



42A01NE0008 2.5011 LEBEL

010

REPORT OF MAGNETIC SURVEY  
DURING JUNE, 1982  
ON  
THE GLENORA CLAIM - L-531754  
FORBES - LEAHY PROPERTY  
LEBEL TOWNSHIP, ONTARIO.

BY: C. P. FORBES

*quad on file 2.2689*

KIRKLAND LAKE, ONTARIO

AUGUST 19, 1982.

LOCATION  
AND  
ACCESS

- The Glenora claim, L-531754 is situated in west central Lebel Township, Larder Lake Mining Division, Ontario. Easy access to the claim is readily available, with Highway 66 traversing through the north part of the claim about one half mile east of the town of Kirkland Lake, Ontario.

HISTORY

- The history of this claim dates back to the first days of the Kirkland Lake Gold Camp, having been staked by T. Tough in 1912. This and adjacent claims were acquired by the Gull Lake Mining Co. in 1914, which was superseded by London Gull Lake Mines Ltd. Glenora Gold Mines Ltd. was incorporated in 1933 and took over the property from London Gull Lake Mines Ltd. Extensive surface trenching was carried out and a 465 foot shaft was sunk in 1936. Underground development work was carried out on the 150, 300 and 450 foot levels, with the mine closing in July 1937. A surface diamond drilling program was carried out in 1945. The claims reverted to the Crown in the spring of 1963, the shaft claim eventually being restaked by C. P. Forbes and M. Leahy in December 1979.

GEOLOGY

- The Glenora claim is underlain by Timiskaming sediments and tuffs which are cut by the Murdock Creek fault zone trending northeast-southwest. Fragmental

tuff lying to the southeast is in fault contact with sediments to the northwest along the Murdock Creek fault zone in the south half of the claim. The shaft was sunk on the most encouraging vein on the property which strikes N 85 degrees East and dips steeply to the south, occurring on a tuff-conglomerate contact. To the west it enters Toburn ground, and to the east it is cut off by the Murdock Creek fault. This vein and several branches of the Murdock Creek fault were explored underground. The 1945 diamond drilling explored the Murdock Creek fault zone in 5 deep-angle holes drilled from the southeast. On surface the vein was reported to have assayed 0.259 ounces of gold per ton over a width of 18 inches for a length of 265 feet. On the 150 foot level a length of 45 feet going easterly from the Toburn boundary yielded 0.2 ounces of gold per ton over a width of 42 inches. On the 300 foot level near the Toburn boundary, assays ranging from 0.1 ounces to 0.4 ounces of gold per ton were obtained. Another fracture in the north crosscut was followed by drifting and gave low values up to 0.15 ounces of gold per ton for a length of 30 feet.

MAGNETIC SURVEY  
GENERAL

- During June of 1982 a control system of base and picket lines was cut on the Glenora claim by Mike Leahy. A base line 1,285 feet long was established

along the south boundary of the claim and was carried from the number two to the number three surveyed corners at a bearing of 263 degrees. The 0 line follows the east boundary of the claim from the number two to the number one surveyed corner at a bearing of 353 degrees. Lines 4, 8 and 12 were run due north to the property boundary from the base line. A total of 1.46 miles of control line was established, with stations marked every 100 feet. A magnetic survey was conducted over the grid by Carl. P. Forbes in late June, 1982. The objective of the survey was to outline anomalous areas associated with both the Murdock Creek and Kirkland Lake fault zones. The direction of line was designed to traverse the geology at a fairly high angle.

MAGNETIC SURVEY

- A Sharpe MF-1 fluxgate magnetometer was used to conduct the magnetic survey on June 22-23, 1982. This instrument measures the vertical component of the earth's magnetic field to within 10 gammas. Survey procedure involved the establishment of a control station at 600 west on the base line, an area predetermined to be of flat magnetic response. The instrument was then adjusted to read 200 gammas. The lines were surveyed "loop fashion", tying back to the control station after completing a two line loop. Daily and diurnal adjustments for magnetic drift were calculated for all readings. A total of

141 readings were taken at mostly 50 foot intervals along the lines, accumulating sufficient data to complete a fairly detailed interpretation. The corrected values are plotted on a map scaled at 1 inch equalling 100 feet. Magnetic contours were drawn at 100 gamma intervals with several 200 gamma contours where space is limited.

