



GEOLOGICAL SURVEYS

for

KEEFER LAKE RESOURCES INC.

on the

KEEFER TOWNSHIP PROJECT

in

RECEIVED

APR 15 1988

MINING LANDS SECTION

KEEFER TOWNSHIP

PORCUPINE MINING DIVISION

DISTRICT OF COCHRANE

ONTARIO

by

Kian A. Jensen
Consulting Geologist/Geophysicist

February, 1988

David
2.3969.

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INTRODUCTION

During the July and August of 1987, geological mapping was completed on the 14 contiguous unpatented mining claims optioned by Keefer Lake Resources Inc. known as the Keefer Township Property.

A total of 13.74 miles of linecutting was completed during November 19, 1986 to January 10, 1987, by personnel of Kian A. Jensen Exploration and Consulting Services for the purpose of geophysical surveys and future exploration work.

The project area is located approximately 12.5 miles (20 km) west of the junction of Highways 101 and 144. The claims cover the area west of Mosher Lake which is located in the southeastern portion of the southeast quadrant of Keefer Township, Porcupine Mining Division, District of Cochrane, Ontario.

The purpose of the geological survey was to identify the lithological units, location of the major structural features, and to locate favourable areas of gold bearing mineralization. In this area, gold and silver mineralization are associated with narrow quartz veining in metavolcanic rocks, sulphide mineralization associated with the carbonate zone within the

Destor Porcupine Fault, and fractures or shear zones. Possible other sources of gold mineralization are quartz and/or feldspar porphyries and sulphide bearing iron formations near lithological contacts and structural features.

LOCATION and ACCESS

The 14 unpatented mining claims cover the area west of Mosher Lake which is located in the southeastern portion of the southeast quadrant of Keefer Township, Porcupine Mining Division, District of Cochrane, Ontario, as shown in Figure 1.

The project area is located approximately 12.5 miles (20 km) west of the junction of Highways 101 and 144. On the east side of Warren Lake, a logging road leads southwards to the claim group. Four wheel drive vehicles are required to travel the logging roads which access both the western and eastern portions of the claim group.

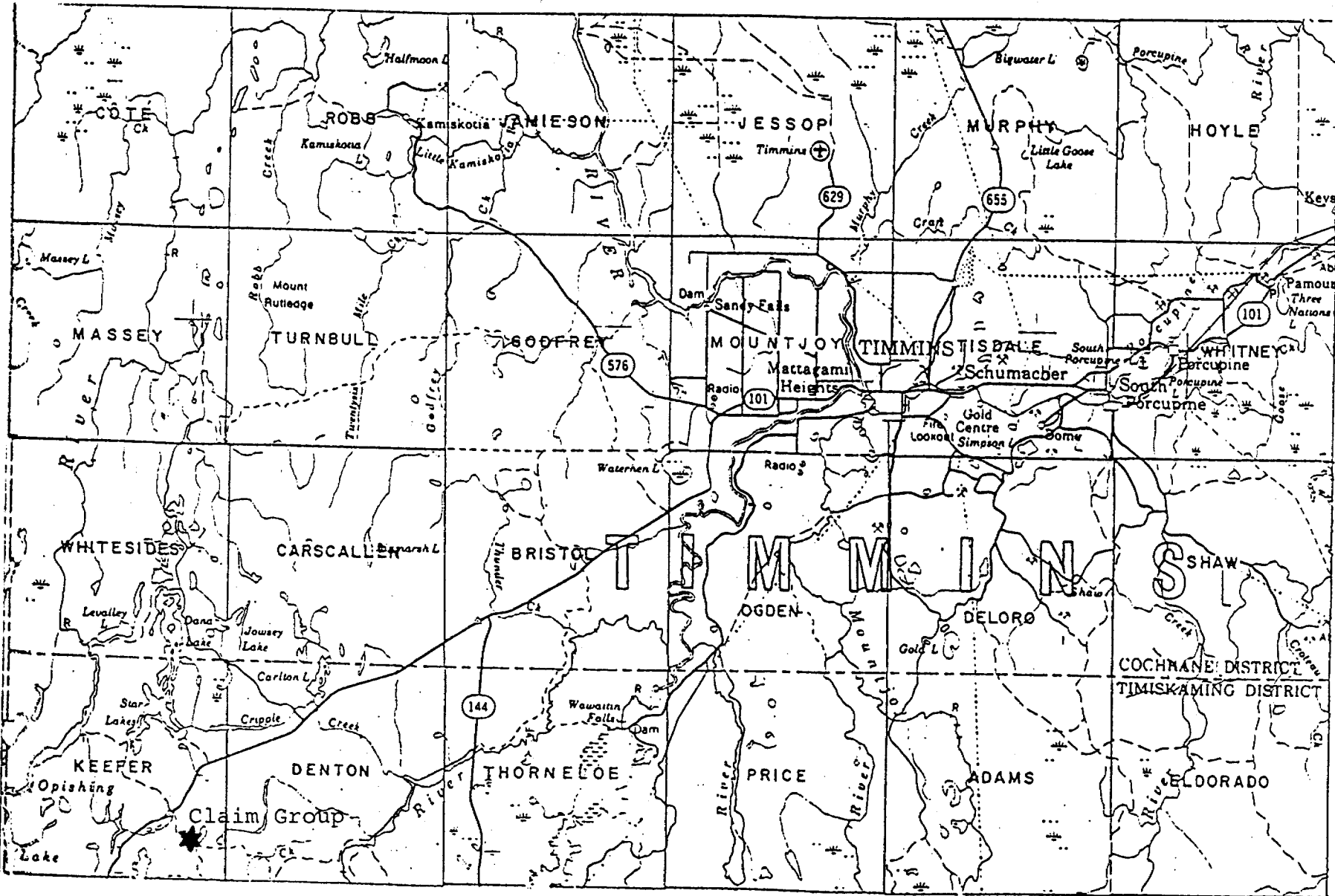


Figure 1: Location Map of F. Zoebelin Property, Keefers Township, Porcupine Mining Division, District of Cochrane, Ontario. Scale: 1 inch = 4 miles.

