

きゅうせいがないであるであっていっていない

76, 1997 (N. 1987)

RECEIVED

010

APR 1 1 1973 PROJECTS SECTION

INTERIM REPORT ON GROUND ELECTROMAGNETIC AND MAGNETIC SURVEYS, MINNITAKI LAKE AREA, SIOUX LOOKOUT, ONTARIO FOR SHILO MINES LIMITED

and the set of the set of the set

BY

.

BARRINGER RESEARCH LIMITED 304 CARLINGVIEW DRIVE METROPOLITAN TORONTO REXDALE, ONTARIO JUNE 1972



٠

Ø10C

PAGE

LIST OF CONTENTS

1.	Introduction	1
2.	Survey Specifications, Procedures and Instrumentation	3
	2.1 General	3
	2.2 Magnetometer Survey	3
	2.3 Electromagnetic Survey	3
3.	Presentation of Results	4
4.	Known Geology	5
5.	Interpretation	6
	5.1 Electromagnetic Survey	6
	5.2 Magnetometer Survey	7
6.	Conclusions and Recommendations	9
7.	References	10

LIST OF DRAWINGS

DWG. NC.	TITLE	SCALE
5-320-1	Locality plan (follows page 2)	
5-320-2	Horizontal loop EM survey, frequency 600 Hz, coil separation 300'	1" = 200'
5-320-3	Horizontal loop EM survey, frequency 2400 Hz, coil separation 300'	
5-320-4	Horizontal loop EM survey, frequency 600 Hz,	1" = 200'
5-320-5	coil separation 100' Horizontal loop EM survey, frequency 2400 Hz,	1" = 200'
	coil separation 100'	1" = 200'
5-320-6	Total Intensity Magnetics	l" = 200'
5-320-7	Interpretation	1" = 200'

I. INTRODUCTION

During the period of June 7 to 25, 1972, a combined horizontal loop ground electromagnetic and magnetic survey was carried out by Barringer Research Limited on behalf of Shilo Mines Limited in the Minnitaki Lake Area, Ontario.

The geophysical surveys were carried out on the recommendations contained in a report prepared by A. S. Bayne, P. Eng., A.S. Bayne & Company, Consulting Engineers, March 1972.

The survey covers in whole or part 13 contiguous claims numbered PA 331097 to PA 331109 inclusive. The majority of the claims lies over water and the present survey covers the land portions only. It is planned that the water covered areas will be surveyed after freeze-up.

The present survey occupies two land areas. One is Burnthut Island at the north shore of Minnitaki Lake, the second area is the east half mile of the main land point lying between Pickerel Arm and the main body of Minnitaki Lake. The survey area is located approximately eight miles southeast of Sioux Lookout, Ontario. The access to the area was by boat from Sioux Lookout.

The survey area is located on N.T.S. Map Sheet 52G/13 at a scale of 1:250,000. The topography is rugged on Burnthut Island with heavy vegetation, both deciduous trees and evergreen trees of varied types are present. The mainland area is less rugged with less vegetation. Both areas are generally steep along the lakeshore.

There is a great deal of outcrop in the area. When covered with overburden it is generally so shallow that picket lines could not be used. Hence station positions were marked on trees and with flagging tape. A total of 7.71 miles of lines were cut including base lines and grid lines. Altogether, 5.24 miles of EM surveying was carried out in the reconnaissance phase; detailed EM surveying covered 500 feet. It should be noted that 3600 feet of the reconnaissance EM surveying was carried out using 100 ft. coil separation due to the shortness of the lines. The balance was surveyed with 300 ft. coil separation. The magnetometer survey covered 6.55 miles plus 1.59 miles of detail.

It should also be noted here that the two survey grids were not tied together with horizontal distance measurements but will have to wait until freeze-up. The survey work was carried out by J. Vyselaar, geophysicist, T. Hanson and N. A. Buist, geophysical operators.

2. SURVEY SPECIFICATIONS, PROCEDURES AND INSTRUMENTATION

2.1 GENERAL

The surveys were carried out over cut and chained lines located 200 feet apart. The bearing of the base line is 43[°] T. The basic station interval was 100 feet along the survey lines.

2.2 MAGNETOMETER SURVEY

A harringer GM 102A proton precession magnetometer, measuring the total field to an accuracy of \pm 10 gammas was used for the survey. In order to establish the diurnal variations of the earth's magnetic field, base stations were established and then read periodically, usually within one hour. The measurements were corrected for any diurnal variation noted. The basic interval station was 100 feet. This was decreased to 50 feet or 25 feet in areas of steep magnetic gradients.

The magnetometer survey is referred to a base station located at Station 0+00 on Line 00, Burnthut Island. The magnetic survey on the mainland was tied to this base station. The base stations are indicated on the magnetic contour map.

2.3 ELECTROMAGNETIC SURVEY

The horizontal loop electromagnetic system used is a McPhar VHEM, measuring in-phase and quadrature components of the secondary rectromagnetic field in terms of percentages of the primary exciting field at two frequencies, 600 Hz and 2400 Hz. Three coil separations are available, 100 feet, 200 feet and 300 feet.

In the reconnaissance phase of the survey, measurements were obtained at both frequencies using 300 feet coil separation, with the exception of short lines, where the use of the 300 feet coil separation was impossible or impractical. In those cases 100 feet coil separation was used. Anomalous areas were detailed using 100 feet coil separation and both frequencies.

-3-

3. PRESENTATION OF THE RESULTS

The results of the surveys are presented in the form of maps at a horizontal scale of 1" = 200 feet; the maps show survey lines, survey stations and numbers as a common base for each map. The electromagnetic data are presented in profile form and the readings are plotted midway between the transmitting and receiving coils. The vertical scale of the profiles is 1" = 20%. The results obtained at 600 Hz and 2400 Hz are shown on separate maps (Dwg. Nos. 5-320-2 & 3). The results at 100 feet coil separation are shown on Dwg. Nos. 5-320-4 & 5. In addition to the profiles, the electromagnetic readings are also shown at each station. The interpretation is shown on a copy of the magnetic contour map (Dwg. No. 5-320-7).

The magnetic data are presented in the form of contours of equal intensity of the earth's magnetic field. The contour interval is 50 gammas with suitable larger intervals in areas of steep magnetic gradients (Dwg. No. 5-320-6). The value of the magnetic field is shown at each station.

-4-

4. KNCWN GEOLOGY

The only comprehensive field survey including Minnitaki was published by the Ontario Department of Mines (O.D.M.) in 1931, (Vol. XLI Pt. VI, 1932) by M.E. Hurst. In 1966 the O.D.M. published the Minnitaki-Sturgeon Lakes Sheet, Map P. 353. This map is a compilation of the general lithology and structure from the east side of Sturgeon Lake to 3/4 mile west of Burnthut Island on Minnitaki Lake.

"The underlying rocks are all Precambrian, overlain shallowly to a great extent by glacial deposits. The oldest formations are the Keewatin and Timiskaming volcanic-sedimentary rocks, which strike westward under a belt 15 miles wide through Minnitaki and Vermillion Lakes. These are intruded by igneous quartz and syenite porphyry, diorite, granodiorite and granite (Report by A.S. Bayne, P. Eng.)."

The Harvey Syndicate of Winnipeg prospected the north shore of Minnitaki Lake in 1897 and 1898 and sank a 7 feet by 9 feet shaft which is located on Burnthut Island on the current claim PA 331101. Ourgold Mines Limited drilled 21 and 18 core holes on the south part of Burnthut Island during the periods of 1947-48 and 1961-62 respectively.

"The mineralization consists of gold, pyrite, chacopyrite and galena. The sulphides are often disseminated in the gold-quartz veins and occur also as replacement blebs and fillings in chloritic schist. The strike of the main shears are N $55^{\circ}E$ to N $70^{\circ}E$ and dips 70° to 80° NW.

A strong shearing about 300 feet wide is exposed in places along the north shore of Pickerel Arm across Shilo's mainland claims PA 331105 and 331106 and continues across the south part of Burnthut Island. No work has been done on the mainland claims, but it is reported in 1930 that stripping and trenching of this shear, 3/4 mile west of PA 331105, exposed sheared, pyritized quartz porphyry containing stringers of quartz mineralized by chalcopyrite" (A.S. Bayne, P. Eng.).

For details of the drilling results and assays the reader is referred to the report by A.S. Bayne.

-5-

5. INTERPRETATION

5.1 ELECTROMAGNETIC SURVEY

The EM response over the two areas are not too dissimilar, the mainland is characterized by essentially flat out-phase response.

Four anomalies are noteworthy on Burnthut Island.

EM anomaly 1, on Line 24N at Station 11+00W (at low frequency) shows the characteristics of an anomaly caused by highly permeable material, usually magnetite, however this interpretation is not supported by the magnetic survey. The anomaly does not appear to have other than academic interest.

Anomaly 2 extends from L-18N to L-14N and is located east of the base line.

The anomaly appears to be a bedrock response although misorientation of the coils due to rugged topography may have influenced the in-phase response. The calculated conductivity thickness product is 9mhos, (poor to fair conductivity) and it may be at a depth of 60 to 70 feet.

A magnetic anomaly on L-14N correlates with the EM response which is not completely surveyed along this line because of the proximity of the shoreline. The conductor has no direct magnetic correlation on Lines 18N and 16N. The conductor appears to be located within a magnetically low region (Unit 4) which may include sediments and felsic volcanic rocks.

Anomaly 3 is located on L-2N and L-4N east of the base line. It is situated near an interpreted contact between mafic and felsic rocks, but there is every reason to believe that the anomaly is greatly influenced by topographic effects.

Anomaly 4 is only partially surveyed because it lies near the shoreline on Lines 6N-12N. It should be noted that the 100 coil separation was used because of the short grid lines; the conductor should be at a depth shallower than 50 feet. The

-6-

EN anomaly appears to have discontinuous magnetic correlation. The final interpretation of this conductor will be completed when the rest of the conductor is surveyed over the water covered areas.

There is only one possible conductor which needs mentioning on the mainland. It is located on L-20N east of the base line, it is a wide anomaly with minor out-phase response, which may be indicative of effects of conductive overburden. No particular significance can be attached to this conductor until further work is done off-shore.

5.2 MAGNETIC SURVEY

The magnetic contour map shows reasonable correlation with the limited amount geology indicated on the map accompanying the Bayne's report.

The mainland magnetic contour map is dominated by a magnetic unit centred within the grid (Unit 2). It is characterized by rapidly varying magnetic field at a number of locations and by a magnetic base level which is about 1500 - 2000 gammas higher than the surrounding units. The unit may represent intermediate to basic volcanic rocks; the rapid variations would be caused by inclusion of non-magnetic sedimentary rocks or magnetite deficient flows in the volcanic sequence and iron formation.

To the north and south, the magnetic field is gently varying and is believed that felsic volcanic rocks, rhyolites occupy these magnetic units. The magnetic field is similar on Burnthut Island to the mainland. The central, more magnetic unit, may be correlated with Unit 2 on the mainland. The magnetic field is more uniform here and the rapid variations which are frequent on the mainland are not in evidence. Intermediate to basic volcanic rocks are the likely rocks underlying the unit.

A magnetic anomaly south of Unit 2, striking nearly parallel to the base line is noteworthy. A basic volcanic flow or dyke maybe the cause.

The magnetic field is gently varying to the south of the anomaly discussed above.

Keewatin rhyolite and Algoman quartz porphyry and granite porphyry are mapped along the shoreline in this unit.

The magnetic field over the rest of the grid, north and west of Unit 2 are similar to the unit in the southeast of the island. The mapped rocks along the shores include Keewatin agglomerate, tuff and breccia, Timiskaming greywacke, slate, quartzite and Keewatin rhyolite. The magnetic characteristics of these rocks are very similar and cannot be separated on magnetic evidence alone.

Two shear zones, one on the mainland and one on Burnthut Island are shown on the Bayne's map.

If the location of these shear zones are correct, there seems to be no apparent magnetic signature representing the shear zones.

A number of northeast striking shear zones are interpreted from the magnetic map and shown on the interpretation map.

6. CONCLUSIONS AND RECOMMENDATIONS

The ground EM survey showed that the area is to a large extent covered by conductive overburden which may vary in thickness and conductivity. There is however also a great deal of outcrop, especially on Burnthut Island. An EM conductor related to bedrock was located on L-18N and L-16N on Burnthut Island. Also, the edge of a conductor which may develop into a significant anomaly, was located on L-12N, L-10N and L-8N on Burnthut Island and will be delineated during the winter survey. All other anomalies located are believed to be caused by a combination of conductive overburden and possible topographic effects.

The magnetometer survey revealed anomalous areas on both grids. The geological interpretation of this data is only general and tentative due to scarcity of geologic information.

It is recommended that geologic mapping be carried over the grid. This will provide information to finalize the interpretation of the magnetic data and EM results. The geological mapping should emphasize mineralization and shearing in the areas of interest. The final interpretation of data and further recommendations will depend on the results obtained over water covered areas.

