



2.13672

MAGNETIC AND VLF-EM
SURVEY OF
MINING CLAIMS
K 1133302, K 1133303

DISTRICT OF KENORA

MINING LANDS SECTION

Alex Glatz
October, 1990



52F10NW0057 2.13672 CONTACT BAY (WABIG00

010C

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INTRODUCTION

Mining claims K 1133302 and K 1133303 are underlain by Early Precambrian metavolcanics and a gabbro or diorite complex. Cu-Ni mineralization has been found in the basic intrusive rocks around Nabish Lake in the 1960's. The two claims were staked on a Cu-Ni showing at the contact of volcanic rocks and ultrabasic intrusives.

In October of 1990 a magnetometer and VLF-EM survey was carried out in an attempt to outline possible N-S oriented anomalous structures which may have been missed by former surveys which concentrated in finding E-W trending zones. The results of this work is presented in this report.

LOCATION AND ACCESS

The property is located one mile west of Nabish Lake close to an old logging road originating from the Fort Frances Highway. Distance from Dryden is 24 km to a washout three kilometers east of the claims. An ATV can be used to reach the claims.

Dryden, a regional centre in north western Ontario is situated on the transcontinental CPR and the Trans Canada Highway. The community is served by daily airtservice from Thunder Bay and Winnipeg.

PROPERTY

The property consists of two unpatented mining claims, these were recorded in April of 1990 and are presently in good standing.

The claims are held on a fifty - fifty partnership between Mr. Alex Kozowy of Dryden, Ontario and the author of this report Alex Glatz of Dryden, Ontario.

REGIONAL GEOLOGY

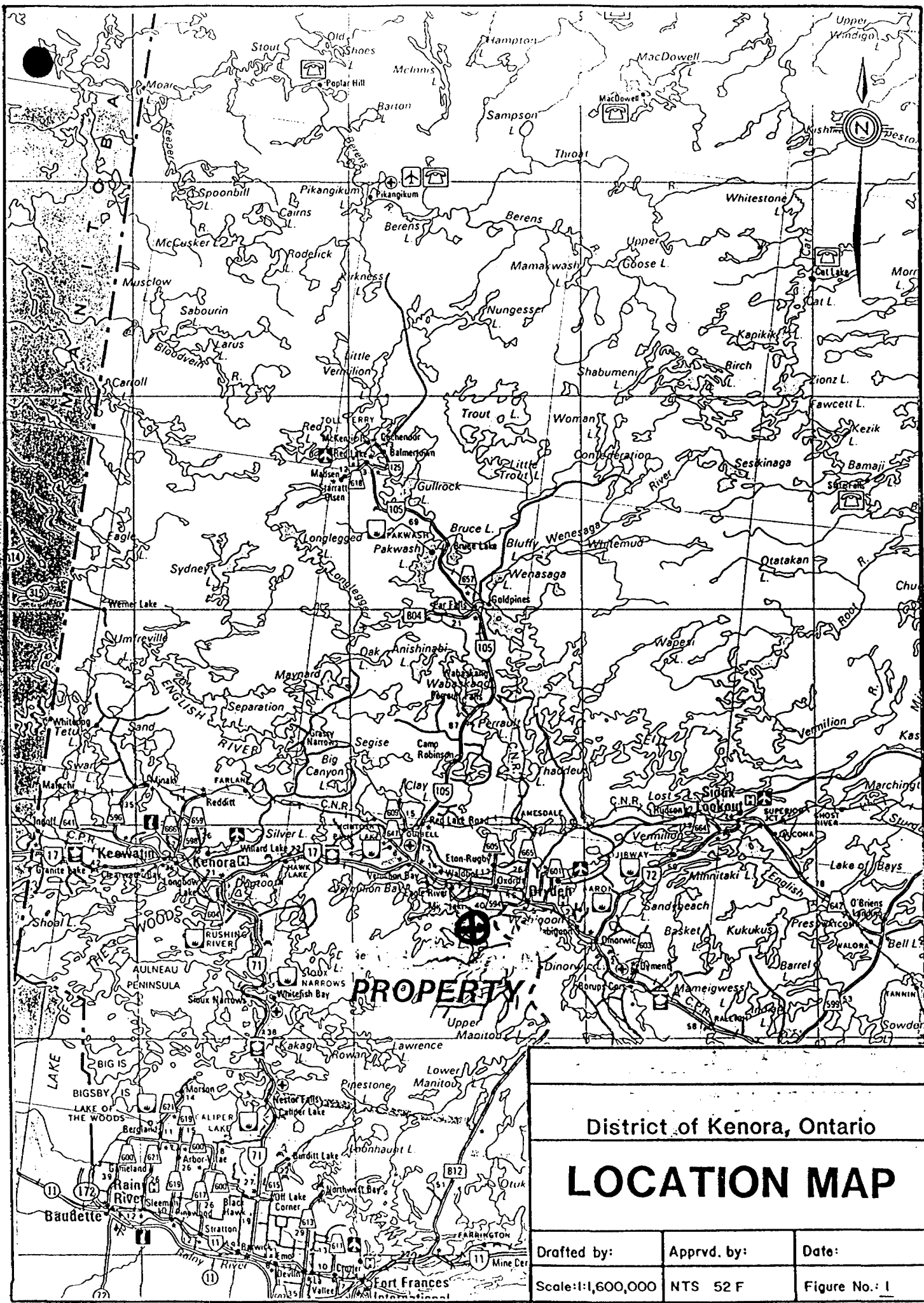
The Wabigoon - Eagle Lake area is underlain by a northward facing sequence of Archean metavolcanic rocks. The Wabigoon Fault system separates the metavolcanic rocks from the meta-sedimentary gneissic rocks of the English River Sub province to the north, while to the south the metavolcanics are intruded by the felsic rocks of the Atikwa batholith.

