



52N07SE0037

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2.4675

MINOREX LIMITED

1981 ASSESSMENT WORK REPORT

GEOLOGICAL MAPPING

SHABUMENI LAKE OPTION

Written by: Dominique Doucet

August 1981

RECEIVED

APR - 1 1982

MINING LANDS SECTION



52N07SE0037

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SHABUMENI LAKE OPTION

T A B L E O F C O N T E N T S

INTRODUCTION

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TOTAL AMOUNT OF EXPENDITURES

From: D. Doucet
Shabumeni Lake Field Crew

Date: 3 August 1981

To: Y. Peden
Exploration Geologist - Red Lake

SHABUMENI LAKE REPORT : Geology

INTRODUCTION

The Shabumeni Lake property is located on the east shore of Shabumeni Lake approximately 55 air miles ENE of Red Lake. Latitude 51.20'N Departure 92.38'W.

Ten claims numbered KRL 541162 to 541164, 526522, 526524 and 526525 to 526529 are owned by a consortium of Red Lake prospectors; A. Hager, A. Sanderson, J. Green and I. Tetlock. These claims are under option to Minorex Limited. A second group of 10 claims, numbered KRL 560850 to 560859 are owned by Minorex Limited.

A geological survey was carried out by the author from 20 May 1981 to 29 July 1981 inclusive. Assistance was rendered by M. Giroux, A. Clavet and A. Meilleur.

VLF electromagnetic and ground magnetometer surveys were also conducted on 400 foot spaced grid lines.

Access to Shabumeni Lake is possible by float equipped aircraft from Red Lake.

Forest harvesting is scheduled to commence in the area in the near future.

Topography is flat with the highest hill not exceeding 100'. This hill is located along the middle of the property, trending about 45 degrees. Parallel and east of this hill is a 300' swamp which is also linear. The east part of the property is low ground with scattered outcrops.

HISTORY AND PREVIOUS WORK

The O.G.S. assessment files report 2 airborne E.M., magnetometer and gamma ray spectrometer surveys near or over the property. Both were done in 1969 by Canadian Aero Minerals Surveys Ltd. The first survey was flown south of Kebek Lake for M.J. Boylen and exposed 4 small one

line anomalies. The second survey was commissioned by Falconbridge Nickel Mines Ltd. over the same ground covered by the present Minorex property. One conductor was located and assumed to be electrolyte-bearing clay at the bottom of Tiki Lake. No ground followup was recommended.

These companies were looking for base metal sulphide bodies associated with the metavolcanics. The author believes that these surveys would not detect the type of sulphide mineralization occurring in the quartz veins on the Shabumeni property.

Numerous trenches occur on the property and appear to be more than 20 years old. These were done by an unknown party. The trenches are distributed in three main areas.

GENERAL GEOLOGY AND STRATIGRAPHY

The Shabumeni property lies within the Uchi-Birch Lakes Metavolcanic sedimentary complex. The axis of a NE trending syncline passes west of the property, according to O.G.S. mapping. They also report a fault crossing the entire property from NW of Kebek Lake to the SE shore of Tiki Lake. This fault was confirmed by topographic and geological features observed on the ground by the author.

Many interbedded units were observed on the property and can be classified as follows:

- MAFIC VOLCANICS :Pillowed to massive flows
:Pyroclastics
- INTERMEDIATE VOLCANICS:Pyroclastics
- MAFIC INTRUSIVE ROCKS :Gabbro
:Diorite
- FELSIC INTRUSIVE ROCKS:Quartz Monzonite(Granite)

Mafic Volcanics: Pillowed to massive flows

Flows of andesitic(or basaltic) composition largely predominate the property. They are medium to dark green, fine grained and contains small amounts of quartz or calcite amygdules. Trace pyrite was also noted. This rock shows a moderate schistosity due to the alignment of chlorite grains. The pillows range in size from 15 to 175 cms. Some pillows have cherty rims indicating an environment of chert sedimentation. Top direction has been determined from pillow shape and packing to be east facing. Pillowed flows are mostly interbedded with mafic

pyroclastics. Some units have been defined as thin as 40'.

Mafic Volcanics: Pyroclastics

This rock type has a tan brown surface colour. Fragments range in size from 2 to 25 cm and are elongate or ellipsoidal in shape. The width is about $\frac{1}{4}$ of the length. Fragment elongation (50 degrees) is not parallel to bedding (34 degrees). The fragments have a positive relief on the outcrop surface. Agglomerate contains from 1 to 70% fragments which are more felsic than the matrix. The matrix is tan to green in colour and fine grained. Some fragments contain up to 30% quartz eyes (amygdules). Only trace pyrite was detected. The unit is weakly carbonate altered but some layers which are strongly sheared contain more carbonate.

Intermediate Volcanics: Pyroclastics

One unit of intermediate pyroclastics lies in the south west part of the property. This unit, at least 1500' wide, continues on the west side under Shabumeni Lake and on the east side to the contact with the pillowed flows. Pyroclastic fragments from lapilli tuff to agglomerate were seen. The matrix is light grey to medium green, fine grained and very hard. The composition becomes chloritic and carbonate altered in sheared areas. The fragments vary in size from 2mm to 20 cm. Both matrix and fragments contain chlorite fragments up to 4mm as a result of the regional metamorphism. The fragments are light buff in colour. The tuff does not show bedding and looks similar to a porphyritic flow.

Intrusive Rocks

Felsic and mafic appear on the property as intrusives. The most important are the gabbro and the quartz monzonite (granite).

Two stocks of gabbro are within the claim group. The first has dimensions of 1500' X 600' and is located near the lakeshore between L16S and L4S. The second stock is 1800' X 200' and located between L8S and L24S trending along the baseline.

The gabbro is dark green and varies from fine to coarse grained. The weathered surface shows some evidence for differentiation due to hornblende settling. The rock shows a homogenous moderate magnetic attraction and some trace pyrite.

Each gabbro stock contains a quartz monzonite core. The author feels that the two felsic plugs are of the same origin as the gabbro.

The difference in composition may be due to a different grade of iron carbonate - sericite alteration and/or amount of quartz veining.