BARRINGER RESEARCH LIMITED

J. Vyselaar, Geophysicist F. L. Jagodits, P. Eng. Chief Geophysicist CE OF O

-9-

7. REFERENCES

 Bayne, A.S., Report on Minnitaki Lake - Property of Shilo Mines Ltd., Area of Parnes Lake, Minnitaki-Sturgeon Lakes Map Area, Patricia Mining Division, Ontario, Canada.

MF (18392) 200

2. Lowrie, W. and West, G.F. - The Effect of a Conducting Overburden on Electromagnetic Prospecting Measurements, GEOPHYSICS, Vol. XXX No. 4 (August 1965) PP 624-632.

3. Strangway, D. W. - Electromagnetic Parameters of Some Sulfide Ore Bodies, Mining Geophysics, Vol 1. PP 227-242.



PROSE ST

020

MAR 2 8 1973

R CEIVED

化化物理疗法 植物化 测

PROJECTS SECTION

ŗ,

REPORT ON THE GI3 NW GROUND MAGNETIC SURVEY MINNITAKI LAKE AREA SIOUX LOOKOUT, ONTARIO FOR SHILO MINES LIMITED

BY

BARRINGER RESEARCH LIMITED 304 CARLINGVIEW DRIVE METROPOLITAN TORONTO REXDALE, ONTARIO MARCH, 1973



3

020C

PAGE

LIST OF CONTENTS

1.	Introduction	1
2.	Survey Specifications, procedures and instrumentation	2
	2.1 General	2
	2.2 Magnetometer survey	2
з,	Presentation of the results	3
4.	Known Geology	4
5.	Interpretation	6
6.	Conclusions and recommendations	8
7.	References	9

LIST OF DRAWINGS

DWG.NO.	TITLE	SCALE
5-320-1	Locality Plan (follows page 1)	1" ⊨ ½ & 25M
5-340-1	Total Intensity Magnetics - contours	1" = 200'
5-340-2	Total Intensity Magnetics - readings	1" = 200'
5-340-3	Interpretation	1" = 200'

1. INTRODUCTION

During the period of January 19, to February 4, 1973, a ground megnetometer survey was carried out by Barringer Research Limited on behalf of Shilo Mines Limited in the Minnitaki Lake area, Ontario.

The present ground magnetometer survey constitutes the second phase of the geophysical surveys which commenced during the summer of 1972. The survey which was carried out in 1972, covered the land portions of the property, Burnthut Island and the mainland and consisted of ground electromagnetic and ground magnetic surveys. The results and the interpretation, were presented in a report by Barringer Research Limited (Ref. 1).

N.

In this report, it was recommended that geological mapping of the property should be carried out. Mr. Wilfred Walker, Consulting Geologist, who visited the property during 1972, submitted his report directly to Shilo Mines Limited; his findings are incorporated in the interpretation of the present survey. His recommendations include that the magnetometer surveys should be carried out over the water covered areas of the property south and east of Burnthut Island including additional surveys on the island south of the old base line. The purpose of the magnetometer survey was to outline structural features. It is believed that gold mineralization may be associated with the structural features. The present survey covers all, or in part, the following claims: PA 331097, PA 331100, PA 331101, PA 331102, PA 331107, PA 331108, and PA 331109.

The survey area is located approximately eight miles southeast of Sioux Lookout, Ontario. The access to the area was by road and by ski-doo. The area is located on the N.T.S. Map Sheet 52 G/13 on a scale of 1:250,000. The topography is rugged on Burnthut Island with heavy vegetation, both deciduous trees and evergreen trees of varied types are present. The survey was carried out by George Young, senior geophysical operator. The new survey covered 6.2 line miles, altogether 654 readings were obtained. Prior to the commencement of the magnetometric survey, the additional lines were cut and picketed by George Young.

- 1 -

2. SURVEYS SPECIFICATIONS, PROCEDURES AND INSTRUMENTATION

2.1 GENERAL

The survey was carried out over survey lines located 200 feet apart closing down to 100 feet in the bay. The station interval was 50 feet along the survey lines.

2.2 MAGNETOMETER SURVEY

The Barringer GM 102A proton precession magnetometer measuring the total field to an accuracy of \pm 10 gammas was used for the survey. In order to establish the diurnal variations of the earth's magnetic field, base stations were established, and base station readings were obtained usually less than one hour apart. The measurements were corrected for any diurnal variations of the earth's magnetic field, assuming linear change with time.

The magnetometer survey is referred to a base station located at Station 0+00 on Line 00, Burnthut Island, which was the base station of the previous survey. The previous magnetometer survey and the present one are tied together and refer to the base station noted above. The base stations are indicated on the magnetic contour map.

- 2 -

3. PRESENTATION OF THE RESULTS

The results of the survey are presented in the form of a map on a horizontal scale of 1' = 200 feet; the map shows survey lines and survey stations. The results of the previous and present magnetometer surveys are presented together on one map in the form of contours of equal intensity of the earth's magnetic field. The contour interval is 25 gammas with suitably larger intervals in areas of steep magnetic gradients (Dwg. No. 5-340-1). The value of the magnetic field is shown at each station, but presented on a separate map with no magnetic contours (Dwg. No. 5-340-2). The interpretation of the data is presented on the Interpretation Map (Dwg. No. 5-340-3); a copy of the magnetometer contour map serves as the base for the interpretation map.

3

. KNOWN GEOLOGY

The known geology was described in some detail in Section four of the previous report by Barringer Research Limited (Ref. 1). However, for the sake of completeness the section is included below.

The only comprehensive field survey including Minnitaki was published by the Ontario Department of Mines (O.D.M.) in 1931, (Vol. XLI Pt. VI, 1932) by M. E. Hurst. In 1966 the O.D.M. published the Minnitaki-Sturgeon Lakes Sheet, Map P. 353. This map is a compilation of the general lithology and structure from the east side of Sturgeon Lake to 3.4 mile west of Burnthut Island on Minnitaki Lake.

"The underlying rocks are all Precambrian, overlain shallowly to a great extent by glacial deposits. The oldest formations are the Keewatin and Timiskaming volcanic-sedimentary rocks, which strike westward under a belt 15 miles wide through Minnitaki and Vermillion Lakes. These are intruded by igneous quartz and syenite porphyry, diorite, granodiorite and granite." (Report by A.S. Bayne, P. Eng.; Ref. 2).

The Harvey Syndicate of Winnipeg prospected the north shore of Minnitaki Lake in 1897 and 1898 and sank a 7 feet by 9 feet shaft which is located on Burnthut Island on the current claim PA 331101. Ourgold Mines Limited drilled 21 and 18 core holes on the south part of Burnthut Island during the periods of 1947-48 and 1961-62 respectively.

"The mineralization consists of gold, pyrite, chalcopyrite and galena. The sulphides are often disseminated in the gold-quartz veins and occur also.as replacement blebs and fillings in chloritic schist. The strike of the main shears are N 55° E to N 70° E and dips 70° to 80° NW.

A strong shearing about 300 feet wide is exposed in places along the north shore of Pickerel Arm across Shilo's mainland claims PA 331105 and 331106 and continues across the Louth part of Burnthut Island. No work has been done on the mainland claims, but it is reported in 1930 that stripping and trenching of this shear,

- 4 -

3/4 mile west of PA 331105, exposed sheared, pyritized quartz porphyry containing stringers of quartz mineralized by chalcopyrite" (A.S. Bayne, P. Eng.).

For details of the drilling results and assays the reader is referred to the report by A.S. Bayne (Ref. 2).

en forma en Maria

Mr. Walker makes further notes on the geology: Several thin basic to acid volcanic cycles (of the order of tens of feet thick) outcrop on the south shore of the headland west of Burnthut Island. The acid phase is accompanied by pyritiferous (i.e. iron sulphide) sedimentary bands. The magnetic horizons on the island and headland may well be magnetite (i.e. iron oxide) sedimentary bands. The shearing is evidently post-sedimentation. Some of the magnetic and conductive features are presumably explained by the iron facies.

5. INTERPRETATION

The addition of the 25 gamma contours revealed some additional details on the mainland. The interpretation of the data on the mainland has not changed in essence but in detail additional fault and/or shear zones are interpreted.

The centre grid area is occupied by Magnetic Unit 3 (Unit 2 on the previous map) which is believed to represent intermediate to basic volcanic rocks. The rapid variations in the unit may be caused by non-magnetic sedimentary rocks or magnetite deficient flows in the volcanic sequence and iron formation. A magnetic unit, unit 2, separates the gently varying magnetic field in Unit 1 from Unit 3. It is more than likely that the rocks in Unit 2 are similar to the rocks in Unit 3 but less mafic in composition. Magnetic Unit 2 in the north has the appearance of being caused by a dyke. In the south, Unit 2 may represent small intrusions.

The detailed magnetic survey on Burnthut Island revealed an interesting magnetic feature in the bay south of the base line.

The magnetic anomaly which peaks at station 5E on Line 6N, is abruptly terminated between Lines 6N and 8N by an interpreted fault or shear. However, the anomaly reoccurs with a much reduced intensity just north of the anomaly discussed above. This low intensity anomaly more or less strikes east-west and occupies the central part of the bay. It is more than likely that this anomaly is caused by the same rocks as occur in magnetic Unit 3, namely basic to intermediate volcanic rocks, probably a dyke. The rocks may sub-outcrop on the bottom of the bay.

Rocks underlying magnetic Unit 3 are believed to be intermediate to busic volcanic rocks. Anomalies which represent more basic members of the unit are outlined on Burnthut Island and indicated by the symbol 3a.

Magnetic Unit 4 occupies most of the northern and central part of the Island south of the base line. Sediments, metasediments, including felsic volcanic rocks, are believed to underlie the area.

- 6 -

A number of northeast-striking faults or shear zones are interpreted crossing the bay. These faults are reasonably well indicated by the magnetic contours but their actual location is uncertain.

 $24.3\times 5.1\pm$

. .

6. CONCLUSIONS AND RECOMMENDATIONS

The additional ground magnetometer survey south of the base line on Burnthut Island revealed two significant features. The first is the magnetic anomaly which occurs in the central part of the bay and it may represent an intermediate to basic dyke. The second feature is interpreted northeast-striking faults which cross the bay. Although the exact location of these faults is uncertain they may have significance when their relation to precious metal occurence is considered. If their relationship to precious metal occurrence is established their exact location may become critical. Assuming that these shear zones are conductive an electromagnetic survey may determine the r location.

The electromagnetic survey would also detect any conductors which may be caused by massive sulphide mineralization which may be associated with the precious metal occurrence. The survey would also detect massive sulphide mineralization which may occur at the contacts of the intermediate to basic volcanic rocks represented by the magnetic anomaly under the bay.

More specific recommendations will be made after the completion of the current geologic study by Messrs. Walker and Hammerstrom.

BARRINGER RESEARCH LIMITED

Frank L. Jagodits, P. Eng. Chief Geophysicist.



- 8 -

7. REPERENCES

 $\mathcal{T} = \{ e_i \}_{i \in \mathcal{T}}$

10

155 2 1 52

- Interim Report on Ground Electromagnetic and Magnetic Surveys, Minnitaki Lake Area, Sioux Lookout, Ontario, for Shilo Mines Limited, by Barringer Research Limited (1972).
- Bayne, A. S., Report on Minnitaki Lake Property of Shilo Mines Limited, Area of Parnes Lake, Minnitaki-Sturgeon Lakes Map Area, Patricia Mining Division, Cntario, Canada.



52G13NW0025 PARNES LAKE 52G13NW0027

١

)

, • •

OFFICE USE ONLY

900

File___

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT

RICEIVED

MAK 2 8 1973

PROJECTS

If space insufficient, attach list

FACTS SHOWN HERE NEED NOT BE REPEATED IN TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CO		PROJECTS SECTION
Type of Survey		
Township or Arca Minnitaki Lake - Sioux Lookout, Ont.		
Claim holder(s)Shilo_Mines_Ltd.	MINING CLAIM	
Ste. 203, 350 Bay Street, Toronto, Ont.	List nun	nerically
Author of Report F. L. Jagodits	PA	331098
Address 304 Carlingview Drive, Rexdale, Ontario.	(prefix)	(number)
Covering Dates of SurveyJune 18 - 24, 1972	PA	331101
Total Miles of Line cut 12.03 miles	PA	331104
	PA	331105
<u>SPECIAL PROVISIONS</u> <u>CREDITS REQUESTED</u> <u>Geophysical</u>	PA	331106
-Electromagnetic 20	РА	331108
ENTER 40 days (includes line cutting) for first Magnetometer		
survey. –Radiometric		
ENTER 20 days for each -Other		
additional survey using Geological		•
same grid. Geochemical		
AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)		
MagnetometerElectromagnetic Radiometric		••••••••••••••••••
(enter days per claim)	· · · · · · · · · · · · · · · · · · ·	••••••
DATE: Merch 2822,1973SIGNATURE: Author of Report	••••••	
PROJECTS SECTION	********************************	•••••••••••••••••••••••••••••••••••••••
Res. Geol Qualifications		••••••
Previous Surveys	••••••	•••••••••••••••••••••••••••••••
Checked bydate		
GEOLOGICAL BRANCH		
Approved bydate		•••••••••••••••••••••••••••••••••••••••
GEOLOGICAL BRANCH		·····
	TOTAL CLAINS	6

GEOPHYSICAL TECHNICAL DATA

n na sanga **ng tao kang ng**alaka sangang kang na sangan na sangan sangan sangan sangan na sangan na sangan sang Na sangan sang

and the second second

GROUND SURVEYS	300				200	
Number of Stations	100 0			_Number of Readings	300	
Station interval	200 60.00					
Line spacing		18 - 201		<u></u>	· · · · · · · · · · · · · · · · · · ·	
Profile scale or Contou	r intervals		for each type of survey)	· · · · · · · · · · · · · · · · · · ·		
						· •
MAGNETIC						
Instrument			•			
•						
						—
Base station location_				·		
ELECTROMAGNETIC Instrument_McPhar	· · · · · · · · · · · · · · · · · · ·					
Coil configuration	Horizontal					
Coil separation	300 feet ar	nd 100 fee	t			·
Accuracy			• • • #• • • • • • • • • • • • • • • •	·····		'
Method: •	Fixed tra	nsmitter	🖾 Shoot bac	k 😨 In line	Parallel line	
Frequency	d 24000 cps		(specify V.L.F. statio	n)		
Parameters measured.	In-phase	e - quadrat	ure			
GRAVITY						
Instrument						
Scale constant						
Corrections made		·				
Base station value and	l location					
Elevation accuracy	· · · · · · · · · · · · · · · · · · ·					
INDUCED POLARIZ	ATION - RE	<u>SISTIVITY</u>			••	
Instrument						
Time domain			Frequ	ency domain	<u></u>	
Frequency				c		
• •			-			
Electrode array	<u> </u>					
Type of electrode						
* •						

)

۰.

