



42A05SE0104 2.12851 DENTON

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**2.12851**

MAGNETIC SURVEY

for

KEEFER LAKE RESOURCES INC.

on the

KEEFER-DENTON NORTH PROPERTY

in

KEEFER TOWNSHIP

and

DENTON TOWNSHIP

PORCUPINE MINING DIVISION

DISTRICT OF COCHRANE

ONTARIO

by

Kian A. Jensen  
Consulting Geologist/Geophysicist

November, 1989

*Qual 2.3969*



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## INTRODUCTION

During August and September, 1989, linecutting and a total field magnetic survey were completed on the 28 contiguous unpatented mining claims known as the Keefer-Denton North Property in the southeast central portion of Keefer Township and the southwest central portion of Denton Township.

A total of 29.96 miles of linecutting was completed. Of this total 17.258 miles were in Keefer Township and 12.705 miles were in Denton Township. A total of 27.388 miles were surveyed to establish 804 and 641 magnetic readings in Keefer and Denton Townships respectively. The survey was completed from August 31 to September 6, 1989, by the author. The grid lines on the lake were established and surveyed during November, 1987. The data reductions, drafting, interpretation and report were completed by the author from September 7 to 11 and September 22 to 26, and from October 30 to November 2, 1989.

The project area is located approximately 12.5 miles (20 km) west of the junction of Highways 101 and 144. The claims cover the southeastern portion of Keefer Township north of Mosher Lake to Highway 101 then eastwards to within a quarter of a mile of Godon Lake in the southwestern portion of Denton Township, Porcupine Mining Division, District of Cochrane, Ontario.

The purpose of the survey was to identify the lithological units, structural features and favourable areas for gold mineralization.

### LOCATION AND ACCESS

The 28 unpatented mining claims cover the area north of Mosher Lake to Highway 101 in the southeastern quadrant of Keefer Township and eastwards into Denton Township to 1/4 mile west of Godon Lake, 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 Warran Lake, a logging road leads south to southeasterly through Keefer Township to the southwest corner of Denton Township and the project area. A four wheel drive vehical would be required to travel the road for a short distance.

Additional access from Denton Township approximately 1 mile west of Cripple Creek. This road can be travelled by four whell vehicle on the southern route to east of Godon Lake. From there, a short walk of 3600 feet to the most easterly boundary of the group.

### PROPERTY

The portion of the Keefer Lake Resources Inc. holdings covered by this report consists of 28 unpatented mining claims as shown in Figure 2, and consists of the following mining claims and recording dates:

P-947868 to P-947880 inclusively	Keefer Twp.	Sept. 11, 1986
P-947885 to P-947889 inclusively	Keefer Twp.	Sept. 11, 1986
P-947837 to P-947845 inclusively	Denton Twp.	Sept. 11, 1986
P-947858	Denton Twp.	Sept. 11, 1986

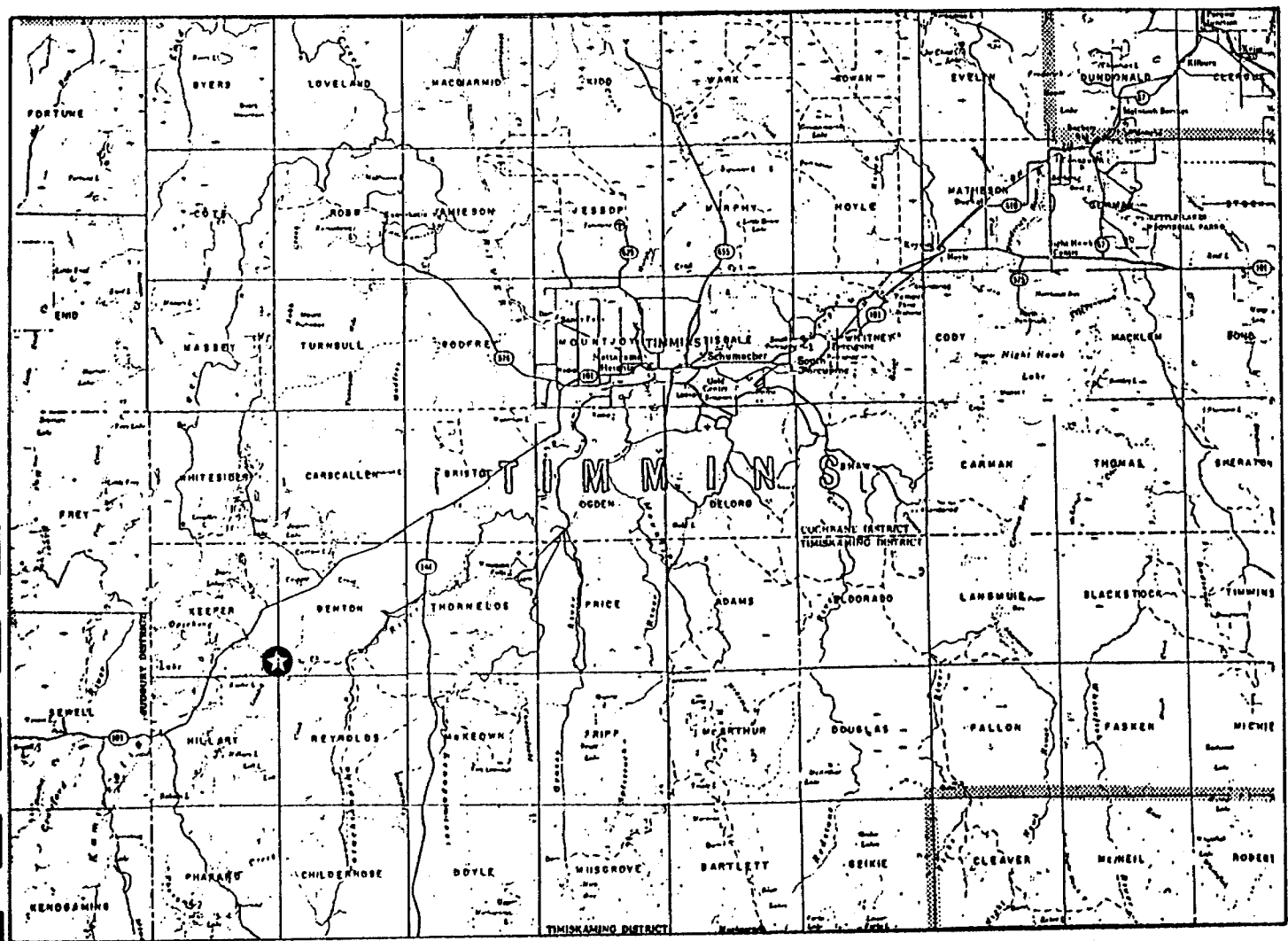


Figure 1: Location Map for Keefe Lake Resources Inc., Keefe and Denton Townships, Porcupine Mining Division, District of Cochrane, Ontario.