EXPIORATION HISTORY

This property was discovered by Alex Kozowy of Dryden in 1967 and optioned to Hollinger Mines Ltd. who explored showings within the magnetic rocks of the intrusive complex.

In 1971 Lynx - Canada Ltd. optioned claims in this area from Alex Kozowy and Alex Glatz of Dryden but were unable to complete their drilling programme.

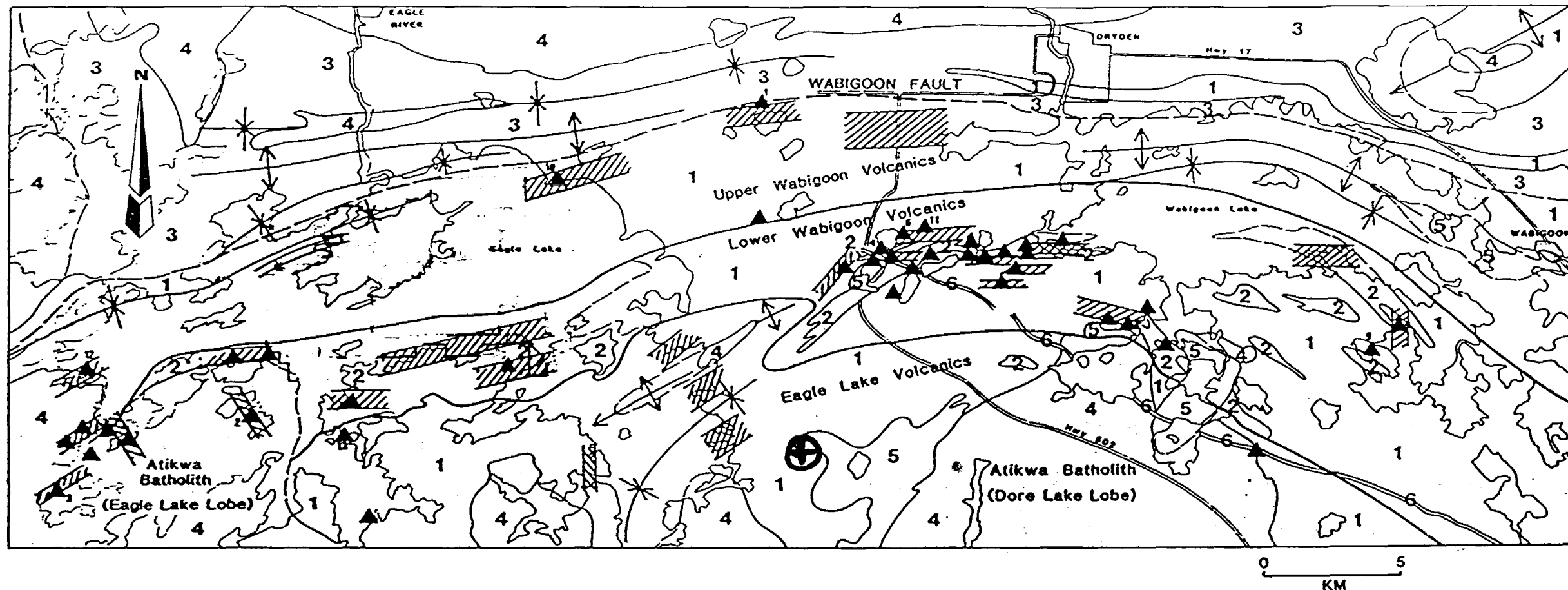
Subsequent investigations by Alex Kozowy disclosed a narrow N-S trending zone of higher grade copper mineralization about 600 feet long. It is the copper potential of this zone that is being investigated by the present work.