Many small dikes were found on the west side of Alain Swamp (the surface expression of the fault). These were less than 60 cm wide and varying from lamprophyre to quartz monzonite in composition.

Many feldspar porphyritic felsic dikes appear on the east side of the property. These are small, concordant to bedding and less than 1m in width. The dikes are fine grained, grey, hard and contain up to 30% plagioclase phenocrysts (less than 3mm in size). Trace sulphides were detected.

Small felsic dikes in the gabbro stock indicate that the felsic intrusions are younger than the gabbro. (13+30s 1+80w) Felsic dikes also show gabbro xenoliths. (4+50s 8+60w)

MINERALIZATION

Numerous quartz veins appear on the property, west of Alain Swamp. Their widths range from 3 cm to 1 m. At the time of writing all assays had not been returned.

Veins have various strikes and some outcrops show small crosscutting veinlets indicating two or more periods of quartz veining. Many veins have sulphide mineralization and carry gold and silver assays. The mineralized veins are located in the west central part of the property between L16S and L12N west of the baseline. They have strikes varying from 30 to 60 degrees and dip steeply to the east. They may be related to the shearing and are probably of the first generation of quartz veining. Ninety grab samples were collected by the author and assayed for gold and silver. Samples were numbered SL-1 to SL-60, SL-3029 to SL-3055 SL-00 and SLT-1. The results are appended.

Three old trench zones are on the property

The first zone is composed of 10 trenches and is the "Main Showing" The second has 5 trenches and the third has 6 trenches.

Zone #1 L8N 5+00W)

This showing is principally composed of ten trenches running perpendicular to 2 major quartz veins numbered 1 and 2 on the attached sketch. Fourteen grab samples were taken. Vein 1 is 200' long and has an average width of 60 cm. Strike is 43 and dips 70 east. This vein is mostly barren with some trace to minor pyrite on the contacts. Pyrite and chalcopyrite mineralization increases to the north and assays show

a proportional increase in gold content.

Vein 2 is 120' long and about 60 cm wide. It is parallel to Vein 1. The vein contains more pyrite, chalcopyrite and malachite. Gold values were also higher. In trench 7 the vein contains a disseminated layer of sulphides (30% pyrite, 2% chalcopyrite) for at least 10'. A grab sample from this band gave 0.73 o/T Au and 1.05 o/T Ag.

The main showing continues to the south east of the 2 major quartz veins with smaller veins. Two more 20 cm veins have an approximate length of 50'. A grab sample from one of these veins assayed 1.75 o/T Au and 2.72 o/T Ag.

The wallrock of these veins is a sheared, weakly carbonated mafic rock. Pillows occur on the south east part of this outcrop. Gabbro occurs on the west end of trench 2 but poor exposure and lack of outcrop near the showing does not permit determining whether this is a dike or an extension of the gabbro stock located between 14S and 16S.

At the time of this writing, a company crew is stripping the main showing to permit detailed sampling and mapping at a scale of 1"=5'. This will also permit evaluation of the importance of the relationship between the gabbro and the mineralized quartz veins

Zone #2 14+00S 12+00W

This zone has 5 trenches and some partial blastings. It is located on the edge of the quartz monzonite plug in the gabbro stock, between 112S and 116S at 11+00W. Many quartz veinlets in the felsic intrusive gives it a more felsic appearance than its true composition. This rock has iron carbonate, sericite alteration and contains traces of pyrite and trace gold assays. Two trenches in the north end of the plug give good exposure, crosscutting a 60 cm by 8 m quartz vein. This vein is mostly barren but contains scattered spots of sulphide mineralization. This vein assayed 0.02 o/T Au.

Three assays of another vein (20 cm) located at 15+85S 10+90W gave 0.05, 0.03 and trace respectively.

The best assays from zone 2 are 0.30 and 0.87 o/T Au from a blasted block of the quartz vein. The mafic host rock of this vein gives 0.01 and 0.25 o/T Au but it was impossible to find the vein as it was probably

all blasted. Poor exposure and lack of outcrop does not permit further description of this zone at this time.

Zone 3 L4N 13+40W

This zone is comprised of several overburden trenches which do not expose the outcrop well. Only a 3 foot long edge of a 1 foot quartz vein is visible. A 2 foot channel sample in the vein and the wallrock gives an assay of 0.02 o/T Au. A grab sample of the vein having minor chalcopyrite and malachite gives a nil assay. The host rock is intermediate agglomerate. Other samples of quartz veins in the area were also taken.

Other Trenches

A few other trenches are located near L12N 5+00W on strike with the main showing but do not indicate significant mineralization or quartz veining.

An isolated trench is located on L00 9+60W and shows a blasted vein striking 35 degrees and dipping 70 degrees east. It is 50 cm wide and 5 m long in a mafic, weakly carbonated and sheared rock. This rusty vein contains up to 40% euhedral pyrite (3mm to 2cm) and 15% chloritic material. There are several other smaller parallel quartz veins. The host rock is interpreted to be mafic pillowed flows. A grab sample of this vein gave 0.08 o/T Au. This vein is isolated and it doesn't seem to have any continuity, but like all other favourable spots there is a lack of outcrop.

New Mineralized Areas

Several other mineralized quartz veins were located during the course of the survey. These are all in the west central half of the property.

The first vein discovered by the 1981 field crew was called "Iceberg". It is located at 4+75S 8+50W and is a band, 2 m X 18 m, of sheared, soft chloritic, weakly carbonated material. The band contains 2 parallel quartz veins and many other quartz veins and lenses. These are mostly rusty indicating the presence of sulphide mineralization. The first vein is 5 to 30 cm wide and 10 m long. The second vein (possibly an extension of the first vein) is 20 to 60 cm wide and is approximately 8 m long, but disappears under overburden. These veins strike 53 degrees and dip 80 degrees to the east. A grab sample of the wide section of the larger vein assayed 0.04 o/T Au. The author believes better assays will be returned in the areas of the vein with more sulphides. This outcrop is in or near the first gabbro stock. Small pink felsic dikes are present in the gabbro on the west and south west part of the outcrop.