)

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

λ

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.

RECEIVED

i a

If space insufficient, attach list

File_

MAR 28 1973

PROJECTS .

	Type of Survey Magnetic		
	Township or Arca Minnitaki Lake - Sioux Lookout, Ont.		
	Claim holder(s)Shilo Mines Ltd.		IS TRAVERSED
	Ste. 203, 350 Bay St., Toronto, Ont.	List nu	merically .
	Author of Report P. L. Jagodits	PA	331098
	Address 304 Carlingview Drive, Rexdale, Ontario.	(prefix)	(number)
	Covering Dates of Survey_June 10 - 24, 1972 Jan. 19 - Feb.4 (linecutting to office)	РА	331100
	Total Miles of Line cut <u>12.03 miles</u>	ра	331101
		РА	331104
	SPECIAL PROVISIONS CREDITS REQUESTED Coophysical Per claim	РА	331105
	<u>CREDITS REQUESTED</u> Geophysical -Electromagnetic	ра	331106
	ENTER 40 days (includes line cutting) for first	ра	331108
-	survey. – Radiometric	РА	331109
	ENTER 20 days for each -Other additional survey using Geological		
	same grid		•••••••
	Geochemical	••••••••••••••••••••••••••••••••••	•••••••••••••••••••••••••••••••••••••••
	AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys) MagnetometerElectromagneticRadiometric		•••••
	(enter days per claim)		
	DATE: March 23 rd. 1973 SIGNATURE: Journ Mens.		
T	PROJECTS SECTION	••••••	
	Res. Geol Qualifications	****	
	Previous Surveys		
×			
	Checked bydate		
OFFICE USE UNL	GEOLOGICAL BRANCH		
	Approved bydate		••••••
	GEOLOGICAL BRANCH		
	Approved by date	TOTAL CLAIMS	8

GEOPHYSICAL TECHNICAL DATA

200

ROUND SURVEYS	
lumber of Stations624Number of Readings892	
tation interval_100 feet	
ine spacing200 feet (100 feet in Bay)	
rofile scale or Contour intervals25 Y	
(specify for each type of survey)	
IAGNETIC GM 102 (Barringer) nstrument	
Accuracy - Scale constant <u>± 10 y</u>	
Diurnal correction methodBase_station	
Base station location Station 0 + 00 Line 0 Burnthut Island	
ELECTROMAGNETIC	
nstrument	
Coil configuration	
Coil separation	}
Accuracy	' ,
Method: 🗆 Fixed transmitter 🖾 Shoot back 🗀 In line 🗔 Parallel line	
(specify V.L.F. station)	
(specily v.L.r. station) Parameters measured	_
GRAVITY	
Instrument	-
Scale constant	-
Corrections made	-
Base station value and location	-
Elevation accuracy	-
INDUCED POLARIZATION - RESISTIVITY	
Time domain Frequency domain	-
Frequency Range Range	
Power	
Electrode array	
Electrode spacing	-
Type of electrode	•
Type of electrone	-

)

Pri	NES .	LAKE 50	N. S.		· And a state of the state of t	_
/	1-21		ONTARIO	DRK	A separate form is required for each type of work to be recorded.	3
to the Recorde	or ofPat	tricia				I
,	Shild	o linos Ltd.				•
St	name of Record e. 203 350 1		nto, Ontario	Α	Ainer's Licence	
			MARI []!!!! ** ########		st10	
		on the following cor		//	type of work	•
laim No.	Doys	Claim No.	Days	Claim No.	Dave	
331098	.40	.331108	.4.9.	Cloim No.	Days	
.331100	49.			•••••••••••	******	
331101		*********	******	**********	****	
331104		**********	******	**********	****	
331105		**********	*****	**********	· •••••	
		**********	*****	***********		
331106		 ining Claim (s)		** ** * * * * * * * * * * * * *	•••••	
		when drilling was do		8110 AVAIPII 111 .	anhiteatat	f
ype of drill or neir employmer or Power Strip ork was done. ith each of the othe nearest c or Geophysica otes of survey aps, expenditur or Land Surve	equipment. Name oping - Type of eq Proof of actual c above types of taim post. In the 1, Geological, Ge (linecutting & o te breakdown, rec y - the name and t	uipment. Name and ac ost must be submitte work sketches are re case of diamond or ochemical Surveys ar office). Type of instr eipts must be filed ir address of Ontario La	ical Equipment then engaged in opera dress of owner or o d within 30 days of a quired to show the l other core drilling th and Expenditure Credi ument used. Total of a duplicate with the and surveyor.	ting equipmen perator. Amoun recording. ocation and e he sketch mus <u>ts</u> - the name amount of exp Minister within	t and the dates and hours on t expended. Dates on which xtent of the work in relation t be submitted in duplicate of author of report. Coverin enditure. Technical report n 60 days of recording.	f n n
ype of drill or heir employmer or Power Strip ork was done. ith each of the othe nearest c or Geophysica otes of survey aps, expenditur or Land Surve	equipment. Name oping - Type of eq Proof of actual c above types of laim post. In the 1, Geological, Ge (linecutting & o te breakdown, rec y - the name and o Information is as l	is and addresses of m uipment. Name and ac ost must be submitte work sketches are re case of diamond or ochemical Surveys ar ffice). Type of instr eipts must be filed ir address of Ontario La <u>Follows:</u> (Attac	ical Equipment then engaged in opera diress of owner or o d within 30 days of i quired to show the l other core drilling th and Expenditure Credit tument used. Total of a duplicate with the and surveyor. h a list if this space	ting equipmen perator. Amoun recording. ocation and e he sketch mus <u>ts</u> - the name amount of exp Minister within	t expended. Dates on which xtent of the work in relation t be submitted in duplicate of author of report. Coverir enditure. Technical report n 60 days of recording.	f n n
ype of drill or heir employmer or Power Strip ork was done. ith each of the othe nearest c or Geophysica otes of survey aps, expenditur or Land Surve	equipment. Name oping - Type of equipment Proof of actual c above types of laim post. In the 1, Geological, Ge (linecutting & o re breakdown, rec y - the name and o information is as l	is and addresses of m uipment. Name and ac ost must be submitte work sketches are re case of diamond or ochemical Surveys or office). Type of instr eipts must be filed in address of Ontario Lo Follows: (Attac ficist June 10 r June 10 Juno 10	ical Equipment then engaged in opera dress of owner or o d within 30 days of a quired to show the l other core drilling th and Expenditure Credi ument used. Total of a duplicate with the and surveyor.	ting equipmen perator. Amoun recording. ocation and en- te sketch must ts - the name product of exp Minister within is insufficier 304 Carl	t expended. Dates on which xtent of the work in relation t be submitted in duplicate of author of report. Coverir enditure. Technical report n 60 days of recording.	f n n g s,
ype of drill or heir employmer or Power Strip york was done. ith each of the othe nearest c or Geophysica otes of survey aps, expenditur or Land Survey he Required 1 J. Vyselaar J. Vyselaar J. Hanson J. Duist J. Young	equipment. Name nt. proof of actual c above types of equipment. In the diam post. In the differentiation of the present of the transformation of the expected of the transformation of the formation of the transformation of the expected of the transformation of the transformation of the transformation of the transformation of the expected of the transformation of the transfo	is and addresses of m uipment. Name and ac ost must be submitte work sketches are re access of diamond or ochemical Surveys or ffice). Type of instr eipts must be filed in address of Ontario Lo Follows: (Attac fcist June 10 June 10 June 10 June 19	ical Equipment ten engaged in opera diress of owner or of d within 30 days of it quired to show the l other core drilling th and Expenditure Credi ument used. Total of a duplicate with the and surveyor. h a list if this space - 24, 1972 - 18, 1972 - 18, 1972	ting equipmen perator. Amoun recording. ocation and en- the sketch must ts - the nome amount of exp Minister within is insufficier 304 Carl	at expended. Dates on which xtent of the work in relation t be submitted in duplicate of author of report. Coverin enditure. Technical report n 60 days of recording. nt) Lingview Dr. Rexiale.	f n n g s,
ype of drill or heir employmer or Power Strip ork was done. ith each of the othe nearest c or Geophysica otes of survey aps, expenditur or Land Survey he Required 1 J. Vyselaar F. Hanson J. Duist G. Young A. Carpente	equipment. Name nt. proof of actual c above types of equipment. In the diam post. In the differentiation of the present of the transformation of the expected of the transformation of the formation of the transformation of the expected of the transformation of the transformation of the transformation of the transformation of the expected of the transformation of the transfo	is and addresses of m uipment. Name and ac ost must be submitte work sketches are re case of diamond or ochemical Surveys ar ffice). Type of instr eipts must be filed in address of Ontario Lo Follows: (Attac fcist June 10 r June 10 June 10 r Jan. 19 Jan. 19	ical Equipment ten engaged in opera dress of owner or of d within 30 days of it quired to show the l other core drilling th and Expenditure Credit rument used. Total of a duplicate with the and surveyor. h a list if this space - 24, 1972 - 18, 1972 - 18, 1972 - Fob. 4, 1973	ting equipmen perator. Amoun recording. ocation and en- the sketch must ts - the nome amount of exp Minister within is insufficier 304 Carl	t expended. Dates on which xtent of the work in relation t be submitted in duplicate of author of report. Coverir enditure. Technical report: n 60 days of recording. ht) Lingview Dr. Rexiale Ontario	f n n g s,
ype of drill or heir employmer or Power Strip ork was done. With each of the othe nearest c or Geophysica otes of survey ops, expenditur or Land Survey ops, expenditur or Land Survey he Required 1 J. VyBelaar J. UyBelaar J. Hanson J. Buist G. Young A. Carpente Baringer Gil	equipment. Name nt. Proof of actual c above types of equipment. In the discrete state of the	is and addresses of m uipment. Name and ac ost must be submitte work sketches are re case of diamond or ochemical Surveys ar ffice). Type of instr eipts must be filed in address of Ontario Lo Follows: (Attac fcist June 10 r June 10 June 10 r Jan. 19 Jan. 19	ical Equipment then engaged in opera diress of owner or op d within 30 days of in quired to show the l other core drilling the main of the show the l outplicate with the and surveyor. The list if this space - 24, 1972 - 18, 1972 - 18, 1972 - 18, 1972 - Fob. 4, 1973 - Fob. 4, 1973	ting equipmen perator. Amoun recording. ocation and e he sketch must ts - the name amount of exp Minister within is insufficier 304 Carl Sloux Lo	t expended. Dates on which xtent of the work in relation t be submitted in duplicate of author of report. Coverir enditure. Technical report: n 60 days of recording. ht) Lingview Dr. Rexiale Ontario	f n n g s,
ype of drill or heir employmer or Power Strip ork was done. With each of the othe nearest c or Geophysica otes of survey ops, expenditur or Land Survey ops, expenditur or Land Survey he Required 1 J. VyBelaar J. UyBelaar J. Hanson J. Buist G. Young A. Carpente Baringer Gil	equipment. Name nt. proof of actual c e above types of equipment. In the laim post. In the l, Geological, Ge (linecutting & o re breakdown, rec y - the name and o Information is as l - Geophysi - Olerator - Nalpar - Diarator er - Helper 1 102 Magnetor	is and addresses of m uipment. Name and ac ost must be submitte work sketches are re ochemical Surveys ar iffice). Type of instr eipts must be filed in address of Ontario Lo Follows: (Attac icist June 10 June 10 June 10 June 10 June 10 Jan. 19 Jan. 19 meter	ical Equipment ien engaged in opera dress of owner or op d within 30 days of i quired to show the l other core drilling th ind Expenditure Credition of duplicate with the ist and surveyor. h a list if this space - 24, 1972 - 18, 1972 - 18, 1972 - 18, 1972 - Fob. 4, 1973 - Fob. 4, 1973 - Fob. 4, 1973 Mining Act	ting equipmen perator. Amoun recording. ocation and en the sketch must ts - the name product of exp Minister within is insufficier 304 Carl SJ.oux Lo	nt expended. Dates on which xtent of the work in relation t be submitted in duplicate of author of report. Coverir enditure. Technical report: n 60 days of recording. nt) Lingview Dr. Rexiale, Ontario, bokout, Ontario.	f n n g s,
ype of drill or heir employmer or Power Strip fork was done. With each of the othe nearest c or Geophysica otes of survey aps, expenditur or Land Survey he Required 1 J. Vyselaar F. Hanson J. Duist G. Young N. Carpente Baringer G: Baringer G: GateFebrua F.L. 304 ereby certify: 1. That b, having purfo	equipment. Name nt. pping - Type of eq Proof of actual c above types of d laim post. In the 1, Geological, Ge (linecutting & o re breakdown, rec y - the name and d information is as - Geophysi - Operator - Helper 1 102 Nagnetor ry, 22, 1973 Juggatts Carlingview 1 the annexed repo	is and addresses of m uipment. Name and ac isst must be submitte work sketches are re- icase of diamond or is ochemical Surveys or office). Type of instr- eipts must be filed in address of Ontario Lo Follows: (Attac ficist June 10 June 10 June 10 June 10 June 10 June 10 June 10 June 10 r June 10 June 10 r June 10 June 10 Lost June 10 June 10 June 10 June 10 June 10 Lost June 10 June 1	ical Equipment ien engaged in opera dress of owner or op d within 30 days of if quired to show the l other core drilling th ind Expenditure Credition of duplicate with the is- and surveyor. In a list if this space - 24, 1972 - 18, 1972 - 18, 1972 - 18, 1972 - Fob. 4, 1973 - Fob. 4, 1973 - Fob. 4, 1973 - Fob. 4, 1973 Mining Act ifying Report of Work Ontario. fice Address)	ting equipmen perator. Amoun recording. ocation and e. he sketch must ts - the name amount of exp Minister within is insufficier 304 Carl Sloux Lo Sloux Lo forth in the re- impletion.	t expended. Dates on which xtent of the work in relation t be submitted in duplicate of author of report. Coverir enditure. Technical report n 60 days of recording. 	f n n g s,

