WHITEHORSE TEL.: 667-4343, 667-7114
AREA CODE: 403, TELEX: 049-834
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AREA CODE: 604, TELEX: 04-50237
CABLE ADDRESS: ANVLZINC

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

017548

March 30, 1967

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 RAM Claim Group.

The area covered is on claim map sheet 105 K 6 and 11.

Yours truly,

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

RSA/ew

GEOCHEMICAL REPORT

on

RAM CLAIM GROUP

at

ANVIL CREEK, YUKON

for

ANVIL MINING CORP. LTD.

MARCH 1967

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
R. S. ADAMSON

Report by: R.S. Adamson, P. Eng.
Chief of Exploration for
ANVIL MINING CORPORATION LTD.

Property Survey: August 10-22, 1966

GEOCHEMICAL SURVEY

RAM CLAIM GROUP

TABLE OF CONTENTS

	PAGE
KEY MAP	
INTRODUCTION	1
SURVEY TECHNIQUES	2
LABORATORY TECHNIQUES	2
RESULTS and INTERPRETATION	3
CONCLUSIONS and RECOMMENDATIONS	4

APPENDIX I

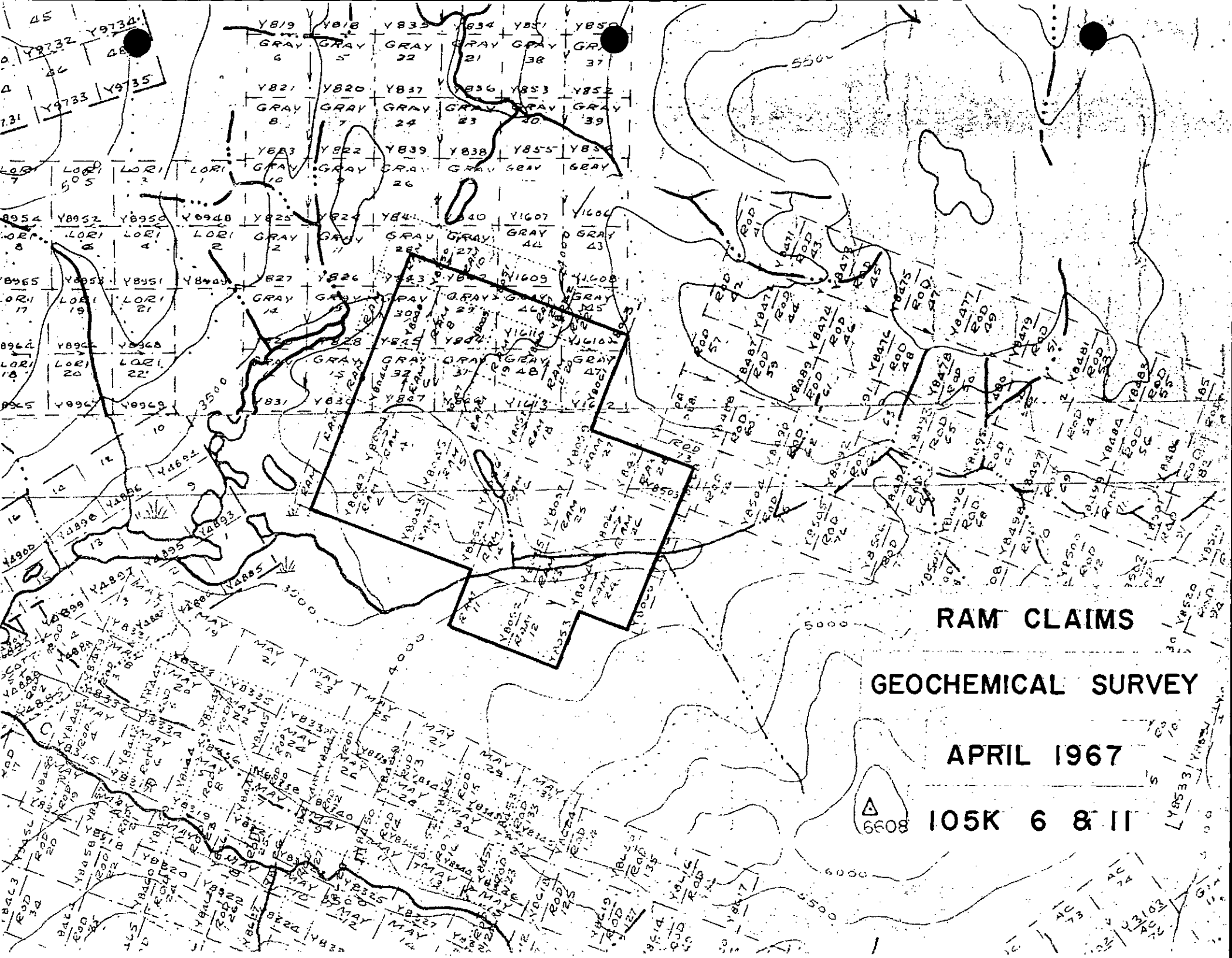
(i) Statement of Costs

(ii) Personnel

(iii) Affidavit supporting Statement of Costs

APPENDIX II — MAP FOLDER

Geochemical Results


RAM CLAIMS
GEOCHEMICAL SURVEY
APRIL 1967
105K 6 & 11

INTRODUCTION

A geochemical survey was carried out on the RAM mineral claim group during the period August 10 to 22, 1966. These claims are owned by ANVIL MINING CORP. LTD. and all the work was done by company personnel.

