



52C16SW8255 2.8241 BENNETT LAKE


010

JUN 27 1985

MINING LANDS SECTION

REPORT ON  
MAGNETIC SURVEY  
K580422 and K580423  
(ALICE A PROPERTY)

prepared by:

  
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P. O. Box 117  
Wabigoon, Ont.  
POV 2W0

June 15, 1985

## INTRODUCTION

A magnetic survey was conducted over the Alice A property primarily to determine if a distinctive magnetic signature accompanied the mineralization.

## LOCATION AND ACCESS

The property consists of mining claims K580422 and K580423. They are located 8 miles east of Mine Centre and one mile north of Hwy. 11. Access is via an abandoned logging road which leaves the Manion Lake road about  $\frac{1}{2}$  mile north of the C.N.R. track west of Glenorchy siding.

## PREVIOUS WORK

The property was actively explored for gold during the 1890's. Since then only minor activity has been reported from the property.

J. W. Redden acquired the property in 1981. To date 2000 feet of trenching, sampling and a report on the property have been completed. These data are available in the assessment files of the Resident Geologist's Office in Kenora.

## GENERAL GEOLOGY

Rock types underlying the claims are all volcanic in origin. The predominant rock type is a siliceous aphanitic felsic volcanic. Lesser amounts of somewhat more mafic composition occur as discontinuous lenses and horizons within the

felsic pile.

No structural information has been observed on the claims.

Mineralization consists of quartz veins containing pyrite, chalcopyrite, sphalerite, galena and gold. The main mineralized zone is extensively drag folded. Gold is spacially related to the sulphides.

#### MAG SURVEY PROCEDURE

Readings were taken every two meters north along line O + 00E for 100 meters to cover the mineralized area (O + 25N to O + 45N). All other readings were at 5 meter intervals. Lines were spaced at 400' (122 meter) intervals to coincide with previous surveys on the property.

The instrument used was a Scintrex model MP-2 proton precession magnetometer in the back-pack mode. This mode produces a precision better than 5 %.

Magnetic drift during the survey was negligible and corrections were not necessary. The survey was drafted at a scale of 1:1000.

#### INTERPRETATION AND CONCLUSIONS

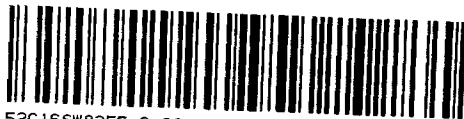
No distinctive magnetic signature is apparent across the mineralized zone.

The overall magnetic pattern indicates an east-west trend to the rocks. The higher values in the past have been attributed to intermediate volcanics. No reason to change this

interpretation was found during the present survey.

#### RECOMMENDATIONS

Additional detailed magnetic surveys to fill in between the present lines are warranted to better define the geometry of the more magnetic bands. Better definition of these bands will indicate whether geological structure can be identified to be associated with the mineralization.



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Mining Lands Section  
Control Sheet

File No 2.8241

TYPE OF SURVEY	<input checked="" type="checkbox"/>	GEOPHYSICAL
	<input type="checkbox"/>	GEOLOGICAL
	<input type="checkbox"/>	GEOCHEMICAL
	<input type="checkbox"/>	EXPENDITURE

MINING LANDS COMMENTS:

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*lgd*

LD

*Dorey*

Signature of Assessor

9/7/85

Date



RP 28241 The Mining Act

Instructions: - Please type or print. - If number of mining claims traversed exceeds space on this form, attach a list. Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns. - Do not use shaded areas below.

#129-85

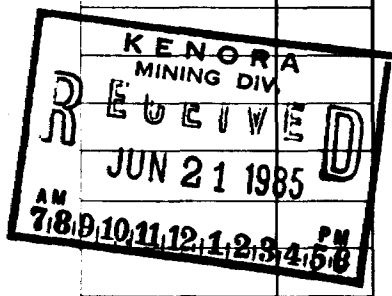
Form header with fields: Type of Survey(s) GROUND MAGNETIC, Township or Area BENNETT LAKE G.2667, Claim Holder(s) J.W. REDDEN, Prospector's Licence No. E23950, Address Box 117 WABISOON ONT. P0V 2W0, Survey Company J.W. REDDEN, Date of Survey (from & to) 25 05 85 10 06 85, Total Miles of line Cut 1.5, Name and Address of Author (of Geo-Technical report) J.W. REDDEN