PROPERTY

The portion of Keefer Lake Resources Inc. Keefer Township property covered by this report is shown in the claim map, Figure 2, and consists of the following mining claims and recording dates:

P-833191	October 15, 1984
P-833192	October 15, 1984
P-833193	October 15, 1984
P-833194	October 15, 1984
P-833195	October 15, 1984
P-817604	July 10, 1984
P-817605	July 10, 1984
P-817607	July 10, 1984
P-817608	July 10, 1984
P-817603	July 16, 1984
P-817606	July 16, 1984
P-949074	October 14, 1986
P-947881	September 11, 1986
P-947882	September 11, 1986

The east and a part of the south boundaries of the patent mining claim, 10928, which is adjacent to the northwest corner of the claim group, was located. The boundary of the patent claim P.22841 on the east side of Mosher Lake was located. Several of the mining claims were failed to meet requirements and were restaked and are under dispute on behalf of Keefer Lake Resources Incorporated.

Many different ages of claim posts were located. However, due to recent logging operations, several of the current claim posts for the property could not be located.

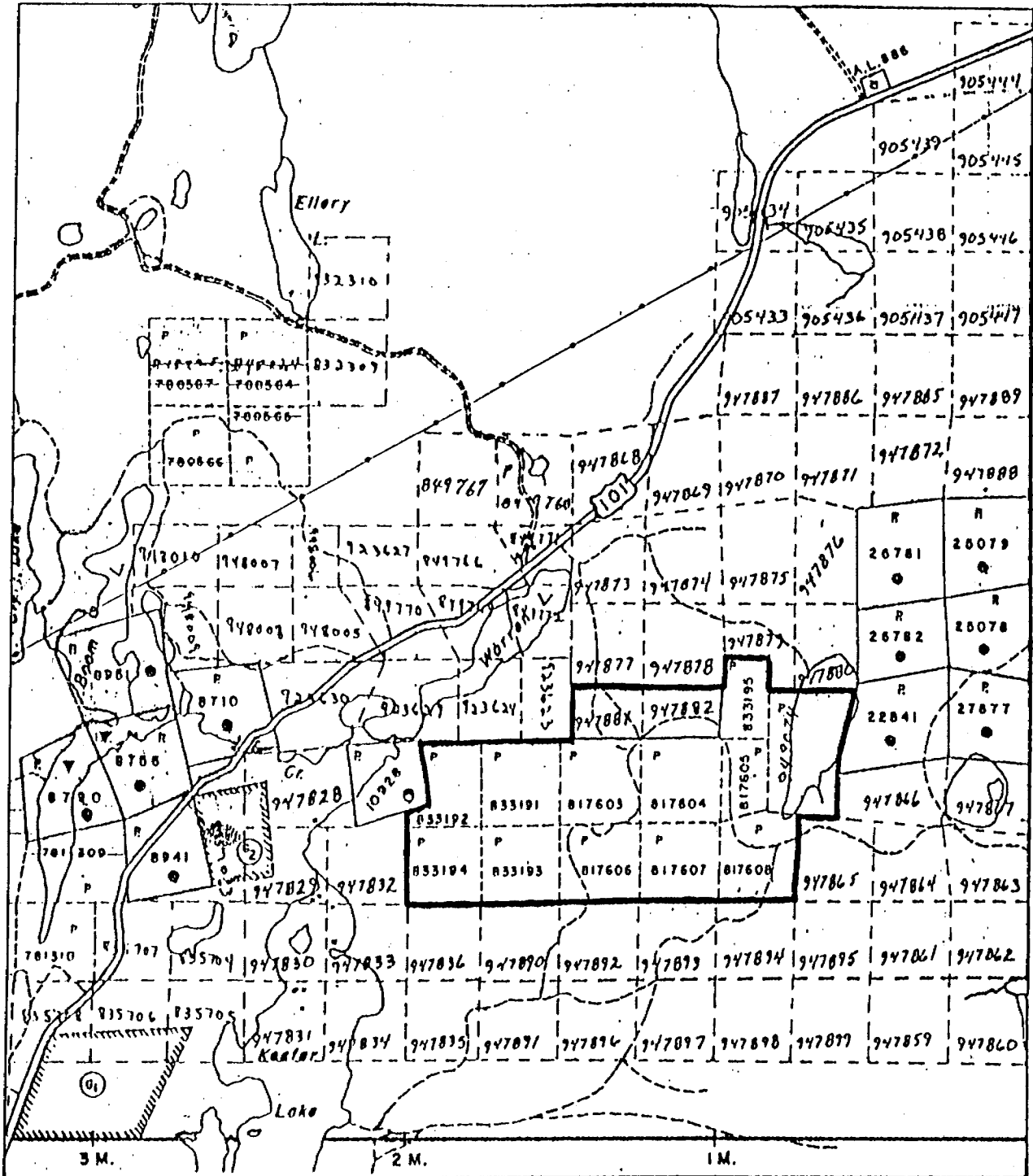


Figure 2: Claim Map and Property Location Map of F. Zoebelin Property, Keefe Township, Porcupine Mining Division, District of Cochrane, Ontario. Scale: 1 inch = 1/2 mile.

TOPOGRAPHY and VEGETATION

The topography of the area consists generally of low lying spruce and cedar swamps with mixed tag alders. The lowest area is occupied by a shallow lake known as Mosher Lake which is located on the eastern portion of the claim group. The drainage of the lake is to the south to southeast. A wide area around the lake is occupied by rushes and swamp grasses.

