



52J07NE0023 52J07NE0047C1 GREBE LAKE

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2.3662  
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JAN 15 1981

MINING LANDS SECTION

REPORT OF GEOCHEMICAL SAMPLING

KASHAWEOGAMA LAKE CLAIMS

SAVANT LAKE AREA ONTARIO

BY

RAY G. RAMSAY

JANUARY 6, 1981




52J07NE0023 52J07NE0047C1 GREBE LAKE

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INTRODUCTION

A geochemical survey has recently been undertaken on part of the iron formation occurrences of Kashawegama Lake, Patricia Mining Division, Ontario to see what definition could be had thereby as to any potential it may have for gold mineralization in conductor zones revealed in previous geophysical surveys.

DESCRIPTION OF PROPERTY

The claims covered in this report are given below. They total 3 in number, all within the Patricia Mining Division, North-western Ontario.

Claim No. PA - 295106, PA - 295109, PA - 346603

Each claim is a nominal 40 acres and is contiguous with its neighbour. The single coherent block so formed sits in unsurveyed territory adjoining the southwest corner of McCubbin Township. All the claims are registered in the names of Raymond G. Ramsay and June E. Ramsay (50% ownership each) of 10 Cook Street, Barrie, Ontario.

Access to the property is readily had overland from Ontario highway 599 which passes  $2\frac{1}{2}$  miles east of the property center 12 miles north of the Savant Lake rail station on the C.N.R. transcontinental railway. The final section from highway 599 is by gravel bush road amenable to appropriate bush vehicle transport in both summer and winter. Typical northern forest prevails throughout, spruce mainly with some pine, poplar and birch. The relief is minor but varies between outcrop and near outcrop sections and muskeg swamp.

WORK UNDERTAKEN

The grid lines established previously for the geophysical survey carried out on the claims and reported on by Excalibur International Consultants Ltd. in report dated November 12, 1975 and filed with the Ministry of Natural Resources were used. Stations were 50 to 100 feet apart according to the detail sought with locations as shown on map included with this report.

Total samples taken were 59 averaging 250 grams in weight, using a standard prospector's grub hoe, and from a depth averaging 6" - 8".

All field work was carried out by Mr. R. G. Ramsay and Mr. Michael Ramsay both of 10 Cook Street, Barrie, Ontario between June 26 and 28, 1980.

Geochemical analysis was carried out by Barringer Magenta Limited, 304 Carlingview Drive, Rexdale, Ontario for gold and arsenic. Mesh size of fraction used for analysis was - 80 mesh. Values were expressed for As. in P.P.M. and Au. in P.P.B.

59 samples were tested for Au. and 14 samples were tested for As.

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## DISCUSSION OF RESULTS

In view of the fact that gold occurs in some of the iron formations in the Savant Lake iron range, it was considered to be prudent to do a program of soil sampling and geochemical analysis as a first step in assessing any merit the iron formation that is known to exist on this property may have for gold. The target areas were three conductor zones that had been picked up in previous geophysical survey, which are located at stations 9 south line 3 east, 9 north line 0 and at 1 south line 9 + 50 west.

56 of the samples analysed gave value of 5 to 10 P.P.B. Au. 2 samples R-3 and R-4 taken in the area of the conductor zone, on line 3 east 9 south gave value of 15 P.P.B. are deemed not significant. One sample R-46 taken at station 14 north line 0 gave value of 160 P.P.B. AU. is the only sample taken to give interesting values.

10 of the 14 arsenic analysis gave values less than 2 P.P.M. Samples R-3 and R-4 again gave a slight rise in values 9 P.P.M. As. each, but are too low in value to be of significance, as does 14 - P.P.M. - As. in sample R-7.

CONCLUSIONS AND RECOMMENDATIONS

Since in this type of geochemical exploration a value of 50 P.P.B. AU. is considered to be significant, then the area of station 14 north line 0 giving values of 160 P.P.B. is recommended as a prime target area for more detail sampling.

Station 9 south line 3 east, while giving insignificant values, did give a very slight rise in values 15 P.P.M. - AU. in the area of a good conductor and geologically located at the inferred contact of a diorite intrusive and the iron formation and may be a hint at an area of interest if samples were to be taken at a greater depth in the preglacial till horizon.

In summary, the sampling program has identified one area of potential interest and a hint at a possible second area of interest. Further sampling is recommended using a 50 foot grid and 25 foot station spacing in the area of station 14 north line 0. In the area of station 9 south line 3 this being a swampy area an attempt should be made to obtain some samples in the pre-glacial till horizon immediately atop the bedrock formation.

