

Vertical Loop Electromagnetic Survey
of
Eighteen Claims
in
Frecheville and Holloway Townships
Larder Lake Mining Division



32012SE0046 63.2026 FRECHEVILLE

INTRODUCTION:

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A vertical loop electromagnetic survey over eighteen claims in Frecheville and Holloway townships was started on July 2, 1965 and was completed on November 12, 1965.

The survey was performed by Tri-J Mineral Surveys Ltd., Box 820, South Porcupine, Ontario, under the supervision of A.L. Parres, P. Eng., Box 820, South Porcupine, Ontario.

LOCATION AND ACCESSIBILITY:

Nine of the claims are located in the southwest portion of Frecheville township, Larder Lake Mining Division, and their numbers are: L-90864, L-90865, L-91191, L-91192, L-91193, L-91194, L-91195, L-91196, L-91197.

The claims can be reached by travelling east on Highway 101 for thirty-eight miles from Matheson, then turn north and drive a further 1,000 feet. At this point you travel north on foot for approximately one mile where you will arrive at post #2 of claim L-91191. The other eight claims are located to the west and north of this point. The remaining nine claims are situated in the northwest portion of Holloway township, Larder Lake Mining Division, and their numbers are: L-90735, L-90736, L-90737, L-90861, L-90862, L-90863, L-91180, L-91189, L-91190. These claims can be

West-Holloway

reached by travelling east on Highway 101 for thirty-eight miles from Matheson, then turning north and travelling a further 1,000 feet. At this point you are located roughly in the centre of the south boundary of claim L-90737. The other claims are located west and north from this point.

NAMES AND ADDRESSES OF OWNERS:

The claims are owned by the following persons:

Claims L-90735 to L-90737 - A.L. Parres

Claims L-90861 to L-90865 - A. Maskevich

Claims L-91188 to L-91197 - F.I. Ionson

whose addresses are all: - c/o Box 820, South Porcupine, Ontario.

GEOLOGICAL DATA:

The claims are underlain by precambrian formation, the majority of the property being covered by a layer of glacial drift, sand, boulders, etc.

The only noticeable outcrop is Lightening Mountain (claims L-91191, L-91196, L-91197), this being essentially volcanic greenstone. During the whole survey, no other outcrop was recorded on the property.

EXPLORATION AND DEVELOPMENT TO DATE

No previous exploration or development work is known to have been carried out on these claims.

RESULTS OBTAINED AND CONCLUSIONS:

A fair to good conductor was noted over a distance of 800 feet (map reference: 66-105) and it is recommended that this conductor be tested by the horizontal loop method in order to pinpoint a drill target.

The dip angle profile indicates that the material causing the conductor dips to the southwest, and a diamond drill hole should be collared at 250'S on section line 200'E, and drilled to the northeast at 45° to a minimum depth of 300'.

TYPE OF INSTRUMENT:

A vertical loop electromagnetic unit was used, with a frequency of 1000 c.p.s.

Traverses were made along section lines 200' apart and readings were taken every 100' along these lines.

TOTAL NUMBER OF STATIONS ESTABLISHED:

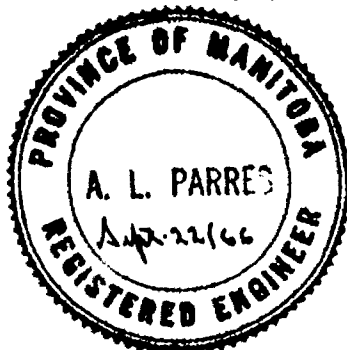
The total number of stations established was 390.

NUMBER OF MILES OF LINE CUT:

The total number of miles of line cut was 7.57 miles.

NAMES AND ADDRESSES, TYPE OF WORK, DAYS AND DATA:

The following personnel were employed during the survey, the preparation of the geophysical plans and reports: (list attached)



A. L. Parres
A. L. Parres P. Eng.



Horizontal Loop Electromagnetic Survey
of
Eight Claims
in
Frecheville and Holloway Townships
Larder Lake Mining Division

INTRODUCTION:

A horizontal loop electromagnetic survey over eight claims in Frecheville and Holloway townships was started on July 5, 1965 and was completed on November 12, 1965.