Access to the property by all people involved with the work on the property during 1966 was provided by a BELL G-3B helicopter based at Faro Camp 12 miles due south of the RAM property.

Acquisition of the RAM claims was predicated on a distinctive magnetic anomaly with moderate electromagnetic coincidence detected as a result of an airborne geophysical survey. The airborne magnetic anomaly has a residual value of 300 gammas.

The object of the geochemical survey was to establish relatively large and generally defined areas of possible valuable metal content which could be related to the airborne magnetic anomaly.

SOIL SAMPLING SURVEY TECHNIQUES

The three claim location lines were used as baselines for the geochemical survey. A formal linecutting grid was not carried out prior to sampling. Sampling control was maintained by chain and compass during the process of sampling. Orange flagging was used to locate and mark the sample locality in the field.

Soil sampling was done on 400 foot centres; at 400 foot intervals along flagged lines which in turn were perpendicular to the baseline and 600 feet apart along it. Wing samples 200 feet paced on either side of the flagged lines were taken to complete the 400 foot centre grid.

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 general soil conditions on the RAM property were moderately good and sampling was only restricted to a limited degree by permafrost.

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 colored products.

The colored 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 (copper, lead and zinc) only copper values above 60 parts per million might be considered anomalous. No significant lead values and only rare zinc values over 200 ppm were revealed.

With the single exception of one area, in general the copper values are erratic to the extent that contouring is not considered justified.

The lone area of geochemical interest occurs on RAM mineral claim 22 and is defined by a grouping of five samples in excess of 100 ppm copper. Of paramount interest is that this geochemistry directly overlies an airborne electromagnetic anomaly.

With regard to the primary target area, the strong airborne magnetic anomaly reveals no direct geochemical anomaly. Erratic

copper values occurring on the south half of claims 1, 2 and 13 may possibly reflect minor sulphide leakage from a sulphide body that is capped with overlying rock.

CONCLUSIONS and RECOMMENDATIONS

Geochemical analysis of soil samples taken on the RAM claim group has revealed a geochemical anomaly which can be directly related to a secondary airborne geophysical anomaly.

However, geochemistry over the primary airborne target proved essentially negative with only minor erratic values in the general vicinity which may not be related to the airborne magnetic anomaly.

In that the firm geochemical anomaly on Claim 22 is not firmly localized further geochemistry is recommended to isolate the anomaly. In addition a ground electromagnetic survey is to be carried out so that the geochemical anomaly can be related to the conductor. Prior to diamond drilling of the conductor an IP survey over the conductor is recommended to verify possible metal content of the conductor. Finally further claims should be acquired on the north and east to provide adequate protection.

Regarding the initial primary airborne target, close examination of rocks in the vicinity of the magnetic anomaly is recommended.

In the event the reason for the strong magnetic response cannot be confirmed in this manner, then the magnetic anomaly should be further investigated by an induced polarization survey. The IP survey may be carried out in conjunction with that over the target on Mineral Claim RAM 22.

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

APPENDIX I (i)

STATEMENT OF COSTS — Geochemical Survey RAM Group

(A)	Soil Sampling (650 samples)		$ 1965.00
	Wages 65 man days @ $15	$ 975.00	
	Maintenance 65 man days @ $6 (no cook)	390.00	
	Transportation, helicopter (9 trips FARO-RAM & return) (6 hours @ $100 per hour)	600.00	
		$1965.00	
(B)	Laboratory Analysis (495 samples)		$ 821.70
	495 samples @ $1.66 =	$ 821.70	
(C)	Compilation of Report		$ 140.00
	Draughting	$ 50.00	
	Typing, clerical, printing	45.00	
	Writing	45.00	
		$ 140.00	
(D)	Supervision		$ 80.00
	R.S. Adamson 1 day @ $45	$ 45.00	
	M.O. Hampton 1 day @ $35	$ 35.00	
		$ 80.00	
			$ 3006.70

APPENDIX I (ii)

PERSONNEL

(A) SOIL SAMPLING

P. Byers	Lead Soil Sampler	Box 2470, Whitehorse, Y.T.
D. Hansen	Soil Sampler	Box 2470, Whitehorse, Y.T.
P. Ashton	Soil Sampler	Box 2470, Whitehorse, Y.T.
K. Roth	Soil Sampler	Box 2470, Whitehorse, Y.T.
G. Sprogis	Soil Sampler	Box 2470, Whitehorse, Y.T.