District of Kenora, Ontario

LOCATION MAP

Drafted by:	Aprvd. by:	Date:
Scale: 1:1,600,000	NTS 52 F	Figure No.: 1



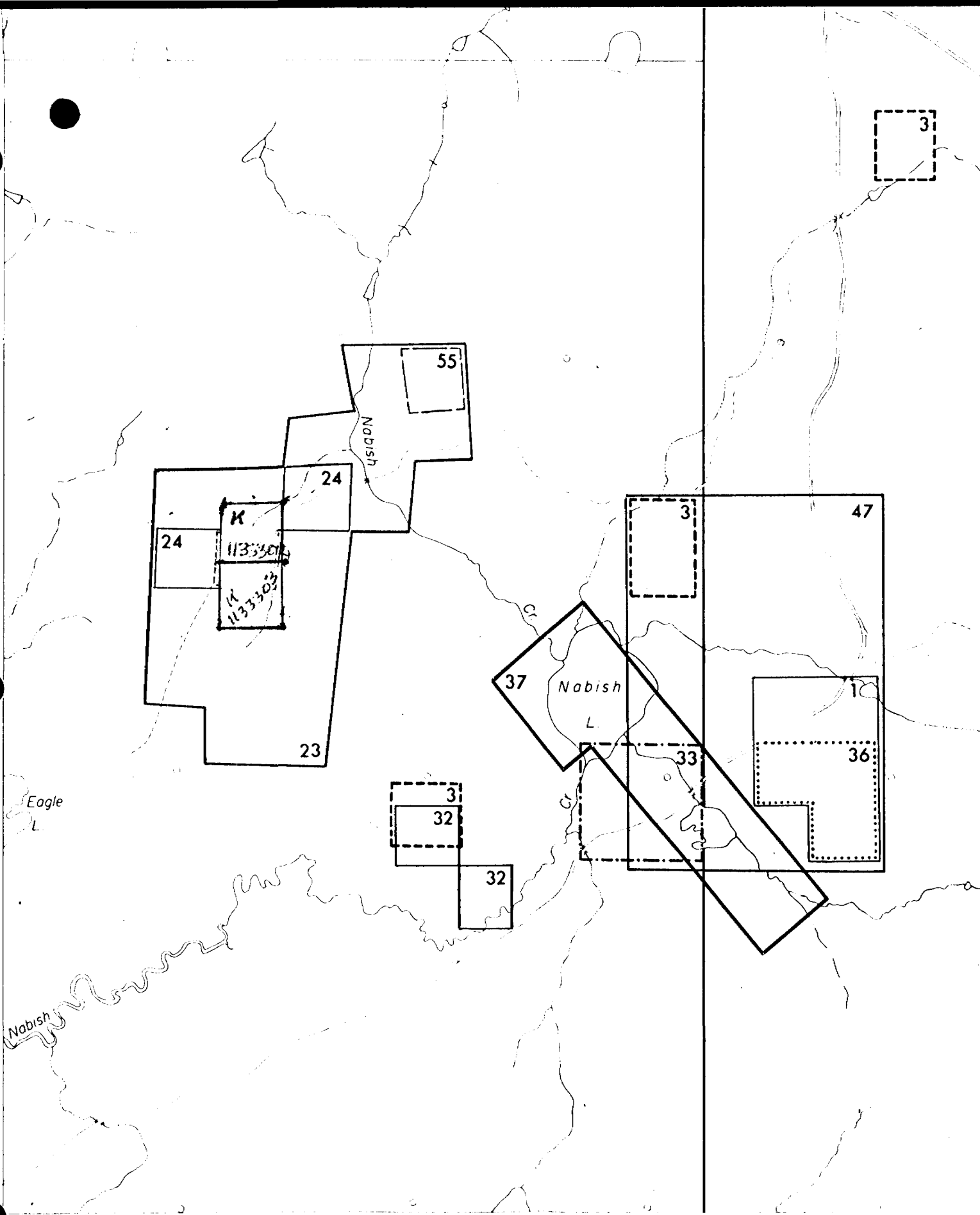
- 1 Mafic Volcanics
- 2 Felsic to Intermediate Volcanics
- 3 Metasedimentary Rocks
- 4 Granitic Rocks
- 5 Gabbro/Diorite
- 6 Diabase