## GENERAL GEOLOGY

The bedrock in the area consists of an early Precambrian metavolcanic-metasedimentary sequence and has been intruded by granitic rocks.

The rock units strike in a northeast to east direction. The oldest rocks appear to be pale colour ultramafic flows which are intercalated with metasediments. In isolated areas these rocks grade into a massive flow consisting of serpentinized peridotitic komatite. These rocks are overlain by basaltic komatite and/or Mg tholeiites. The above rocks are succeeded upwards by Fe tholeiite, calc-alkalic basalt, intermediate to felsic metavolcanics and clastic metasediments.

The intermediate to felsic metavolcanics consist of tuffs, breccia and foliated to massive flows. This unit grades into metasediments and clastic metasediments. Within isolated areas the metasediments contain a zone of chert and magnetite iron formation.

The above lithological units are intruded by gabbroic to dioritic rocks. The felsic intrusives appear to have three stages, being: quartz diorite to tonalite, porphyritic granodiorite and a medium grained granodiorite.

Metamorphism in the area is of the greenschist facies. Rocks near the late intrusive have been altered to an epidote amphibolite to amphibolite facies.

Intruding all the above lithological units are north to northerly trending diabase dikes.

The structure in the area appears to be dominated by north northwest trending transverse faults, several are filled by the later diabase dikes. Several northeast trending shear zones are located in the southern portion of Godon Lake.

### PREVIOUS EXPLORATION ACTIVITIES

A detailed 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.

From 1945 to 1947, A. Phillips trenched and diamond drilled a sericite-carbonate schist zone located about 1 mile southwest of Godon Lake. In 1961 Paymaster Consolidated Mines Limited conducted a ground magnetic and electromagnetic surveys in the area. Results of sampling of the trenches returned values up to 0.07 o.p.t. of gold.

During 1971, Texas Gulf Sulphur Company Inc. and Conwest Exploration Company Limited were joint venture partners on the Galata property. They conducted an airborne survey over portions of Keefer and Denton Townships.

In 1972, Falconbridge Nickel Mines Limited conducted a magnetic survey without locating any significant anomalies.

In recent years, Frank Galata has trenched many areas of Keefer and Denton Townships. Most of the sites are quartz or quartz-carbonate veining.

The present exploration program of Keefer Lake Resources Inc. is to define gold bearing target by means of geophysical surveys, geological mapping, trenching, and diamond drilling.



## GEOPHYSICAL SURVEY

### INTRODUCTION:

The linecutting was conducted by Gord McIntosh Exploration Services of Timmins, Ontario, from August 2 to September 2, 1989. The tie line 32+00 North was extended from the Godon Lake group located on the west side of Godon Lake in Denton Township. Tie Line 36+00 North was extended from the township line at the iron bar westwards into Keefer Township to the west claim group boundary from 60+00 East to 16+00 West. North-south grid lines were established at 400 foot intervals and picketed every 100 feet. Both base lines established in Keefer and Denton Townships were tied into.

A total of 29.96 miles of linecutting was completed. Of this total 17.258 miles were in Keefer Township and 12.705 miles were in Denton Township. A total of 27.388 miles were surveyed to establish 804 and 641 magnetic readings in Keefer and Denton Townships respectively. The grid lines on the Mosher Lake were established and surveyed during November, 1987.

The survey was completed from August 31 to September 6, 1989, by the author. The data reductions, drafting, interpretation and report were completed by the author from September 7 to 11 and September 22 to 26, and from October 30 to November 2, 1989.

The survey was conducted with the Geometrics G-816 proton procession magnetometers. The instrument specifications are located in the Appendix.

### MAGNETIC SURVEY:

The magnetic base station was established on the existing grid in Keefer Township on the former base line at Line 8+00 West with an average base value of 59,099 gammas and on tie line 32+00 North and former 100+00 East with an average base value of 58,862 gammas. All the tie lines were surveyed at 100 foot intervals in a looping fashion to establish accurate control stations for each grid line and tied into the base stations. The north-south grid lines were surveyed at 100 foot intervals.

The data was corrected for the daily drift and the tie-ins at the control stations. A base level of 58,000 gammas has been removed from all the observed readings.

The corrected data was plotted on a base map with a scale of 1 inch to 200 feet (1:2400). The data was contoured at 100 gamma intervals wherever possible as shown in Figure 3.

INTERPRETATION:

The magnetic data exhibits moderate to high magnetic "bull's eyes" and are suspected to be the results of the north-northwest trending diabase dikes.

The diabase dikes are prominent feature within the map area. The dikes vary from a less than 30 feet wide to about 100 feet wide. Due to the magnetic characteristic of the dikes, a magnetic low may exist on either side or both side. The resulting effect of parallel dikes is the obsuring of the magnetic signature of the host lithological units.

The magnetic anplitude of the diabase dikes range up to 59,700+ gammas in areas of moderate to deep overburden to 60,700+ gammas in areas of outcrop. The dikes are located as follows:

Keefer Township:

- 1) Line 0+00 15+00 North to Line 12+00 West 49+00 North
- 2) Line 28+00 East 39+00 North to Line 20+00 East 61+00 North
- 3) TL 36+00 North 47+00 East to Line 56+00 East 53+00 North

Denton Township:

- 4) BL new Line 68+00 East to Line 60+00 East 59+00 North
- 5) Line 76+00 East 5+00 North to Line 68+00 East 54+00 North and TL 51+00 North 73+00 east and 75+00 East.
- 6) Line 88+00 East 19+00 North to TL 51+00 North 78+00 East

The next prominent and numerous magnetic feature in the area covered by this report are either ultramafic intrusives or magnetic basaltic komatiites. The magnetic signature of these units range from 59,900+ to 60,300+ gammas. The higher magnetic section are interpreted as increased magnetite and less overburden cover.