M	RNESA 1-2150	O THE MINING	ONTARIO ACT REPORT (DF WORK	A separate form is required for each type of work to be recorded.	#.
To the Record	er of	Patric	ia	•••••••		Division
1,	name of Recorde	d Holder			.T-500 liner's Licence	
	ste203, 352.N			10		
do hereby repo	the performance c	of	Post Office Ad		romagnetic	,
not before rep	orted to be applied a	on the following co	ontiguous claims		type of work	
Claim No.	Days	Claim No.	Days	Claim No.	Days	
	20					
331101	.20					
331104	.20			***********	******	
331105	.20		******	MXX.3.0.1A	15	
331106	20			ASSESSALLIT W	ORK	
331108	.20		******	9,****34488888888888	******	
•	as performed on Min		 Λs aio		•••••	
addresses of t For Diamond a owner or opera For Compresse Type of drill a their employme For Power Stri work was done With each of th to the nearest	pping - Type of equi . Proof of actual con- ne above types of w claim post. In the	ed the work and th <u>ng</u> - Footage, No. when drilling was d <u>er Driven or Mecha</u> and addresses of ipment. Name and a st must be submitt ork sketches are r case of diamond ar	e dates and hour and angle of ho lone. Signed core nical Equipment men engaged in address of owner ted within 30 day equired to show other core drill	s of their employment oles and diameter of log and sketch in a operating equipment r or operator. Amount ys of recording. the location and as ing the sketch must	nt. core. Name and ad duplicate. t and the dates and t expended. Dates a ktent of the work in be submitted in da	dress o hours o on which relation uplicate
addresses of t For Diamond a owner or opera For Compresse Type of drill a their employme For Power Stri work was done With each of th to the nearest For Geophysic dotes of surve mops, expenditu For Lond Surve	he men who performe and other Core Drilli itor of drill. Dotes w ed Air or Other Powe or equipment. Names ent. <u>ipping</u> • Type of equi one obove types of w claim post. In the al, Geological, Geo y (linecutting & off ure breakdown, recei ey • the name and ac	ed the work and th <u>ng</u> - Footage, No. when drilling was d er Driven or Mecha and addresses of ipment. Name and a st must be submitt ork sketches are r case of diamond ar chemical Surveys of fice). Type of ins ipts must be filed ddress of Ontario L	e dates and hour and angle of ho lone. Signed core nical Equipment men engaged in address of owne required to show other core drill and Expenditure trument used. T in duplicate with and surveyor.	s of their employment oles and diameter of e log and sketch in a operating equipment r or operator. Amount ys of recording. the location and ex- ing the sketch must <u>Credits</u> - the name of otal amount of expen- the Minister within	nt. core. Name and ad duplicate. t and the dates and t expended. Dates a ktent of the work in be submitted in du of author of report. enditure. Technical h 60 days of recordi	dress o hours o on which relation uplicate Coverin report
addresses of t For Diamond a owner or opera For Compresse Type of drill a their employme For Power Stri work was done With each of th to the nearest For Geophysic dotes of surve maps, expendite For Lond Surve	he men who performe and other Core Drilli itor of drill. Dates w ed Air or Other Powe or equipment. Names ent. pping • Type of equi b. Proof of actual co he above types of w claim post. In the al, Geological, Geo y (linecutting & off ure breakdown, recei ey • the name and ac Information is as F	ed the work and th <u>ng</u> - Footage, No. when drilling was d <u>er Driven or Mecha</u> and addresses of ipment. Name and a st must be submitted ork sketches are re- case of diamond are chemical Surveys of fice). Type of ins ipts must be filed ddress of Ontario L <u>ollows:</u> (Atta	e dates and hour and angle of ho lone. Signed core men engaged in address of owner required to show other core drill and Expenditure trument used. T in duplicate with and surveyor.	s of their employment oles and diameter of e log and sketch in a operating equipment r or operator. Amount vs of recording. The location and ex- ing the sketch must <u>Credits</u> - the name of otal amount of expe	nt. core. Name and ad duplicate. t and the dates and t expended. Dates a ktent of the work in be submitted in du of author of report. enditure. Technical h 60 days of recordi	dress o hours o on which relation uplicate Coverin report
addresses of t For Diamond a owner or opera For Compresse Type of drill a their employme For Power Stri work was done With each of th to the nearest For Geophysic dotes of surve maps, expendite For Lond Surve	he men who performe and other Core Drilli itor of drill. Dotes w ed Air or Other Powe or equipment. Names ent. <u>ipping</u> • Type of equi one obove types of w claim post. In the al, Geological, Geo y (linecutting & off ure breakdown, recei ey • the name and ac	ed the work and th <u>ng</u> - Footage, No. when drilling was d <u>er Driven or Mecha</u> and addresses of ipment. Name and a st must be submitted ork sketches are re- case of diamond are chemical Surveys of fice). Type of ins ipts must be filed ddress of Ontario L <u>ollows:</u> (Atta	e dates and hour and angle of ho lone. Signed core men engaged in address of owner required to show other core drill and Expenditure trument used. T in duplicate with and surveyor. ach a list if this	s of their employment oles and diameter of a log and sketch in a operating equipment r or operator. Amount ys of recording. The location and ex- ing the sketch must <u>Credits</u> - the name of otal amount of expe- h the Minister within space is insufficien	nt. core. Name and ad duplicate. t and the dates and t expended. Dates a ktent of the work in be submitted in du of author of report. enditure. Technical h 60 days of recordi	dress o hours o on which relatior uplicate Coverin I reports ng.
addresses of t For Diamond a owner or opera For Compress Type of drill a their employme For Power Stri work was done With each of th to the nearest For Geophysic dates of surve mops, expendit For Lond Surve The Required J. Vysclas T. Lansen	he men who performe and other Core Drilli itor of drill. Dates w ed Air or Other Powe or equipment. Names ent. <u>ipping</u> • Type of equi- b. Proof of actual co- he above types of w claim post. In the a- al, Geological, Geol- y (linecutting & off- ure breakdown, recei- ey • the name and ac- Information is as Fi- ar - Geophysici - Operator - Halper	ed the work and th <u>ng</u> - Footage, No. when drilling was d <u>er Driven or Mecha</u> and addresses of ipment. Name and a st must be submitted ork sketches are re- case of diamond are chemical Surveys of ipts must be filed ddress of Ontario L <u>ollows:</u> (Atta- st June 18/7.	e dates and hour and angle of ho lone. Signed core men engaged in address of owner required to show other core drill and Expenditure trument used. T in duplicate with and surveyor. ach a list if this	s of their employment oles and diameter of a log and sketch in a operating equipment r or operator. Amount ys of recording. The location and ex- ing the sketch must <u>Credits</u> - the name of otal amount of expe- h the Minister within space is insufficien	nt. core. Name and ad duplicate. t and the dates and t expended. Dates a ktent of the work in be submitted in du of author of report. enditure. Technical h 60 days of recordi	dress o hours o on which relatior uplicate Coverin I reports ng.
addresses of t For Diamond a owner or opera For Compress Type of drill a their employme For Power Stri work was done With each of th to the nearest For Geophysic dates of surve maps, expenditu For Land Surv The Required J. Vysclas T. Lansen :: Luist	he men who performe and other Core Drilli itor of drill. Dates w ed Air or Other Powe or equipment. Names ent. <u>ipping</u> • Type of equi- b. Proof of actual co- he above types of w claim post. In the a- al, Geological, Geol- y (linecutting & off- ure breakdown, recei- ey • the name and ac- Information is as Fi- ar - Geophysici - Operator - Halper	ed the work and th <u>ng</u> - Footage, No. when drilling was d <u>er Driven or Mecha</u> and addresses of ipment. Name and a st must be submitted ork sketches are re- case of diamond are chemical Surveys of ipts must be filed ddress of Ontario L <u>ollows:</u> (Atta- st June 18/7.	e dates and hour and angle of ho lone. Signed core men engaged in address of owner required to show other core drill and Expenditure trument used. T in duplicate with and surveyor. ach a list if this	s of their employment oles and diameter of a log and sketch in a operating equipment r or operator. Amount ys of recording. The location and ex- ing the sketch must <u>Credits</u> - the name of otal amount of expe- h the Minister within space is insufficien	nt. core. Name and ad duplicate. t and the dates and t expended. Dates a ktent of the work in be submitted in du of author of report. enditure. Technical h 60 days of recordi	dress o hours o on which relatior uplicate Coverin I report: ng.
addresses of t For Diamond a owner or opera For Compress Type of drill a their employme For Power Stri work was done With each of th to the nearest For Geophysic dates of surve maps, expenditu For Land Surv The Required J. Vysclas T. Lansen :: Luist	he men who performe and other Core Drilli itor of drill. Dates w ed Air or Other Powe or equipment. Names ent. <u>ipping</u> • Type of equi- b. Proof of actual co- he above types of w claim post. In the a- al, Geological, Geol- y (linecutting & off- ure breakdown, recei- ey • the name and ac- Information is as Fi- ar - Geophysici - Operator - Halper	ed the work and th <u>ng</u> - Footage, No. when drilling was d <u>er Driven or Mecha</u> and addresses of ipment. Name and a st must be submitted ork sketches are re- case of diamond are chemical Surveys of ipts must be filed ddress of Ontario L <u>ollows:</u> (Atta- st June 18/7.	e dates and hour and angle of ho lone. Signed core men engaged in address of owner required to show other core drill and Expenditure trument used. T in duplicate with and surveyor. ach a list if this	s of their employment oles and diameter of a log and sketch in a operating equipment r or operator. Amount ys of recording. The location and ex- ing the sketch must <u>Credits</u> - the name of otal amount of expe- h the Minister within space is insufficien	nt. core. Name and ad duplicate. t and the dates and t expended. Dates a ktent of the work in be submitted in du of author of report. enditure. Technical h 60 days of recordi	dress o hours o on which relatior uplicate Coverin I report: ng.
addresses of t For Diamond a owner or opera For Compress Type of drill a their employme For Power Stri work was done With each of th to the nearest For Geophysic dotes of surve mops, expenditu For Lond Surv The Required J. Vysclas T. Lansen X. Duist McPhal Vill	he men who performe and other Core Drilli itor of drill. Dotes w ed Air or Other Powe or equipment. Names ent. <u>ipping</u> - Type of equi- b. Proof of actual co- he above types of w claim post. In the al, Geological, Geological	ed the work and th <u>ng</u> - Footage, No. when drilling was d <u>er Driven or Mecha</u> and addresses of ipment. Name and a st must be submitted ork sketches are re- case of diamond are chemical Surveys of ipts must be filed ddress of Ontario L <u>ollows:</u> (Atta- st June 18/7.	e dates and hour and angle of ho lone. Signed core men engaged in address of owner required to show other core drill and Expenditure trument used. T in duplicate with and surveyor. ach a list if this	s of their employment oles and diameter of a log and sketch in a operating equipment r or operator. Amount ys of recording. The location and ex- ing the sketch must <u>Credits</u> - the name of otal amount of expe- h the Minister within space is insufficien	nt. core. Name and ad duplicate. t and the dates and t expended. Dates a ktent of the work in be submitted in du of author of report. enditure. Technical h 60 days of recordi	dress o hours o on which relatior uplicate Coverin I reports ng.
