



42A01NE0211 2.1580 TECK

010

RE: SPARK GOLD MINES LIMITED UNDERGROUND OPERATIONS IN 1974

Spark Gold Mines Limited holds six claims centrally located in Teck Township, Larder Lake Mining Division. Immediately prior to their acquisition by Spark these claims were known as the Welsh Property. Numbered 342832, 342833, 342834, 342855, 342856 and 342857, they were recorded in October, 1972.

Situated immediately north of the Macassa Mine and the Tegen property they were once part of Casakirk Gold Mines, Limited and, under that ownership, saw considerable surface and underground work performed.

In 1940 Macassa Mines, Limited, in association with Hollinger Consolidated Gold Mines Limited, and under an option agreement with Casakirk undertook to drive a crosscut on the 2,950-foot level at the Macassa Mine.

This heading drove northerly from the vicinity of Macassa's No. 1 shaft for some 2,000 feet and penetrated 721 feet into Casakirk ground on what is now Spark's easterly claim, numbered 342832. In addition to the crosscutting, some drifting and diamond drilling was also done on Casakirk under this agreement. In 1941 the programme was cancelled and the "Casakirk Crosscut" stood idle.

In March, 1974, W. J. Riddell, P.Eng., prepared a report on the Welsh Property. Upon incorporation the directors of Spark Gold Mines Limited adopted Mr. Riddell's recommendations.

A major portion of the proposed work was 5,200 feet of underground diamond drilling fanned out from a point at or near the north (far) end of the Casakirk crosscut. In order to carry out this phase of the work it was essential - not a matter of choice - to rehabilitate the 2,000 feet of

crosscut which, stripped of track, air lines and water lines, had stood idle for over thirty years. Therefore Spark made arrangements with Wilroy Mines Limited (Macassa Division) for this work to be done.

Following preliminary inspection the crosscut had to be scaled and cleaned up. Two thousand feet of one inch and three inch pipe had to be shipped to Kirkland Lake, taken underground and installed. The back had to be roof-bolted in places. A diamond drill station had to be cut near the end of the crosscut, widening it from 8 feet to 14 feet. This involved drilling, blasting, and hand mucking some 35 tons of slash.

Prior to recommending this work the writer, on June 20th last, discussed the proposed rehabilitation and the credits involved with Mr. J. C. Smith, Chief Mining Recorder, and Mr. E. Craig, Mining Recorder, here at Kirkland Lake. They were most helpful.

The work was done, and supervised, by Macassa. However, before and during the operation I made several trips to the mine and, on August 6th, visited underground with Mr. Fred Nabb, the manager, to see and discuss the progress made. I feel that the work was satisfactory from every viewpoint.

The three letter-size maps accompanying this should serve to locate the property, the crosscut, and the work done by Spark.

January 21, 1975


J. Harling, P.Eng.





see drawing
No. 3

DIAMOND DRILL
STATION CUT

SPARK GOLD MINES LIMITED

NO. 342833

NO. 342832

CROSSCUT

2000 FT. REHABILITATED
CASA KIRK

(P)

(P)