The second showing discovered by the author was named "Snake" and is located at L00 8+90W. This showing is composed of 2 small quartz veins in a sheared, soft, chloritic, weakly carbonated rock. They are beside a 40 cm quartz diorite(gabbro) dike. This dike is trending 75 degrees and has sharp contacts with the sheared rock(mafic pillowed flow). It contains small quartz veinlets striking 160 degrees, tension gashes, and black quartz veinlets.

The first quartz vein at the "Snake" has a strike between 40 and 50 degrees and a maximum width of 15 cm. Five m of exposed strike were examined and the vein disappears under overburden at the south end. This vein has spots of iron staining and minor pyrite mineralization on the contacts. Two grab samples from this location gave 0.35 o/T Au and 0.65 o/T Au.

The second vein located 15m from the first one(near the dike) is smaller with a maximum width of 10 cm. It is striking 57 degrees. A grab sample of this vein with minor pyrite and chalcopryrite gives 0.24 o/T Au. It is interesting to note that gabbro also occurs near this vein but poor exposure does not permit further investigation.

The third major mineralized vein detected by the 1981 field crew was named "Clap" vein. It is located at L8S 2+00W and is composed of 2 small but continuous rusty quartz veins in pillowed flows. The first one is 10 cm wide and 17 m long and contains pyrite in 1 mm layers. Chalcopryrite and malachite were also noted. It strikes 60 degrees. Three grab samples each 15 feet apart gave 0.44, 0.18, and 0.08 o/T Au. A small vein was found near this but was obscured by overburden.

The second vein is similar to the first but it strikes 54 degrees with a vertical dip. The host rock is pillow breccia and the vein gave an assay of 0.11 o/T Au.

Three bigger veins were found within 90 m of the "Clap" vein. They are also hosted by pillowed flows. Assays have not been returned at this writing.

It should be noted that no gabbro or sheared material was observed near the "Clap" vein.

The last mineralized zone uncovered by the author is near the second quartz monzonite plug located in the gabbro stock between L12S

and L16S at 1+00W. This plug has, at some places, a strong iron carbonate-epidote alteration and contains up to 10% pyrite mineralization. Only a few quartz veinlets appear in this plug and poor outcrop exposure does not permit further observations. Assay results are pending.

GEOPHYSICS

VLF ELECTROMAGNETIC SURVEY

This survey was carried out using a Crone Radem VLF receiver. Readings were taken at 50 foot intervals along cut lines spaced 400 feet apart. The baseline was trending 040 degrees and the transmitting station was Seattle, Washington. The data was Fraser filtered.

The strongest anomaly is due to a power line crossing the entire property. The second anomaly is along the linear swamp between Tiki and Kebek Lakes. The last anomaly is located between L4S and L24S at 9+00W and corresponds with the edge of the gabbro stock. The anomaly extends beyond the edge of the stock to the north and south and has no geologic correlation.

CONCLUSIONS AND RECOMMENDATIONS

Mineralization encountered during the geological survey prove the high economic potential of this property. The detailed sampling and mapping program on the main vein is being initiated at the time of this writing. This will give excellent indications about the distribution of gold in the quartz veins and the wallrock. This detailing should extend to the Iceberg, Snake and Clap veins to determine continuity of the mineralization.

If the mineralization is related to the gabbro, as suspected by the author, it should be noted that these bodies have a magnetic "signature". The airborne magnetic surveys on file with the O.G.S. (assessment #63.2786) delineate exactly the location of the 2 gabbro bodies described in this report. A third, as yet undetected, stock might lie at the north edge of the property according to the airborne data. These gabbro stocks are probably localized along the major fault that extends through the middle of the property. Further exploration should be concentrated on following this favourable structure up strike.

As for the present property, results of the detail sampling should be studied with the thought of initiating a rigorous diamond drilling program to test vertical continuity. At present, target priorities should be as follows:

- 1/ Main Vein
- 2/ Iceberg Showing
- 3/ Area between the Snake and Iceberg Showings
- 4/ Snake Showing
- 5/ Clap Vein

This drilling should be initiated only if continuity can be proven in surface sampling.

TOTAL AMOUNT OF EXPENDITURES

Claim acquisition (staking, option payments)	\$ 9,100
Linecutting	\$ 4,000
Geophysics (Mag, VLF, rentals and salaries)	\$ 3,586
Geology (salaries)	\$ 6,287
Labourers (sampling, stripping)	\$ 6,181
Assays	\$ 4,030
Overhead	\$14,756
	<hr/>
Total:	\$47,940

Dominique Dancet
Per: Richard Maurice
Chief Geologist



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

Type of Survey(s) GEOLOGICAL MAPPING
Township or Area SHABUMENI LAKE
Claim Holder(s) MINOREX LIMITED

Survey Company MINOREX LIMITED
Author of Report Denis Bray
Address of Author 87 Smith Street, Thetford-Mines, Quebec
Covering Dates of Survey May-September 1981 G6G 3M3
(linecutting to office)
Total Miles of Line Cut _____

**SPECIAL PROVISIONS
CREDITS REQUESTED**

DAYS
per claim

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

ENTER 20 days for each
additional survey using
same grid.

Geophysical
-Electromagnetic _____
-Magnetometer _____
-Radiometric _____
-Other _____
Geological 20
Geochemical _____

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

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

DATE: Mch. 26, 1982 SIGNATURE: Denis Bray
Author of Report or Agent

Res. Geol. _____ Qualifications a23055

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

KRL	560858
(prefix)	(number)
KRL	560857
KRL	560856
KRL	560855
KRL	560854
KRL	560853
KRL	560852
KRL	560851
KRL	560850
KRL	541163
KRL	541162
KRL	526529
KRL	526527
KRL	526526
KRL	526525
KRL	526524
KRL	526522

If space insufficient, attach list

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APR - 1 - 1982

MINING CLAIMS TRAVERSED

TOTAL CLAIMS 17

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations _____ Number of Readings _____
Station interval _____ Line spacing _____
Profile scale _____
Contour interval _____

MAGNETIC

Instrument _____
Accuracy - Scale constant _____
Diurnal correction method _____
Base Station check-in interval (hours) _____
Base Station location and value _____

