ANALYSIS, Cu/Pb/Zn
 RF PERMAFROST
 TND. TAKEN, BUT NOT ANALYSED

ANVIL MINING CORP.	
FARO	
TED GEOCHEMISTRY	
SCALE: 1"=400'	
SAMPLES TAKEN:	366
SAMPLES ANALYSED:	336
SAMPLED BY: ASHTON, BYERS, HANSON.	
DATE SAMPLED: JUNE 17-23, 1966	
DRAWN BY: P.L.B.	