CANREOS MINERALS (1980) LIMITED

REPORT
ON A PROPERTY IN
BARRIE TOWNSHIP
ONTARIO

By

J.A.McCUAIG, PhD

30 January 1981

INTRODUCTION

Canreos Minerals (1980) Limited hold a property consisting of 18 claims covering approximately 720 acres located in Barrie Township of Ontario. The claims are registered with the Ontario Department of Mines under the following numbers:

EO 543558 - EO 543565 inclusive

EO 543588 - EO 543597 inclusive

A grid of picket lines has been cut over the property at 200 foot intervals and pickets were set up at 100 chainages along the lines. A magnetic survey was carried out over the property along the picket lines with readings taken at the chainage pickets. The results of the survey have been plotted on the accompanying map which is on the scale of 1 inch equals 200 feet.

A control station was established at chainage 10 S on line 28 E and all readings were related to this station.

A Scintrex Magnetomer Model MF-1 was used in the survey with a sensitivity of 15 gammas.

GENERAL GEOLOGY

The geology of the area is shown on Map 51 D Grimsthorpe-Kennebec area published by the Ontario Department of Mines in 1942, which accompanies reports by V.B.Meen and W.D.Harding, Vol L1, Part IV.

The Canreos claim block is underlain on the south by sedimentary rocks. A belt of volcanics consisting of agglomerate and tuffs trends east-westerly across the north-central part of the property. To the north of the greenstone a large intrusive granite mass occurs and underlies the northern part of the property.

RESULTS OF MAGNETIC SURVEY

The southern part of the Canreos property is relatively flat magnetically. A series of local magnetic anomalies occur in an east-west trending belt on the northern half of the property.

A narrow east-west trending magnetic anomaly occurs just south of the base line and extends from chainage 200 south on line 20 E to the base line and line 32 E. It varies from about 6000 gammas to 54,000 gammas above normal.

This anomaly coincides closely with the contact between the sediments of the south and the volcanics of the north.

As mentioned, a belt of local magnetic anomalies occurs north of the base line and starts on line 20 E at chainage 300 north, and extends easterly across the property. It is wider north-south on lines 40 E and 44 E and continues easterly to line 60 E where it extends from 500 north to 1200 north. This zone coincides fairly well with the east-west trending belt of volcanics.

The northern quarter of the property is shown to be underlain by intrusive granite and shows less magnetic differentiation.

Two isolated magnetic lows occur on the property; one on line 48 E at chainage 1600 north and the other on line 52 E at chainage 300 north.

CONCLUSIONS

The narrow east-westerly trending magnetic anomaly that starts just south of the base line and extends from line 20 E to line 32 E is no doubt due to magnetic mineralization.

A shaft was put down on the gold bearing zone on the property that adjoins the Canreos property on the west. The shaft is located about 40 feet north of the base line on the Canreos property and just to the west of line 12 E. It would appear that the strike of the magnetic anomaly mentioned above could be either close to or on the strike of the gold-bearing zone.

It is recommended that surface stripping be undertaken in the Spring to try and uncover this anomaly and on the other significant high magnetic zones that occur on the northern central part of the property. It is also recommended that a 1000 foot diamond drilling program be undertaken to test the magnetic anomaly and the projected strike of the gold-bearing zone.

It is suggested that the first hole be drilled to the north along line 20 E at 45 degrees to the north and that it is collared at chainage 325 feet south of the base line.

The cost of the above program is estimated as follows:

1. Stripping, trenching, sampling	$ 10,000.00
2. Diamond drilling 1000 feet	$ 24,000.00
3. Engineering	$ 4,000.00
Total	$ 38,000.00

Respectfully submitted

J.A. McCuaig

30 January 1981

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TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

FEB 17 1981

MINING LANDS SECTION

Type of Survey(s) Magnetic

Township or Area Barrie

Claim Holder(s) Canreos Minerals (1980) Limited

Survey Company B.Hosick,Kirkland Lake

Author of Report J.A.McCuaig, PhD

Address of Author 1492-West 53rd Street,Vancouver BC

Covering Dates of Survey January 11-18 , 1980
(linecutting to office)

Total Miles of Line Cut 23.5

SPECIAL PROVISIONS CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.

ENTER 20 days for each additional survey using same grid.

	DAYS per claim
Geophysical	
--Electromagnetic	
--Magnetometer	40
--Radiometric	
--Other	
Geological	
Geochemical	

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer 40 Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: 3 Feb 1981 SIGNATURE: _____
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

L.D.

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
EO	543558
	543559
	543560
	543561
	543562
	543563
	543564
	543565
EO	543588
	543589
	543590
	543591
	543592
	543593
	543594
	543595
	543596
	543597

If space insufficient, attach list

TOTAL CLAIMS 18

OFFICE USE ONLY

837 (5/79)

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS - If more than one survey, specify data for each type of survey

Number of Stations 1040 Number of Readings 1040

Station interval 100' Line spacing 200'

Profile scale None

Contour interval 1000 Gammas

MAGNETIC

Instrument Scintrex Model MF-1

Accuracy -- Scale constant +/- 5 Gammas

Diurnal correction method

Base Station check-in interval (hours) Every two hours

Base Station location and value 10S on Line 28E

2080 Gammas

ELECTROMAGNETIC

Instrument

Coil configuration

Coil separation

Accuracy

Method: ☐ Fixed transmitter ☐ Shoot back ☐ In line ☐ Parallel line

Frequency
(specify V.L.F. station)

Parameters measured

GRAVITY

Instrument

Scale constant

Corrections made

Base station value and location

Elevation accuracy

INDUCED POLARIZATION RESISTIVITY

Instrument

Method ☐ Time Domain ☐ Frequency Domain

Parameters -- On time Frequency

-- Off time Range

-- Delay time

-- Integration time

Power

Electrode array

Electrode spacing

Type of electrode

2.3738

0 4E 8E 12E 16E 20E 24E 28E 32E 36E 40E 44E 48E 52E 56E 60E

CON 11

CON 10

CON 9

base line

control sta.

STEEP BLUFF

GLENCANNON RESORT

LAKE MISSISSAGAGON

N

LOT 24 LOT 23 LOT 22 LOT 21 LOT 20

LEGEND

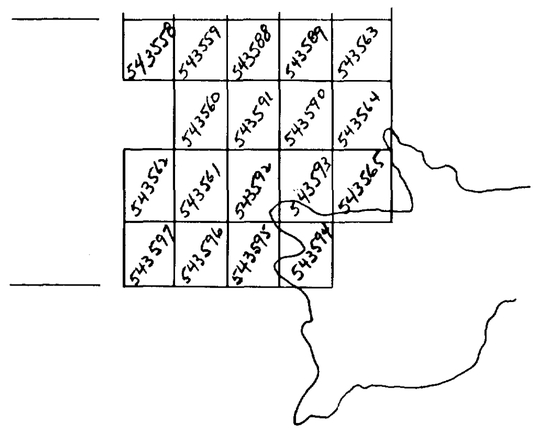
1860 READING IN GAMMAS

CONTOUR INTERVAL = 1000 GAMMAS SCALE 1"=400'

ANOMALOUS ZONES = AREAS OF OVER 5000 GAMMAS
(See description in accompanying report.)

KEY MAP

BARRIE TP. FRONTENAC COUNTY



CANREOS MINERALS (1980) LIMITED

MAGNETIC SURVEY

BARRIE TWP.

ONTARIO

SCALE 1"-40a'

I.A McCUAIG

J.A McCuaig Jan 30/81

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