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 _____

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

Corrections made _____

RADIOMETRIC

Instrument _____

Values measured _____

Energy windows (levels) _____

Height of instrument _____ Background Count _____

Size of detector _____

Overburden _____
(type, depth - include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey _____

Instrument _____

Accuracy _____

Parameters measured _____

Additional information (for understanding results) _____

AIRBORNE SURVEYS

Type of survey(s) _____

Instrument(s) _____
(specify for each type of survey)

Accuracy _____
(specify for each type of survey)

Aircraft used _____

Sensor altitude _____

Navigation and flight path recovery method _____

Aircraft altitude _____ Line Spacing _____

Miles flown over total area _____ Over claims only _____

GEOCHEMICAL SURVEY – PROCEDURE RECORD

Numbers of claims from which samples taken _____

Total Number of Samples _____

Type of Sample _____
(Nature of Material)

Average Sample Weight _____

Method of Collection _____

Soil Horizon Sampled _____

Horizon Development _____

Sample Depth _____

Terrain _____

Drainage Development _____

Estimated Range of Overburden Thickness _____

SAMPLE PREPARATION
(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis _____

General _____

ANALYTICAL METHODS

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

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

Others _____

Field Analysis (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Field Laboratory Analysis

No. (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Commercial Laboratory (_____ tests)

Name of Laboratory _____

Extraction Method _____

Analytical Method _____

Reagents Used _____

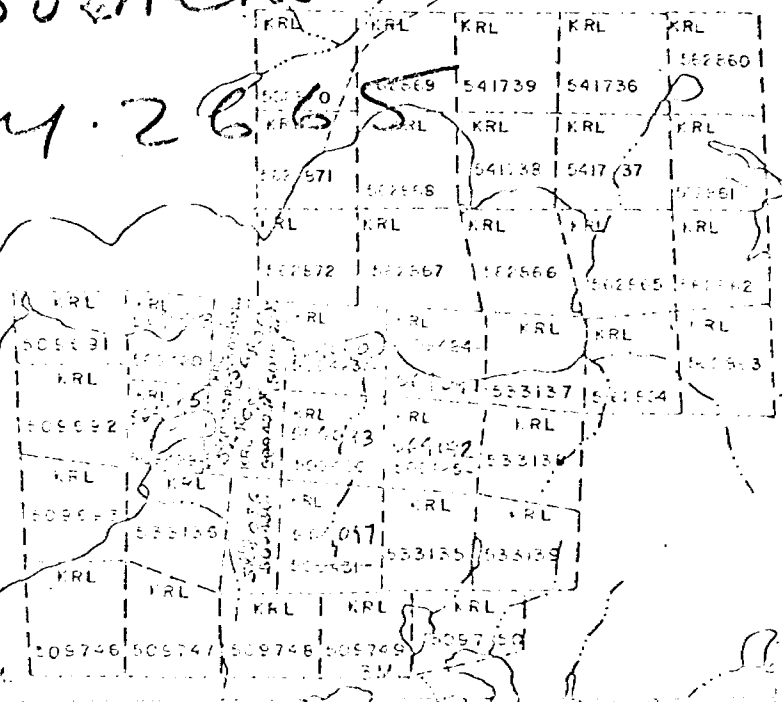
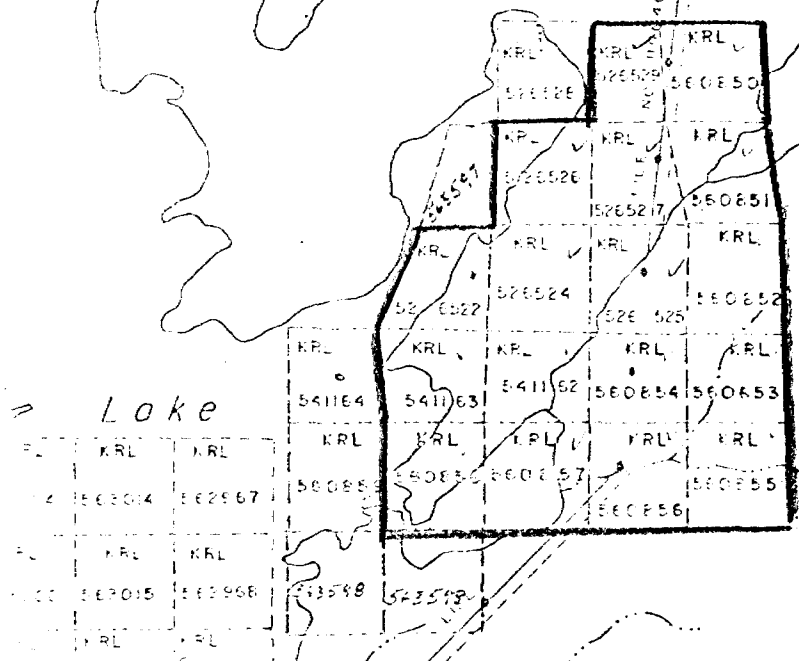
General _____

29

Lake

Shabumeni Lake

M. 2665



Shabin

1983 05 25

Recorded Holder	MINOREX LIMITED
Township or Area	SHABUMENI LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Section 86 (18) _____ days Geological <u>20</u> days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/> <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant. <p style="text-align: center;">77(16)</p>	<p style="text-align: center;">KRL 560850 to 56 inclusive</p> <p style="text-align: center;">541162</p> <p style="text-align: center;">526524 to 25</p> <p style="text-align: center;">526527 to 29</p>

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

For Geological work:				
<u>KRL 560857</u>	<u>KRL 560858</u>	<u>KRL 541163</u>	<u>KRL 526522</u>	<u>KRL 526526</u>
5 days credit	15 days credit	10 days credit	10 days credit	10 days credit

No credits have been allowed for the following mining claims

<input type="checkbox"/> not sufficiently covered by the survey	<input type="checkbox"/> Insufficient technical data filed
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The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 86(18)-60:

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Mr. Albert Scott Rivett
Mining Recorder
Ministry of Natural Resources
Ontario Government Building
Box 324
Red Lake, Ontario
POV 2M0

Dear Sir:

RE: Geological Survey on Mining Claims KRL 560858 et al
in the Area of Shabumeni Lake

The Geological Survey assessment work credits as listed with
my Notice of Intent date May 25, 1983 have been approved as
of the above date.