The survey was performed by Tri-J Mineral Surveys Ltd. Box 820, South Porcupine, Ontario under the supervision of A.L. Parres, P.Eng., Box 820, South Porcupine, Ontario.

LOCATION AND ACCESSIBILITY:

Of the eight claims in the group, four are in the south-east corner of Frecheville township and four in the north-east corner of Holloway township. In each case the claims touch the east boundary of the township and extend four claim lengths to the west, giving a regular shaped group one mile wide and $\frac{1}{2}$ mile deep.

The claims can be located by travelling east on Highway 101 for 41 miles from Matheson. This brings you to the east boundary of Holloway township. Then travel due north for approximately $\frac{1}{2}$ mile through the bush. At this point is #1 post of claim L-91187. All eight claims are now due west from this point.

NAME AND ADDRESS OF OWNER:

The claims are owned by F.I. Ionson, c/o Box 820, South Porcupine, Ontario.

GEOLOGICAL DATA:

The claims are underlain by precambrian formation

Part of the property is covered by a layer of glacial drift, with the main outcrop occurring in the centre of the west half of the block of claims. All samples taken from the outcrop were greenstone.

EXPLORATION AND DEVELOPMENT TO DATE:

No previous exploration or development work is known to have been carried out on these claims.

RESULTS OBTAINED AND CONCLUSIONS:

As will be seen on the accompanying map (reference 66-105-B) an anomalous area was indicated over the area covered by the outcrop i.e. from line 33W to 44W, and from 10S to 10N. As a result of this, trenching operations were carried out (map reference: 66-105-C) and rock samples taken. The samples were all ~~granite~~ greenstone, and it was assumed that the anomaly was caused by "short cables" during the survey due to the uneven nature of the terrain across and over the outcrop.

TYPE OF INSTRUMENT:

A Ronka horizontal loop E.M. unit was used for the survey with a frequency of 876 c.p.s.

Traverses were made along section lines 200 and 300 feet apart with readings taken every 100' along these lines, dropping to every 50' in an anomalous area.

TOTAL NUMBER OF STATIONS ESTABLISHED:

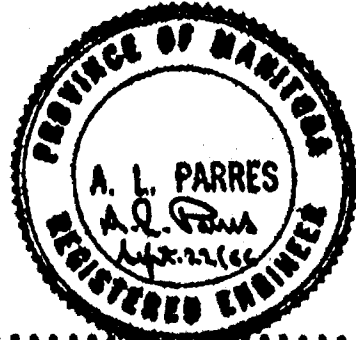
The total number of stations established was 476.

NUMBER OF MILES OF LINE CUT:

The total number of miles of line cut was 8.71 miles.

NAMES AND ADDRESSES, TYPE OF WORK, DAYS AND DATA:

The following personnel were employed during the survey, the preparation of the geophysical plans and reports (list attached).



•A.L. Parres P. Engl••

Horizontal Loop Electromagnetic Survey
of
Eighteen Claims
in
Frecheville and Holloway Townships
Larder Lake Mining Division



32D12SE0046 63.2026 FRECHEVILLE

030

INTRODUCTION:

A horizontal loop electromagnetic survey over eighteen claims in Frecheville and Holloway townships was started on July 2, 1965 and was completed on November 12, 1965.

The survey was performed by Tri-J Mineral Surveys Ltd., Box 820, South Porcupine, Ontario, under the supervision of A.L. Parres, P. Eng., Box 820, South Porcupine, Ontario.

LOCATION AND ACCESSIBILITY:

Nine of the claims are located in the southwest portion of Frecheville township, Larder Lake Mining division, and their numbers are: L-90864, L-90865, L-91191, L-91192, L-91193, L-91194, L-91195, L-91196, L-91197.

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The claims are owned by the following persons:

Claims L-90735 to L-90737 - A.L. Parres

Claims L-90861 to L-90865 - A. Maskevich

Claims L-91188 to L-91197 - F.I. Ionson

whose addresses are all: - c/o Box 820, South Porcupine, Ontario.

GEOLOGICAL DATA:

The claims are underlain by precambrian formation, the majority of the property being covered by a layer of glacial drift, sand, boulders, etc.

The only noticeable outcrop is Lightning Mountain (claims L-91191, L-91196, L-91197), this being essentially volcanic greenstone. During the whole survey, no other outcrop was recorded on the property.