-  Shear Zones
-  Gold Occurrences, Prospects and Past Producing Mines

District of Kenora, Ontario
REGIONAL GEOLOGY
EAGLE-WABIGOON BELT

Drawn	Apprvd.	Date
Scale: as shown	NTS. 52 F	FIG. 3

(after Parker and Blackburn, OGS)



PROPERTY GEOPHYSICS

A N-S baseline, one half mile in length was cut through the centre of the claims, across the Cu showing on the southerly claim. Eight crosslines were cut E-W to the claimlines. Stations were established at 100 foot intervals.

Ground magnetometer and VLF-EM surveys were conducted on October 11, and October 14, 1990.

The VLF-EM readings were taken facing east with a Geonics EM-16 unit using the Anapolis NSS Maryland transmitter station. This station, while not ideal gave the best coupling for an E-W survey line. In this area there is no signal available at right angle to an E-W line.

The results were plotted as raw profile data on one map and as filtered contours on a second map.

While four separate conductors are obvious on the profile data map, the information on the (Fraser) filtered map may prove to be more useful as it enhances suppressed or secondary conductive zones not visible on the profile map. The filtering technique used may be flawed due to the inexperience of the author but the results should be valid. The conductive zone connecting conductor A and conductor C is of special interest as it coincides with a stringer of Cu showings and with the favourable pattern of the magnetic values.

Conductor 'A' is centered on a magnetic depression on a stripped and exposed showing of chalcopyrite.

Conductor 'C' is on line with with the main zones and the filtered contours suggest a continuous structure parallel to the baseline.

Conductor 'B' and 'D' can not be correlated to known mineralization or magnetic patterns and could represent faults or shearzones, judging from the behaviour of the quadrature profiles.

The magnetic readings were taken with a Scintrex MP-2 Proton precession magnetometer on October 11, 1990. The magnetic values were not corrected for diurnal variations as only minor changes were found when checked after four hours. The values were plotted on the map at 100 gamma contours except for line 7S at the baseline where the values changed so radically to make contouring impractical.

There is a distinct break in magnetic values where line 7S crosses the copper showing at the baseline. A magnetic depression coincides with a cleared area where copper mineralization is exposed in volcanics. At the SW part of this clearing there is a narrow exposure of nickel mineralization in a mag high in basic intrusives. Further north there are more mag lows adjacent to mag highs. While the variations

in values are not as pronounced as on line 7S it does provide a pattern along which ore minerals may occur. Especially as it coincides with the VIF conductor.

CONCLUSIONS AND RECOMMENDATIONS

The geophysical data indicates that a mineralized zone may exist along the contact between volcanics ^{and} the basic intrusive rocks in a N-S direction.

One line 7S between 00 and 1W fill-in readings have located the contact of the copper bearing volcanics with the mineralized gabbro as an abrupt change in magnetic values. Within 10 feet readings change from 63,000 to a depression of under 56,000 gammas over the volcanics. Also, conductor 'A' is right on the exposed copper showing, coinciding with the magnetic depression.

In light of the geophysical results work should concentrate on the copper showing under conductor 'A' first and then proceed to the north along other known copper occurrences.

The following is suggested:

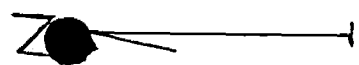
- 1) Blasting down to four or five feet to expose fresh and possibly richer mineralization for systematic sampling over minable widths.
- 2) Careful prospecting parallel to the baseline along the north trending VIF and magnetic anomalies and also check all rock exposures in the areas of conductors (B) and (D).
- 3) Backhoe or bulldozer stripping to enlarge known surface showings and expose new ones where indications are favourable.
- 4) Soil sampling over conductors (B) and (D).

Qualification of author

I, Alexander Glatz, have been prospecting since 1964 in Ontario and have used dip needles, magnetometers, scintillometers and EM equipment especially Ronka 16 instruments. On my own accord, I have successfully used a number of magnetic measuring devices to find a new nickel showing in the Stanawan Bay area and located an extension of a nickel occurrence at Pincher lake in 1969.