In areas of higher ground, mature spruce and poplar are the dominant vegetation. Approximately 40% to 50% of the present claim group has been logged in recent years, with minimum regeneration of local vegetation.

From information gathered from the survey and literature pertaining to the area and Keefer Township, it appears that bedrock exposure occupies less than 5% of the claim group.

PREVIOUS EXPLORATION ACTIVITIES

A detail description of the exploration activities and the various properties up to 1938 is given in the O.D.M. Report Volume 47, Part 4, titled "Geology of the Keefer-Eldorado Area" by W.D. Harding and L.G. Berry.

In the early 1930's, three properties existed all within the southern portion of the township, from west to east, namely; the Moore claims containing gold bearing quartz veins, the Sam Reid property, and the Simpson-Marcot property.

In 1946, Nelson Hogg evaluated the Phillips property in Denton which covered 23 claims south and west of Godon Lake. It appears that in 1947, 2 diamond drill holes were completed on former claim P-29404 (present claims P-949908 and P-949912).

During 1959, the Galata brothers held 9 claims on the west side of Mosher Lake. A dip needle survey was conducted over the iron formation in claims P-45037 and 45038.

During the early 1960's, Hollinger Consolidated Gold Mines Limited explored the Moore property with negative results.

The same company conducted geophysical surveys in 1964 and 1965 near Star Lake for the source of copper-nickel float.

In 1961, Paymaster Consolidated Mines Limited conducted an EM survey over 14 claims in Denton Township southwest of Godon Lake.

The Galata brothers held several properties from 1964 to 1972 in the southeast quarter of the township.

In 1964, PCE Exploration Limited diamond drilled the iron formation south to southwest of Mosher Lake on Galata's former claim P-48947.

The southcentral Galata property was explored by Jessie James Mines Limited, however, the recommended diamond drilling was not conducted.

During 1971, Texas Gulf Sulphur Company Incorporated and Conwest Exploration Company Limited were joint venture partners on the Galata properties. They conducted an airborne survey which indicated a weak anomaly on the northwestern side of Mosher Lake. During September, 1971, 3 diamond drill holes were completed on former mining claim P-325907 (present claim P-947888). A total of 933 feet were drilled. No assays were reported.

During 1972, Falconbridge Nickle Mines Limited optioned 12 claims in Denton Township from E. Galata. The conducted a magnetic survey and no further work was done.

During the years and in more recent times, F. Galata has performed several stripping and trenching operations in several areas of the present claim group as follows:

1974 to 1976	1 on 325907, 3 on 371402, 3 on 371394, 3 on 325906, 3 on 371400, 8 on 371395
1977	3 on 463589
1978	3 on 463590, 2 on 463589
1985	1 on 817604, 2 on 817603
1986	1 on 817604, 2 on 817603

During 1981, A.G. Choudhry and assistants mapped Keefer and Denton Townships, O.G.S. preliminary Map P2500 and P2501.

During late 1986 and early 1987, linecutting, magnetic survey and VLF-EM surveys were conducted on the property by the author for F. Zoebelen.

During the spring and summer of 1987, F. Galata and G. Galata completed trenching and stripping operations in the main showing area and other areas within the property of Keefer Lake Resources Inc..

GENERAL GEOLOGY

The bedrock of the area consists of Early Precambrian metavolcanic and metasedimentary rocks.

The oldest rocks consist of mafic to light green, massive to pillow flows of intermediate composition. These are succeeded by intermediate to felsic metavolcanics which include andesite, dacite and rhyolites interlayered with tuff, lapilli-tuff and tuff breccia.

The clastic metasedimentary rocks consist dominantly of greywacke, siltstone and lesser amounts of pebble conglomerates. A zone of chemical metasediments consisting of chert and magnetite and/or pyrite occurs within a siliceous metasediments. This iron formation outcrops along Highway 101 in the western portion of the township and may continue eastwards to the southern portion of Mosher Lake in the eastern part of the township.

The above rocks have been intruded by later felsic intrusives which occupy approximately 80% of the township in the northern and southern parts.

Medium to coarse grained gabbros intrude the metavolcanic to metasedimentary sequence. Generally these intrusives are parallel to the strike of the lithological units.

The possible final intrusions which cuts all the rock units are diabase dikes of possible Middle Precambrian age.

GEOLOGICAL SURVEY

INTRODUCTION:

The objectives of the geological mapping survey were to evaluate the pleistocene geology of the area for possible recommendations of an overburden basal till sampling program, to identify the lithological units, location of the major structural features, and to locate favourable areas of gold bearing mineralization.

In this area, gold and silver mineralization are associated with narrow quartz veining in metavolcanic rocks, sulphide mineralization associated with the carbonate zone within the Destor Porcupine Fault, and fractures or shear zones. Possible other sources of gold mineralization are quartz and/or feldspar porphyries and sulphide bearing iron formations near lithological contacts and structural features.

Table 1 shows the general geological units for Keefer and Denton Townships (Choudhry, A.G., 1982).