EXPLORATION AND DEVELOPMENT TO DATE:

Prior to this survey, a vertical loop survey was carried out by Tri-J Mineral Surveys Ltd., Box 820, South Porcupine, Ontario. Copies of the reports and maps are enclosed with this report.

RESULTS OBTAINED AND CONCLUSIONS:

This survey confirmed the findings of the vertical loop

survey and pinpointed the drill target at 100'S on section line 200'E. (Map reference: 66-105-A).

This target should be drilled with the drill hole collared at 250'S on section line 200'E, to the northeast at 45° for a minimum depth of 300'.

A further anomaly was noted to the northwest of the above target but it was insufficiently strong to warrant being drilled.

TYPE OF INSTRUMENT:

A Ronka horizontal loop electromagnetic unit was used with a frequency of 876 c.p.s.

Traverses were made along section lines 200 feet apart and readings were taken every 50 feet over an area outlined by a prior survey with a different instrument.

NUMBER OF STATIONS ESTABLISHED:

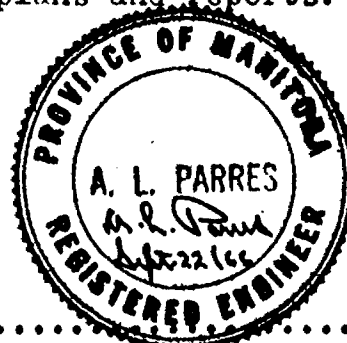
The total number of stations established was 241.

NUMBER OF MILES CUT:

The total number of miles of line cut was 7.37 miles.

NAMES AND ADDRESSES, TYPE OF WORK, DAYS AND DATA:

The following personnel were employed during the survey, the preparation of the geophysical plans and reports: (list attached).



.....
A.L. Parres P. Eng.

ONT. DEPT. OF MINES
MINING LANDS BR.

DATE OF ISSUE

THIS MAP FOR CHECKING
PURPOSES ONLY - MUST
NOT BE SOLD.

DEC 2 1966

ONTARIO DEPT. OF MINES

158

TOWNSHIP OF FRECHEVILLE

LARDER LAKE MINING DIVISION.