MAGNETIC SURVEY  
RESULTS

- The Murdock Creek fault zone is well defined by the survey; with the sediments lying northwest of the fault showing flat magnetic response in comparison to the anomalous measurements recorded over the fragmental tuffs lying to the southeast. The area adjacent to the Kirkland Lake fault zone in the western quarter of the claim responds as a magnetic high, with magnetic lows off the high shoulders of the contour lines. This may reflect more accessory magnetite mineralization in the altered area adjacent to the fault zone, with the lows representing a carbonate phase of the altered area. It is interesting to note that the best gold values obtained to date have been in the area of high magnetic response in the western part of the claim. The high reading on line 12 West at 200 north is probably due to a diamond drill casing and iron debris and cables spread around the old drill site. The magnetic depression on line 0 at 150 north could reflect a dipole effect on magnetic readings; or it may

represent an area that is highly carbonatized and would show as a low surrounded by much higher magnetic intensity. Closer line spacing probably would have served to more exactly define the Murdock Creek fault zone.

CONCLUSIONS

- The magnetic survey has been successful in mapping the two fault zones and indicating anomalous areas of interest associated with them. VLF electromagnetic surveys using two stations will be completed to determine if any conductivity is associated with magnetically anomalous areas. Results of the geophysical program and compilation of all previous data will determine the next stage of surface work.

Respectfully submitted,

by Carl P. Forbes  
August 19, 1982.

*Carl P. Forbes*



115618

2.5011

202  
2.5011

1983 09 09

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

Dear Sir:

1 LN-10017

5488

RE: Geophysical (Electromagnetic and Magnetometer) Survey  
on Mining Claims LL531754 in Lebel Township

---

The Geophysical (Electromagnetic and Magnetometer) Survey  
assessment work credits as listed with my Notice of Intent  
dated August 16, 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: Mr. Carl P. Forbes  
33 Premier Avenue West  
Kirkland Lake, Ontario  
P2N 2S7

cc: Resident Geologist  
Timmins, Ontario





Recorded Holder  
**CARL P. FORBES**

Township or Area  
**LEBEL**

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
<b>Geophysical</b> Electromagnetic _____ days Magnetometer <u>20</u> _____ days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological _____ 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 checked="" type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	<b>L 531754</b>

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

No credits have been allowed for the following mining claims

not sufficiently covered by the survey       Insufficient technical data filed

**No credit allowed for the Electromagnetic Survey as reports and maps have not been submitted.**



Ministry of  
Natural  
Resources

Sept 6, 83

1983 08 16

Your file:

Our file: 2.5011

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

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.

For further information, if required, 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: 416/965-1316

D. Kinvig:sc

Encls:

cc: Mr. Carl P. Forbes  
33 Premier Avenue West  
Kirkland Lake, Ontario

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



Ministry of  
Natural  
Resources

Ontario

Notice of Intent  
for Technical Reports

**1983 08 16**

**2.5011**

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.

May 31, 1983

2.5011

Mr. Carl P. Forbes  
33 Premier Avenue West  
Kirkland Lake, Ontario

Dear Sir:

Enclosed is a copy of a Report of Work for Magnetometer & Electromagnetic assessment work credits that was recorded by the recorder in Kirkland Lake on Mining Claim L 531754 in Lebel Township.

We have no record that you provided the Electromagnetic Report and maps to the Minister within the sixty day period provided by Section 77(10) of the Mining Act.

Unless you can provide evidence by June 3rd, 1983 that the reports and maps were submitted as required, the mining recorder will be directed to cancel the work credits for the Magnetometer Survey recorded on June 23, 1982.