Estimated cost of the program would be in the order of \$1,500.00

*Raymond G. Ramsay*

Raymond G. Ramsay







# BARRINGER MAGENTA LIMITED

R. Ramsey  
10 Cook Street  
Barrie, Ontario  
L4M 4E9

## Laboratory Report

304 CARLINGVIEW DRIVE  
METROPOLITAN TORONTO  
REXDALE ONTARIO  
CANADA M9W 5G2  
PHONE 416 875 3870  
TELEX DE 989183

DATE August 13, 1980

REPORT NUMBER 80-453/G-236

SAMPLE NUMBER	% loss After Ashing	Au ppb	As ppm		Sample Number	% loss After Ashing	Au ppb	As ppm		
R-1	88.1	< 5	6		R-21	35.9	< 10	-		
2	87.6	< 5	-		22	40.6	< 10	-		
3	91.8	< 15	9		23	33.9	< 10	-		
4	91.4	< 15	9		24	39.3	< 10	-		
5	89.1	< 5	-		25	40.8	< 10	-		
6	92.4	< 15	-		26	36.0	< 10	-		
7	41.4	< 10	14		27	37.5	< 10	-		
8	4.3	< 10	< 2		28	38.9	< 10	-		
9	6.1	< 10	< 2		29	38.0	< 10	-		
10	4.2	< 10	< 2		30	33.9	< 10	-		
11	3.5	< 10	< 2		31	35.3	< 10	-		
12	2.3	< 10	< 2		32	47.1	< 10	-		
13	2.8	< 10	< 2		33	34.5	< 10	-		
14	2.9	< 10	< 2		34	45.0	< 10	-		
15	10.2	< 10	2		35	37.9	< 10	-		
16	73.8	< 5	< 2		36	34.8	< 10	-		
17	6.4	< 10	-		37	4.6	< 10	-		
18	4.9	< 10	-		38	79.1	< 5	-		
19	10.0	< 10	< 2		39	84.9	< 5	-		
20	45.3	< 10	< 2		40	84.8	< 5	-		





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900

File \_\_\_\_\_

GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL  
TECHNICAL DATA STATEMENT

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.

Type of Survey GEOCHEMICAL  
Township or Area GREBE LAKE LAKE CUBBIN TWP  
Claim holder(s) R.G. RAMSAY AND JUNE E. RAMSAY  
Author of Report ROY RAMSAY  
Address 10 COOK ST BARRIE ONT L4A 4E9  
Covering Dates of Survey JUNE 26/81 to JAN 6/81  
(linecutting to office)  
Total Miles of Line cut \_\_\_\_\_

MINING CLAIMS TRAVERSED  
List numerically

(prefix) (number)

PA. 245106

PA. 245107

PA. 346603

SPECIAL PROVISIONS  
CREDITS REQUESTED

DAYS  
per claim

Geophysical \_\_\_\_\_  
- Electromagnetic \_\_\_\_\_  
- Magnetometer \_\_\_\_\_  
- Radiometric \_\_\_\_\_  
- Other \_\_\_\_\_  
Geological \_\_\_\_\_  
Geochemical \_\_\_\_\_

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

ENTER 20 days for each  
additional survey using  
same grid.

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

Magnetometer \_\_\_\_\_ Electromagnetic \_\_\_\_\_ Radiometric \_\_\_\_\_  
(enter days per claim)

DATE: JAN 6/81 SIGNATURE: Roy Ramsay  
Author of Report

PROJECTS SECTION

ON THIS FILE

Res. Geol. \_\_\_\_\_ Qualifications X

Previous Surveys \_\_\_\_\_ X 2.3662

Checked by \_\_\_\_\_ date \_\_\_\_\_

GEOLOGICAL BRANCH \_\_\_\_\_

Approved by \_\_\_\_\_ date \_\_\_\_\_

GEOLOGICAL BRANCH \_\_\_\_\_

Approved by LD \_\_\_\_\_ date \_\_\_\_\_

TOTAL CLAIMS 3

If space insufficient, attach list

OFFICE USE ONLY

GEOCHEMICAL SURVEY - PROCEDURE RECORD

Numbers of claims from which samples taken SP 295166 - 295169 - 346663

Total Number of Samples 59

Type of Sample SOIL - ORGANIC  
(Nature of Material)

Average Sample Weight 2.50 GRAM

Method of Collection GRUB HOE

Soil Horizon Sampled A-13

Horizon Development MODERATE

Sample Depth 6" - 30"

Terrain LOW RELIEF

Drainage Development FAIR - POOR

Estimated Range of Overburden Thickness 2' - 30'

SAMPLE PREPARATION

(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis \_\_\_\_\_

MINUS 20 MESH FRACTION

General CONVENTIONAL METHOD

USED

ANALYTICAL METHODS

Values expressed in: per cent   
p. p. m.   
p. p. b.