Having worked with Ross Kidd; a well known mining engineer and geophysicist from 1965-79 on some of my properties, I became familiar with electromagnetic surveys using a Ronka 16 instrument. Having carefully studied the Ronka 16 manual from Geonics Ltd., I feel that I am technically competent to do surveys with this instrument. I am able to correlate the results with the geology to guide my exploration efforts.

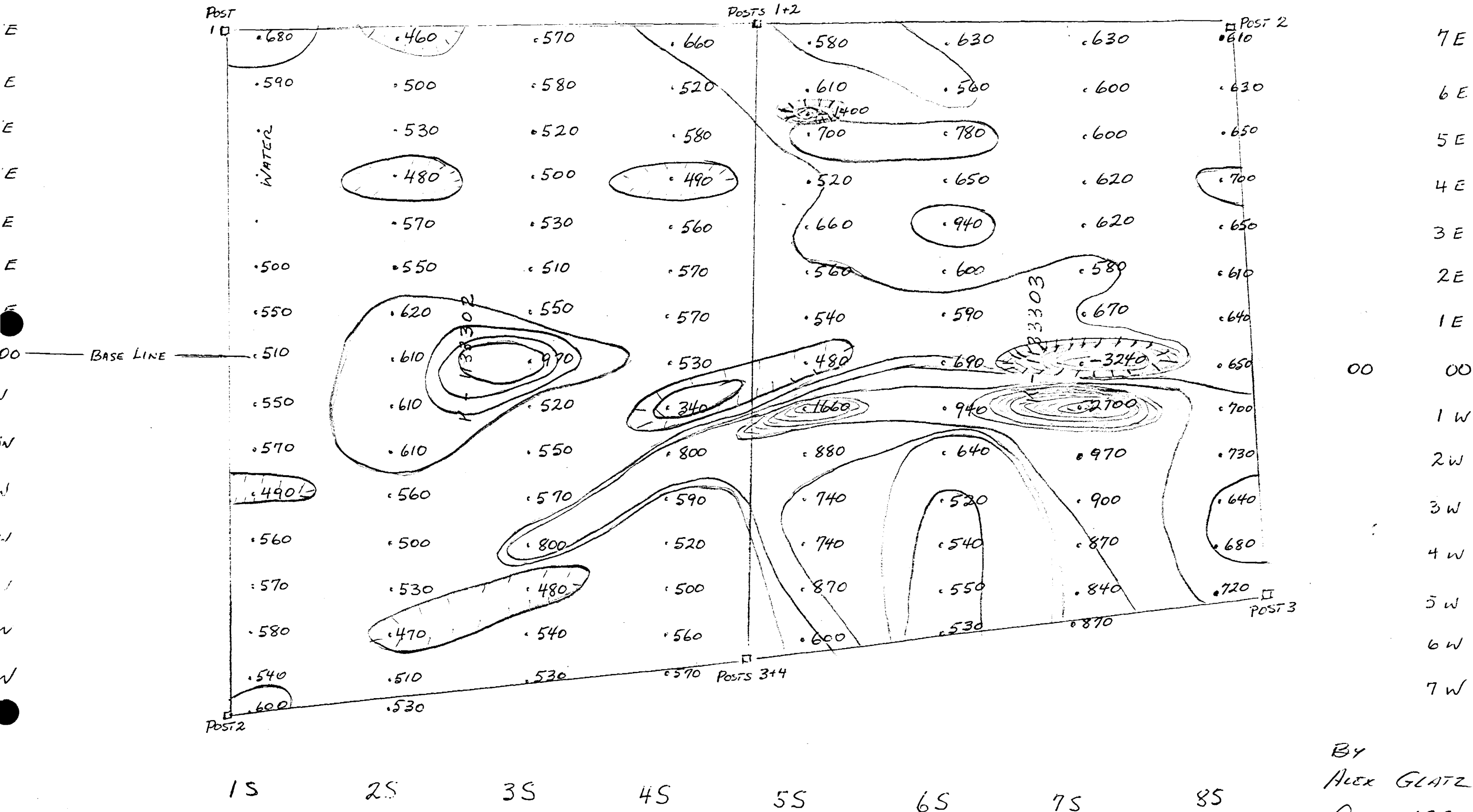
Alexander Glatz



SCALE: 1" = 100 FT.