Yours very truly,

*Should be Electromagnetic*

E.F. Anderson  
Director  
Land Management Branch

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

D. Kinvig:sc

Encl:

cc: Mining Recorder  
Kirkland Lake, Ontario



*Jan 3/83*

Mining Lands Comments


To: Geophysics *Mr. Barlow*

Comments

<input checked="" type="checkbox"/> Approved	<input type="checkbox"/> Wish to see again with corrections	Date <i>Jan 30/83</i>	Signature <i>R. J. [unclear]</i>
--	---	-----------------------	----------------------------------

To: Geology - Expenditures

Comments

<input type="checkbox"/> Approved	<input type="checkbox"/> Wish to see again with corrections	Date	Signature
-----------------------------------	---	------	-----------

To: Geochemistry

Comments

*LD*

<input type="checkbox"/> Approved	<input type="checkbox"/> Wish to see again with corrections	Date	Signature
-----------------------------------	---	------	-----------

To: Mining Lands Section, Room 6462, Whitney Block. (Tel: 5-1380)

1982 09 21

2.5011

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 Geophysical (Magnetometer) Survey submitted under Special Provisions (credit for Performance and Coverage) on Mining Claim L 531754 in the Township of Lebel.

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: 416/965-1380

J. Skura:sc

cc: Carl P. Forbes  
Kirkland Lake, Ontario

MORRISETTE TP.

TOPOGRAPHY  
LAKES AND RIVERS ETC. FROM FOREST RESOURCES  
INVENTORY SHEETS 481794, 481801, 482794, 482801

SURVEYS  
FIELD NOTE BOOKS: 2430, 2665, 3341, 3529  
PLANS: M14-13, M15-13, M15-30, M30-15, N12-4, P16-14,  
S4-10, X41-23, Y41-2, Y43-41, Y59-45.

HIGHWAYS  
HIGHWAYS THROUGH CROWN LANDS FROM MINISTRY OF  
TRANSPORTATION AND COMMUNICATIONS SURVEY PLANS  
AS NOTED.

AREAS WITHDRAWN FROM DISPOSITION

S.R. - SURFACE RIGHTS		M.R. - MINING RIGHTS	
Description	Order No.	Date	Disposition
①	W10/82	6/1/82	M.R.O.
②	CROWN RES.		164586
<b>SAND AND GRAVEL</b>			
③	GRAVEL FILE 38581		
④	GRAVEL FILE 8816		
⑤	M.T.C. GRAVEL PIT No. 513		
⑥	GRAVEL FILE 29795		
⑦	GRAVEL FILE 42354		
⑧	GRAVEL FILE 105110		