Cu, Pb, Zn, Ni, Co, Ag, Mo,  (circle)

Others 174

Field Analysis (\_\_\_\_\_ tests)

Extraction Method \_\_\_\_\_

Analytical Method \_\_\_\_\_

Reagents Used \_\_\_\_\_

Field Laboratory Analysis

No. (\_\_\_\_\_ tests)

Extraction Method \_\_\_\_\_

Analytical Method \_\_\_\_\_

Reagents Used \_\_\_\_\_

Commercial Laboratory (59 tests)

Name of Laboratory BARRINGER MAGENTA

Extraction Method (24) HNO<sub>3</sub> / HA (AS) FUSION

Analytical Method AU-SOL EX - A - AS  
COLONIMETRIC

Reagents Used HNO<sub>3</sub> / HA (24) POTASSIUM  
PYROSULPHATE

General AU, HCl, HNO<sub>3</sub> / HAc, digestion

SOLVENT EXTRACTION - ATOMIC

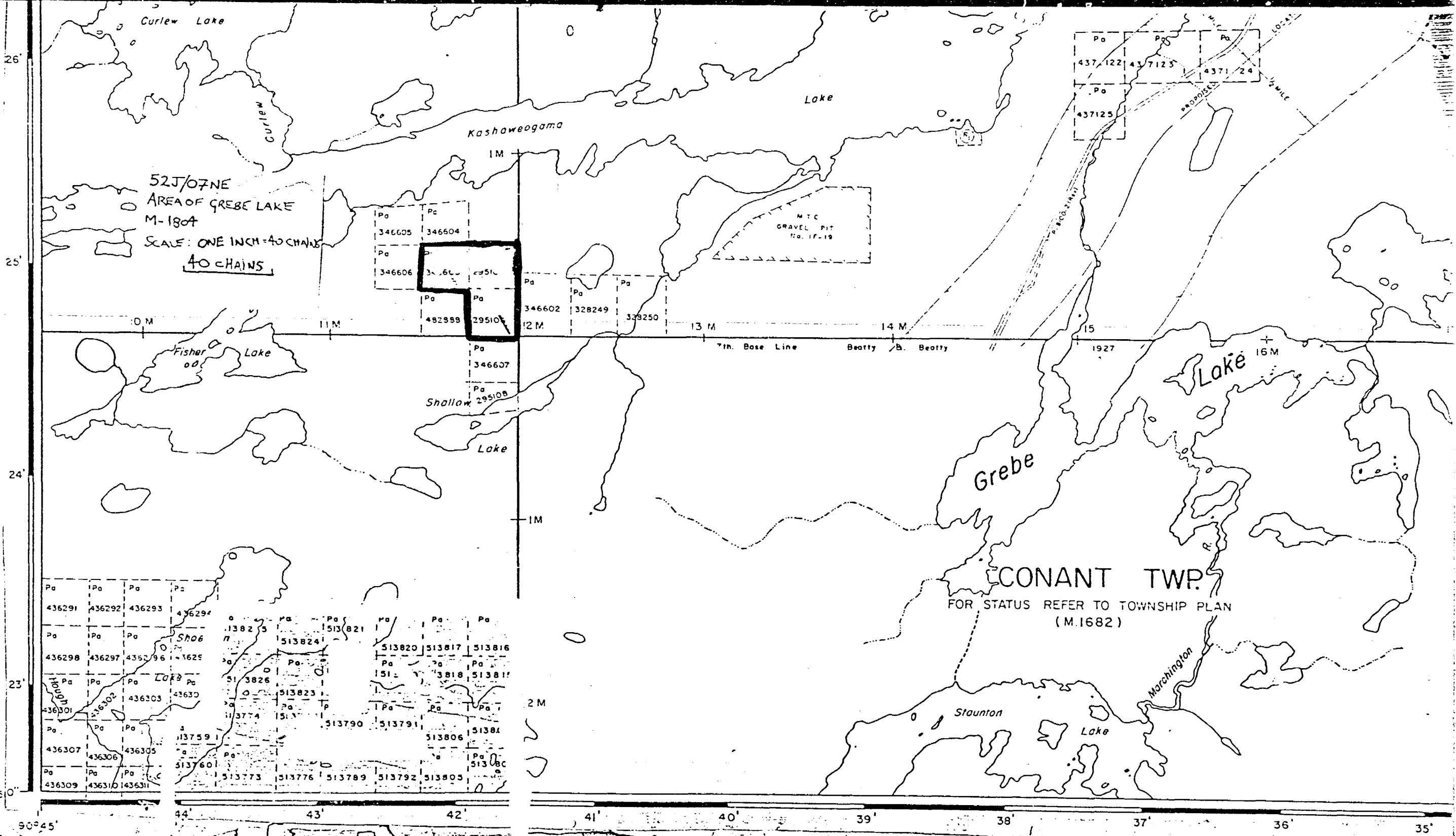
ABSORPTION SPECTROPHOTOMETRY

AS POTASSIUM PYROSULPHATE FUSION

- LEACH WITH HAc. COLONIMETRIC

DETERMINATION

Armit Lake



52J/07NE  
 AREA OF GREBE LAKE  
 M-1804  
 SCALE: ONE INCH = 40 CHAINS  
 40 CHAINS

Pa 346605	Pc 346604	Pa 346606	Pa 346602	Pa 328249	Pa 329250
Pa 482998	Pa 295107	Pa 346607	Pa 295108		