MACASSA

SPARK GOLD MINES LIMITED

- PLAN -

OF 2950-FOOT LEVEL, MACASSA MINE
SHOWING "CASA KIRK CROSSCUT" ON

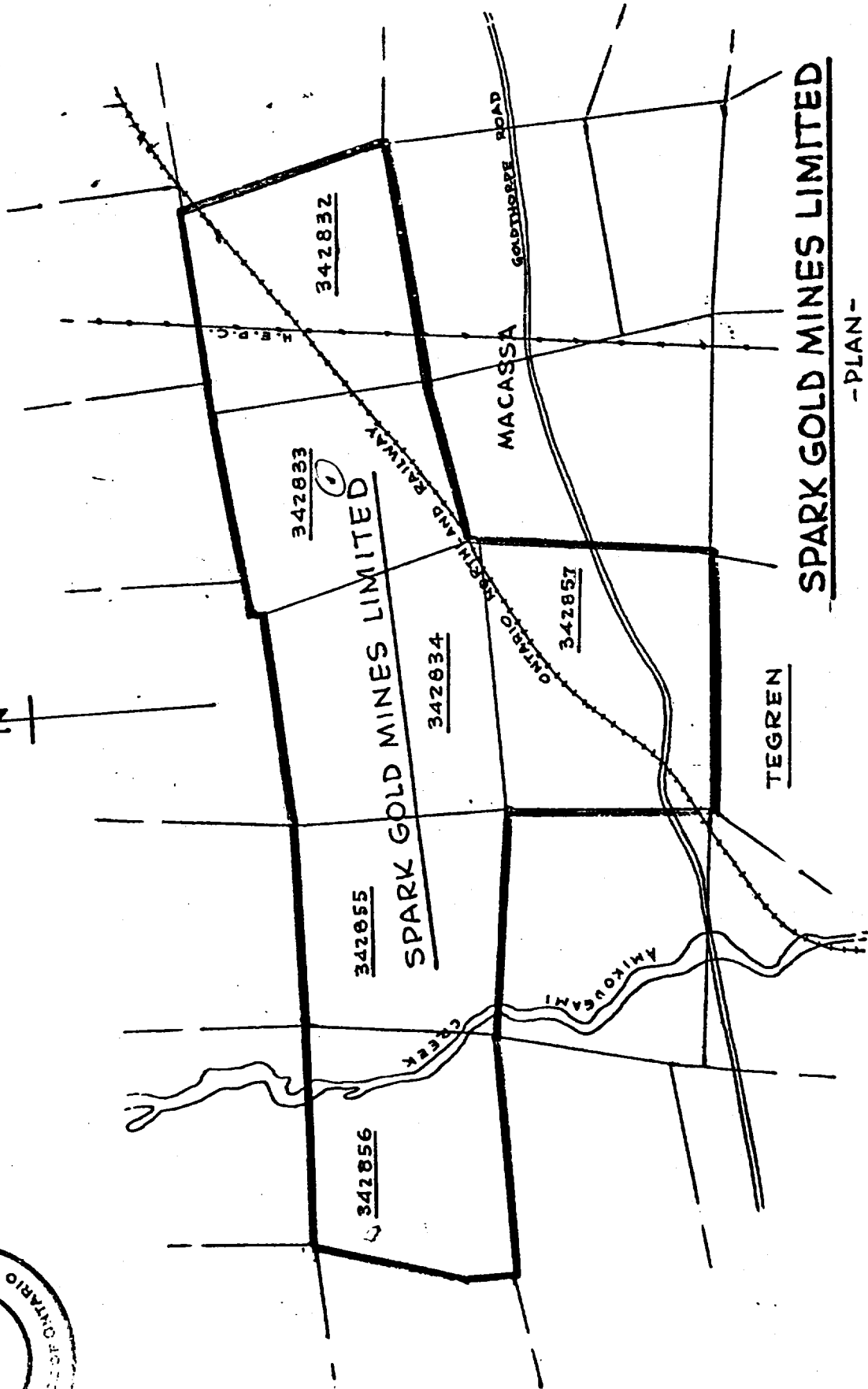
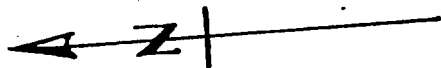
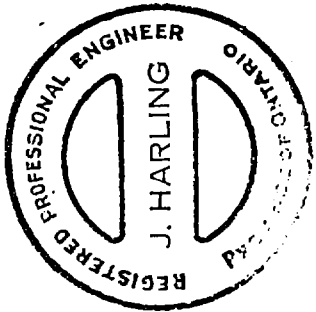
SPARK CLAIM NO. 342832