These ultramafic bodies can vary from long semi-continuous intrusives such as the easterly trending body 400 feet south of Tie Line 51+00 North between 60+00 East to 72+00 East to short discontinuous lensoid bodies of mid 59,500 gamma anomalies such as Line 84+00 East at 7+00 North, Line 96+00 East at 24+00 North, Line 56+00 East at 40+00 North, Line 48+00 East at 44+00 North and Line 16+00 East at 10+00 North.

The northern portion of Keefer Township is suspected to be underlain by granitic intrusive striking in a northeasterly direction. This correlates approximately with the 58,900 gamma contour.

The remainder of the property covered by this report is probably underlain by a sequence of mafic and felsic to intermediate metavolcanics with a background magnetic value ranging from 58,000 to 58,900 gammas.

The structural features in the survey area are in four distinct directions; northerly to west-northwest and are usually diabase filled. The granitic contact may also be a fault or shear zone trending in a northeasterly direction.

Faulting and/or shearing may be present in an east-northeast and near parallel to the strike of the lithological units. These are generally represented by extreme magnetic lows usually less than 58,800 gammas. The magnetic lows near the ultramafic intrusives such as Line 52+00 East at 40+00 North and 44+00 North, and Line 68+00 East and Line 72+00 East at about 47+00 North to 48+00 North, are probably due to these bodies and may not represent carbonatized fault and/or shear zones.

The large area in Denton Township from Line 64+00 East at 17+00 North to Line 88+00 East at 25+00 North represented by a magnetic low may be due to carbonatized shear zones parallel to the lithology and offset by a fault and diabase dike.

CONCLUSIONS

The magnetic survey was a limited success in locating lithological units. The anomalies due to the diabase dikes has made the interpretation in certain areas difficult in locating and tracing geological contacts.

The most prominent structural feature of the area appear to be ultramafic intrusives of suspected gabbroic composition in an easterly bearing.

Some of the magnetic lows may be due in part to carbonatization of the metavolcanics and may be a favourable target for further investigation. The shear zones near the southwestern portion of Godon Lake appear to be parallel to the lithology and are difficult to define.

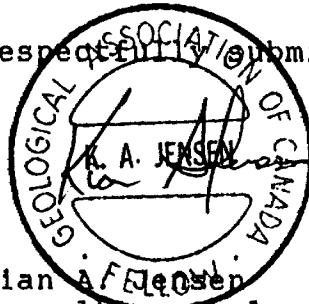
RECOMMENDATIONS

Based upon the results of the present survey and the available information, the author recommends a limited amount of prospecting, an electromagnetic survey and geological mapping of the property. The areas of importance for gold mineralization is in the vicinity of the magnetic lows in areas of suspected shear zones. The ultramafic intrusives may be host to base metal mineralization and should be investigated.

Based upon the results of the recommended work, minor trenching may be warranted and possibly a limited diamond drilling program.

Dated at Timmins, Ontario  
November 2, 1989

Respectfully submitted,



Kian A. Jensen  
Consulting Geologist/Geophysicist

Qual

2.3969

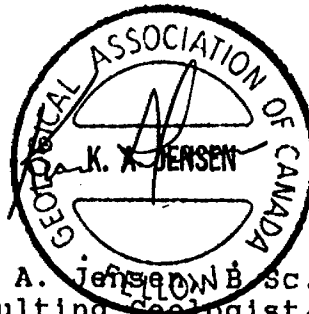
CERTIFICATE

With reference to my report on the Magnetic Survey on the Keefer-denton North Property of Keefer Lake Resources Inc. Dated November 2, 1989.....

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 2nd of November, 1989  
Timmins, Ontario



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

Qual.

## 1.0 GENERAL INFORMATION

### 1.1 INTRODUCTION

The Model G - 826 Portable Proton Magnetometer is a complete system designed for man-carry field applications requiring simple operation and stable measurements of the total intensity of the earth's magnetic field. The G - 826 is accurate and has a sensitivity of  $\pm 1$  gamma over a range from 20,000 to 90,000 gammas. Since the instrument measures total field intensity, the accuracy of each measurement is not affected by sensor orientation. The inherent simplicity of the G - 826 proton magnetometer allows rapid, accurate measurements to be obtained from a rugged, compact field instrument. This is a precision instrument and reasonable attention must be given to handling, battery condition, and magnetic environment.

### 1.2 MAGNETIC ENVIRONMENT

It is important that the earth's magnetic field is not perturbed by allowing unwanted magnetic objects to come close to the sensor. Such objects include rings, keys, watches, belt buckles, pocket knives, metal pencils, zippers, etc. When the sensor is used on the staff, one gamma surveys are easily performed provided the sensor is kept at a distance of three feet from the operator. When the sensor is used in the backpack, certain articles of clothing and some types of batteries within the console will cause a five to ten gamma heading error in the readings. The G - 826, however, still provides one gamma sensitivity and repeatability despite the presence of such a base line shift. The backpack feature is recommended for use in difficult terrain where "hands free" operation is required.

Prior to survey use, objects that are suspected to be magnetic may be checked in the following manner:

1. Attach sensor to staff and connect coiled signal cable to console. Sensor should not be moved or turned during the test, and the suspected article should be far away initially.
2. Cycle the magnetometer a few times by depressing the READ button--releasing--and waiting for a reading each cycle.

Operating Manual  
Model G - 826  
Portable Proton Magnetometer

3. Observe measurement readings. Each reading should repeat to  $\pm 1$  gamma. (A slow shift may occur over several minutes due to a diurnal change in the earth's field.)
4. Place the suspected article at the distance from the sensor expected during actual survey operation.
5. Cycle magnetometer several times and note the readings.
6. Remove the article and repeat steps 2 and 3 to check for diurnal shifts in the earth's field. If a diurnal shift is present, repeat entire test.
7. If the readings obtained in step 5 differ by more than  $\pm 1$  gamma ( $\pm$  one count) from those obtained in steps 3 and 6, then the article is magnetic.

IF THE ARTICLE IS HIGHLY MAGNETIC, OR IF THE SENSOR IS INSIDE OR NEAR A BUILDING OR VEHICLE, THE PROTON PRE-CESSION SIGNAL WILL BE LOST, GIVING COMPLETELY ERRATIC READINGS AND LOSS OF  $\pm 1$  COUNT REPEATABILITY.

The magnetometer should not be operated in areas that are known sources of radio frequency energy, power line noise (transformers), in buildings or near highly magnetic objects. The sensor should always be placed on the staff above the ground, or in the "backpack." The sensor will NOT operate properly when placed directly on the ground.