addresses of t For Diamond a owner or opera For Compress Type of drill a their employme For Power Stri work was done With each of th to the nearest For Geophysic dotes of surve mops, expenditu For Lond Surv The Required J. Vysclas T. Lansen X. Duist McPhal Vill	he men who performe and other Core Drilli itor of drill. Dates w ed Air or Other Powe or equipment. Names ent. <u>ipping</u> • Type of equi- b. Proof of actual co- he above types of w claim post. In the a- al, Geological, Geol- y (linecutting & off- ure breakdown, recei- ey • the name and ac- Information is as Fi- ar - Geophysici - Operator - Halper	ed the work and th <u>ng</u> - Footage, No. when drilling was d <u>er Driven or Mecha</u> and addresses of ipment. Name and a st must be submitted ork sketches are re- case of diamond are chemical Surveys of ipts must be filed ddress of Ontario L <u>ollows:</u> (Atta- st June 18/7.	e dates and hour and angle of ho lone. Signed core nical Equipment men engaged in address of owner required to show other core drill and Expenditure trument used. T in duplicate with and surveyor. ach a list if this 2 24/72 }	s of their employment oles and diameter of e log and sketch in a operating equipment r or operator. Amount ys of recording. The location and ex- ing the sketch must <u>Credits</u> - the name of otal amount of expen- the Minister within space is insufficien 304 Carlingvio	nt. core. Name and ad duplicate. t and the dates and t expended. Dates a ktent of the work in be submitted in du of author of report. enditure. Technical to 60 days of recordi t) cw Dr., Roxdale	dress o hours o on which relatior uplicate Coverin I report: ng.
addresses of t For Diamond a owner or opera For Compresse Type of drill a their employme For Power Stri work was done With each of th to the nearest For Geophysic dotes of surve mops, expendite For Lond Surve The Required J. Vysclas T. Lansen :: Euist McPhal Vill	he men who performe and other Core Drilli itor of drill. Dotes w ed Air or Other Powe or equipment. Names ent. <u>ipping</u> - Type of equi- b. Proof of actual co- he above types of w claim post. In the al, Geological, Geological	ed the work and th <u>ng</u> - Footage, No. when drilling was d <u>er Driven or Mecha</u> and addresses of ipment. Name and a st must be submitted ork sketches are re- case of diamond are chemical Surveys of ipts must be filed ddress of Ontario L <u>ollows:</u> (Atta- st June 18/7.	e dates and hour and angle of ho lone. Signed core nical Equipment men engaged in address of owner required to show other core drill and Expenditure trument used. T in duplicate with and surveyor. ach a list if this 2 24/72 }	s of their employment oles and diameter of a log and sketch in a operating equipment r or operator. Amount ys of recording. The location and ex- ing the sketch must <u>Credits</u> - the name of otal amount of expe- h the Minister within space is insufficien	nt. core. Name and ad duplicate. t and the dates and t expended. Dates a ktent of the work in be submitted in du of author of report. enditure. Technical to 60 days of recordi t) cw Dr., Roxdale	dress o hours o on which relatior uplicate Coverin I report: ng.
addresses of t For Diamond a owner or opera For Compresse Type of drill a their employme For Power Stri work was done With each of th to the nearest For Geophysic dotes of surve mops, expendite For Lond Surve The Required J. Vysclas T. Lansen :: Euist McPhal Vill	he men who performe and other Core Drilli itor of drill. Dotes w ed Air or Other Powe or equipment. Names ent. <u>ipping</u> - Type of equi- b. Proof of actual co- he above types of w claim post. In the al, Geological, Geological	ed the work and th <u>ng</u> - Footage, No. when drilling was d <u>er Driven or Mecha</u> and addresses of ipment. Name and a st must be submitt ork sketches are r case of diamond or chemical Surveys of fice). Type of ins ipts must be filed ddress of Ontario 1 <u>ollows:</u> (Atto St June 18/7. June 20 - "	e dates and hour and angle of hour incal Equipment men engaged in address of owner required to show other core drill and Expenditure trument used. T in duplicate with and surveyor. and surveyor. both a list if this 24/72) 24/72)	s of their employment oles and diameter of e log and sketch in a operating equipment r or operator. Amount ys of recording. the location and ex- ing the sketch must <u>Credits</u> - the name of otal amount of expen- the Minister within space is insufficien 304 Carlingvia	nt. core. Name and ad duplicate. t and the dates and t expended. Dates a ktent of the work in be submitted in du of author of report. enditure. Technical to 60 days of recordi t) cw Dr., Roxdale	dress o hours o on which relatior uplicate Coverin I report: ng.
addresses of t For Diamond a owner or opera For Compresse Type of drill a their employme For Power Stri work was done With each of th to the nearest For Geophysic dotes of surve mops, expendite For Lond Surve The Required J. Vysclas T. Lansen :: Euist McPhal Vill	he men who performe and other Core Drilli itor of drill. Dotes w ed Air or Other Powe or equipment. Names ent. <u>Ipping</u> - Type of equi- b. Proof of actual co- ne above types of w claim post. In the a- al, Geological, Geologi	ed the work and th <u>ng</u> - Footage, No. when drilling was d <u>er Driven or Mecha</u> and addresses of ipment. Name and a st must be submitt ork sketches are r case of diamond or chemical Surveys of fice). Type of ins ipts must be filed ddress of Ontario 1 <u>ollows:</u> (Atto St June 18/7. June 20 - "	e dates and hour and angle of hour incal Equipment men engaged in address of owner required to show other core drill and Expenditure trument used. T in duplicate with and surveyor. and surveyor. both a list if this 24/72 }	s of their employment oles and diameter of e log and sketch in a operating equipment r or operator. Amount ys of recording. the location and ex- ing the sketch must <u>Credits</u> - the name of otal amount of expen- the Minister within space is insufficien 304 Carlingvia	nt. core. Name and ad duplicate. t and the dates and t expended. Dates a ktent of the work in be submitted in du of author of report. enditure. Technical to 60 days of recordi t) cw Dr., Roxdale	dress o hours o on which relatior uplicate Coverin I report: ng.
addresses of t For Diamond a owner or opera For Compress: Type of drill a their employmer For Power Stri work was done With each of th to the nearest For Geophysic dotes of surve mops, expenditu For Land Surv. The Required J. Vysclas T. Lansen ::. Luist MCPhal Vill DateFebru I,	he men who performe and other Core Drilli itor of drill. Dotes w ed Air or Other Powe or equipment. Names ent. <u>Ipping</u> - Type of equi- b. Proof of actual co- ne above types of w claim post. In the a- al, Geological, Geologi	ed the work and th ng - Footage, No. when drilling was d er Driven or Mecha and addresses of ipment. Name and a st must be submitt ork sketches are r case of diamond or chemical Surveys of fice). Type of ins ipts must be filed ddress of Ontario 1 oflows: (Atto st June 18/7: June 20 - " The Certificate Ve , Raidalo, Ontario	e dates and hour and angle of hour incal Equipment men engaged in address of owner required to show other core drill and Expenditure trument used. T in duplicate with and surveyor. ach a list if this 2 } 24/72 } whining Act erifying Report o tar 10.	s of their employment oles and diameter of e log and sketch in a operating equipment r or operator. Amount ys of recording. the location and ex- ing the sketch must <u>Credits</u> - the name of otal amount of expen- the Minister within space is insufficien 304 Carlingvia	nt. core. Name and ad duplicate. t and the dates and t expended. Dates a ktent of the work in be submitted in du of author of report. enditure. Technical to 60 days of recordi t) cw Dr., Roxdale	dress o hours o on which relatior uplicate Coverin I report: ng.
addresses of t For Diamond a owner or opera For Compresse Type of drill a their employme For Power Stri work was done With each of th to the nearest For Geophysic dotes of surve mops, expendite For Lond Surve The Required J. Vyselas T. Lansen ::. Euist McPhal Vill DateFebru DateFebru 1,	the men who performed and other Core Drilli itor of drill. Dates we ad Air or Other Powe or equipment. Names ent. pping • Type of equi b. Proof of actual co- ne above types of w claim post. In the al, Geological, Geo y (linecutting & off ure breakdown, recei- ey • the name and act Information is as F- ar - Geophysici - Operator - Halper C'I Unit	ed the work and th ng - Footage, No. when drilling was d er Driven or Mecha and addresses of ipment. Name and a st must be submitt ork sketches are r case of diamond or chemical Surveys of fice). Type of ins ipts must be filed ddress of Ontario 1 oflows: (Atto st June 18/7: June 20 - " The Certificate Ve , Raidalo, Ontario	e dates and hour and angle of hour inical Equipment men engaged in address of owner required to show other core drill and Expenditure trument used. T in duplicate with and surveyor. ach a list if this 2 } 24/72 } whining Act crifying Report o	s of their employment oles and diameter of e log and sketch in a operating equipment r or operator. Amount ys of recording. the location and ex- ing the sketch must <u>Credits</u> - the name of otal amount of expen- the Minister within space is insufficien 304 Carlingvia	nt. core. Name and ad duplicate. t and the dates and t expended. Dates a ktent of the work in be submitted in du of author of report. enditure. Technical to 60 days of recordi t) cw Dr., Roxdale	dress o hours o on which relation uplicate Coverin I report ng.
addresses of t For Diamond a owner or opera For Compresse Type of drill a their employme For Power Stri work was done With each of th to the nearest For Geophysic dotes of surve mops, expendite For Lond Surve The Required J. Vysclast The Required J. Vysclast Harson C. Lanson C. Lanson C	the men who performed and other Core Drilli itor of drill. Dotes w ed Air or Other Powe or equipment. Names ent. pping - Type of equi b. Proof of actual co- ne above types of w claim post. In the a al, Geological, Geo y (linecutting & off ure breakdown, recei- ey - the name and ac information is as F ar - Geophysici - Operator - Holper C'I Unit	ed the work and th ng - Footage, No. when drilling was d er Driven or Mecha and addresses of ipment. Name and a st must be submitted ork sketches are re- case of diamond or chemical Surveys of fice). Type of ins ipts must be filed ddress of Ontario 1 <u>ollows:</u> (Atta St June 18/7: June 20 - " The Certificate Ver , Raxizla, Ontario 1 (Post Conditional conditions)	e dates and hour and angle of hour inical Equipment men engaged in address of owner required to show other core drill and Expenditure trument used. T in duplicate with and surveyor. the a list if this 2 } 24/72 } 24/72 } thining Act orifying Report of tar10.	s of their employment oles and diameter of e log and sketch in a operating equipment r or operator. Amount ys of recording. the location and ex- ing the sketch must <u>Credits</u> - the name of otal amount of expen- n the Minister within space is insufficien 304 Carlingvio Source of Recorde f Work	nt. core. Name and ad duplicate. t and the dates and t expended. Dates of tent of the work in the submitted in du of author of report. enditure. Technical to 60 days of recordi t) t) t) t) t) t) t) t) t) t) t) t) t)	dress o hours o on which relation uplicate Coverin I reports ng.
addresses of t For Diamond a owner or opera For Compresse Type of drill a their employme For Power Stri work was done With each of th to the nearest For Geophysic dotes of surve mops, expendite For Lond Surve The Required J. Vysclast The Required J. Vysclast HcPhal Vill DateFebru DateFebru hereby certify: 1. That to, having performed	he men who performed and other Core Drilli itor of drill. Dotes w ed Air or Other Powe or equipment. Names ent. <u>Ipping</u> - Type of equip b. Proof of actual con- ne above types of w claim post. In the a al, Geological, Geol	ed the work and th ng - Footage, No. when drilling was d er Driven or Mecha and addresses of ipment. Name and a st must be submitted ork sketches are re- case of diamond or chemical Surveys of fice). Type of ins ipts must be filed ddress of Ontario 1 <u>ollows:</u> (Atta St June 18/7: June 20 - " The Certificate Ver , Raxizla, Ontario 1 (Post Conditional conditions)	e dates and hour and angle of hour inical Equipment men engaged in address of owner required to show other core drill and Expenditure trument used. T in duplicate with and surveyor. the a list if this 2 } 24/72 } 24/72 } thining Act orifying Report of tar10.	s of their employment oles and diameter of e log and sketch in a operating equipment r or operator. Amount ys of recording. the location and ex- ing the sketch must <u>Credits</u> - the name of otal amount of expen- n the Minister within space is insufficien 304 Carlingvio Source of Recorde f Work	nt. core. Name and ad duplicate. t and the dates and t expended. Dates of tent of the work in the submitted in du of author of report. enditure. Technical to 60 days of recordi t) t) t) t) t) t) t) t) t) t) t) t) t)	dress o hours o on which relation uplicate Coverin I reports ng.