SCALE: 1 INCH TO 400 FEET

NO. 1 SHAFT

NO. 1 WINZE

NO. 2 SHAFT



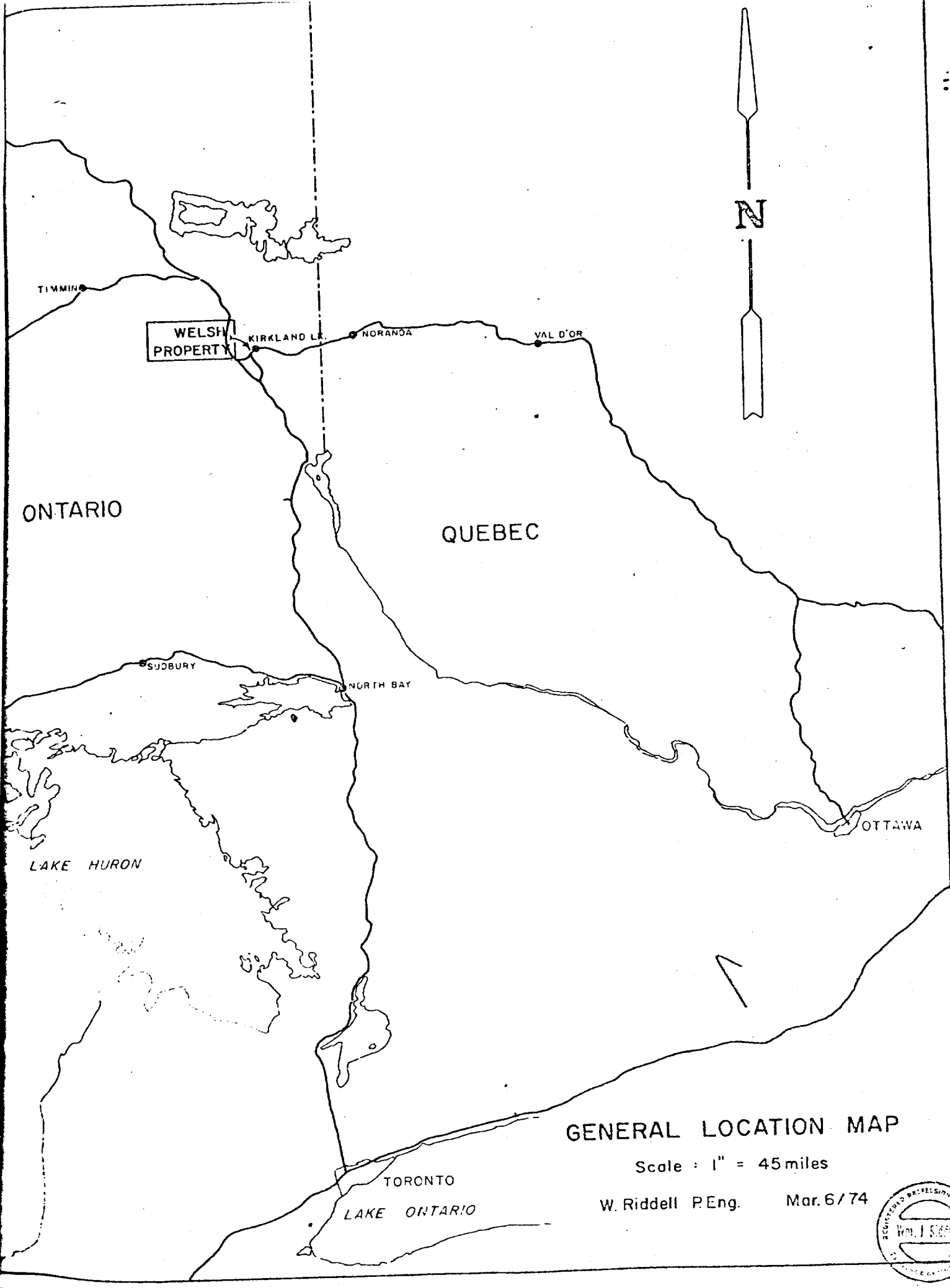
SPARK GOLD MINES LIMITED

- PLAN -

SHOWING LOCATION OF THE SIX
CLAIMS IN THE TOWNSHIP OF TECK,
LARDER LAKE MINING DIVISION

SCALE: 1 INCH TO 1000 FEET

*O is approximately
center of Township of Teck.*



ONTARIO

QUEBEC

N

TIMMINS

WELSH
PROPERTY

KIRKLAND L.