Pa 437122	Pa 437123	Pa 437124
Pa 437125		

Pa 436291	Pa 436292	Pa 436293	Pa 436294	Pa 513825	Pa 513821	Pa 513820	Pa 513817	Pa 513816
Pa 436298	Pa 436297	Pa 436296	Pa 436295	Pa 513824	Pa 513823	Pa 513818	Pa 513817	Pa 513816
Pa 436301	Pa 436302	Pa 436303	Pa 436304	Pa 513774	Pa 513790	Pa 513791	Pa 513806	Pa 513805
Pa 436307	Pa 436306	Pa 436305	Pa 436304	Pa 513759	Pa 513773	Pa 513776	Pa 513789	Pa 513792
Pa 436309	Pa 436310	Pa 436311	Pa 436312	Pa 513773	Pa 513776	Pa 513789	Pa 513792	Pa 513805

CONANT TWP.  
 FOR STATUS REFER TO TOWNSHIP PLAN  
 (M.1682)

Evans Lake M-1774

EB



Ontario

Ministry of Natural Resources

Technical Assessment Work Credits

File 2.3662

Recorded Holder Raymond G. Ramsay

Township or Area Grebe Lake & McCubbin Township M-1804

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic _____ days	Pa 295106
Magnetometer _____ days	Pa 295109
Radiometric _____ days	Pa 346603
Induced polarization _____ days	
Section 86 (18) _____ days	
Geological _____ days	
Geochemical <u>14</u> days	
Man days <input checked="" type="checkbox"/> Airborne <input type="checkbox"/>	
Special provision <input type="checkbox"/> Ground <input checked="" type="checkbox"/>	
<input type="checkbox"/> Credits have been reduced because of partial coverage of claims.	
<input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	

Special credits under section 86 (15a) for the following mining claims

No credits have been allowed for the following mining claims

- not sufficiently covered by the survey
- Insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 86(18)-60:



Ministry of  
Natural  
Resources

Notification of recording  
of assessment work credits

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DEC 10 1980

MINING LANDS SECTION

Supervisor, Projects Unit  
Mining Lands Section  
Ministry of Natural Resources  
Room 1617, Whitney Block  
Queen's Park, Toronto  
M7A 1W3

Date of recording of work: November 21, 1980

Recorded holder: Raymond G. Ramsay

Address: 10 Cook Street Barrie, Ontario L4M 4E9

Township or Area: Grebe Lake & McCubbin Township M-1804

Type of survey and number of Assessment days credit per claim	Mining claims
Geophysical	
Electromagnetic _____ days	
Magnetometer _____ days	
Radiometric _____ days	
Induced polarization _____ days	
Section 86 (18) _____ days	
Geological _____ days	
Geochemical <u>14</u> days	Pa. 295106; 295109; 346603
Man days <input type="checkbox"/>	Airborne <input type="checkbox"/>
Special provision <input type="checkbox"/>	Ground <input checked="" type="checkbox"/>

Notice to recorded holder:

Survey reports and maps in duplicate must be submitted to the Projects Unit, Toronto within 60 days from the date of recording of this work.

Reports and maps are being forwarded to the Projects Unit with this letter.

Mining recorder

c.c.

#80-66





Ministry of  
Natural  
Resources

Ontario

Your file:

Our file: 2.3662

1981 04 30

Albert Hanson  
Mining Recorder  
Ministry of Natural Resources  
P.O. Box 669  
Sioux Lookout, Ontario  
POV 2T0

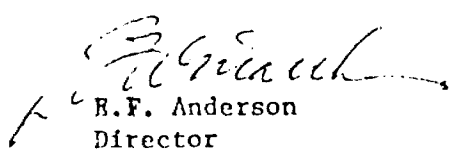
Dear Sir:

Re: Geochemical Survey on Mining Claim  
PA 295106 et al in the Townships of  
Grebe Lake and McCubbin

The Geochemical Survey assessment work credits as shown on the attached statement have been approved as of the above date.

Please inform the recorded holder of these mining claims and so indicate on your records.

Yours very truly,

  
B.F. Anderson  
Director  
Land Management Branch

Whitney Block, Room 6450  
Queen's Park  
Toronto, Ontario  
M7A 1W3  
Telephone: 416/965-1316

/rmb

Encl.

cc: Raymond G. Ramsay  
Barrie, Ontario

cc: Resident Geologist ✓  
Sioux Lookout