DATE OF ISSUE  
JAN - 4 1983  
Ministry of Natural Resources  
TORONTO

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

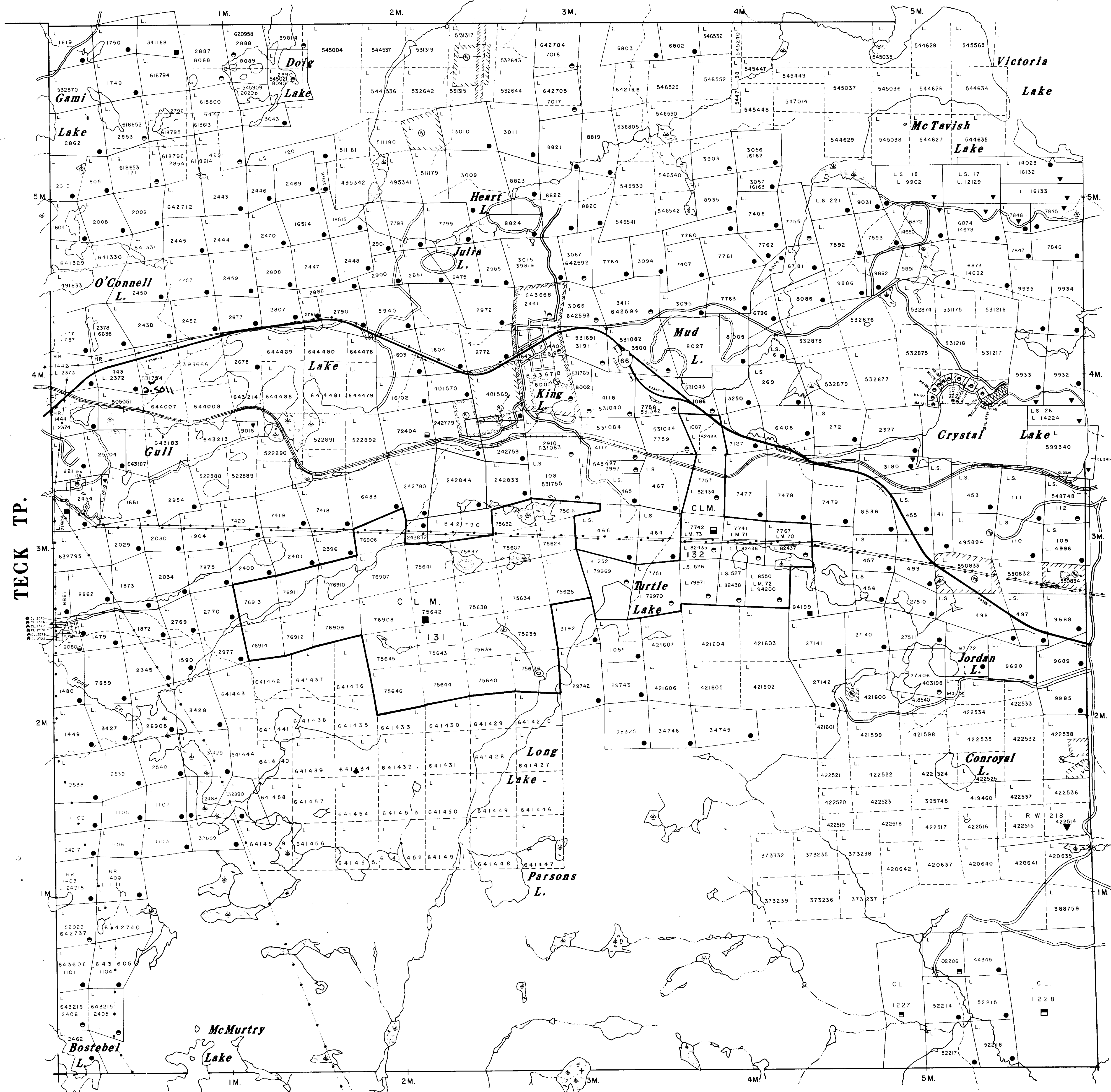
TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LEASE SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER-IN-COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	