Ministry of

Resources

Natural

W 1617, Parliament Buildings Toronto, Ontario M7A 1X1

المريد المعروم مراجعه

\$ 121

": [: [; · · ·

one: 965-6918

June 19, 1973

Our file number 2.1182 Your file number

Mr. J. R. Oatway Regional Director Ministry of Natural Resources 808 Robertson Street Kenora, Ontario P9N 1X9

Attn: Mr. W. A. Buchan

Dear Sir:

Re: Mining Claims Pa. 331098 et al, Parnes Lake, File 2.1182

The Geophysical (Electromagnetic and Magnetometer) assessment work credits as listed with my Notice of Intent dated June 4, 1973 have been <u>approved</u> as of the date above.

The mining recorder should inform the recorded holder of these mining claims and so indicate on his records.

Yours very truly,

Hmathe

OJ/mw

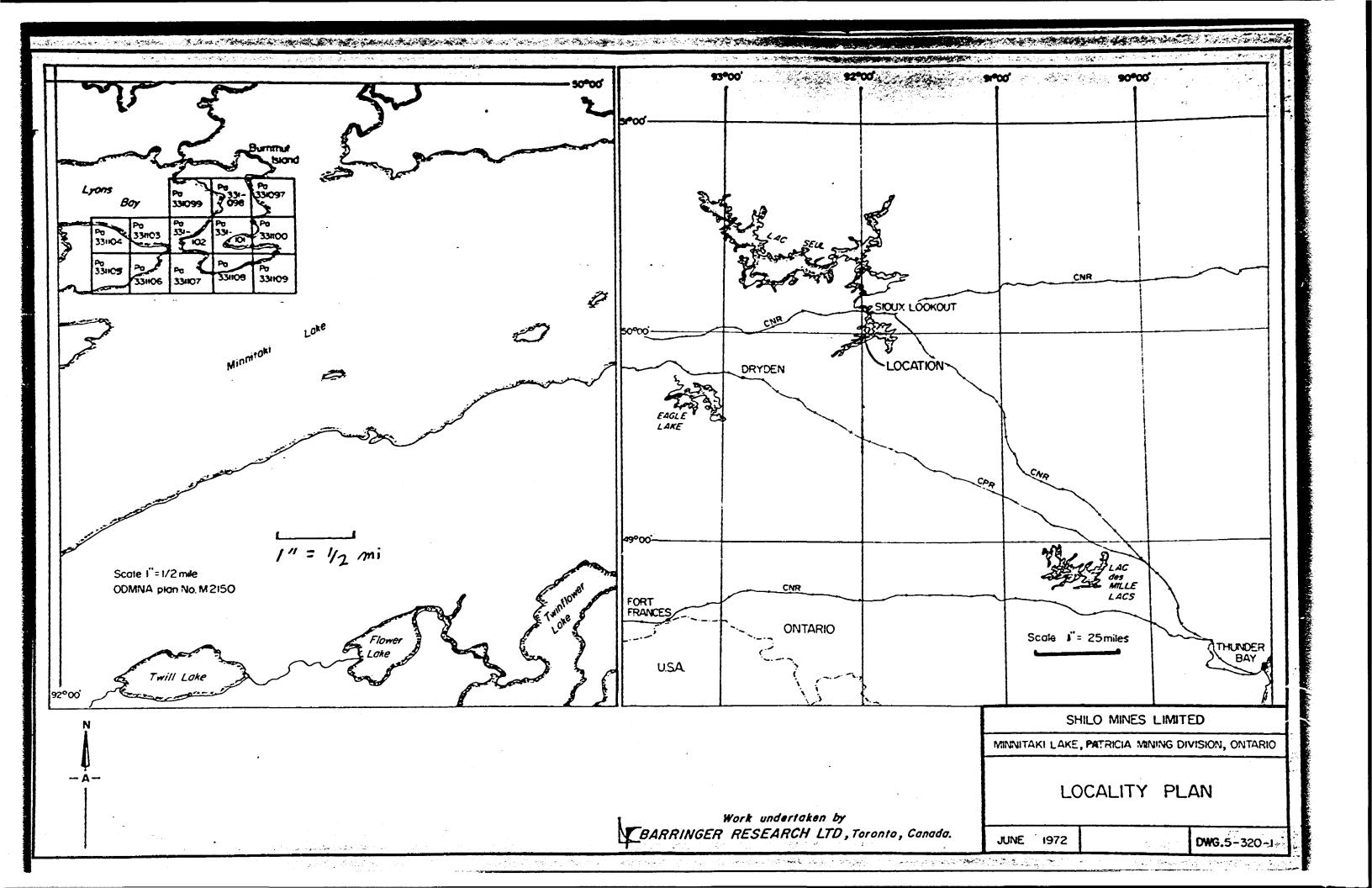
Fred W. Matthews Supervisor Projects Unit