TABLE 1: LITHOLOGICAL UNITS FOR KEEFER TOWNSHIP

MAFIC INTRUSIVES
 Quartz Diabase

FELSIC TO INTERMEDIATE INTRUSIVES
 Granodiorite
 Granite
 Pegmatite and Aplite
 Quartz Feldspar Porphyry
 Porphyritic Granodiorite
 Quartz Diorite
 Tonalite
 Quartz Monzodiorite

METAMORPHOSED MAFIC INTRUSIVES
 Diorite
 Gabbro
 Diorite

METAVOLCANICS AND METASEDIMENTS

 CLASTIC SEDIMENTS
 Wacke
 Conglomerate
 Sandstone
 Carbonate Fuchsite Schist
 Quartzite
 Composed of Volcanic Detritus

 CHEMICAL METASEDIMENTS
 Banded Magnetite-Quartz Iron Formation
 Magnetite-Epidote Iron Formation
 Sulphide Iron Formation

 FELSIC METAVOLCANICS
 Massive Flows
 Pillows
 Pillow Breccia
 Porphyritic Flows
 Tuff

 MAFIC METAVOLCANICS
 Massive Flows
 Pillows
 Tuff and Pyroclastic Tuff
 Amygdaloidal Flow

 ULTRAMAFIC METAVOLCANICS
 Massive Flows
 Pillows
 Polysutured
 Serpentinized Peridotite
 Talc Chlorite Schist
 Spinifex Flows

PLEISTOCENE GEOLOGY:

Approximately 95% of the property is covered by glacial debris in the form of outwash plain and moraine. This is generally unsorted gravels with coarse grains and cobbles. Several areas have large numbers of boulder erratics, usually granitic to felsic with a minor amount of metavolcanics and metasediments as small boulders and large cobbles.

In a few areas, pits have been dug either by the logging companies for road repair or by prospectors which revealed unsorted gravels to sand.

PROPERTY GEOLOGY:

The property geology is shown in Figure 3 and located at the back of this report. Two detail mapping areas are also included, these being the Main Showing and Line 0. Only a few lithological units were located in the mapping areas which are described in detail from youngest to oldest as follows:

Diabase Dikes:

The dikes are present in isolated outcrops south of Mosher Lake. The composition is usually blackish green, fine grained to very fine grained which possibly represents the chilled margins. The only contact located was N 195 E. From the airborne surveys and the previous ground magnetic survey, a large diabase dike is suggested to trend NNW from

the southeast part of Mosher Lake to a little east of the main showing and continues on the western shore.

Felsic to Intermediate Intrusives:

The only location of felsic intrusives occur south of Mosher Lake. On the south shore, due south of the island, a felsic intrusive exhibits a gneissic texture with narrow bands of pinkish and mafic minerals. The exposure is at the contact between the tonalite intrusive to the north and a grabbro to the south with a bearing of N 090 E dipping 76 degree North.

At 21+50 South on Line 20+00 East and about 100 feet to the west is a large outcrop consisting of a fragment tuff to pyroclastic tuff and a fine grained felsic intrusive with a contact of N 105 E dipping 89 degrees North. The felsic intrusive is weakly foliated with minor narrow bands of mafic minerals and would be comparable to a tonalite.

The last area of felsic intrusive is located south and southeast of Mosher Lake, outside of the claim group covered by this report. In portions of the scattered outcrops, it appears to be a feldspar porphyry and other areas similar to a syenite.

Mafic to Ultramafic Intrusives:

These intrusives in the areas are typical medium to coarse grained gabbro with a composition of pyroxenes with scattered plagioclase with a intergranular matrix of mafic minerals and visible magnetite. To the southwest of Mosher Lake, the intrusive is consists of a peridotite with contact areas of talc chlorite schist. The scattered occurrences are approximately parallel to the regional strike of the lithological units.

In conjunction with the property magnetic survey, it appears that a regional trend coincides with the above mafic to ultramafic intrusives. The gabbro being more magnetic than the peridotite.

From the research of the literature and previous assessment work, it appears that the rich magnetite bands within the gabbro has been labeled as an iron formation. This may be the definition, however, the magnetite bands with isolated epidotization is a crystallization process and not a true chemical sedimentary iron formation. This is well exhibited in the trenching 80 feet south of Post 1 of claim P-817608 and further to the east. Generally, the sulphide content is less than 1% with pyrite being medium to coarse grained and the dominant sulphide. Only scattered chalcopyrite was found in the trench on claim P-817608.

Metasediments:

Two areas within the mapping area consists of metasedimentary rock. The larger exposure is located west of Line 0 at 20+00 South. These sediments are fine to medium grained with alternating bands of mafic and felsic composition and are probably volcanic detritus. This area is shown in detail at the bottom of Figure 3. Trench No. 1 has felsic clasts in the fine laminations of felsic and mafic sediments in the southern portion while the north exposure contains both mafic and felsic clasts. In Trench No. 2 and 3 the metasediments are intermixed with fine grained chloritic tuffs and fragmental tuffs.

The second area of metasediments is in the western portion of the main showing. This occurrence consists of banded magnetite-chert and/or carbonate iron formation. The northern portion of the showing may be metasediments or banded tuff but the alteration and the quartz veining has made it difficult to distinguish. Immediately to the south of the main showing, the outcrops consist of fragmental tuffs.

Metavolcanics:

The majority of the outcrop in the metavolcanic unit are tuffs to fragmental tuffs with pyroclastics. These are medium green to dark green, weathers to a light to medium green, fine

grained, good development of bedding and chloritic with a basaltic composition. In several locations the degree of carbonation ranges from weak to intense.

Isolated outcrops of massive basaltic flows are present within the mapping area. These exhibit fair to good development of schistosity. The large outcrop west of Line 20+00 East at 21+50 South indicates possible pillow salvages north of the chloritic fragmental tuffs.

STRUCTURAL GEOLOGY:

Based upon the geophysical surveys conducted on the property, it appears that there may exist three and possibly a fourth direction of faulting and/or shearing. These orientations are as follows: northwest, north-northwest, northeast and possibly east-northeast parallel to sub-parallel to the strike of the lithological units.

During the mapping of the property several minor shears were located as follows: 1) Main Showing northwest, 2) Line 16+00 East at 7+00 South represents a possible fault or linement scarp face, 3) Line 0 at 17+00 South at N 103 E, and 4) a scarp face on Line 8+00 East at 8+50 North. The diabase dikes in the area probably are filling shear or fault zones.