### 1.3 SPECIFICATIONS

Sensitivity:	$\pm 1$ gamma throughout range
Range:	20,000 to 90,000 gammas (worldwide)
Tuning:	Multi-position switch with signal amplitude indicator light on display
Gradient Tolerance:	Exceeds 800 gammas/feet

Operating Manual  
 Model G - 826  
 Portable Proton Magnetometer

Sampling Rate: Manual push button, one reading each six seconds.

Output: Five digit numeric display with readout directly in gammas.

Power Requirements: Twelve 1.5 volt "D" cell universally available flashlight-type batteries. Charge state or replacement signified by flashing indicator light on display.

Temperature Range: Console and sensor:  $-40^{\circ}$  to  $+85^{\circ}$  C.  
 Battery pack:  $0^{\circ}$  to  $+50^{\circ}$  C (limited use to  $-15^{\circ}$  C; lower temperature battery belt operation - optional).

Accuracy (Total Field):  $\pm 1$  gamma through  $0^{\circ}$  to  $+50^{\circ}$  C temperature range.

Sensor: High signal, noise cancelling, mounted on staff or attached to backpack.

Size: Console: 3.5 x 7 x 11 inches  
 (9 x 18 x 28 cm)  
 Sensor: 3.5 x 5 inches (9 x 13 cm)  
 Staff: 1 inch diameter x 8 ft. length  
 (3 cm x 2.5 m)

Weight:

	Lbs.	Kgs.
Console (w/batteries):	5.5	2.5
Sensor and signal cable:	4	1.8
Aluminum staff:	2	.9
	<hr/> 11.5	<hr/> 5.2



DOCUMENT NO.  
W000000120

Instructions  
- Please type or print.  
- Refer to Section 77, the Mining Act for assessment work requirements and maximum credits allowed per survey type.  
- If number of mining claims traversed exceeds space on this form, attach a list

**Report of Work**  
(Geophysical, Geological and Geochemic)

**Mining Act**



Type of Survey(s) **MAGNETIC SURVEY** Mi **P**

Recorded Holder(s) **KEEFER LAKE RESOURCES INC. 2.**

Address **P.O. BOX 72, KING CITY, ONTARIO, L0G 1K0** Telephone No. **(705) 268-0111**

Survey Company **KIAN A. JENSEN EXPLORATION AND CONSULTING SERVICES**

Name and Address of Author (of Geo-Technical Report) **K. A. JENSEN, P.O. BOX 37, SOUTH PORCUPINE, ONT. P0N 1H0** Date of Survey (from & to) **31 08 89 07 09 89**

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

Mining Claim		Mining Claim		Mining Claim	
Prefix	Number	Prefix	Number	Prefix	Number
P	947837	P	947875	✓	
P	947838	P	947876	✓	
P	947839	P	947877	✓	
P	947840	P	947878	✓	
P	947841	P	947879	✓	
P	947842	P	947880	✓	
P	947843	P	947885	✓	
P	947844	P	947836	✓	
P	947845	P	947887	✓	
P	947858	P	947888	✓	
P	947868	P	947889	✓	
P	947869				
P	947870				
P	947871				
P	947872				
P	947873				
P	947874				

Total number of mining claims covered by this report of work. **28 claims**

Certification Verifying Report of Work

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

Name and Address of Person Certifying **KIAN A. JENSEN, P.O. BOX 37, SOUTH PORCUPINE, ONTARIO P0N 1H0**

Date **Sept 8 / 89** Certified By (Signature) *Kian Jensen*

**For Office Use Only**

ONTARIO GEOLOGICAL SURVEY ASSESSMENT FILES OFFICE  
JAN 30 1990

RECEIVED  
SEP 8 1989  
13:20 JH

RECORDED  
SEP - 8 1989

Total Days Cr. Recorded <b>1120</b>	Date Recorded <b>SEP 8, 1989</b>	Mining Registrar <i>[Signature]</i>
	Date Approved as Recorded <b>30 Jan 90</b>	Provincial Manager Mining Lands <i>[Signature]</i>

DOCUMENT No.  
 W8908-430

- Instructions
- Please type or print.
  - Refer to Section 77, the Mining Act for assessment work requirements and maximum credits allowed per survey type.
  - If number of mining claims traversed exceeds space on this form, attach a list.
  - Technical Reports and maps in duplicate should be submitted to Mining Lands Section, Mineral Development and Lands Branch:

Name of Survey(s): **MAGNETIC SURVEY 2.12851** Mining Division: **PORCUPINE** Township or Area: **KEEFER & DENTON TWP**

Recorded Holder(s): **KEEFER LAKE RESOURCES INC.** Prospector's Licence No.: **T-5010**

Address: **P.O. BOX 72, KING CITY, ONTARIO, L0G 1K0** Telephone No.: **(705) 268-0111**

Survey Company: **KIAN A. JENSEN EXPLORATION AND CONSULTING SERVICES**

Name and Address of Author (of Geophysical Report): **K. A. JENSEN, P.O. BOX 37, SOUTH PORCUPINE, ONT. P0N 1H0** Date of Survey (from & to): **31 08 89 07 09 89**

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	<input checked="" type="checkbox"/> Electromagnetic <input type="checkbox"/> Magnetometer <input type="checkbox"/> Other	40
For each additional survey: Using the same grid: Enter 20 days (for each)	<input type="checkbox"/> Geological <input type="checkbox"/> Geochemical	

On Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	<input type="checkbox"/> Electromagnetic <input type="checkbox"/> Magnetometer <input type="checkbox"/> Other	
	<input type="checkbox"/> Geological <input type="checkbox"/> Geochemical	

Airborne Credits	Geophysical	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	<input type="checkbox"/> Electromagnetic <input type="checkbox"/> Magnetometer <input type="checkbox"/> Other	

Total miles flown over claim(s):

Date: \_\_\_\_\_ Recorded Holder or Agent (Signature): \_\_\_\_\_

Mining Claims Traversed (List in numerical sequence)