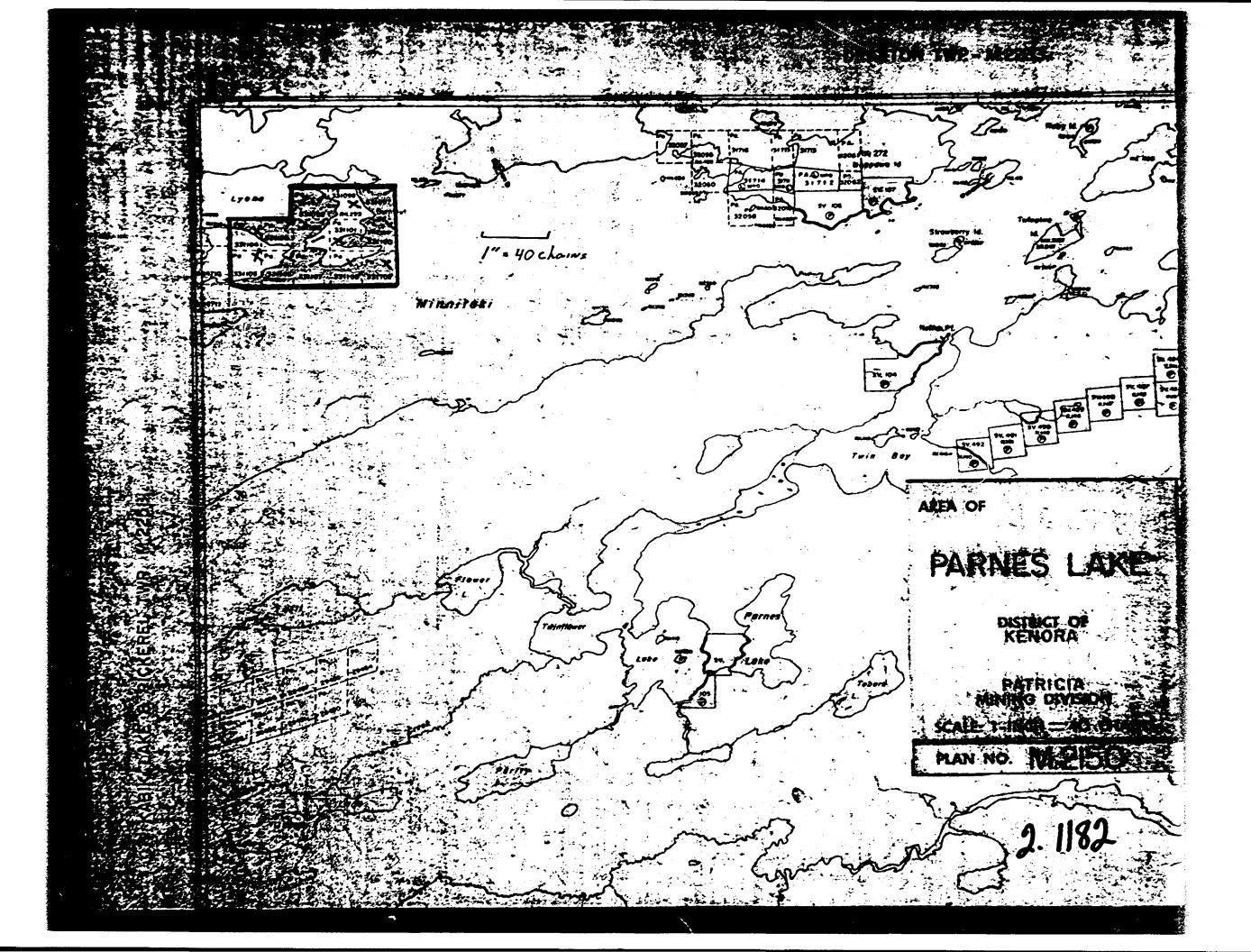
cc: Shilo Mines Limited

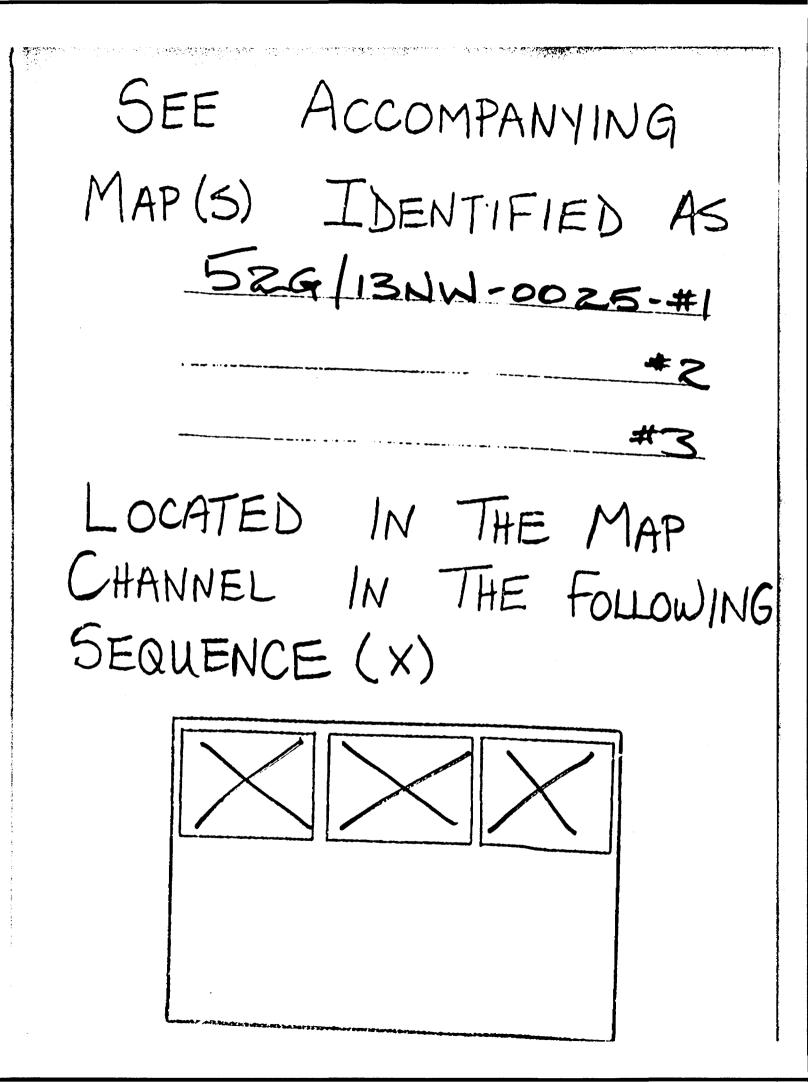
cc: F. L. Jagodits

cc: Barringer Research

cc: Resident Geologist Kenora, Ontario







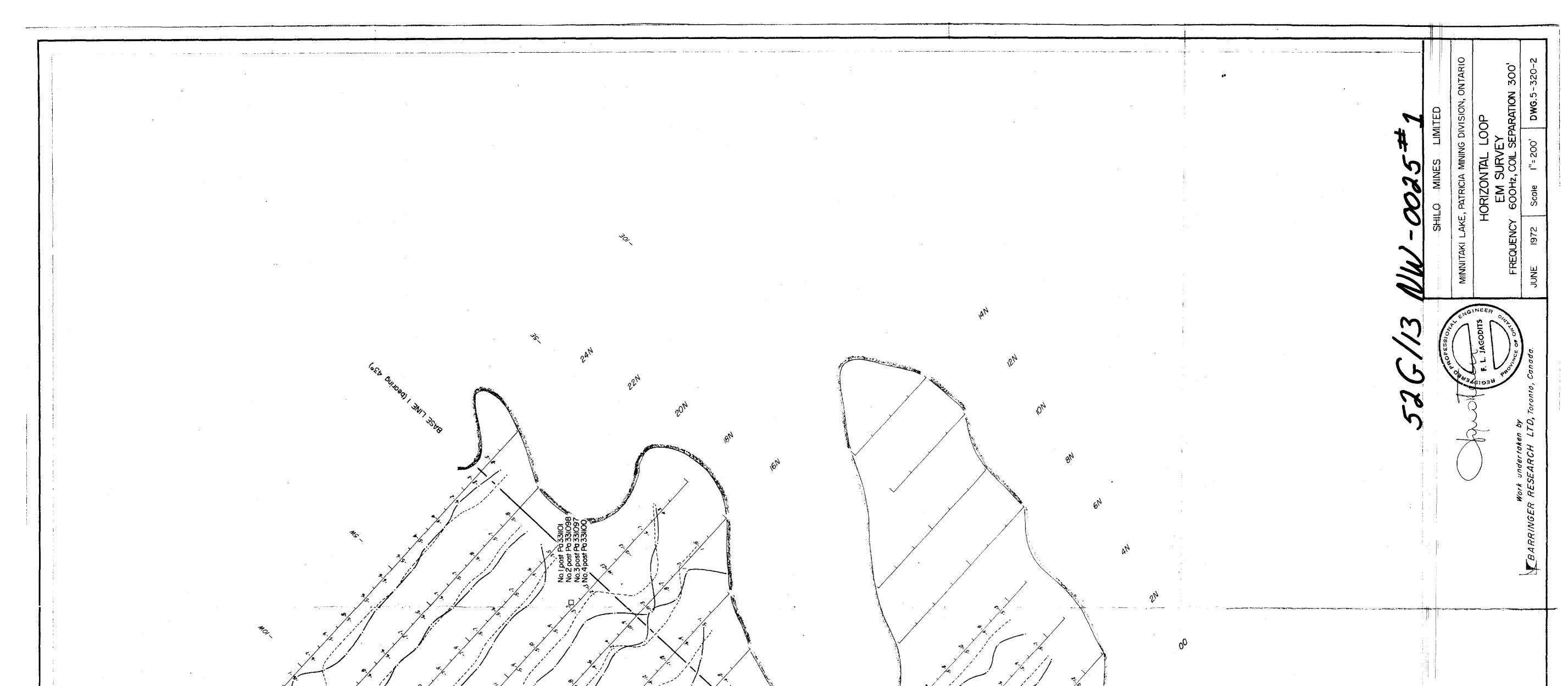


FOR ADDITIONAL

LNFORMATION

SEE MAPS:

52G/13NW-0025#4-#7



······

and the second of the second o

No.1 post Pg 331107 No.2 post Pg 331102 No.3 post Pg 331101 No.4 post Pg 331101 No.4 post Pg 331108

a state of the second second

g S

Sectarwoo27 52613NW0025 PARNES LAKE

• . . . • . . • ,

• . . · · · î

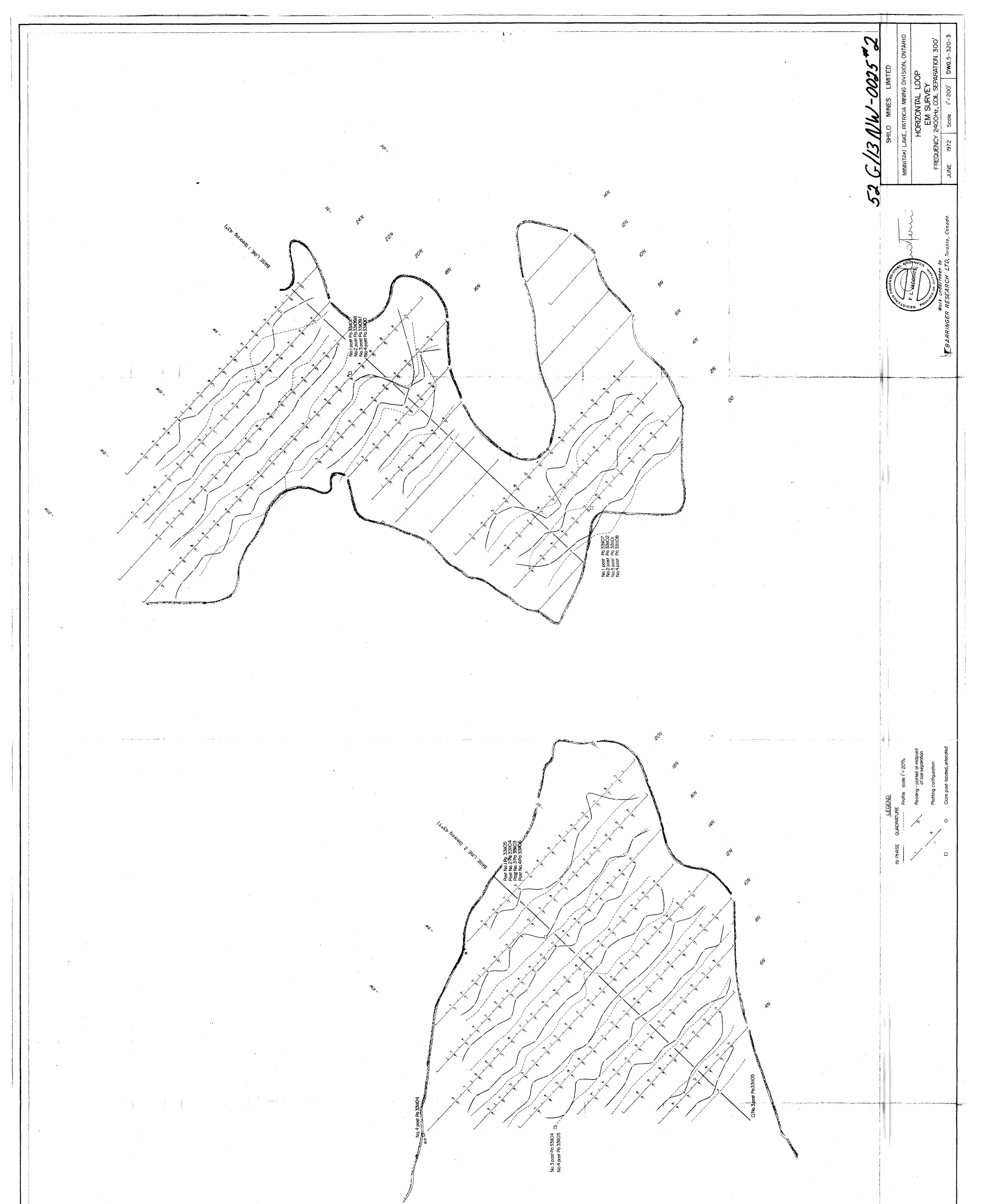
J.

.

..

· ·

·····



SEG13NW0027 SEG13NW0025 PARNES LAKE

0

•

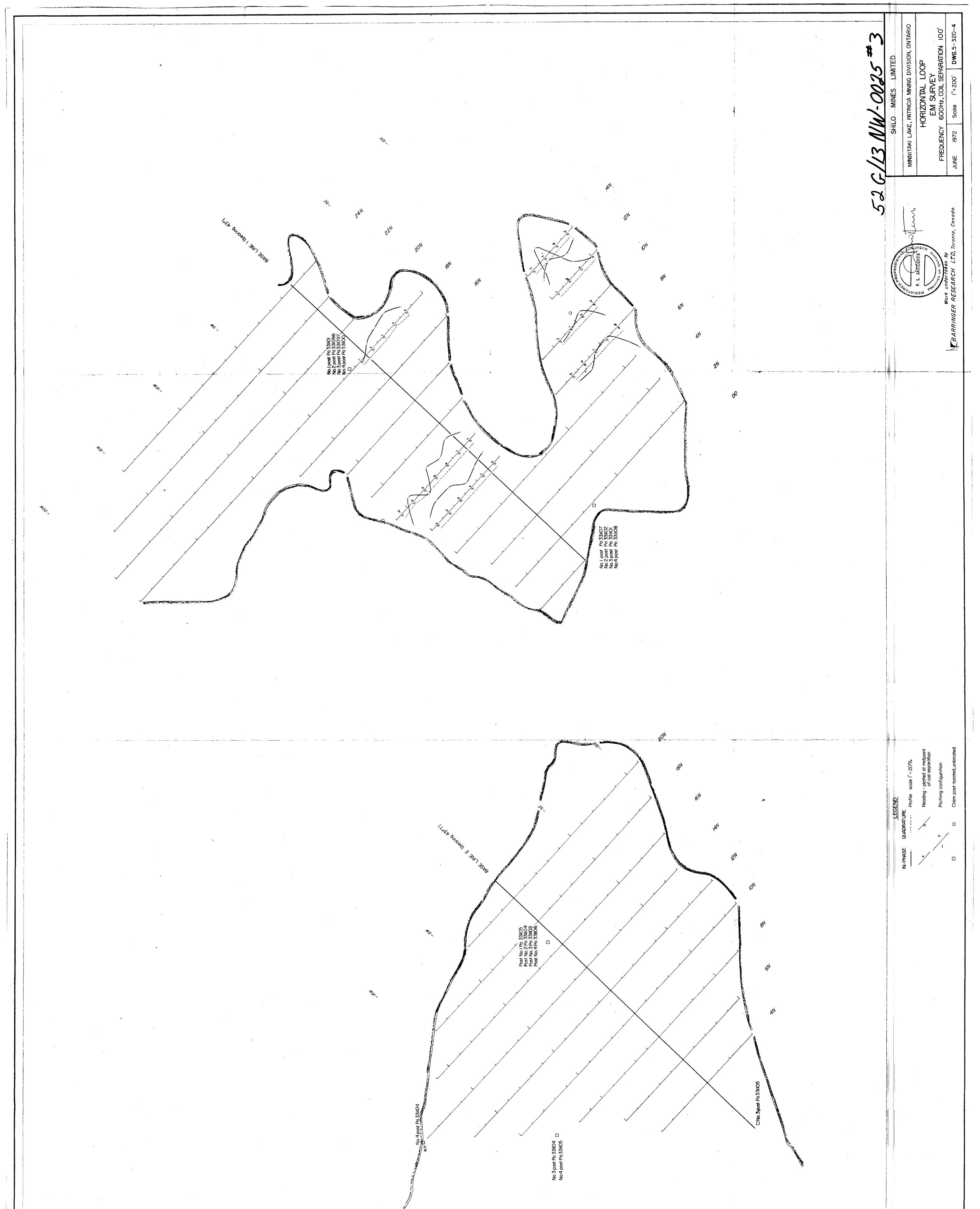
. '

• •

•

-

.





.

•

.

•

. •

• . •

. .

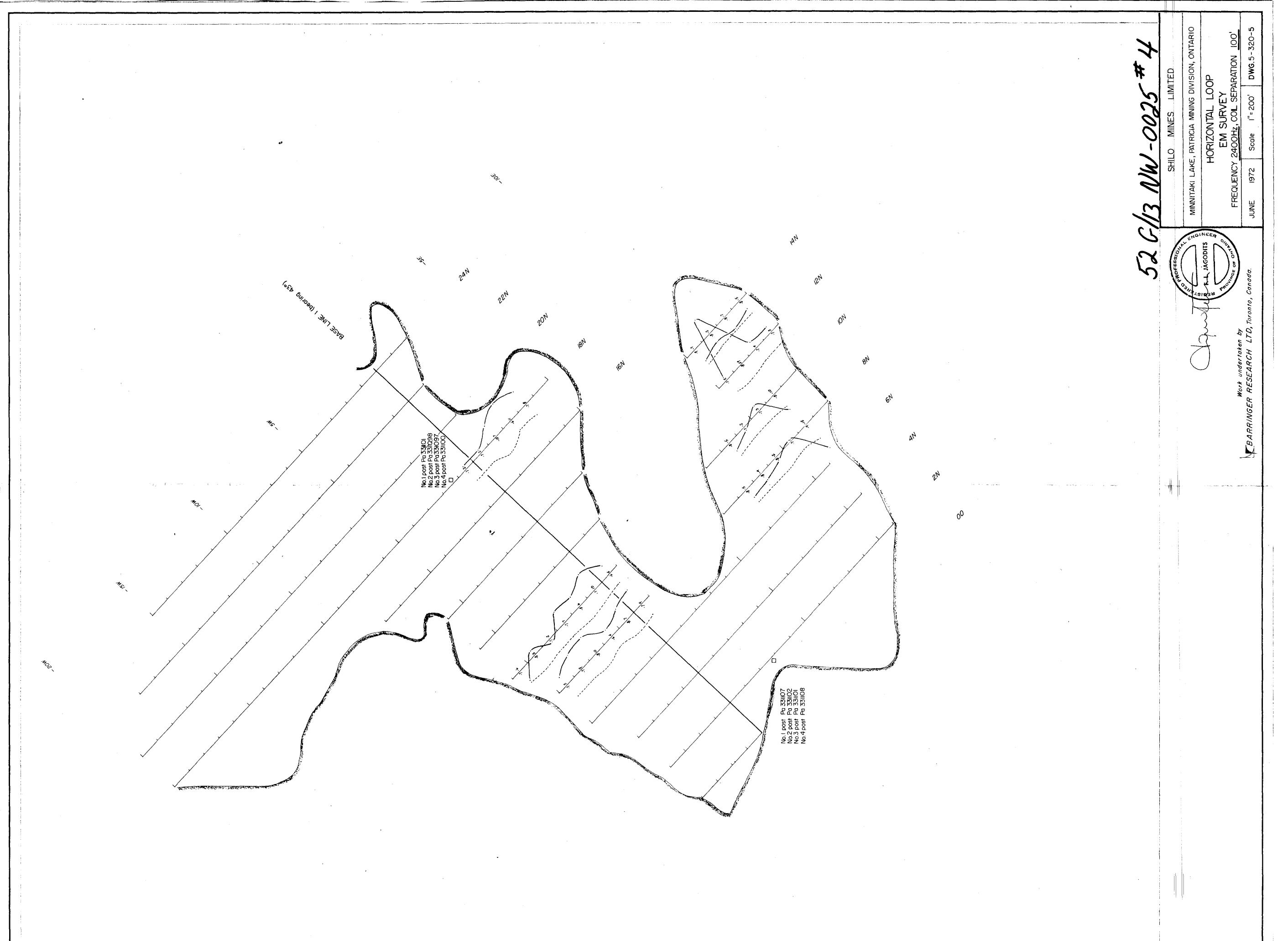
ан такжа на такжа жи стала на стала и стала и стала на наказата и рако стала на наказата стала на наказата стал

.