ECONOMIC GEOLOGY:

The main showing has been reported to carry gold values in the quartz-carbonate stringer and the heavy sulphide concentrations in the tuffs associated with quartz veining or stockwork. The veining in this area consists of quartz fracture filling, quartz carbonate stringers and stockwork, and quartz carbonate ankerite vein. Generally, the veins are not deformed, however, in the southern portion, a set of parallel kinked quartz stringers exist and may indicate at least two sets of quartz veining events.

Between Lines 16+00 East and 20+00 East at 9+00 South, numerous quartz and quartz carbonate veins appear to cross cut the tuff and fragmental tuffs in a northeasterly direction. In areas, these obtain widths of 12 to 14 inches and carry minor amounts of pyrite.

On the island in the southern part of Mosher Lake minor pyrite with scattered chalcopyrite was located in a 2 inch quartz carbonate stringer parallel to the bedding plane.

The trench with the banded magnetite had secondary epidotization with minor pyrite mineralization.

All samples collected within the mapping area are assayed trace for gold. The sample locations, descriptions and assay results are located in Appendix A.

CONCLUSIONS

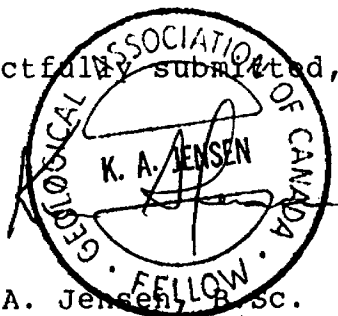
The property contains less than 5% outcrop primarily mafic tuffs to fragmental tuffs with minor amounts of volcanic detritus sediments, massive flow and pillows. These lithological units are intruded by gabbro, peridotite and finally felsic intrusives as tonalite, feldspar porphyry and syenite. The last intrusive event was the emplacement of northerly trending diabase dikes.

The veining in the are consist of quartz, quartz carbonate, and quartz-carbonate-ankerite stringers and veins generally as fracture filling.

The sulphide mineralization is generally pyritization with isolated occurrences of scattered chalcopyrite grains. Heavy magnetite mineralization was located in a fine grained mafic gabbroic mass.

All samples taken were assayed for gold returned value of trace.

Respectfully submitted,



Kian A. Jensen, B.Sc.

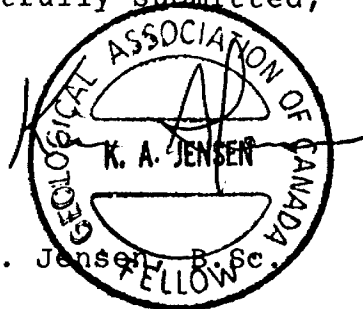
Consulting Geologist/Geophysicist

RECOMMENDATIONS

Based upon the information available to the author and the results of the geophysical surveys covered by this report it is recommended that the following work be conducted a limited diamond drilling program to test at depth the mineralization at the main showing, and to test the EM anomalies.

If the results of the diamond drilling contains positive results the program should be expanded. However, if the drilling does not yield positive results, then no futher work is recommended.

Respectfully submitted,



Kian A. Jensen, B.Sc.
Consulting Geologist/Geophysicist

February 24, 1988

Timmins, Ontario

CERTIFICATE

With reference to my report on the Geological Survey on the Keefer Township Property of Keefer Lake Resources Inc. Dated February 24, 1988.....

I, Kian A. Jensen, of the City of Timmins, Ontario, do hereby certify the following to be true and accurate to the best of my knowledge:

- 1) That I received an Honour B.Sc. degree in Earth Science, Geology Major, from the University of Waterloo,
- 2) That I have been employed as a geologist and/or geophysicist by various exploration companies and consulting companies since 1978,
- 3) That I have been and still am a member in good standing in the following associations:
 - a) Society of Exploration Geophysicists - Associate, 1981
 - b) Geological Association of Canada - Fellow, 1983
- 4) That I am the author of the corresponding report, and have been actively exploring and prospecting in the Timmins area since 1981,
- 5) That I have no interest directly or indirectly in the mining claims comprising the property described in this report or in the shares of any company or companies in this joint venture on this property or the surrounding properties, nor do I expect to receive any directly or indirectly.

Dated this 24th of February, 1988
Timmins, Ontario



Kian A. Jensen B.Sc.
Consulting Geologist/Geophysicist

APPENDIX A

Sample Descriptions from the Keefer Township Property

Site No.	Sample No.	Description
101	124451	-grab sample of quartz carbonate stockwork veining with 1% pyrite from Trench No. 1 of the Main Showing
102	124452	-grab sample of 5% pyrite in carbonated tuff from Trench No. 2 of the Main Showing
103	124453	-grab sample of quartz carbonate stockwork and carbonated tuff from northeast side of Trench No. 2 of the Main Showing
104	124454	-grab sample of quartz carbonate veining with 1% to 2% pyrite, Trench No. 2 of the Main Showing
105	124455	-grab sample of quartz stringers and heavy sulphides on west side of Pitin the Main Showing
106	124456	-grab sample of blackish quartz carbonate vein by iron formation in pyroclastic tuff Line 8+00 East at 8+00 North
107	124457	-grab sample of 2 inch quartz carbonate vein in chlorite schist containing pyrite <1% and scattered chalcopyrite from trench at the north end of island in the southern part of Mosher Lake
108	124458	-grab sample of mafic chloritic tuff from Trench No. 4 of the Main Showing
109	124459	-grab sample of bleach lappli tuff with scattered pyrite
110	124460	-grab sample of the best mineralized tuff and quartz veining from the Main Showing



BELL - WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187.