NABISH LAKE PROJECT KOZOWY - GLATZ CU-NI SHOWING MAGNETOMETER SURVEY

BASE VALUE = 59,000 GAMMAS

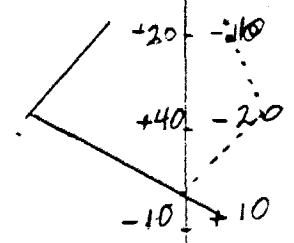


By
Alex GLATZ
Oct. 1990

IN PHA = QUANTITATIVE VLF SURVEY

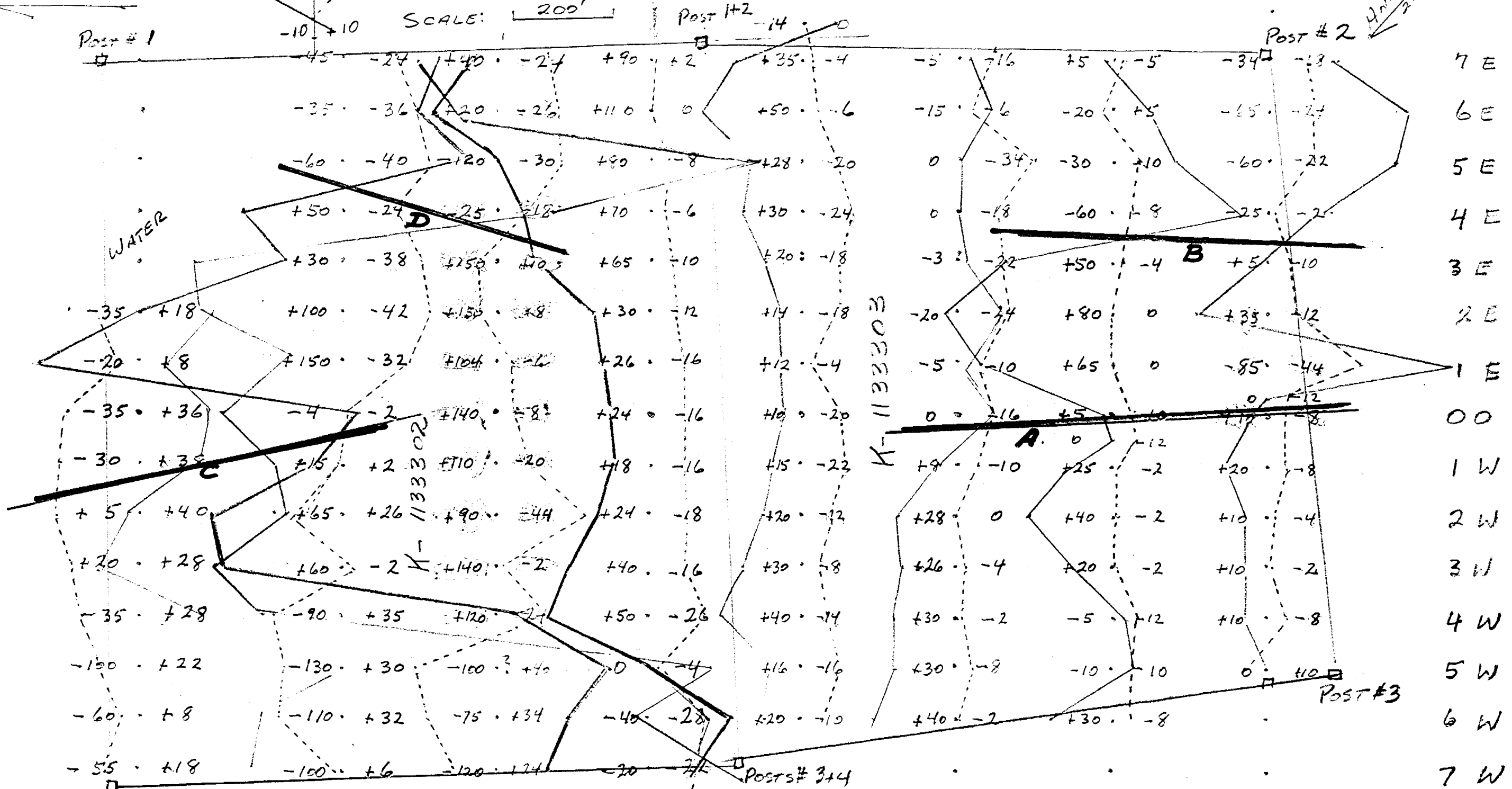
NABISH LAKE COPPER-NICKEL SHOWING

ALL READINGS TAKEN FACING EAST WITH KONKA 16



SCALE: 200'

HAINPOUS NSS
21.8 4.42



15 25 35 45 55 65 75 85



Mining Lands



Mining Act
Report of Work
(Geophysical, Geological and Geochemical Surveys)

Mining Lands Section, Mineral Development and Lands Branch.