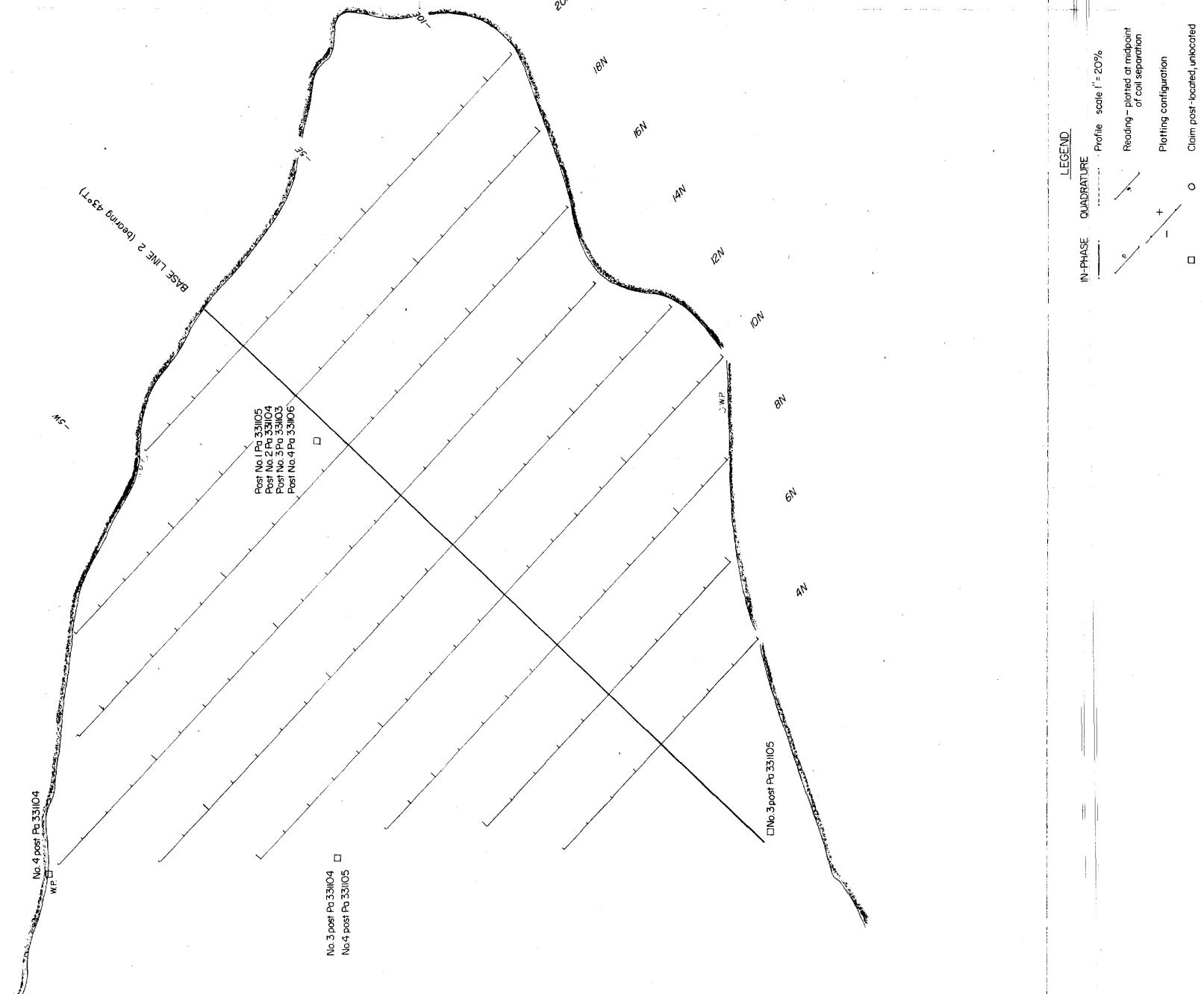
• x **1**.

.

. .



a para na mangana ang kana na k



S2G13NW0027 52G13NW0025 PADNES 1 AVE

•

٤

· · · .

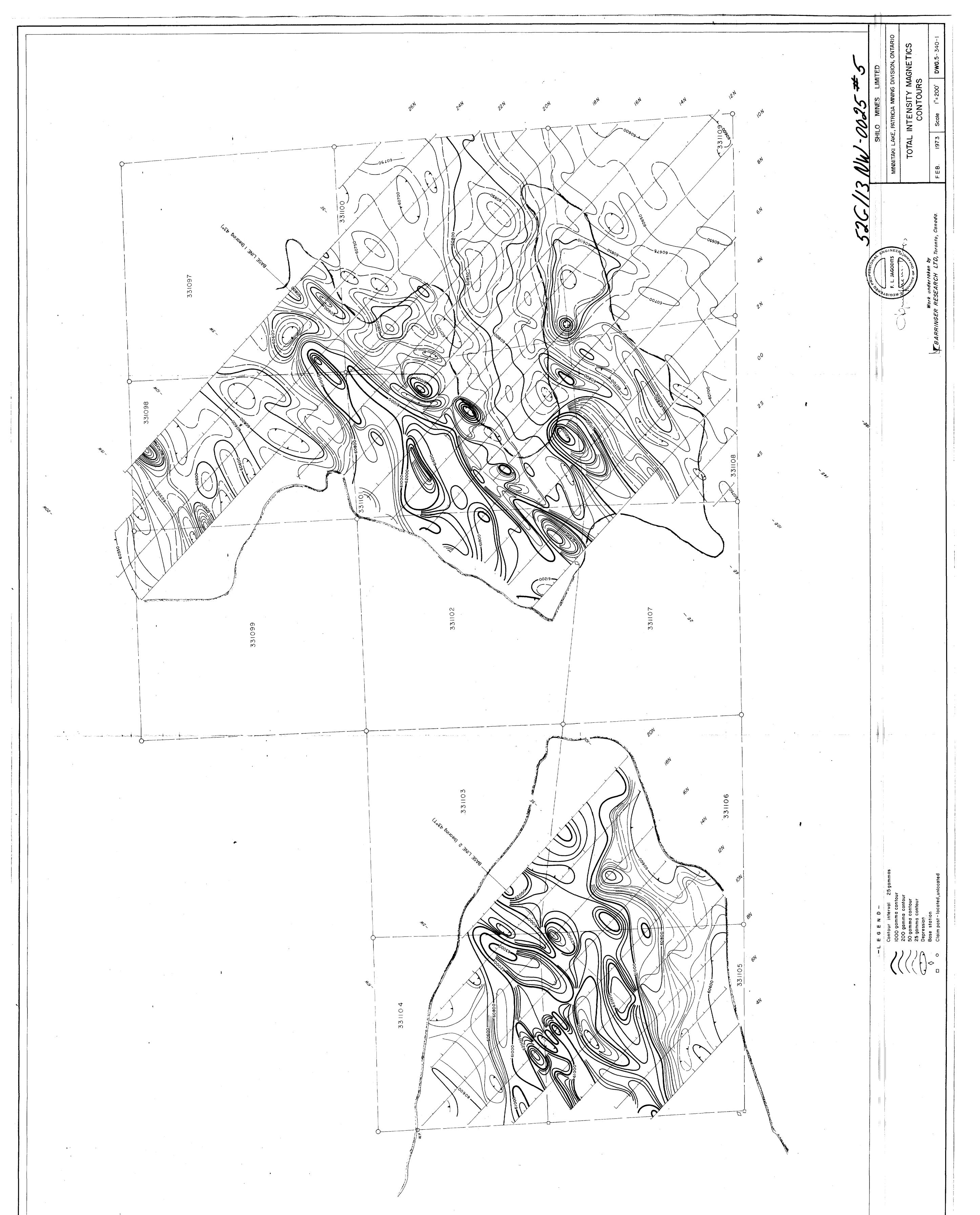
. • ι.

. .

• • 1

ø

.



S2G13NW9027 52G13NW0025 PARNES LAKE

840 040

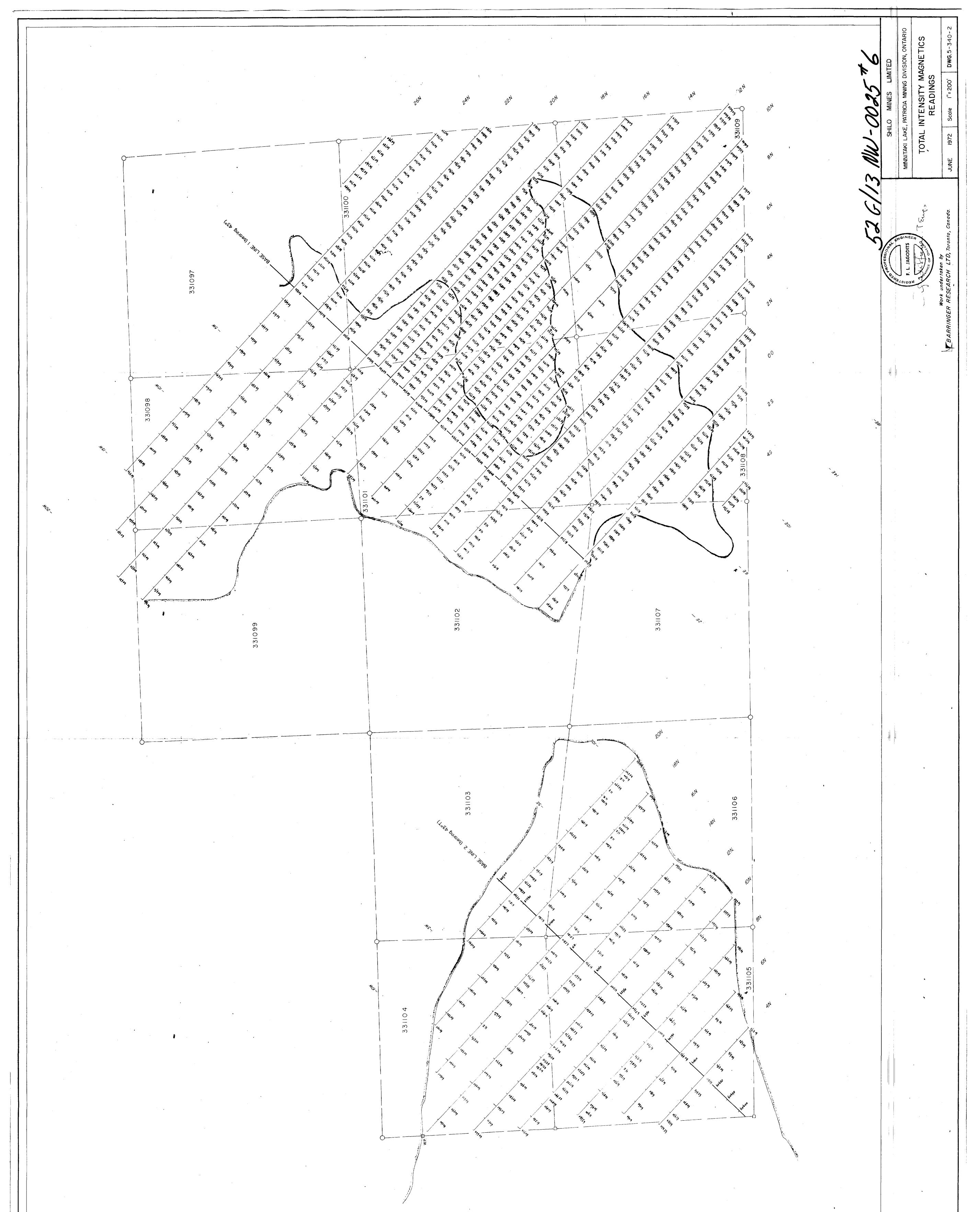
1

.

• ,

1

ġ.



. ţ • •

.



S2G13NW0027 S2G13NW0028 PARNES LAKE

260

• •

• • A.

•

.

• .

•

.

• . Ĭ .

•

· 1 •

.

•

•

•