Credits Requested per Each Claim in Columns at right

Mining Claims Traversed (List in numerical sequence)

Table with 3 columns: Special Provisions, Geophysical, Days per Claim. Rows include: For first survey: Enter 40 days (This includes line cutting) - Electromagnetic, Magnetometer (40); For each additional survey: using the same grid: Enter 20 days (for each) - Radiometric, Other; Man Days; Airborne Credits

Table with 4 columns: Mining Claim Prefix, Mining Claim Number, Expend. Days Cr., Mining Claim Prefix, Mining Claim Number, Expend. Days Cr. Contains handwritten entries: K 580422, 580423 and a RECEIVED stamp dated JUN 21 1985 MINING LANDS SECTION.



Form section: Expenditures (excludes power stripping), Type of Work Performed, Performed on Claim(s), Calculation of Expenditure Days Credits (Total Expenditures \$ / 15 = Total Days Credits), Instructions: Total Days Credits may be apportioned at the claim holder's choice.

580422 Total number of mining claims covered by this report of work. 2

Form section: Date June 10/85, Recorded Holder or Agent Signature [Signature]

Form section: For Office Use Only, Total Days Cr. Recorded 80, Date Recorded June 21/85, Mining Recorder [Signature], Date Approved at [Signature]

Certification Verifying Report of Work. I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true. Name and Postal Address of Person Certifying J.W. Redden, Box 117 Wabisoan Ont P0V2W0, Date Certified June 10/85, Certified by [Signature]



GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 495 Number of Readings 515
Station interval 2 x 5 m Line spacing 122 m (400')
Profile scale N/A
Contour interval 100 ft up to 6000 ft

MAGNETIC

Instrument SCINTREX MP-2
Accuracy - Scale constant +/- 1 ft
Diurnal correction method NONE USED
Base Station check-in interval (hours) 1 hr
Base Station location and value Line 0+00E 0+36m N 59866 ft

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



G-2667

G-2667

MANION LAKE AREA - G-2686



LITTLE TURTLE LAKE AREA - G-2682

Effective as from Oct. 25/84

HEPBURN LAKE AREA - G-2675

BENNETT TWP.

FOR STATE REFERENCE TO TWP. PLAN

Indian Reserve No. 23

WILD POTATO LAKE AREA - G-2703

LEGEND

HIGHWAY AND ROUTE NO.	
OTHER ROADS	
TRAILS	
SURVEYED LINES	
TOWNSHIP BOUNDARIES	
LOTS, MINING CLAIMS, PARCELS, ETC.	
UNSURVEYED LINES	
LOT LINES	
PARCEL BOUNDARY	
MINING CLAIMS ETC.	
RAILWAY AND RIGHT OF WAY	
UTILITY LINES	
NON PERENNIAL STREAM	
FLOODING OR FLOODING RIGHTS	
SUBDIVISION OR COMPARTMENT PLAN	
RESERVATION	
ORIGINAL HOME LINE	
MARSH OR MARSH	
MINES	
TRAVERSE MINIMUM	

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT SURFACE & MINING RIGHTS	
SURFACE RIGHTS ONLY	
MINING RIGHTS ONLY	
LEASE SURFACE & MINING RIGHTS	
SURFACE RIGHTS ONLY	
MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER IN COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	

NOTE: MINING RIGHTS IN PARCELS PATENTED BY THE CROWN ARE NOT SUBJECT TO SURFACE RIGHTS BY THE PUBLIC LANDS ACT WHICH PROVIDES THAT THE PUBLIC LANDS ACT DOES NOT APPLY TO SUCH PARCELS.