Mining Claim		Mining Claim		Mining Claim	
Prefix	Number	Prefix	Number	Prefix	Number
P	947837 ✓	P	947875 ✓		
P	947838 ✓	P	947876 ✓		
P	947839 ✓	P	947877 ✓		
P	947840 ✓	P	947878 ✓		
P	947841 ✓	P	947879 ✓		
P	947842 ✓	P	947880 ✓		
P	947843 ✓	P	947885 ✓		
P	947844 ✓	P	947886 ✓		
P	947845 ✓	P	947887 ✓		
P	947858 ✓	P	947888 ✓		
P	947868 ✓	P	947889 ✓		
P	947869 ✓				
P	947870 ✓				
P	947871 ✓				
P	947872 ✓				
P	947873 ✓				
P	947874 ✓				

Total number of mining claims covered by this report of work: **28 claim**

**Certification Verifying Report of Work**

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

Name and Address of Person Certifying: **KIAN A. JENSEN, P.O. BOX 37, SOUTH PORCUPINE, ONTARIO P0N 1H0**

Telephone No: **(705) 268-0111** Date: **Sept 8 / 89** Certified By (Signature): **Kian Jensen**

**Office Use Only**

Total Days Recorded: <b>420</b>	Date Recorded: <b>SEP 8, 1989</b>	Mining Reporter: <i>[Signature]</i>
	Date Approved as Recorded: _____	Provincial Manager, Mining Lands: _____

Received Stamp: **RECEIVED**

SEP 8 1989

13:00 *[Signature]*

RECORDED

SEP - 8 1989

**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. 43/70	W 26/77	11/3/77	S.R.O.	188543
(2) SEC. 43/80	FEB. 3/86		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. 66/83		M.R.O.	

(R5) 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

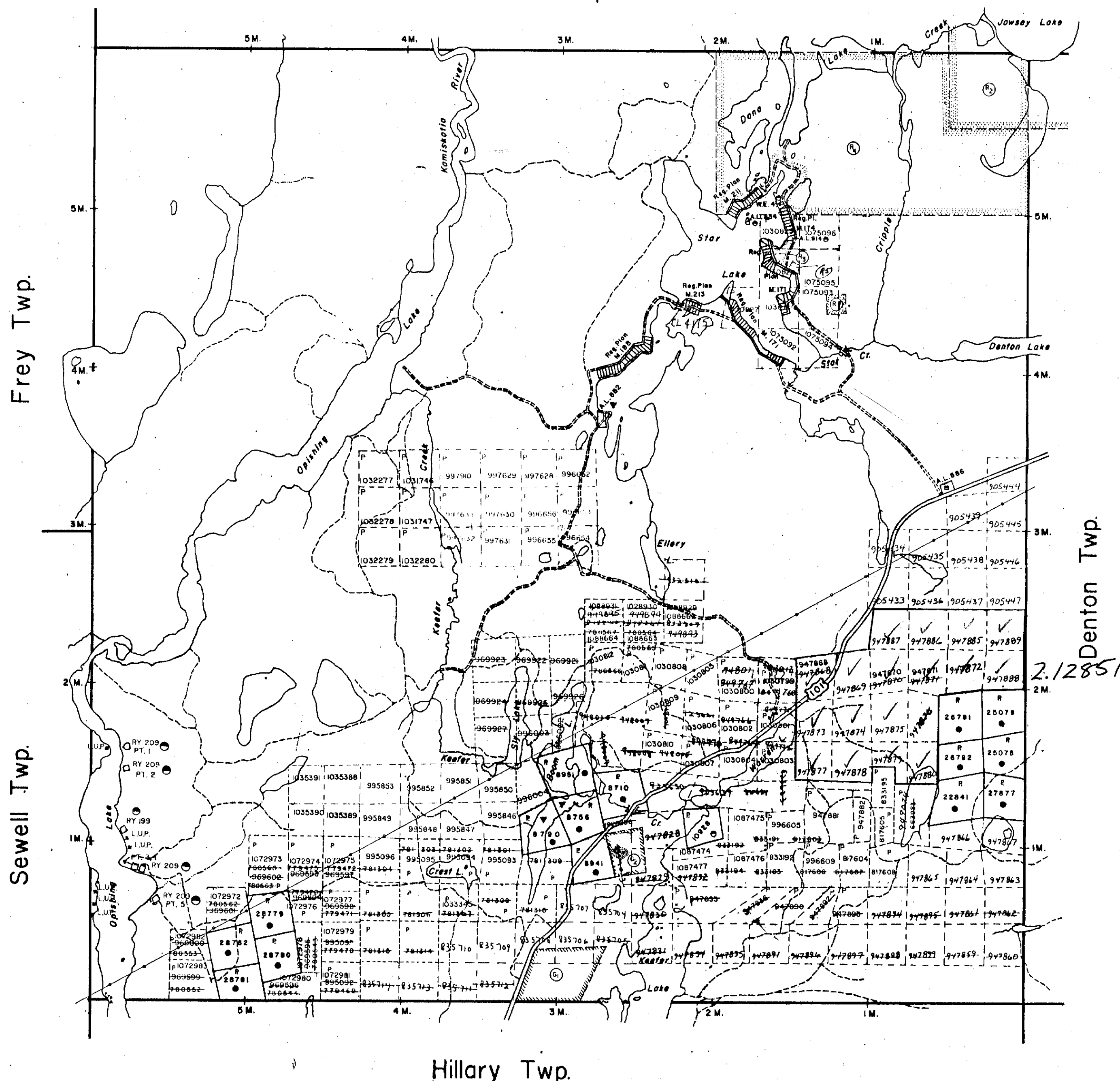
and/or

Mr. Pierre Corbeil

Waferboard Group

Telephone: 268-1462

**Whitesides Twp.**



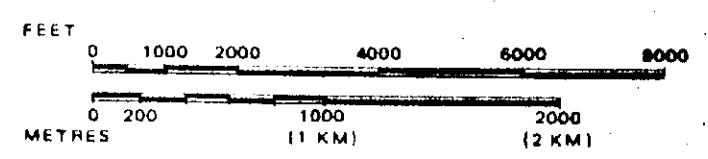
**LEGEND**

- 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

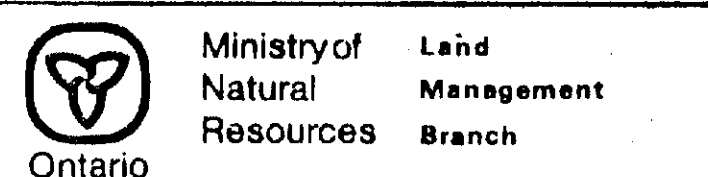
**DISPOSITION OF CROWN LANDS**

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	

SCALE: 1 INCH = 40 CHAINS



TOWNSHIP  
**KEEFER**  
M.N.R. ADMINISTRATIVE DISTRICT  
**TIMMINS**  
MINING DIVISION  
**PORCUPINE**  
LAND TITLES / REGISTRY DIVISION  
**COCHRANE**