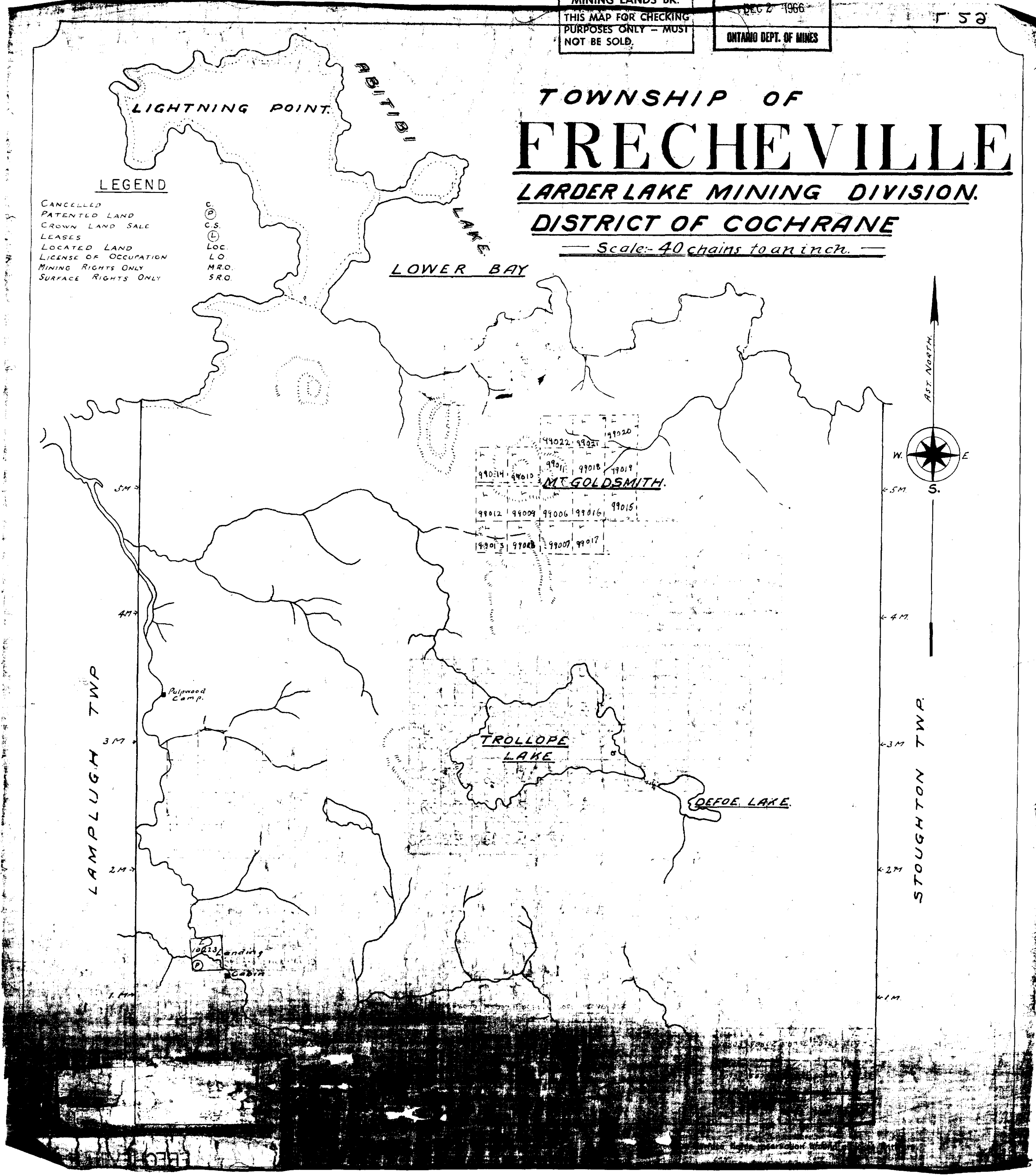
DISTRICT OF COCHRANE

— Scale: 40 chains to an inch. —

LEGEND

CANCELLED
PATENTED LAND
CROWN LAND SALE
LEASES