HAILEYBURY, ONTARIO

TEL: 672-3107

Certificate of Analysis

NO. 3327

DATE: October 7, 1987

SAMPLE(S) OF: Rock (10)

RECEIVED: October 1987

SAMPLE(S) FROM: Mr. Kian Jensen, SOUTH PORCUPINE, Ontario

PROJECT: #87-016

<u>Sample No.</u>	<u>Oz. Gold</u>
124451	Trace
2	Trace
3	Trace
4	Trace
5	Trace
6	Trace
7	Trace
8	Trace
9	Trace
124460	Trace

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

BELL-WHITE ANALYTICAL LABORATORIES LTD.

PER 



Ontario

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines



42A055E0208 2.11048 KEEFER

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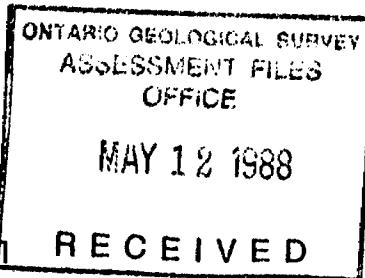
May 6, 1988

Your File: W8806-031
Our file: 2.11048

Mining Recorder
Ministry of Northern Development and Mines
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

RE: Notice of Intent dated April 21, 1988
Geological Survey
submitted on Mining Claims P 817603 et al
in the Township of Keefer



The assessment work credits, as listed with the above-mentioned
Notice of Intent, have been approved as of the above date.

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

Yours sincerely,

W.R. Cowan, Manager
Mining Lands Section
Mines and Minerals Division

Whitney Block, Room 6610
Queen's Park
Toronto, Ontario
M7A 1W3

Telephone: (416) 965-4888

AB:pl
Enclosure: Technical Assessment Work Credits

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

Resident Geologist
Timmins, Ontario

Keefer Lake Resources Inc.
160 Kingscross Drive
Box 72
King City, Ontario
LOG 1K0



Recorded Holder
Keefer Lake Resources Inc.

Township ~~9XXX9~~
Keefer

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
<p>Geophysical</p> <p>Electromagnetic _____ days</p> <p>Magnetometer _____ days</p> <p>Radiometric _____ days</p> <p>Induced polarization _____ days</p> <p>Other _____ days</p> <p>Section 77 (19) See "Mining Claims Assessed" column</p> <p>Geological <u>20</u> days</p> <p>Geochemical _____ days</p> <p>Man days <input type="checkbox"/> Airborne <input type="checkbox"/></p> <p>Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/></p> <p><input type="checkbox"/> Credits have been reduced because of partial coverage of claims.</p> <p><input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.</p>	<p>P 817603-04-05 833191 to 95 inclusive 949074 947881-82 947865</p>

Special credits under section 77 (16) for the following mining claims

5 days

P 817606
817608

No credits have been allowed for the following mining claims

not sufficiently covered by the survey insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 60.



Ministry of Northern Development and Mines

Report of Work
(Geophysical, Geological, Geochemical and Exploration)

DOCUMENT No.

W 8806-031

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

Apr 8.

Mining Act 2.11048

Type of Survey(s) GEOLOGICAL SURVEY		Township or Area KEEFER TWP	
Claim Holder(s) KEEFER LAKE RESOURCES INC		Prospector's Licence No. T-5010	
Address 160 KINGSCROSS DRIVE, BOX 72, KING CITY, ONTARIO L0G 1K0			
Survey Company KIAN A. JENSEN EXPLORATION + CONSULT		Date of Survey (from & to) 01 09 87 01 10 87 Day Mo. Yr. Day Mo. Yr.	Total Miles of line Cut 15.37 miles
Name and Address of Author (of Geo-Technical report) KIAN A. JENSEN, P.O. BOX 37, SOUTH PORCUPINE, ONTARIO PON 1H0			

Credits Requested per Each Claim in Columns at right

Mining Claims Traversed (List in numerical sequence)

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
For each additional survey: using the same grid: Enter 20 days (for each)	- Other	
	Geological	20
	Geochemical	

Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Airborne Credits	Geophysical	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
P	817603				
	817604				
	817605				
	817606				
	817607				
	817608				
	833191				
	833192				
	833193				
	833194				
	833195				
	949074				
	947881				
	947882				
	947865				

RECEIVED
MAR 27 1988
MUS SECTION

RECORDED
FEB 18 1988

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim No. **8806-031**
PORCUPINE MINING DIVISION
RECEIVED

Calculation of Expenditure Days Credits
Total Expenditures \$ **15** = Total Days Credits **15**

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Date **Feb 18/88** Recorded Holder or Agent (Signature) **Kian Jensen**

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying
KIAN A JENSEN, P.O. BOX 37, SOUTH PORCUPINE, ONT PON 1H0

Date Certified **Feb 18/88** Certified by (Signature) **Kian Jensen**

For Office Use Only
Total Days Cr. Recorded **280** Date Recorded **Feb 18/88** Mining Record **White**
Date Approved as Recorded **See Revised Statement** Branch Director **White**

Total number of mining claims covered by this report of work. **15**

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. - MINING RIGHTS ONLY
 S.R.O. - SURFACE RIGHTS ONLY
 M.+S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File
(1) SEC. 45/70	W.26/77	11/3/77	S.R.O.	188543
(2) SEC. 42/80			M.+S.	171806
(3) SEC. 42/80		7/10/86	M.+S.	149113
(4) DANA AND JOWSEY LAKES PARK RESERVE			S.R.O.	
SEC. 36/80	W.64/83		M.R.O.	