Date MARCH, 1985  
Rec'd Apr. 4/85 checked A.H.  
Number **G-3237**

**Hillary Twp.**



REFERENCES

AREA - LINDHAWN FROM DISPOSITION

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

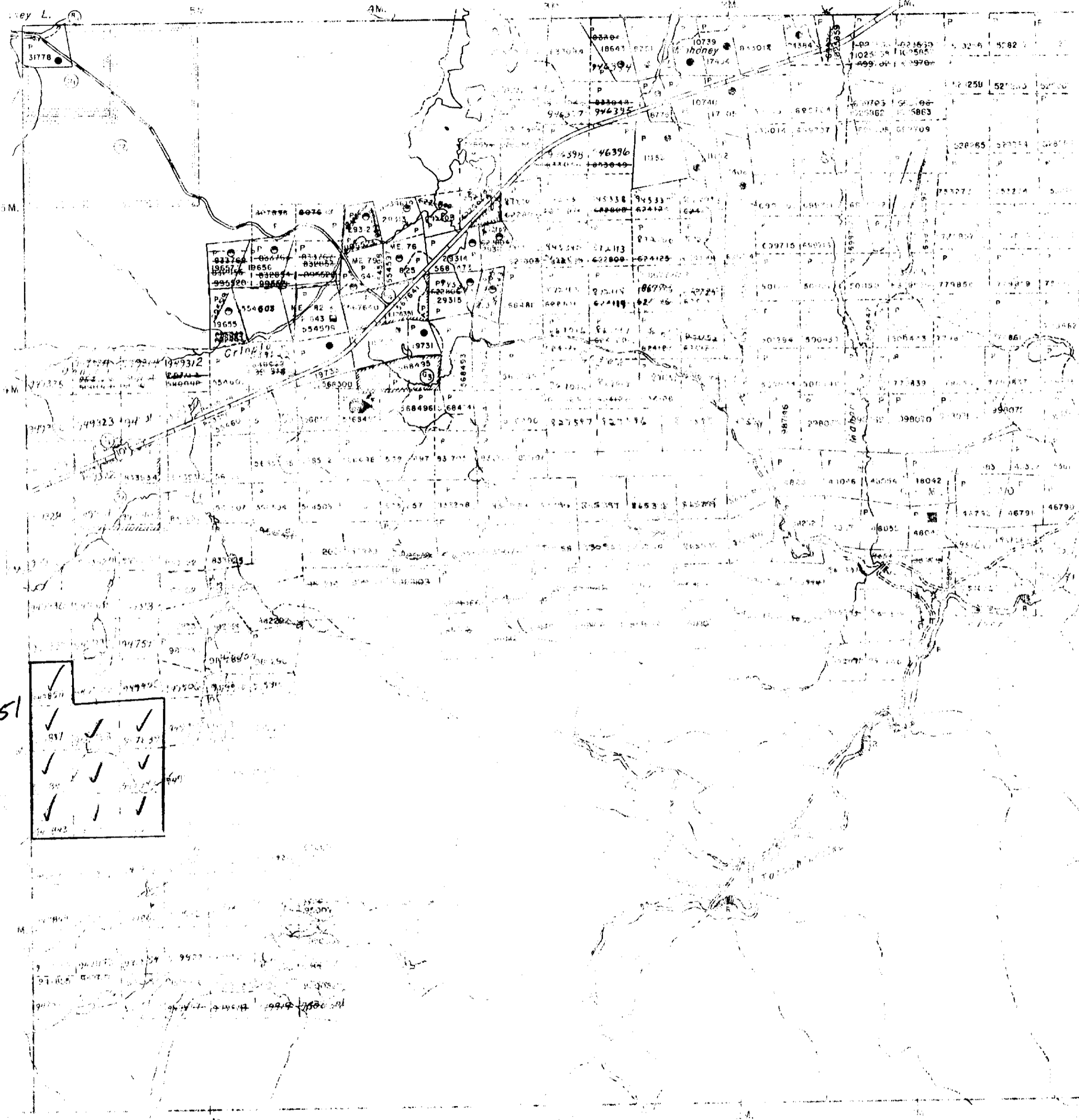
Description	Date	Disposition	File

MINING AND SURFACE RIGHTS RESERVE

DATE OF DISPOSITION

DATE OF DISPOSITION

CARSCALEN TWP.



LEGEND

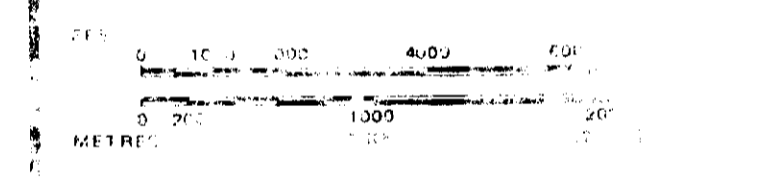
- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
  - TOWNSHIPS, BASE LINES, ETC.
  - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
  - LOT LINES
  - PARCEL BOUNDARY, MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN RESERVATIONS
- ORIGINAL SHORE LINE
- MARSH OR MUSKIEG
- M.F.
- 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            |        |
| LICENSE OF OCCUPATION           |        |
| LEASE IN COUNCIL                |        |
| RESERVATION                     |        |
| CANCELLED                       |        |
| SAND & GRAVEL                   |        |