LOCATED LAND
LICENSE OF OCCUPATION
MINING RIGHTS ONLY
SURFACE RIGHTS ONLY

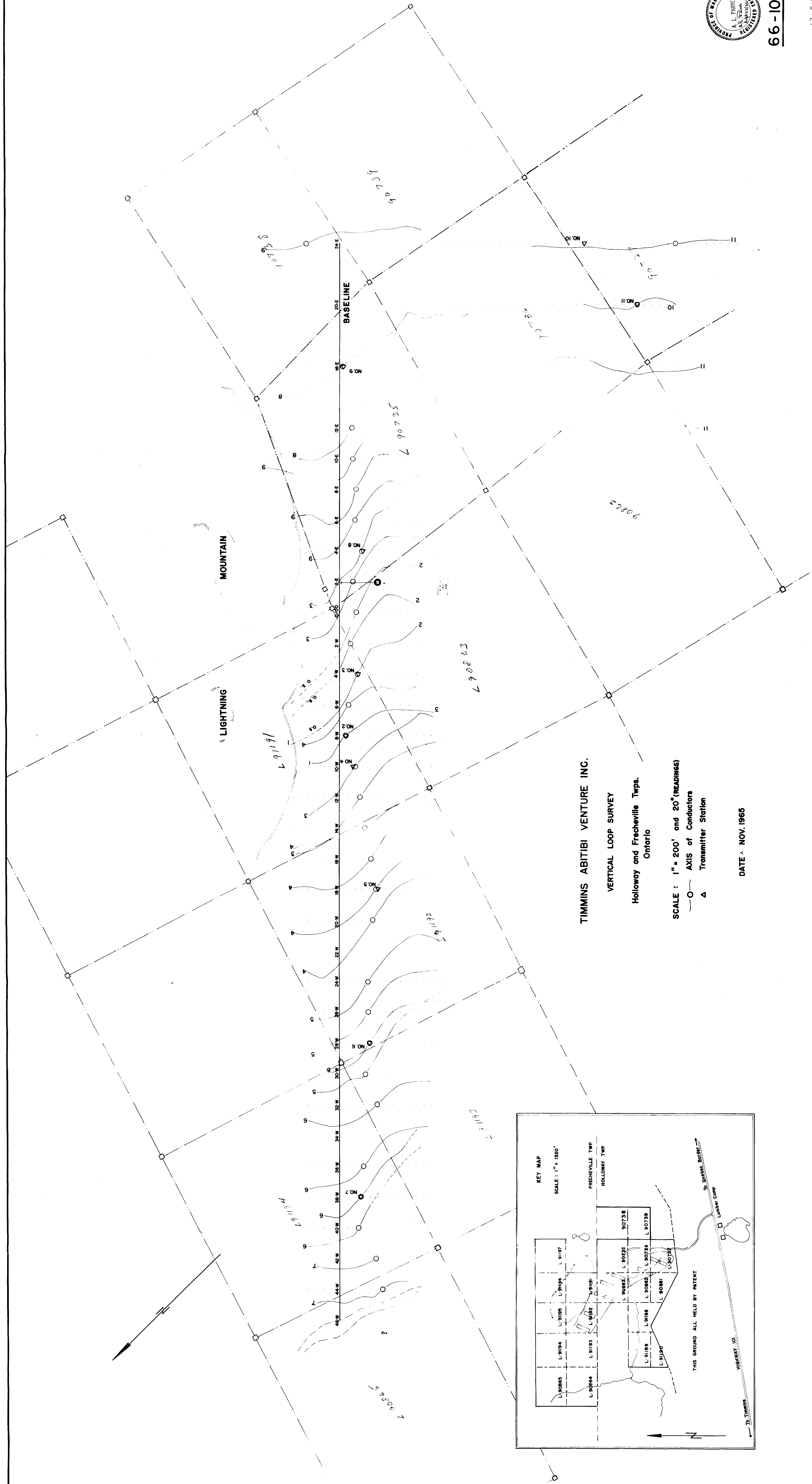
⊙ C.S.
⊙ Loc.
⊙ L.O.
⊙ M.R.O.
⊙ S.R.O.