REFERENCES

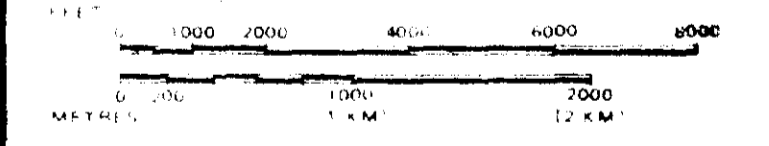
AREAS WITHDRAWN FROM DISPOSITION

M.R.G. - MINING RIGHTS ONLY  
 S.R.G. - SURFACE RIGHTS ONLY  
 M.S. - MINING RIGHTS ONLY

Description	Date No.	Dist.	Division	File

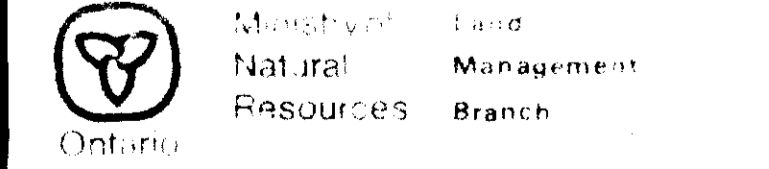
Stamp: KENORA MINING DIV. SAND AND GRAVEL MAY 27 1985

SCALE 1 INCH = 40 CHAINS



BENNETT LAKE

M.N.R. ADMINISTRATIVE DISTRICT  
 FORT FRANCES  
 MINING DIVISION  
 KENORA  
 LAND FILES / REGISTRY DIVISION  
 RAINY RIVER

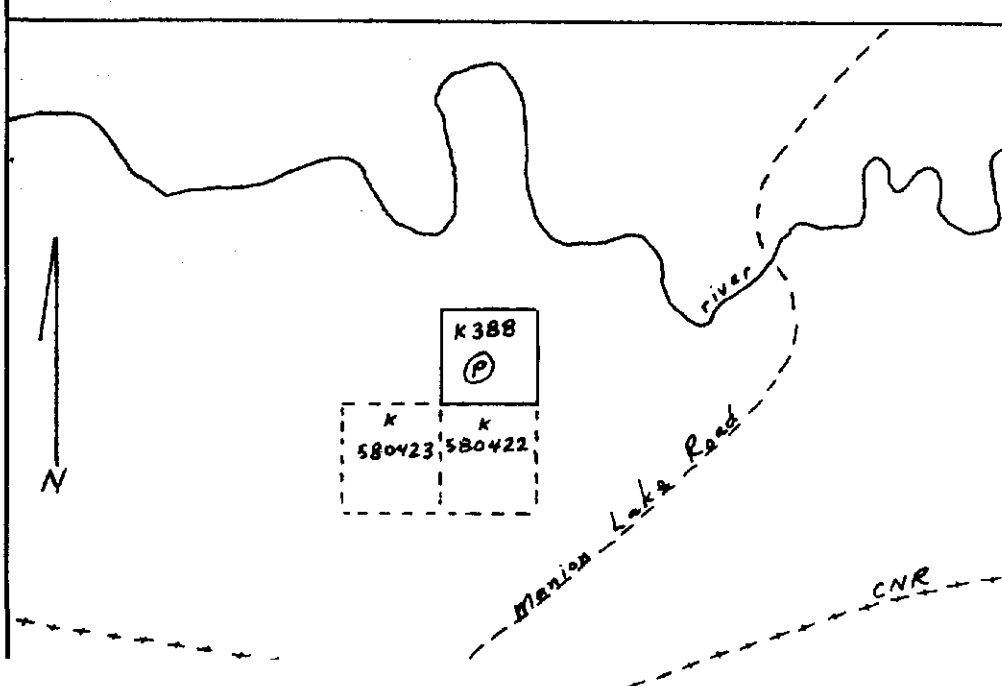
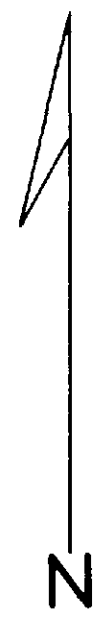


FEBRUARY, 1984  
 M-2392 G-2667

G-2667

G-2667





Location Map  
2" = 1 mi

**ALICE A PROPERTY**  
(J.W. Redden Property)  
Magnetic Survey  
scale 1:1000  
Value on plan x 10 = total field - 59000 g

2.8241  
*Autecan*  
MRP 85-03  
to accompany report by:  
J.W. Redden, B.Sc. June 88



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