(RS) DUMPING STATION

SAND AND GRAVEL

- (1) M.T.C. PIT 1593
- (2) GRAVEL FILE 44986

IMPORTANT NOTICE

This township forms part of the WAFERBOARD FOREST MANAGEMENT AGREEMENT

The 1985/86 Annual Plan, on file in The

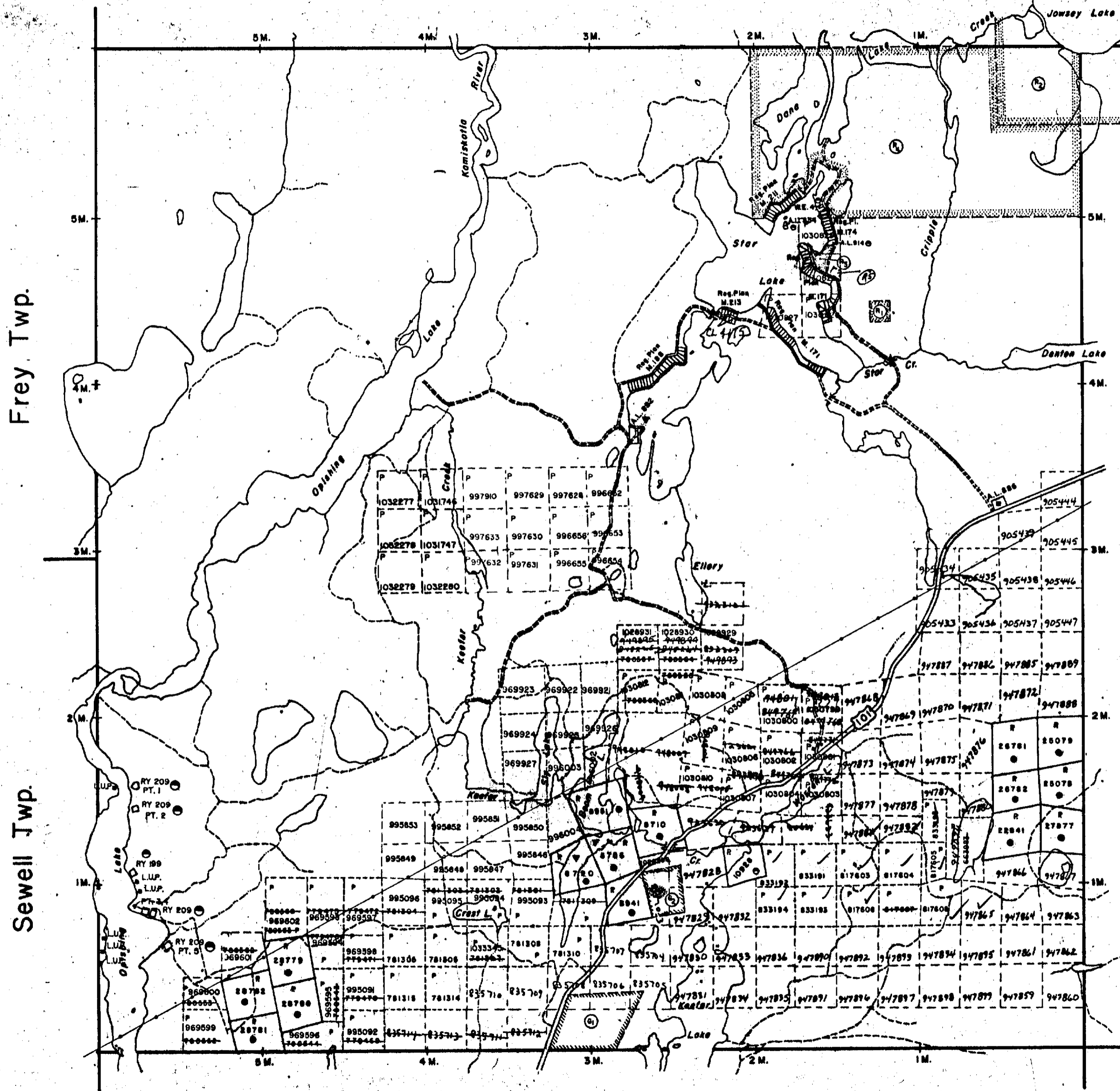
Mining Recorders Office shows the area to be affected in the next year

If this plan affects you, further information may be obtained from:

Mr. Malcom Kilgour - Unit Forester
 Ministry of Natural Resources
 896 Riverside Drive, Timmins Ont.
 Telephone: 267-7951
 and/or

Mr. Pierre Corbeil
 Waterboard Group
 Telephone: 268-1462

Whitesides Twp.



LEGEND

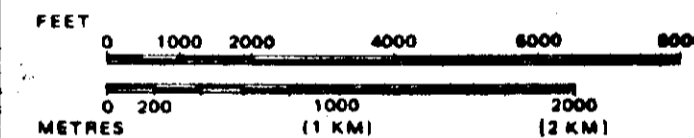
HIGHWAY AND ROUTE No.	
OTHER ROADS	
TRAILS	
SURVEYED LINES:	
TOWNSHIPS, BASE LINES, ETC.	
LOTS, MINING CLAIMS, PARCELS, ETC.	
UNSURVEYED LINES:	
LOT LINES	
PARCEL BOUNDARY	
MINING CLAIMS ETC.	
RAILWAY AND RIGHT OF WAY	
UTILITY LINES	
NON-PERENNIAL STREAM	
FLOODING OR FLOODING RIGHTS	
SUBDIVISION OR COMPOSITE PLAN	
RESERVATIONS	
ORIGINAL SHORELINE	
MARSH OR MUSKEG	
MINES	
TRAVERSE MONUMENT	

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER-IN-COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	
L.U.P. LAND USE PERMIT	

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 8, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC. 1.

SCALE: 1 INCH = 40 CHAINS



TOWNSHIP

KEEFER

M.N.R. ADMINISTRATIVE DISTRICT

TIMMINS

MINING DIVISION

PORCUPINE

LAND TITLES / REGISTRY DIVISION

COCHRANE

Ministry of Natural Resources
 Land Management Branch
 Ontario

Date MARCH, 1985

Number

Rec'd Apr. 4/85
 checked L.H.