66-105

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TIMMINS ABITIBI VENTURE INC.

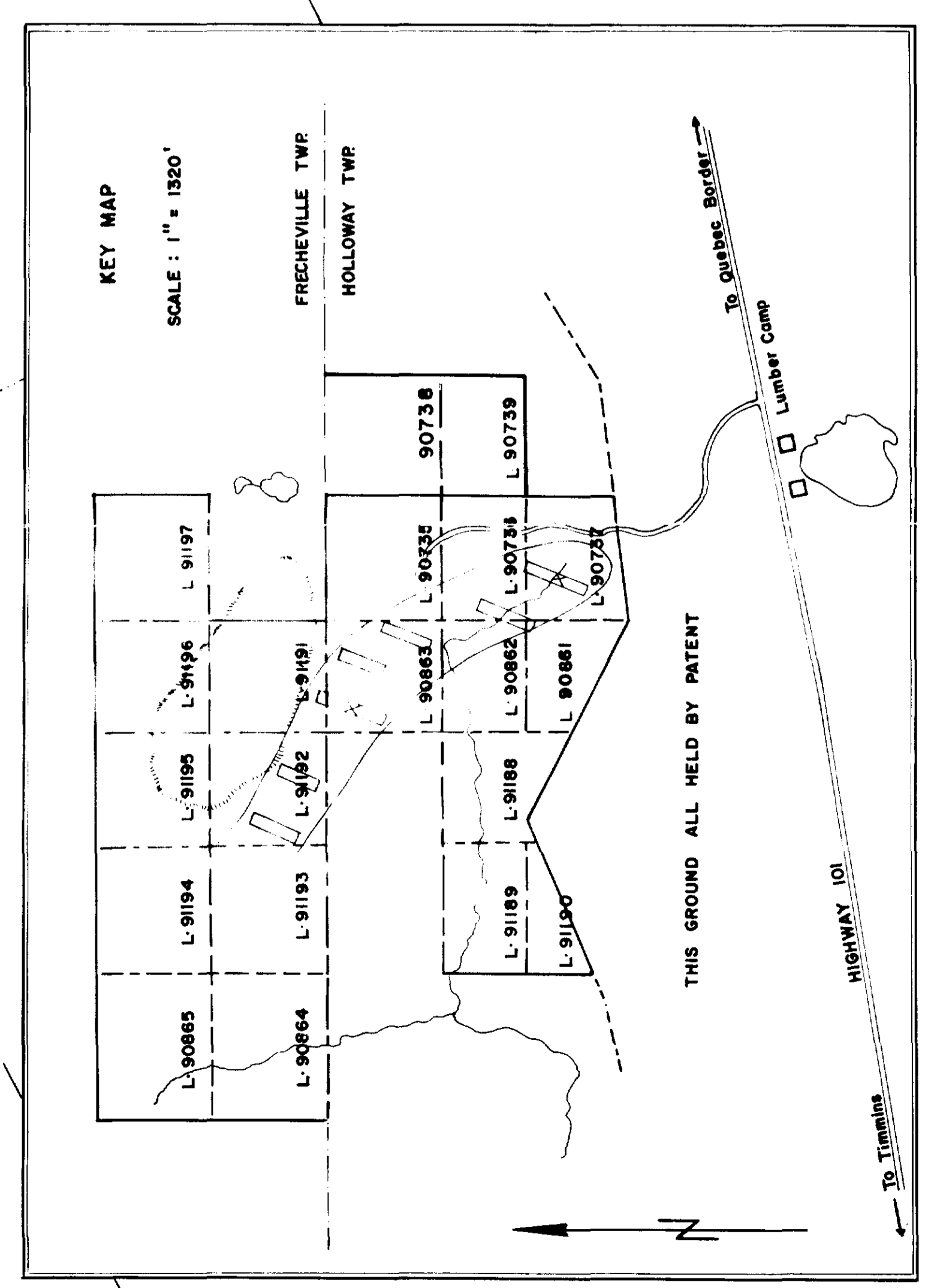
VERTICAL LOOP SURVEY

Holloway and Frecheville Twp.
Ontario

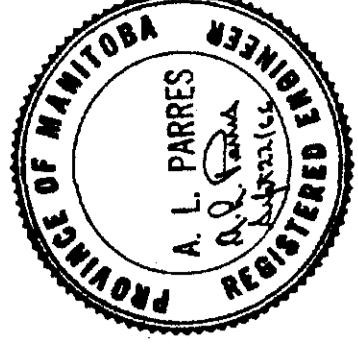
SCALE: 1" = 200' and 20' (READINGS)