Type of Survey(s) MAGNETOMETER; VLF-EM	Mining Division KENORA	Township or Area CONTACT BAY AREA G.2579
Recorded Holder(s) ALEX KOZOWY, ALEX GLATZ	Prospector's Licence No. S-1856 H-8691	
Address P.O. Box 36, DRYDEN, ONT. P8N 2X7		Telephone No. /
Survey Company ALEX GLATZ		
Name and Address of Author (of Geo-Technical Report) ALEX GLATZ, 15 PARK CRESCENT, DRYDEN, ONT. P8N 1T7		Date of Survey (from & to) 4 10 90 14 10 90

Credits Requested per Each Claim in Columns at right

Mining Claims Traversed (List in numerical sequence)

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	20
	- Magnetometer	40
	- Other	
For each additional survey using the same grid: Enter 20 days (for each)	Geological	
	Geochemical	
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Other	
	Geological	
	Geochemical	
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Other	
Total miles flown over claim(s).		
Date	Recorded Holder or Agent (Signature)	

Mining Claim		Mining Claim		Mining Claim	
Prefix	Number	Prefix	Number	Prefix	Number
K	1133302				
K	1133303				
MINING LANDS SECTION					
				Total number of mining claims covered by this report of work.	
				2	

Certification Verifying Report of Work

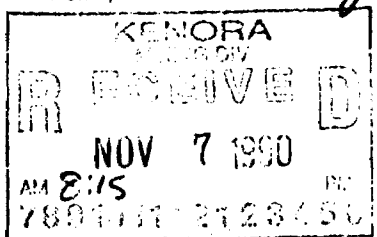
I hereby certify that I have a personal and intimate knowledge of the facts set forth in this Report of Work, having performed the work or witnessed same during and/or after its completion and annexed report is true.

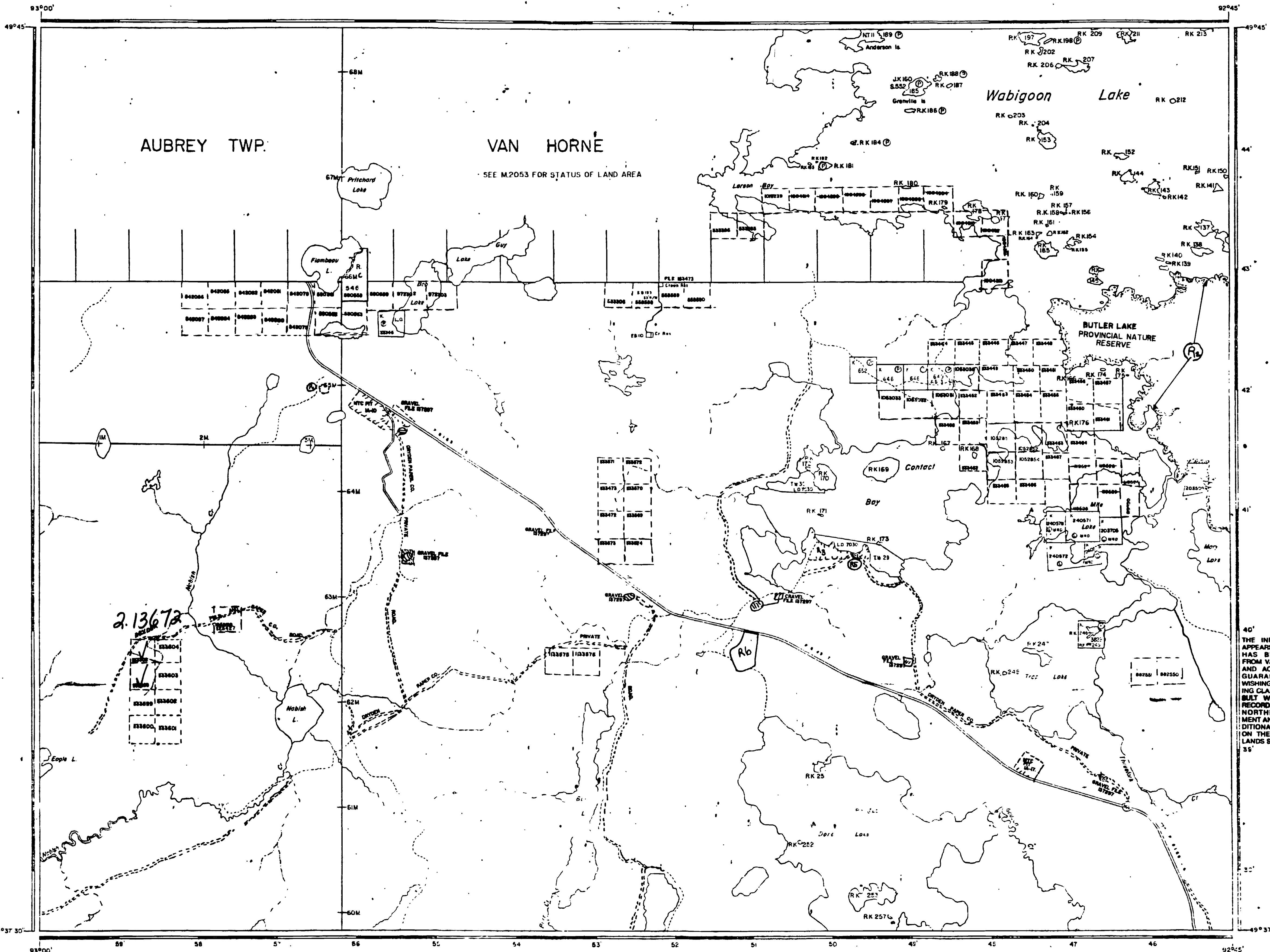
Name and Address of Person Certifying
ALEX GLATZ, 15 PARK CRESCENT, DRYDEN ONT. P8N 1T7