(B) LABORATORY ANALYSIS

J. Kirkland	Geochemist	Box 2470, Whitehorse, Y.T.
L. Olsen	Lab Assistant	Box 2470, Whitehorse, Y.T.
R. Pringle	Lab Assistant	Box 2470, Whitehorse, Y.T.
W. Rundle	Sample Preparation	Box 2470, Whitehorse, Y.T.

(C) COMPILATION OF REPORT

P. Byers	Draughtsman	Box 2470, Whitehorse, Y.T.
R.S. Adamson	Exploration Chief	Box 2470, Whitehorse, Y.T.

(D) SUPERVISION

R.S. Adamson	Exploration Chief	Box 2470, Whitehorse, Y.T.
J. Kirkland	Geochemist	Box 2470, Whitehorse, Y.T.
M.O. Hampton	Geologist	Box 2470, Whitehorse, Y.T.
P. Byers	Lead Soil Sampler	Box 2470, Whitehorse, Y.T.

APPENDIX I (iii)

A F F I D A V I T

SUPPORTING STATEMENT OF COSTS
Geochemical Survey
August 10-22, 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 RAM 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 RAM 1-28 inclusive mineral claims.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
R. S. ADAMSON

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

DATED this.....day of.....1967, in the City of Whitehorse in the Yukon Territory.

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

Yukon Quartz Mining Act

APPLICATION TO GROUP MINERAL CLAIMS

MINING DISTRICT Whitehorse, Yukon	CLAIM SHEET NO. 105K/6 and 11

OFFICE DATE STAMP

I (WE) THE UNDERSIGNED OWNER(S) OR AGENT(S) OF THE OWNER(S) OF THE FOLLOWING MINERAL CLAIMS **RAM GROUP NO 2**

	CLAIM NO.	RECORD NO.		CLAIM NO.	RECORD NO.
RAM	1	Y 8042	RAM	8	Y 8049
	2	Y 8043		9	Y 8050
	3	Y 8044		10	Y 8051
	4	Y 8045		13	Y 8054
	5	Y 8046		15	Y 8056
	6	Y 8047		17	Y 8058
	7	Y 8048		19	Y 8060

E NOTICE OF INTENTION TO GROUP THE SAID CLAIMS FOR THE PERFORMANCE OF WORK AND DO HEREBY .Y UNDER THE PROVISIONS OF SECTION 52 OF THE YUKON QUARTZ MINING ACT FOR A CERTIFICATE IN FORM "E"

I(WE) HEREBY CERTIFY THAT THE ABOVE CLAIMS ARE ADJOINING

DATED AT WHITEHORSE, Y.T.

THIS _____ DAY OF APR 5 1967 19 _____

R.S. Adamson

R.S. Adamson, Agent for Anvil

Mining Corporation Limited,

Box 2470, Whitehorse, Yukon

FOR OFFICE USE ONLY.

FORM "E" NO. _____

RECEIPT NO. _____

DATE APPLIED: _____

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT

Yukon Quartz Mining Act

APPLICATION TO GROUP MINERAL CLAIMS

MINING DISTRICT Whitehorse, Yukon	CLAIM SHEET NO. 105K/6 and 11

OFFICE DATE STAMP

I (WE) THE UNDERSIGNED OWNER(S) OR AGENT(S) OF THE OWNER(S) OF THE FOLLOWING MINERAL CLAIMS RAM GROUP NO 1

	CLAIM NO.	RECORD NO.		CLAIM NO.	RECORD NO.
RAM	11	Y 8052	RAM	22	Y 8063
	12	Y 8053		23	Y 8064
	14	Y 8055		24	Y 8065
	16	Y 8057		25	Y 8066
	18	Y 8059		26	Y 8067
	20	Y 8061		27	Y 8068
	21	Y 8062		28	Y 8069

'E NOTICE OF INTENTION TO GROUP THE SAID CLAIMS FOR THE PERFORMANCE OF WORK AND DO HEREBY APPLY UNDER THE PROVISIONS OF SECTION 52 OF THE YUKON QUARTZ MINING ACT FOR A CERTIFICATE IN FORM "E"

I(WE) HEREBY CERTIFY THAT THE ABOVE CLAIMS ARE ADJOINING

DATED AT WHITEHORSE, Y.T.