- AXIS of Conductors
- △ Transmitter Station

DATE: NOV. 1965

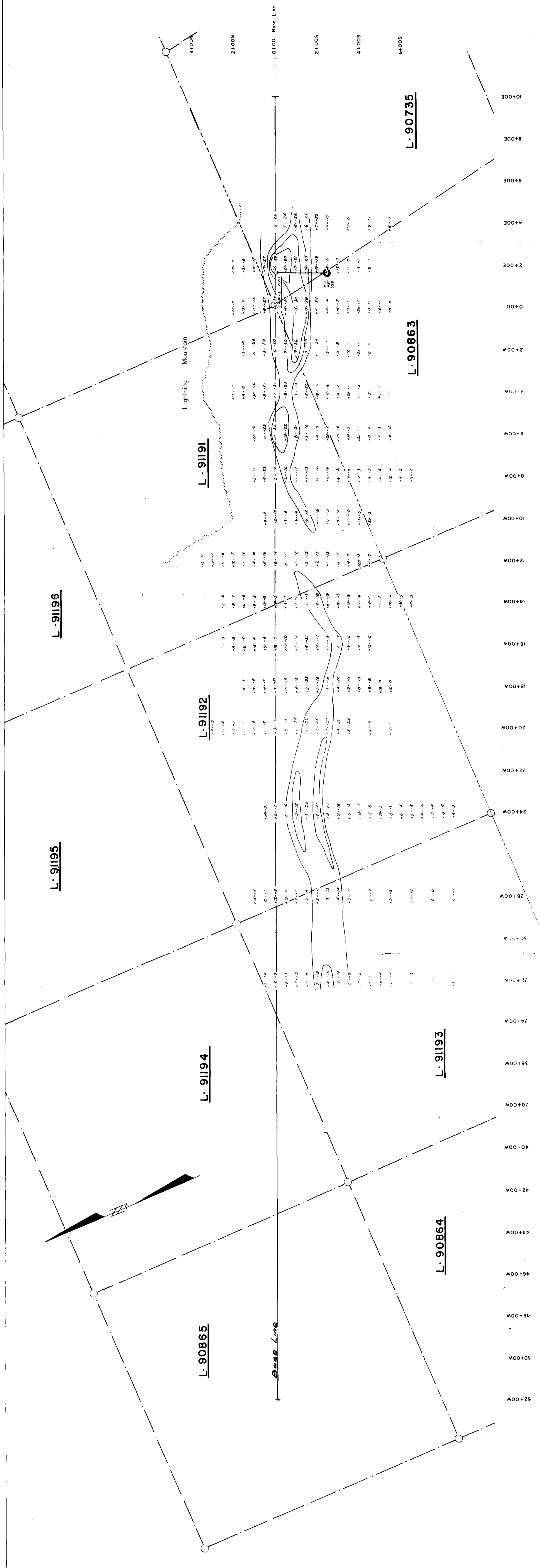


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66-105-A

63-2026



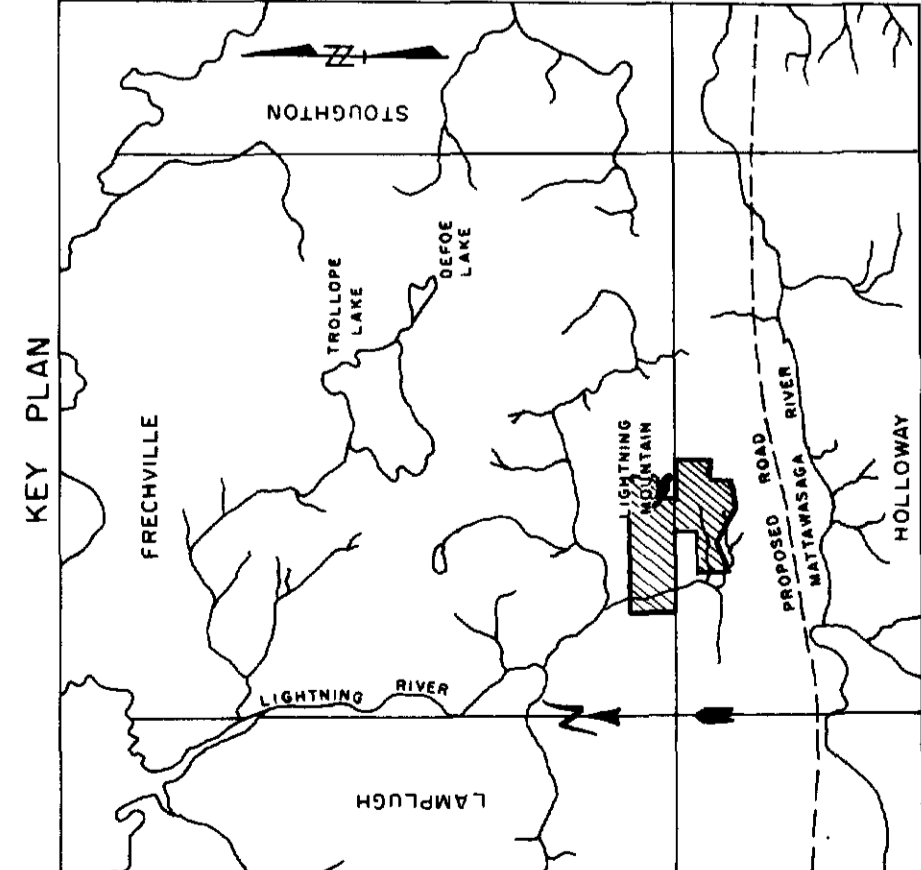
52+00W 50+00W 48+00W 46+00W 44+00W 42+00W 40+00W 38+00W 36+00W 34+00W 32+00W 30+00W 28+00W 26+00W 24+00W 22+00W 20+00W 18+00W 16+00W 14+00W 12+00W 10+00W 8+00W 6+00W 4+00W 2+00W 0+00 2+00E 4+00E 6+00E 8+00E 10+00E

LEGEND
Frequency 876 Gz
Cont Interval 300 FT
Top Boundary
Claim
D Drill Hole
Claim Post