NOTE: MINING RIGHTS ARE PARCELS OF LAND SET OFF IN ORIGINAL PATENTS AND ARE NOT CROWN LANDS

SCALE, 1 INCH = 40 CHAINS



TOWNSHIP

DENTON

MINING DIVISION

MINING DIVISION

MINING DIVISION

MINING DIVISION

MINING DIVISION

MINING DIVISION

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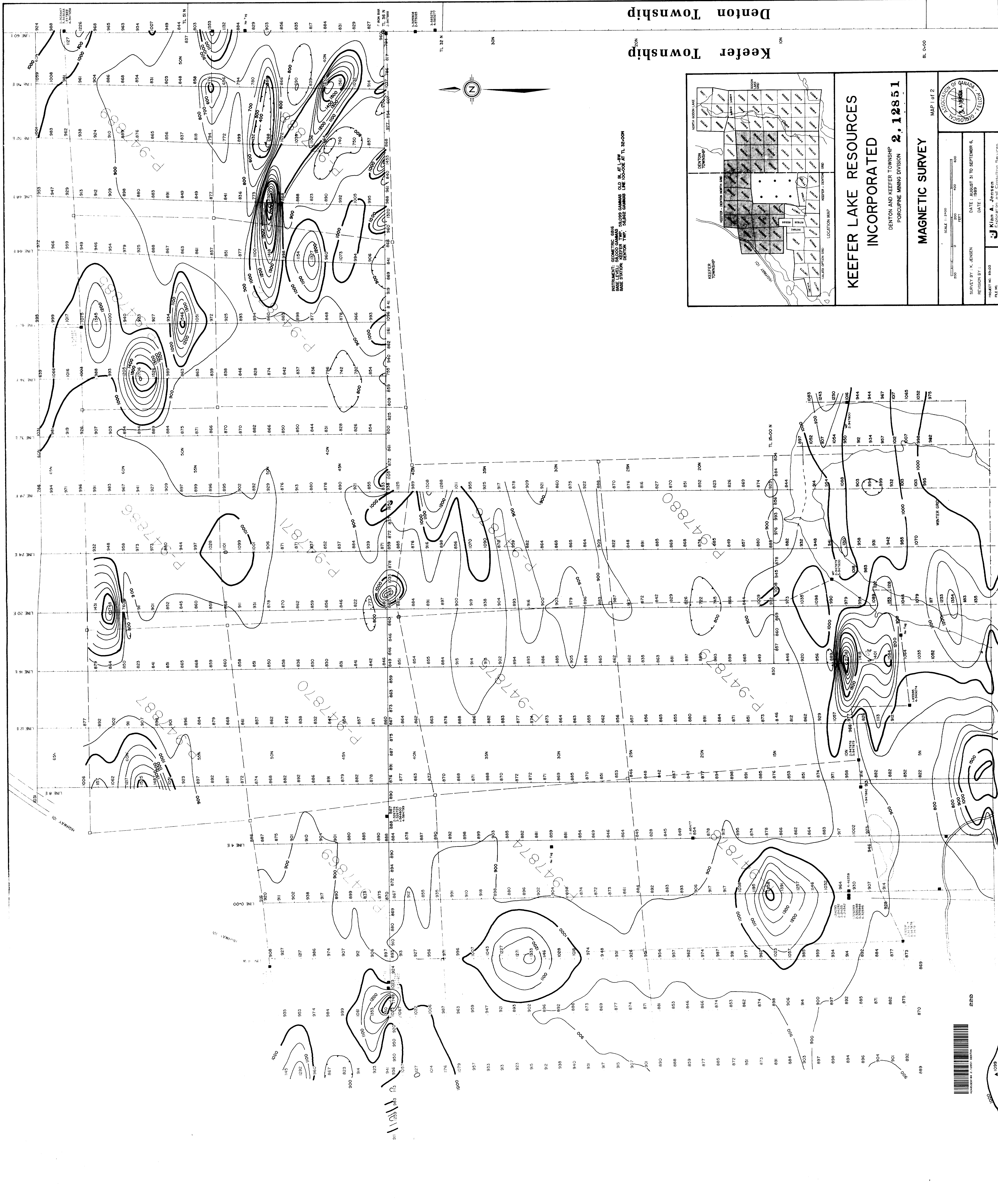
MINING DIVISION