THIS _____ DAY OF APR - 5 1967 19 _____

R.S. Adamson

R.S. Adamson, Agent for Anvil Mining Corporation Limited

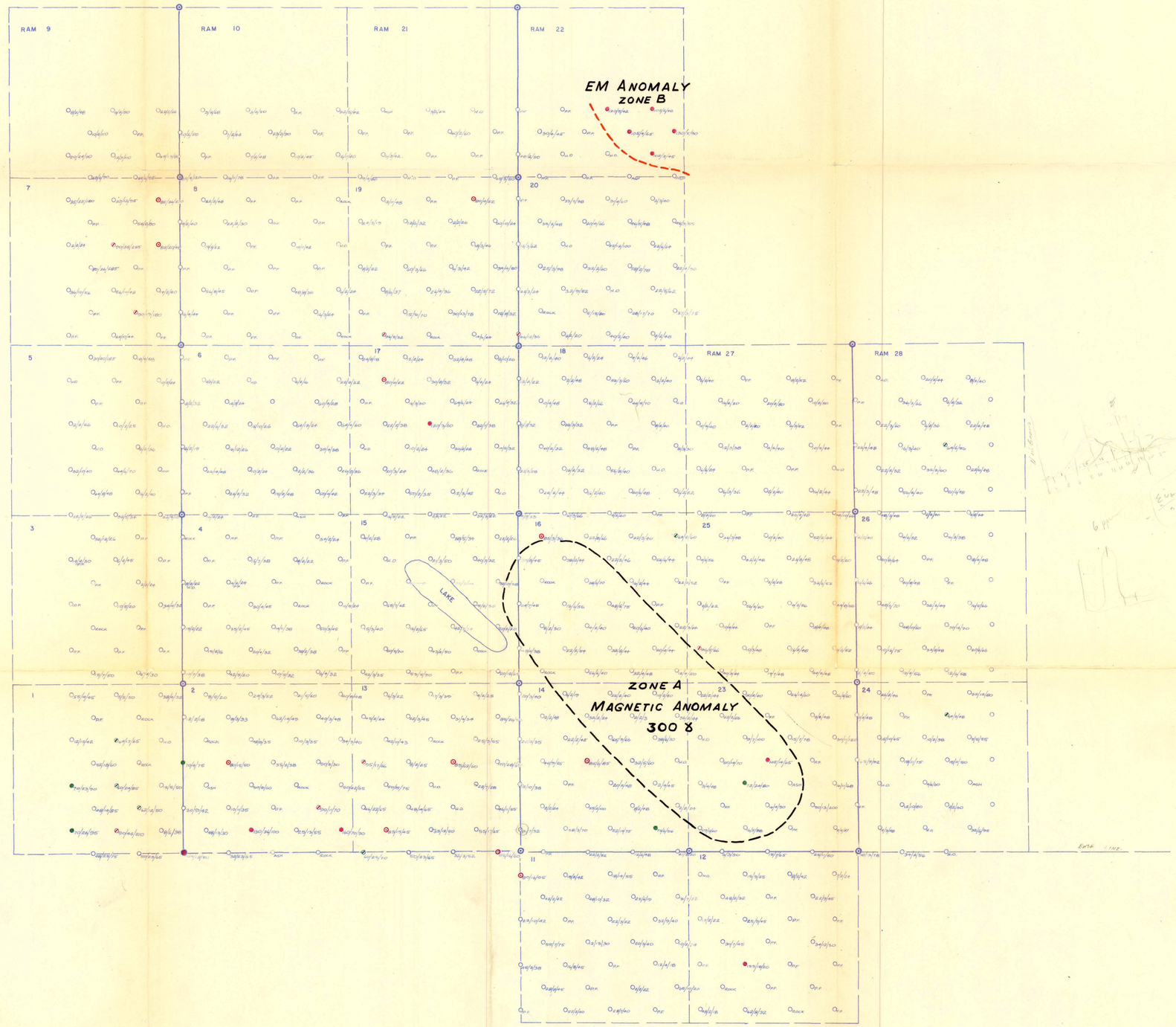
Box 2470, Whitehorse, Yukon

FOR OFFICE USE ONLY.

FORM "E" NO. _____

RECEIPT NO. _____

DATE APPLIED: _____



N

ANOMALOUS VALUES
- Copper 60-70 ppm
- Copper 70-80 ppm
- Copper 80-90 ppm
- Copper 90-100 ppm
- Copper 100+ ppm
- Zinc 200+ ppm

inches 0 1 2
centimetres 0 1 2 3 4 5

YUKON GEOLOGICAL SURVEY

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

ANVIL MINING CORP.
WHITEHORSE Y.T.
RAM GEOCHEMISTRY
SCALE : 1" = 400'
SAMPLES TAKEN — 650
SAMPLES ANALYZED — 495
SAMPLED BY: ASHTON-HANSON-SPROGIS-ROTH-BYERS
SAMPLED: AUG. 10. – 22. 1966
DRAWN BY: P.L.B. CWA — 15