Telephone No. **(807) 223-6145** Date **OCT. 30 1990** Certified By (Signature) *Alex Glatz*

For Office Use Only

Total Days Cr. Recorded 120	Date Recorded Nov 7/90	Mining Recorder <i>Scott Rivett</i>
	Date Approved as Recorded Jan 18/91	Province Manager, Mining Lands <i>Tom C. Goshinski</i>





LEGEND

HIGHWAY AND ROUTE No.

OTHER ROADS

TRAILS

SURVEYED LINES:
TOWNSHIPS, BASE LINES, ETC.

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 COMPOSITE PLAN RESERVATIONS

ORIGINAL SHORELINE

MARSH OR MUSKEG

MINES

TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT

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 PRIOR TO MAY 6, 1912 VESTED IN ORIGINAL PATENTEES BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 200, SEC. 23, SUBSEC. 1

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. - MINING RIGHTS ONLY

S.R.O. - SURFACE RIGHTS ONLY

M.L.S. - MINING AND SURFACE RIGHTS

Disposition	Order No.	Date	Disposition	File
1	W.76/77	29/11/77	S.R.O.	10004
2	W.24/25	8/12/83	RES.	6000
3			PARK RESERVE	PUBLIC
4			PROPOSED SURFACE RIGHTS RESERVATION	JAN/83 LAND ACT.
5			CANCELLED	
6			PROPOSED GRANT TERM LID UNDER 20-2-83	MATERIA 2000

ALL ISLANDS IN WABIGOON LAKE WITHDRAWN FROM STAMPS UNDER SEC.20 R.S.O. OF 1970 ACT.

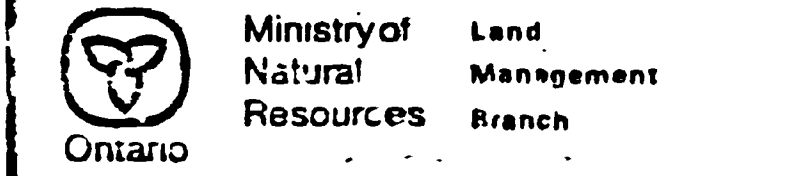
ROADS INDICATED DOTTED LINE CO. PRIVATE ROAD MAY BE USED BY PROSPECTORS ONLY AFTER PERMISSION IS OBTAINED FROM DRYDEN PAPER & CO. DRYDEN, ONTARIO.

RECEIVED
JAN 26 1984
789131112123456

SCALE: 1 INCH = 40 CHAINS

AREA: **CONTACT BAY WABIGOON LAKE**

M.N.S. ADMINISTRATIVE DISTRICT
DRYDEN
 MINING DIVISION
KENORA
 LAND TITLES / REGISTRY DIVISION
KENORA



Date: JANUARY, 1984
 Number: **G-2579**