NORANDA

VAL D'OR

SUBURBY

NORTH BAY

OTTAWA

LAKE HURON

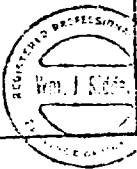
GENERAL LOCATION MAP

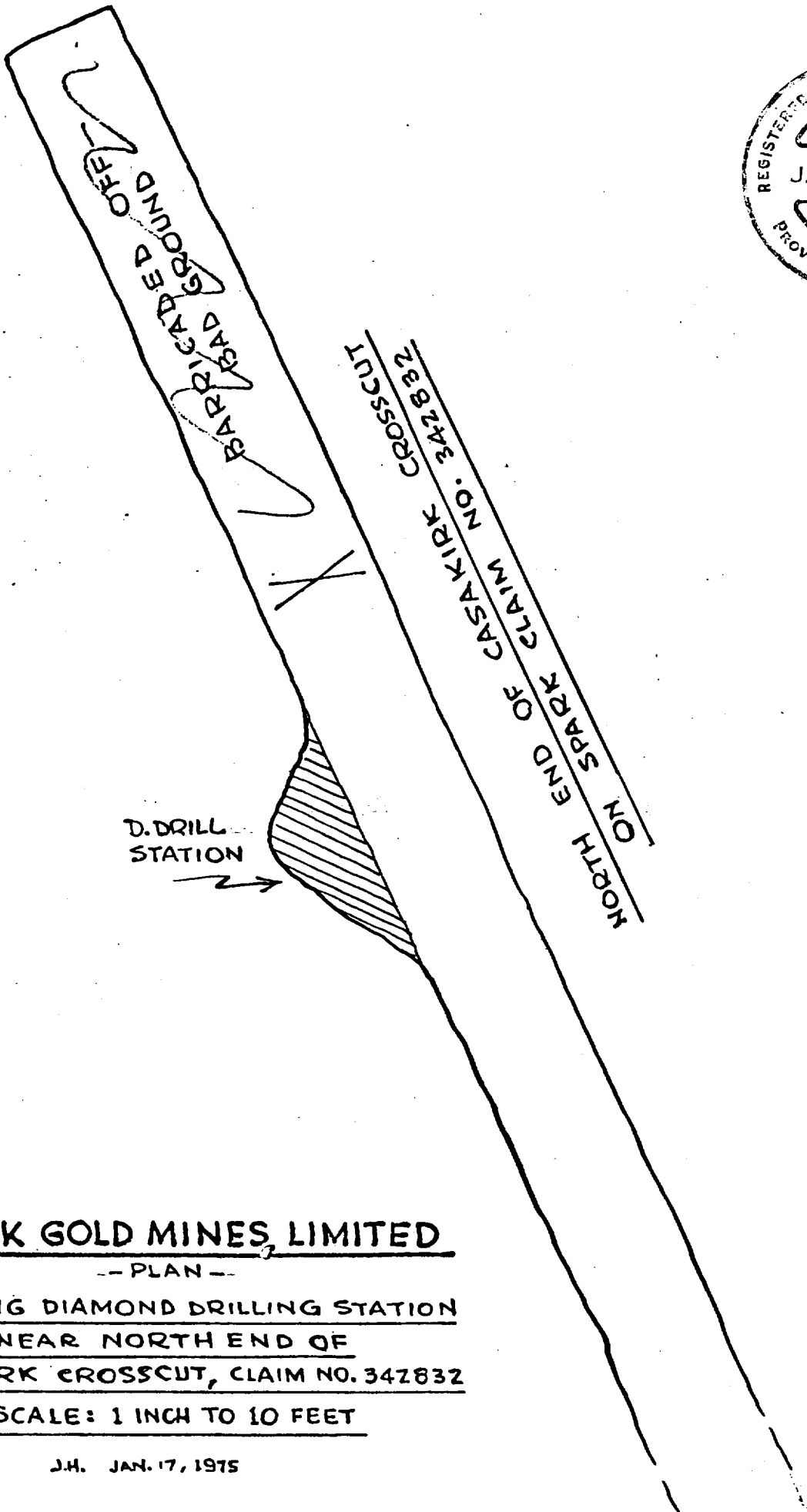
Scale : 1" = 45 miles

TORONTO
LAKE ONTARIO

W. Riddell P. Eng.

Mar. 6/74





SPARK GOLD MINES, LIMITED

-- PLAN --

SHOWING DIAMOND DRILLING STATION
NEAR NORTH END OF
CASAKIRK CROSSCUT, CLAIM NO. 342832

SCALE: 1 INCH TO 10 FEET

J.H. JAN. 17, 1975

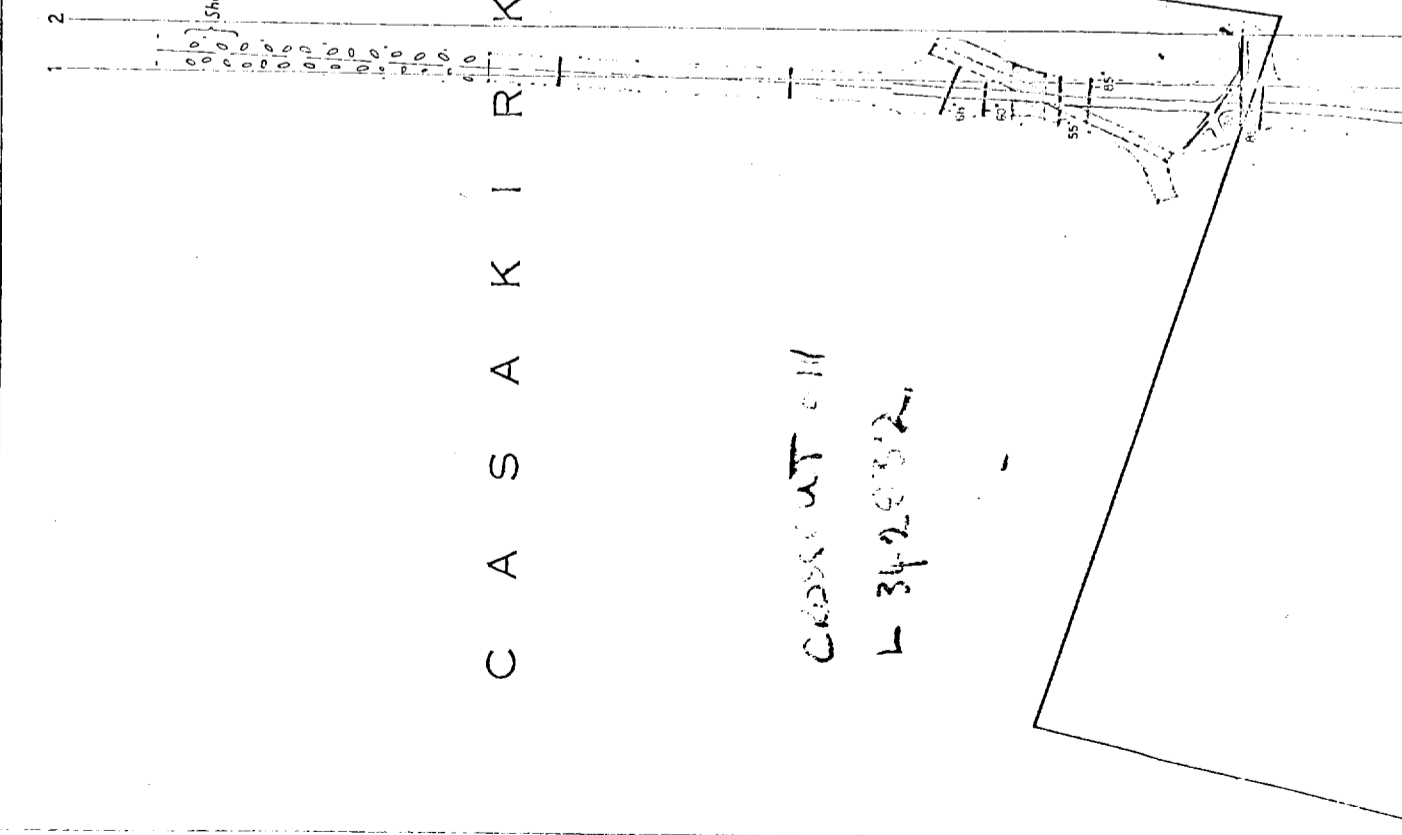
9
8
7
6
5
4
3
2
1

K I R K L A N D L A K E G O L D

C A S A K I R I K

Crosscut 011
L 342932

Sheared





42A01NE0211 2.1580 TECK

File 2.1580

900

Recorded Holder **Spark Gold Mines Limited**

Township or Area **Teck Township**

Type of survey and number of Assessment days credit per claim	Underground Work
<p>Geophysical</p> <p>Electromagnetic _____ days</p> <p>Magnetometer _____ days</p> <p>Radiometric _____ days</p> <p>Induced polarization _____ days</p> <p>Section 86 (18) <u>see across</u> _____ days</p> <p>Geological _____ days</p> <p>Geochemical _____ days</p> <p>Man days <input type="checkbox"/> Airborne <input type="checkbox"/></p> <p>Special provision <input type="checkbox"/> Ground <input checked="" type="checkbox"/></p>	<p>Location of Mine Cross-cut:</p> <p>Mining Claims - L. 342832</p> <p style="padding-left: 40px;">L. 2837 (Patented)</p> <p style="padding-left: 40px;">L. 2838 (Patented)</p> <p>Total amount spent on programme = 5,879.88</p> <p>Less 3/5 of work on 'Patented' land = <u>3,527.94</u></p> <p style="text-align: right;">\$ 2,351.94</p> <p>Total assessment days credit allowed = 157</p> <p>The above mining claim (L. 342832) may be grouped under Section 85(6) of The Mining Act, for the purposes of recording the work credits of <u>157 days</u>.</p> <p style="text-align: center;"><i>L. Benin</i></p> <p>Approved - February 10, 1975</p>
<p>Notice of Intent to be issued:</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><input type="checkbox"/> No credits have been allowed for the following mining claims as they were not sufficiently covered by the survey:</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	

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;

Bernhardt Twp.

THE TOWNSHIP OF

TECK

DISTRICT OF TIMISKAMING

LARDER LAKE MINING DIVISION

SCALE: 1-INCH=20 CHAINS

LEGEND

- PATENTED LAND
- CROWN LAND SALE
- LEASES
- LOCATED LAND
- LICENSE OF OCCUPATION
- MINING RIGHTS ONLY
- SURFACE RIGHTS ONLY
- ROADS
- IMPROVED ROADS
- KING'S HIGHWAYS
- RAILWAYS
- POWER LINES
- MARSH OR MUSKIE
- MINES
- CANCELLED

NOTES

400 surface rights reservation along the shores of all lakes and rivers

Area shown thus [Symbol] for some disposal

Mining Claims 2728 to 1535
 Situated under Section 39 (1) of the Mining Act File 67398