MINING DIVISION



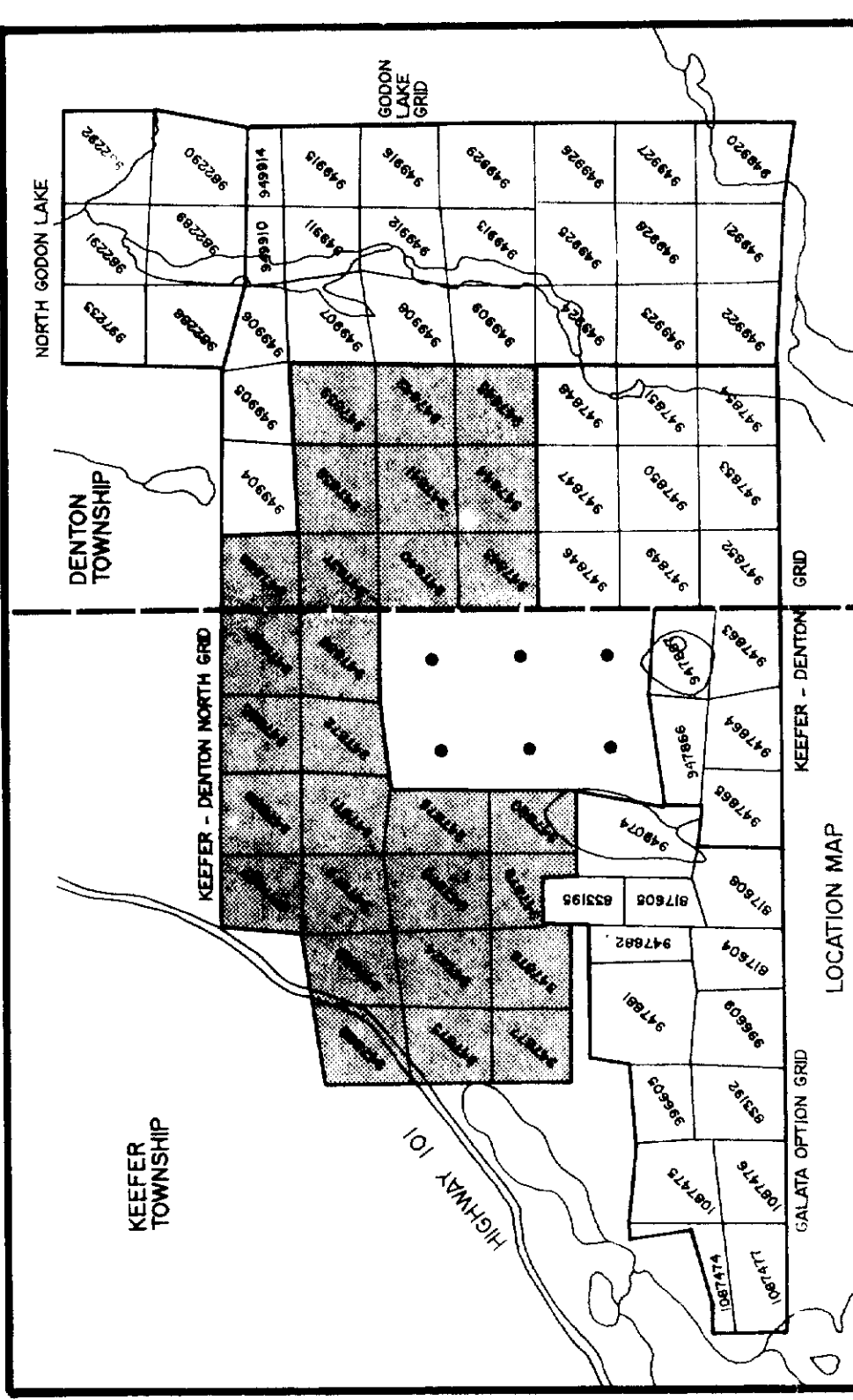
42A058E104 2.12851 DENTON





INSTRUMENT: GEOMETRIC 0216  
 50.000 GAMMAS OLD BL AT LAY  
 BASE STATION: KEEFER TWP. SOURCE GAMMA LINE LOGS OF AT TL 30-00N

Keefer Township  
 Denton Township



**KEEFER LAKE RESOURCES  
 INCORPORATED**  
 DENTON AND KEEFER TOWNSHIP  
 PORCUPINE MINING DIVISION **2.12851**  
**MAGNETIC SURVEY**

SCALE: 1" = 200'  
 0 200 400 600  
 SURVEY BY: K. JENSEN  
 DATE: AUGUST 31 TO SEPTEMBER 6, 1989  
 REVISION BY:  
 DATE:  
 MAP 1 of 2  
 J. Kim A. Jensen  
 CONSULTING AND Geophysical Services  
 1000 W. 10th St.  
 SIOON, NE 68420

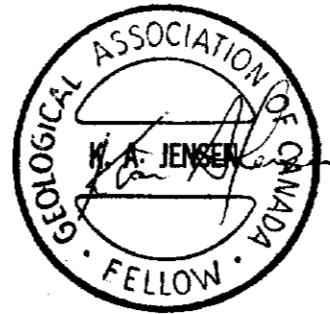




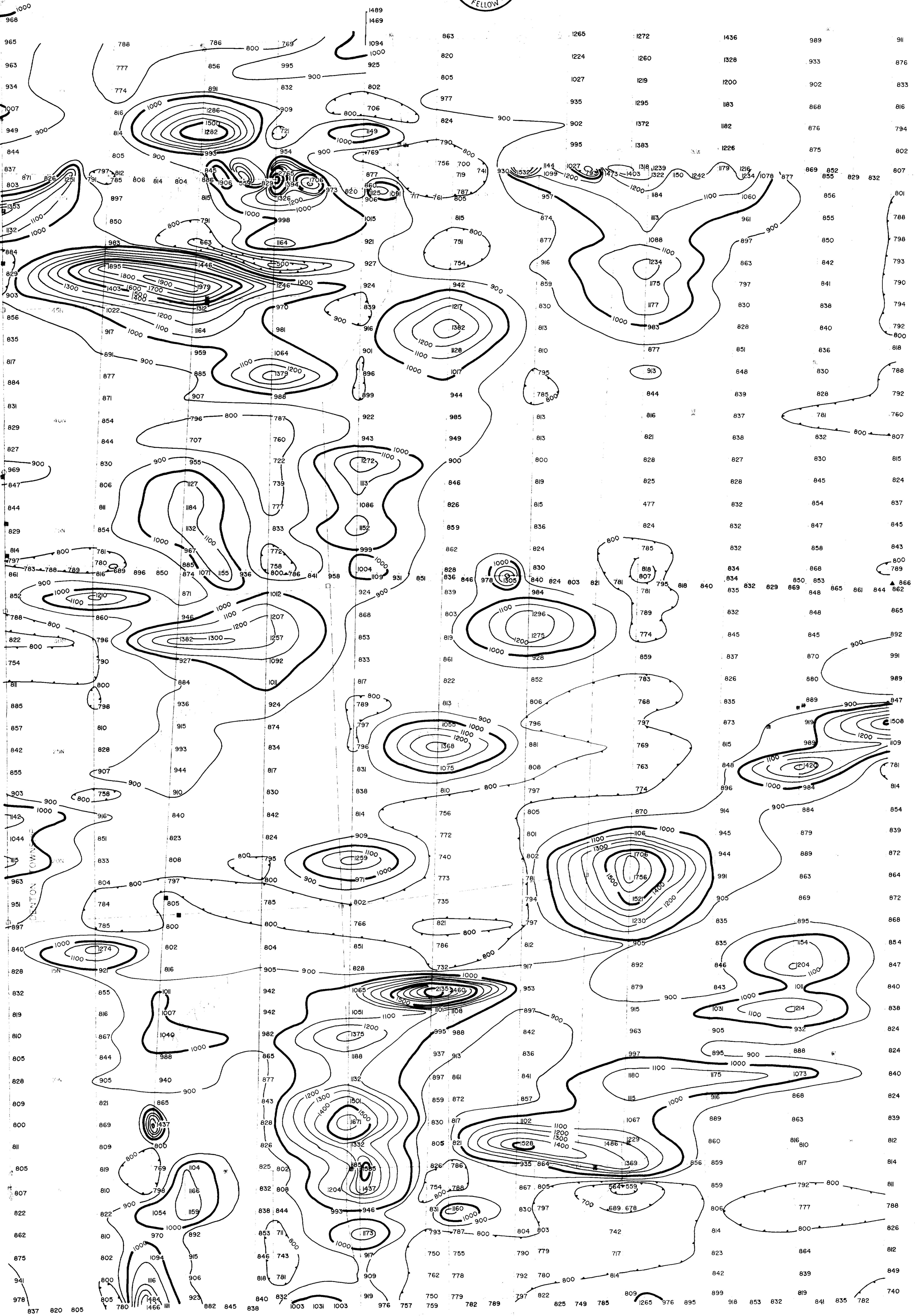
2. 12851

WATER & LAND RESOURCES CORPORATION

MAGNETIC SURVEY



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941  
978



WATER TOWNSHIP