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

Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416) 965-1380

D. Kinvig:mc

cc: Minorex Limited
Shabumeni Lake Area

cc: Resident Geologist
Red Lake, Ontario



Ministry of
Natural
Resources

Ontario

June 15/83

Your file:

1983 05 25

Our file:

2.4675

Mr. Albert Scott Rivett
Mining Recorder
Ministry of Natural Resources
Ontario Government Building
Box 324
Red Lake, Ontario
POV 2M0

Dear Sir:

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

Yours very truly,

E.F. Anderson
Director
Lands Administration Branch
Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1316

**For further information, if required,
please contact Mr. F.W. Matthews at
416/965-1380**

D. Kinvig/mc
Encl.

cc: Minorex Limited
Shabumenf Lake Area

cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario



Ministry of
Natural
Resources

Ontario

Notice of Intent
for Technical Reports

1983 05 25
2.4675

An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on his record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

If you are of the opinion that these changes by the mining recorder will jeopardize your claims, you may during the next fifteen days apply to the Mining and Lands Commissioner for an extension of time. Abstracts should be sent with your application.

If the reduced rate of credits does not jeopardize the status of the claims then you need not seek relief from the Mining and Lands Commissioner and this Notice of Intent may be disregarded.

If your survey was submitted and assessed under the "Special Provision-Performance and Coverage" method and you are of the opinion that a re-appraisal under the "Man-days" method would result in the approval of a greater number of days credit per claim, you may, within the said fifteen day period, submit assessment work breakdowns listing the employees names, addresses and the dates and hours they worked. The new work breakdowns should be submitted direct to the Lands Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.



Ontario

29 - 82

Ministry of
Natural
Resources

Notification of recording
of assessment work credits

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

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JAN - 4 1983

MINING LANDS SECTION

Date of recording of work: April 25, 1982

Recorded holder: Minorex Limited

Address: P.O. Box 7, Thetford Mines, P.Q. G6G 5R9

Township or Area: M-2665, Shabumeni Lake

Type of survey and number of Assessment days credit per claim	Mining claims
Geophysical	KRL.560850 - 858 incl., KRL.541162-541163 incl. 526522-24-25-26-27-29.
Electromagnetic _____ days	
Magnetometer _____ days	
Radiometric _____ days	
Induced polarization _____ days	
Section 86 (18) _____ days	
Geological <u>20</u> days	
Geochemical _____ days	
Man days <input checked="" type="checkbox"/> Airborne <input type="checkbox"/>	
Special provision <input type="checkbox"/> Ground <input checked="" type="checkbox"/>	

Notice to recorded holder:

- Survey reports and maps in duplicate be submitted to the Lands Administration Branch, Toronto within 60 days from the date of recording of this work.
- Reports and maps are being forwarded to the Lands Administration Branch with this letter.


Mining recorder

c.c.
Minorex Limited
P.O. Box 7, Thetford Mines, P.Q.

29675



TÉLEX: 05-25582
CÂBLE: "AMASCOLIM"
TÉLÉPHONE: (418) 335-9171

SOCIÉTÉ ASBESTOS LIMITÉE

BUREAU DES OPÉRATIONS: 835 RUE MOONEY
C.P. 9, THETFORD MINES, QUÉBEC, CANADA, G6G 5S1

March 24, 1983

Mr. E.F. Anderson
Director
Land Management Branch
Ministry of Natural Resources
Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3

RECEIVED

MAR 29 1983

MINING LANDS SECTION

Dear Sir:

In reply to your letter dated March 2, 1983 regarding the geological survey submitted on mining claims KRL 560858 et al in the area of Shabumeni Lake, please find enclosed the information and corrections as required previously.

Since MM. Dominique Doucet, who made the survey, and Denis Bray, who supervised it, are no longer with Minorex Ltd, it was necessary for me to sign the final page of the report on behalf of Mr. Doucet. Hoping that all the documents meet your approval, I remain,

Yours very truly,

Richard Maurice, P.Eng.
Chief Geologist

RM/dll

RECEIVED	
Land Management Branch	
CIRCULAR	10
COMMUNICATIONS	
BY	
MAR 29 1983	
E. F. ANDERSON	
J. R. MOONEY	
J. C. SMITH	✓
G. SHERRATT	
J. M. SMITH	
RETURN TO KRL 560858	

March 24, 1983

RESUME OF MR. DOMINIQUE DOUCET'S QUALIFICATIONS

At the time of the survey of the Shabumani Lake area in the summer 1981, Mr. Doucet had completed his 3rd year in Geology at Ecole Polytechnique, in Montreal, Quebec.

His previous experience can be summarized as follows:

<u>Period</u>	<u>Firm</u>	<u>Task</u>
Summer 1977	Long Lac Mineral Expl. Ltd.	Geophysical survey
Summer 1978	Long Lac Mineral Expl. Ltd.	Geophysical survey
Summer 1979	Long Lac Mineral Expl. Ltd.	Geological survey
Summer 1980	Long Lac Mineral Expl. Ltd.	Geological survey



Richard Maurice, P.Eng.
Chief Geologist
Société Asbestos Limitée
Thetford-Mines

1983 03 02

2.4675

Minorex Limited
P.O. Box 7
Thetford Mines, Quebec
G6G 5R9

Attention: Mr. Denis Bray

Dear Sir:

RE: Geological Survey submitted on Mining Claims
KRL 560858 et al in the Area of Shabumeni Lake

Enclosed are the plans and final page of the report in duplicate, for the above mentioned survey. In order to complete your submission we require the following:

- a) final page of the report, signed;
- b) colour plans;
- c) show key map on plans;
- d) provide a brief resume of Dominique Doucet's qualifications for our records.

For further information, please contact Mr. F.W. Matthews at 416/965-1380.

Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone 416/965-1380

A. Barr:jh
Encls.

cc: Mining Recorder
Red Lake, Ontario



Jan 11/83

Mining Lands Comments

~~no need to return~~ no qualifications

- report not signed ✓
- no key map ✓
- color not colored
- no overburden - much outcrop of swamp shown on map; let it go

To: Geophysics

Comments

Approved Wish to see again with corrections Date Signature

To: Geology - Expenditures *Min Kustra*

Comments

request that only SHABUMENI CLAIM GROUP map be colored.

I don't need to see again

Approved Wish to see again with corrections Date *Jan 11/83* Signature *CKustra*

To: Geochemistry

Comments

Ⓛ

Approved Wish to see again with corrections Date Signature

1982 04 13

2.4675

Mining Recorder
Ministry of Natural Resources
4 Government Road East
P.O. Box 984
Kirkland Lake, Ontario
P2N 1A2

Dear Sir:

We have received reports and maps for a Geological Survey submitted under Special Provisions (credit for Performance and Coverage) on Mining Claims KRL 560858 et al in the Area of Shabumeni Lake.

This material will be examined and assessed and a statement of assessment work credits will be issued.

Yours very truly,

E.F. Anderson
Director
Land Management Branch

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

J. Skura/anc

cc: Minorex Limited
Thetford Mines, Quebec
Attn: Denis Bray

RECEIVED

MINOREX LIMITED

APR - 1 1982

(WHOLLY OWNED SUBSIDIARY OF ASBESTOS CORPORATION LIMITED)

P.O. BOX 7
THETFORD MINES, QUE.

CANADA
G6G 5R9

MINING LANDS DIVISION

Thetford-Mines, Que.
March 24, 1982

Ministry of Natural Resources
Land Management Branch
Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3

ATT: Mr. E.F. Anderson - Director

Dear Sir:

Enclosed are technical reports for assessment work credits on the following properties held by Minorex Limited.

(a) Kapakita Creek Property
Grenfell Township, Larder Lake Mining Division

Claims #: L545599 and 600
L545609 and 610
L545619 to 621 incl.
L550419 to 423 incl.
L617446 to 454 incl.

to which a geological, VLF, linecutting, magnetic and geochemical survey is filed in.

A technical report of work and a complete set of maps, in duplicate, are included as required by the Mining Act.

(b) Shabumeni Lake Property
Claim Map M-2665 - Red Lake Mining Division, to which a geological survey is filed in for assessment work credits to claims #:-

KRL560850 to 858 incl.
KRL560522
KRL560524 to 529 incl.
KRL541162 to 164 incl.
KRL563597 to 599 incl.

The technical report and maps, in duplicate, are included as required by the Mining Act.

...../2

To: Mr. E.F. Anderson
March 24, 1982
Page 2

(c) Woman Lake Property
Goodall Township, Red Lake Mining Division, to which a VLF
electromagnetic survey is filed in for assessment work credits
to claims #:-

KRL509730 to 739 incl.
KRL526681 to 687 incl.
KRL540813 to 818 incl.
KRL541219 to 239 incl.
KRL541241 and 242
KRL541244 to 255 incl.

The technical report and maps, in duplicate, are included as
required by the Mining Act.

I hope that everything is to your entire satisfaction.

Yours truly,



Denis Bray
Senior Exploration Geologist

MINOREX LIMITED

DB/lt
Enclosures



Ministry of
Natural
Resources

SHABUMENI LAKE

GEOLOGICAL #29

M.2665

F.W.M

A separate form is required for each type of work to be recorded.

THE MINING ACT REPORT OF WORK

To the Recorder of RED LAKE Mining Division

I, MINOREX LIMITED T-828

name of Recorded Holder Prospector's Licence

P.O. Box 7 - Thetford-Mines, Quebec G6G 5R9

Post Office Address

do hereby report the performance of 28 340 days of Geological Mapping type of work

not before reported to be applied on the following contiguous claims

Claim No.	Days	Claim No.	Days	Claim No.	Days
KRL560858	20	KRL560852	20	KRL526527	20
KRL560857	20	KRL560851	20	KRL526526	20
KRL560856	20	KRL560850	20	KRL526525	20
KRL560855	20	KRL541163	20	KRL526524	20
KRL560854	20	KRL541162	20	KRL560522	20
KRL560853	20	KRL526529	20		

All the work was performed on Mining Claim (s) ALL THE CLAIMS
(In the case of geological and/or geophysical survey (s) where more than 18 claims are involved attach a schedule)

READ CAREFULLY: THE FOLLOWING INFORMATION IS REQUIRED BY THE MINING RECORDER.

- For Manual Work, Stripping or Opening up of Mines, Sinking Shafts or Other Actual Mining Operations - Names and addresses of the men who performed the work and the dates and hours of their employment.
- For Diamond and other Core Drilling - Footage, No. and angle of holes and diameter of core. Name and address of owner or operator of drill. Dates when drilling was done. Signed core log and sketch in duplicate.
- For Compressed Air or Other Power Driven or Mechanical Equipment - Type of drill or equipment. Names and addresses of men engaged in operating equipment and the dates and hours of their employment.
- For Power Stripping - Type of equipment. Name and address of owner or operator. Amount expended. Dates on which work was done. Proof of actual cost must be submitted within 30 days of recording.
- With each of the above types of work sketches are required to show the location and extent of the work in relation to the nearest claim post. In the case of diamond or other core drilling the sketch must be submitted in duplicate.
- For Geophysical, Geological, Geochemical Surveys and Expenditure Credits - the name of author of report. Covering dates of survey (linecutting & office). Type of instrument used. Total amount of expenditure. Technical reports, maps, expenditure breakdown, receipts must be filed in duplicate with the Minister within 60 days of recording.
- For Land Survey - the name and address of Ontario Land surveyor.

The Required Information is as Follows: (Attach a list if this space is insufficient)

RECORDED
APR 2 1982
A.M.
7:18

Special Provisions Credits Requested

Report written by Denis Bray and Dominique Doucet
Geology survey and office work were performed between May-September 1981.
Total amount of expenditures: (see attached report)

Included in duplicate: Geology Map 2317-Ont-61 and Technical Report

Date March 26, 1982

Signature of Recorded Holder or Agent

The Mining Act
Certificate Verifying Report of Work

I, Denis Bray of 87 Smith Street, Thetford-Mines, Province of Quebec G6G 3M3

(Post Office Address)

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 some during and/or after its completion.
- That the annexed report is true.