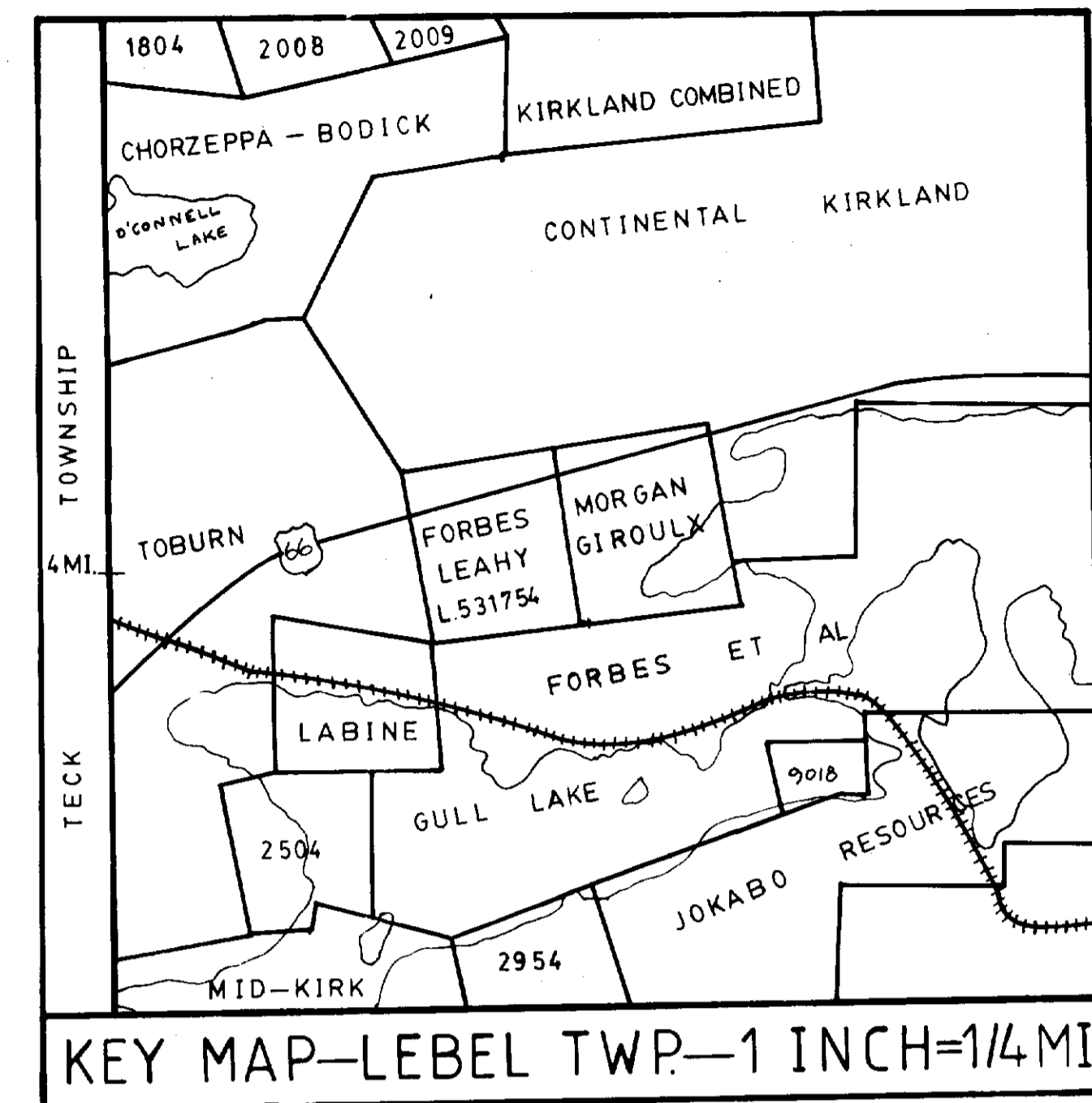
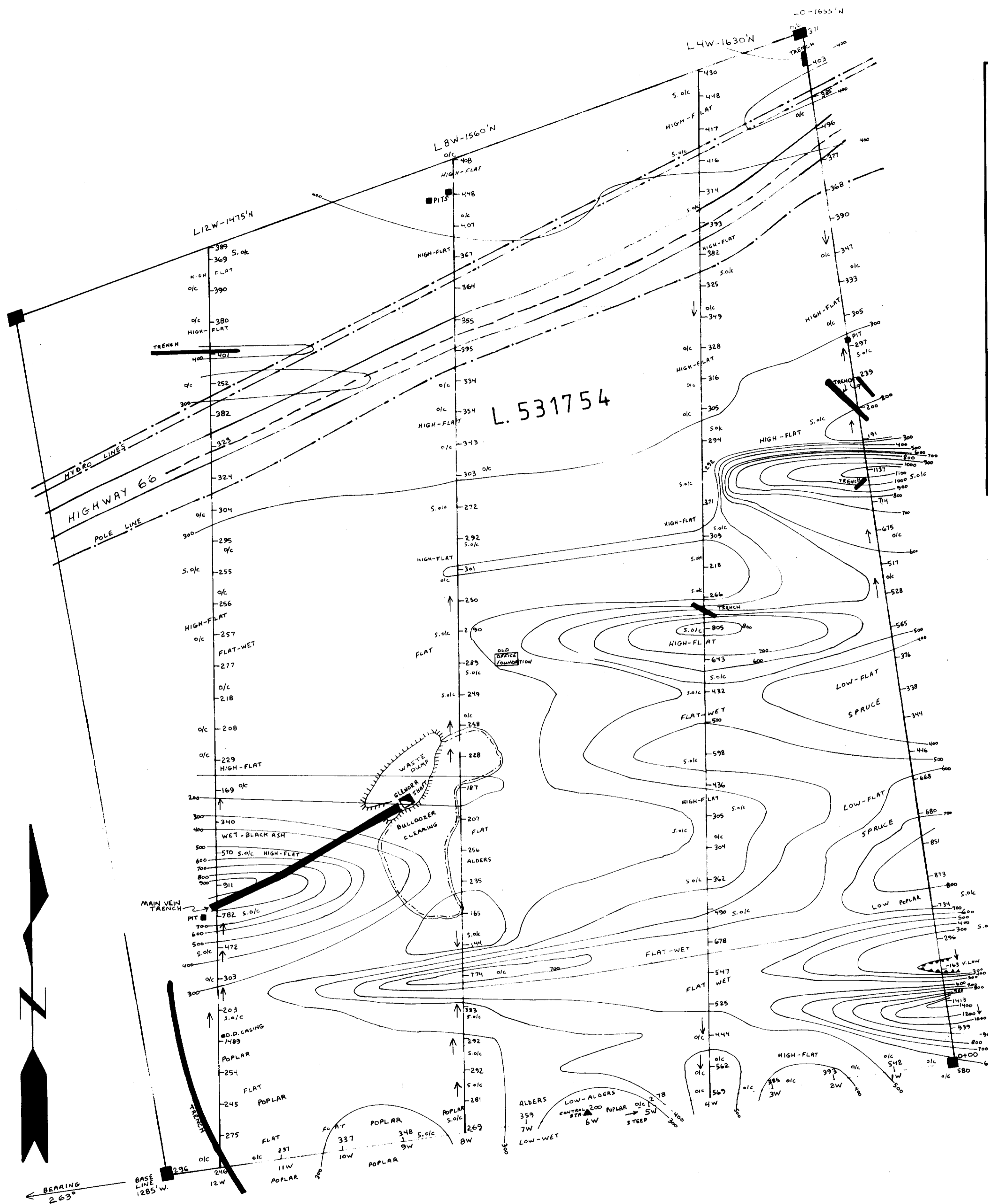
SCALE: 1 inch 20 chains