G-3237

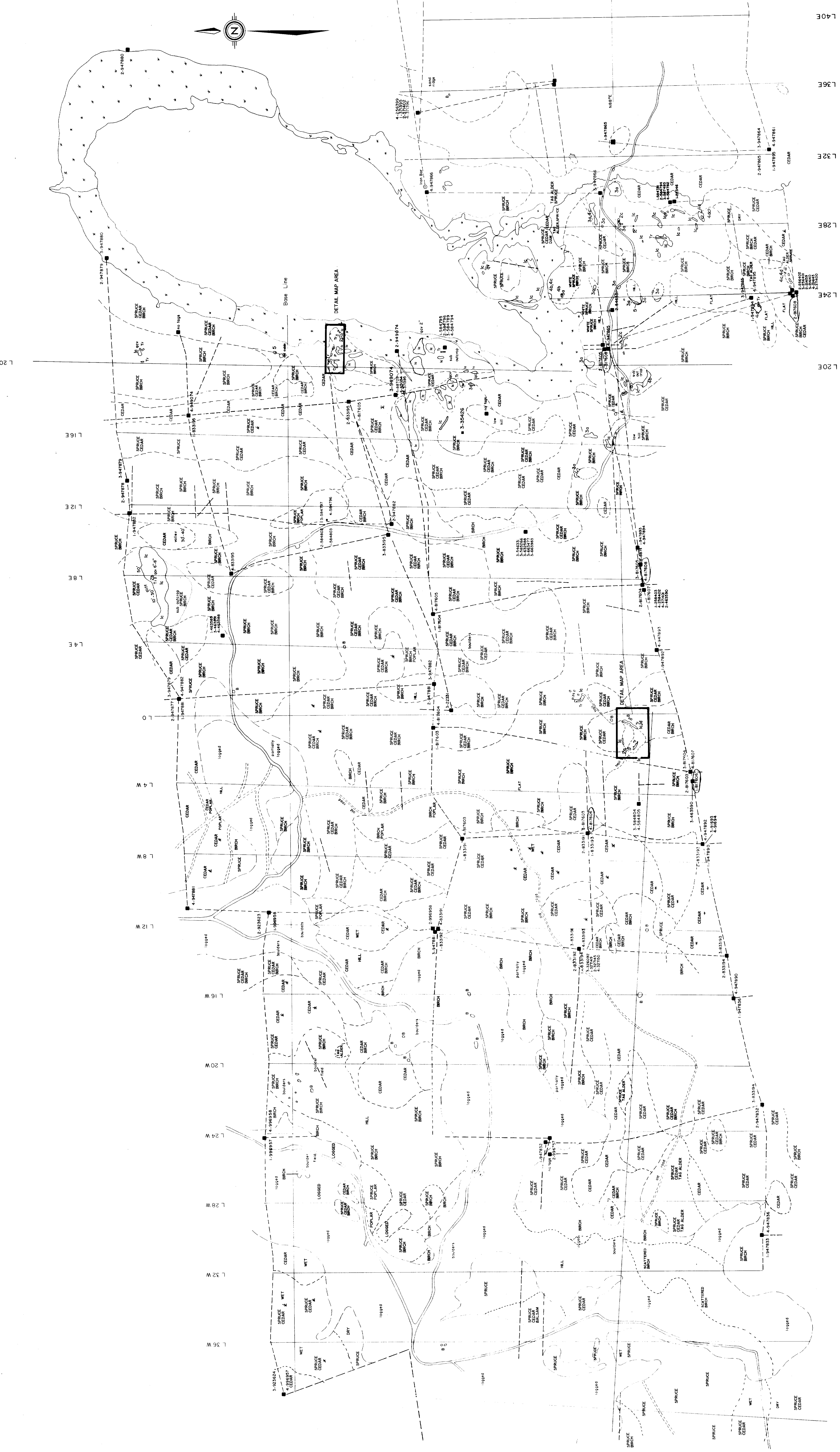
Hillary Twp.



42A958E9208 2.11048 KEEFER

200

E. Kesteven



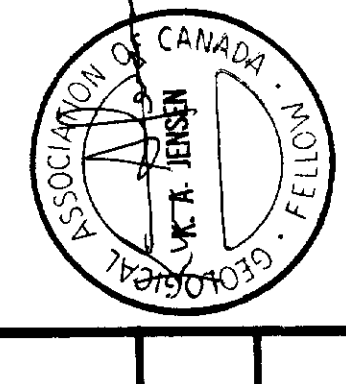
L 202 L 204 L 206 L 208 L 210 L 212 L 214 L 216 L 218 L 220 L 222 L 224 L 226 L 228 L 230 L 232 L 234 L 236 L 238 L 240 L 242 L 244 L 246 L 248 L 250

KEEFER LAKE RESOURCES INCORPORATED

KEEFER TOWNSHIP
PORCUPINE MINING DIVISION

GEOLOGY

2.11048



Survey by J. A. Jensen
Revision by Dore
Date July, August, 1987

Scale: 1 inch = 200 feet
200 400 600 800
0 200 400 600 800
FEET

LEGEND

- 5 Diabase
- 4b Felsic Intrusives
- 4c Granite
- 4d Tonalite
- 3a Mafic Intrusives
- 3b Gabbro
- 2c Metasediments
- 2b Greywacke
- 2a Magnetite Epitaxial Iron Formation
- 1c Metasediments
- 1b Massive Flow
- 1a Pillow
- 1d Turf and Pyroclastic Sediments Volcanic Debris

SYMBOLS

- Claim Foot Located
- Outcrop
- Traverse
- Quartz Vein
- Quartz-Carbonate Vein
- 24' Borehole
- Shallow Sinkhole
- Contacts