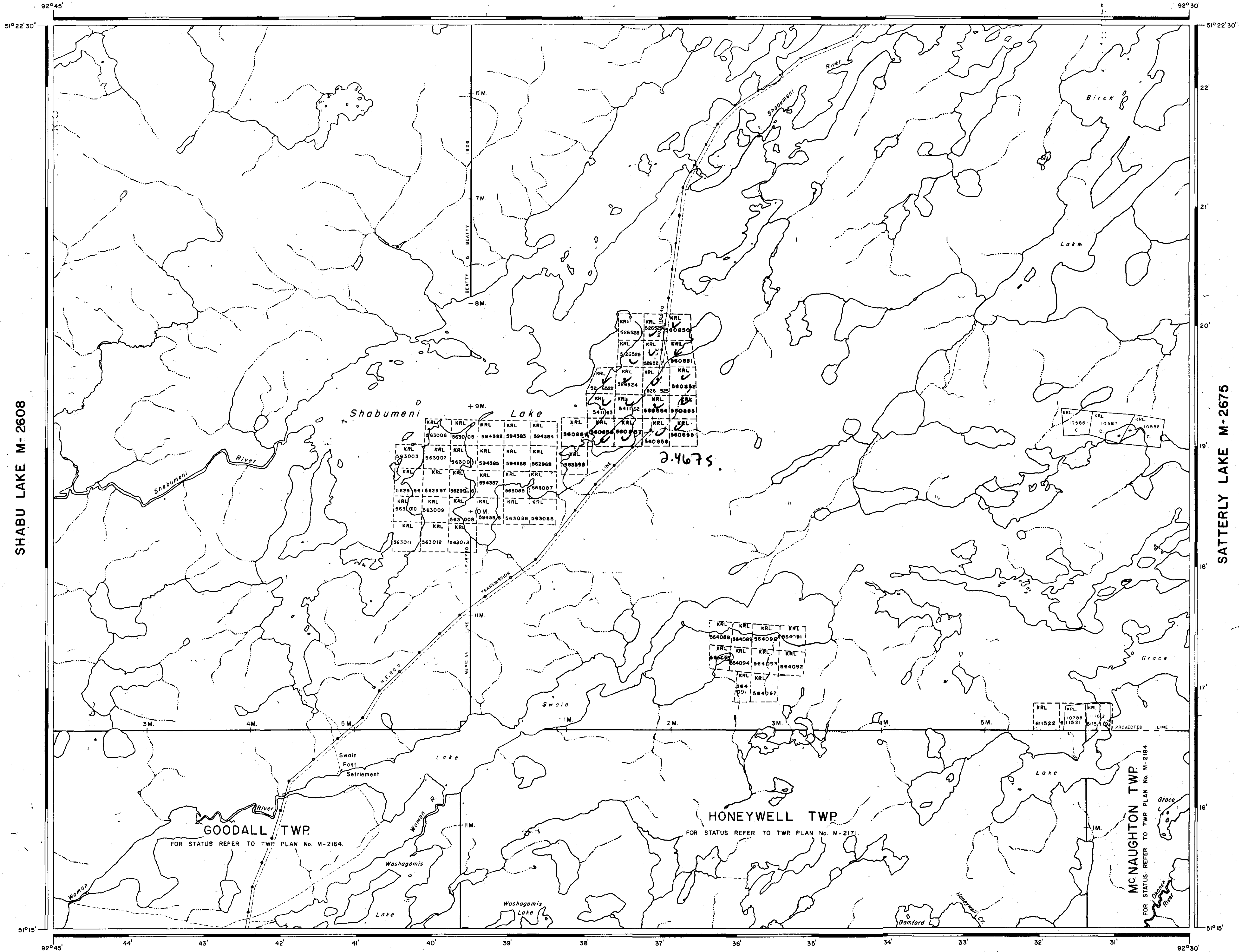
Dated March 26, 1982

Signature

KRL 526527

THE PENALTY FOR MAKING A FALSE STATEMENT IN THIS REPORT AND/OR CERTIFICATE IS \$500. OR SIX MONTHS IMPRISONMENT OR BOTH

LITTLE SHABUMENI LAKE M-2649



AREA OF
SHABUMENI LAKE
 DISTRICT OF
 KENORA
 PATRICIA PORTION
 RED LAKE
 MINING DIVISION
 SCALE: 1-INCH = 40 CHAINS

LEGEND

PATENTED LAND	⊗
CROWN LAND SALE	C.S.
LEASES	⊙
LOCATED LAND	⊕
LICENSE OF OCCUPATION	L.O.
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	S.R.O.
ROADS	—
IMPROVED ROADS	—
KING'S HIGHWAYS	—
RAILWAYS	—
POWER LINES	—
MARSH OR MUSKEG	—
MINES	—
CANCELLED	—

NOTES
 400' Surface Rights Reservation
 around all Lakes and Rivers.

DATE OF ISSUE
JAN 20 1983
 Ministry of Natural Resources
 TORONTO



PLAN NO. **M-2665**

ONTARIO
 MINISTRY OF NATURAL RESOURCES
 SURVEYS AND MAPPING BRANCH

SHABU LAKE M-2608

SATTERLY LAKE M-2675

GOODALL TWP.
 FOR STATUS REFER TO TWP PLAN No. M-2164.

HONEYWELL TWP.
 FOR STATUS REFER TO TWP PLAN No. M-217.

MCNAUGHTON TWP.
 FOR STATUS REFER TO TWP PLAN No. M-2184.

24675.