Mining Rights for Claim L 6779
 Subject to Sec 36 of the Mining Act

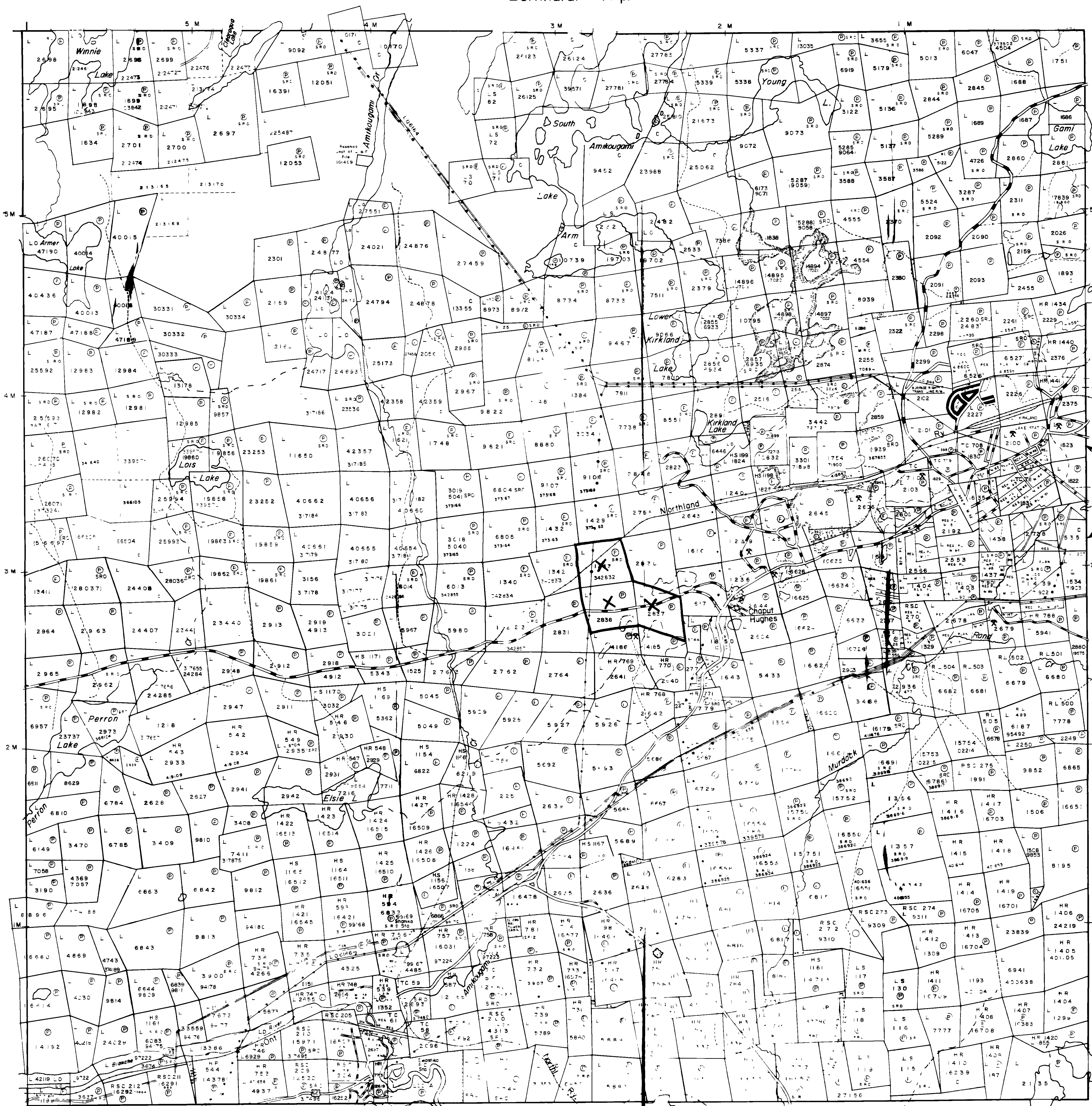
MINING LANDS - DATE OF ISSUE

SEP 30 1974

MINISTRY OF NATURAL RESOURCES

PLAN NO.-M. 392

MINISTRY OF NATURAL RESOURCES SURVEY AND MAPPING DIVISION



Grenfell Twp

Label Twp

Otto Twp.