TOWNSHIP  
**LEBEL**  
M.N.R. ADMINISTRATIVE DISTRICT  
KIRKLAND LAKE  
MINING DIVISION  
LARDER LAKE  
LAND TITLES / REGISTRY DIVISION  
COCHRANE

Ministry of Natural Resources  
Land Management Branch  
Ontario

Date: MARCH 1982 Number: G-639





**MAGNETIC DATA**

INSTRUMENT—SHARPE MF1 FLUXGATE MAGNETOMETER  
 CONTOUR INTERVAL—100 GAMMAS  
 LARGER INTERVAL WHERE SPACE IS LIMITED  
 MAGNETIC DEPRESSION   
 CONTROL STATION 200 GAMMAS

**SURVEY NOTES**

OPERATOR—C. P. FORBES—JUNE 22-23/82  
 DIRECTION OF ARROWS MEANS GOING UP  
 S.O/C MEANS SCATTERED OUTCROP  
 DRAWN BY C. P. FORBES—AUGUST 6, 1982

*Carl P. Forbes*  
 Aug. 6, 1982

**GEOMAGNETIC SURVEY**  
**OF THE GLENORA CLAIM — L. 531754**  
**LEBEL TOWNSHIP — ONTARIO**

SCALE: 1 INCH = 100 FEET



4281NE0088 2.5011 LEBEL