SHABUMENI
LAKE

541164

563597

526528

560859

526522

526526

541163

526529

POPLAR, JACK PINE

563598

560858

526524

BOULDER TILL

560850

563599

541162

ALAIN SWAMP

526525

560851

KÉBEC
LAKE

560854

SPRUCE
BOG

560852

TIKI
LAKE

560857

560856

560853

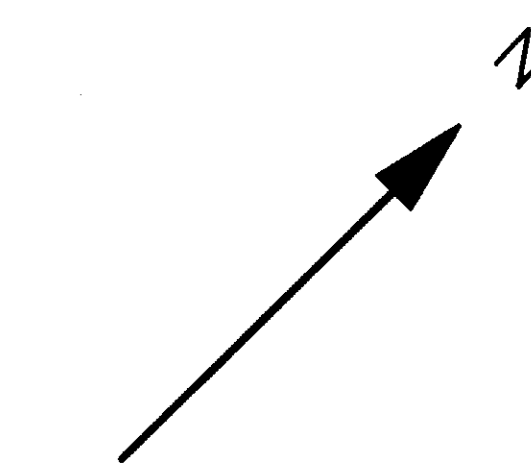
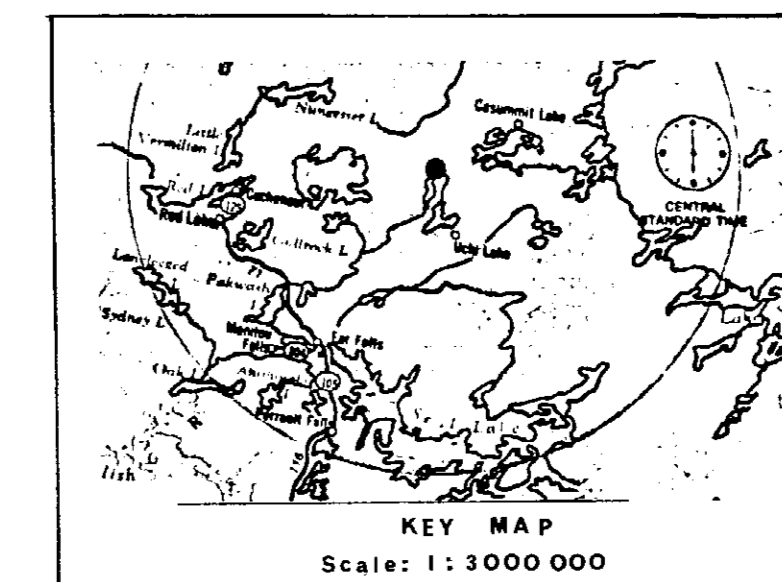
560855

LEGEND

- 1 MAFIC METAVOLCANICS
 - A FLOWS
 - B AGGLOMERATE
- 2 INTERMEDIATE METAVOLCANICS
 - A TUFF
 - B LAPILLI TUFF
 - C AGGLOMERATE
- 6 FELSIC INTRUSIVE
 - A QUARTZ MONZONITE
- 7 MAFIC INTRUSIVE
 - A GABBRO

SYMBOLS

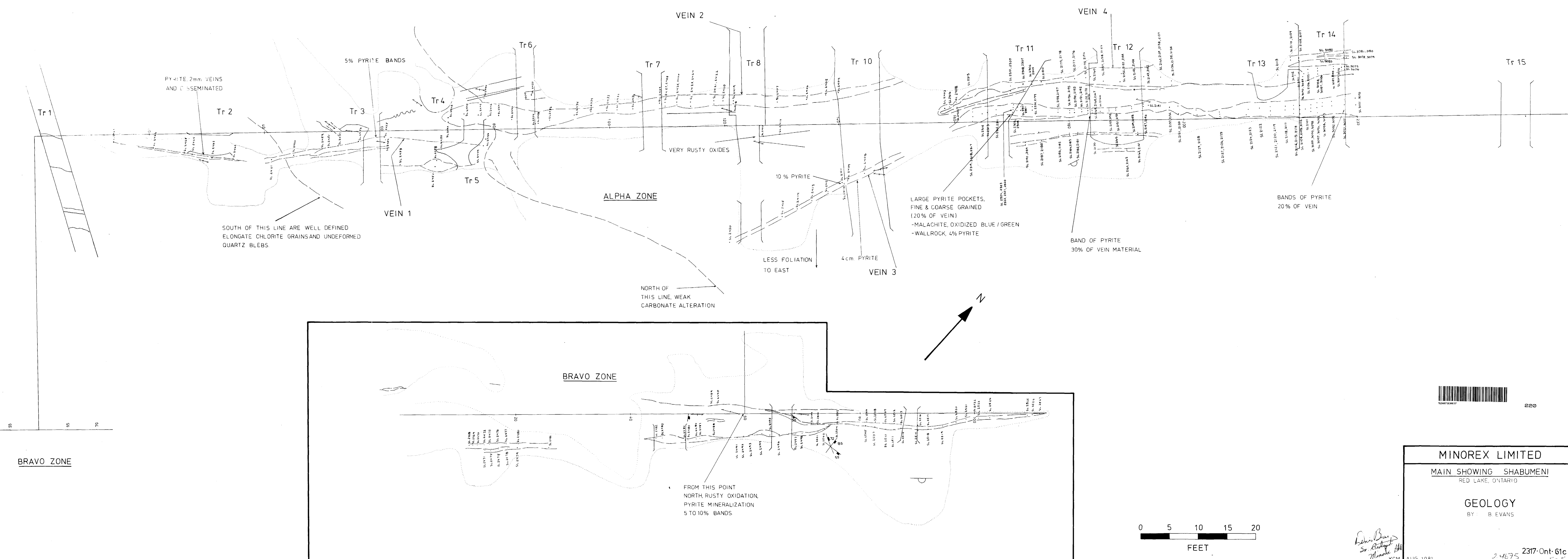
- x OUTCROP
- SWAMP
- TRENCH & PIT
- GEOLOGICAL CONTACT
- CLAIM LINE & POST
- FAULT
- QUARTZ VEINING
- BRECCIA



MINOREX LIMITED

SHABUMENI CLAIM GROUP
RED LAKE, ONTARIO

GEOLOGY



220

MINOREX LIMITED
 MAIN SHOWING SHABUMENI
 RED LAKE, ONTARIO

GEOLOGY
 BY: B. EVANS

Ken B...
St. Catharines
Minerals
 KCM

24675 2317-Ont-61c
 1" = 5'

AUG 1981