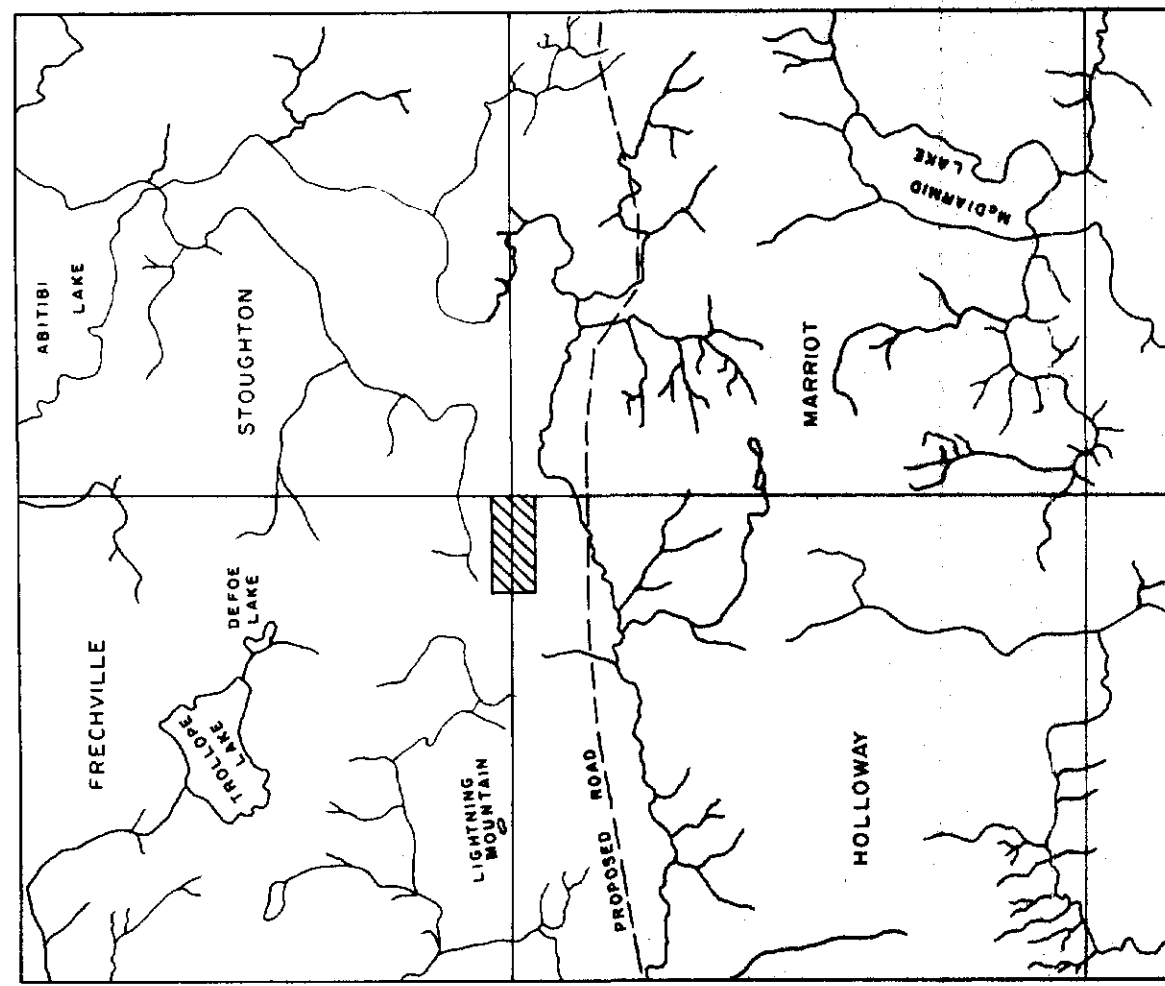
FRECHVILLE AND HOLLOWAY TMS
ROMKA E. M. SURVEY
of
No. 1 ANOMALY
by
TRI-J MINERAL SURVEYS LTD;
under the supervision of
A. L. PARRIS, P. Eng
SCALE - 1" = 200'

2 0
Contours indicate readings of similar magnitude & are indicative of areas of greater conductivity than the general area surroundings

FRECHVILLE TMS
HOLLOWAY TMS



KEY PLAN



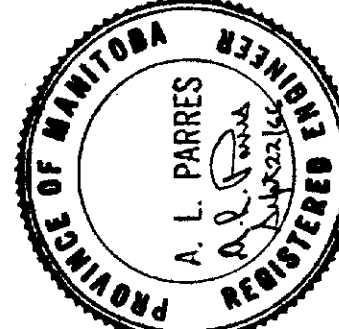
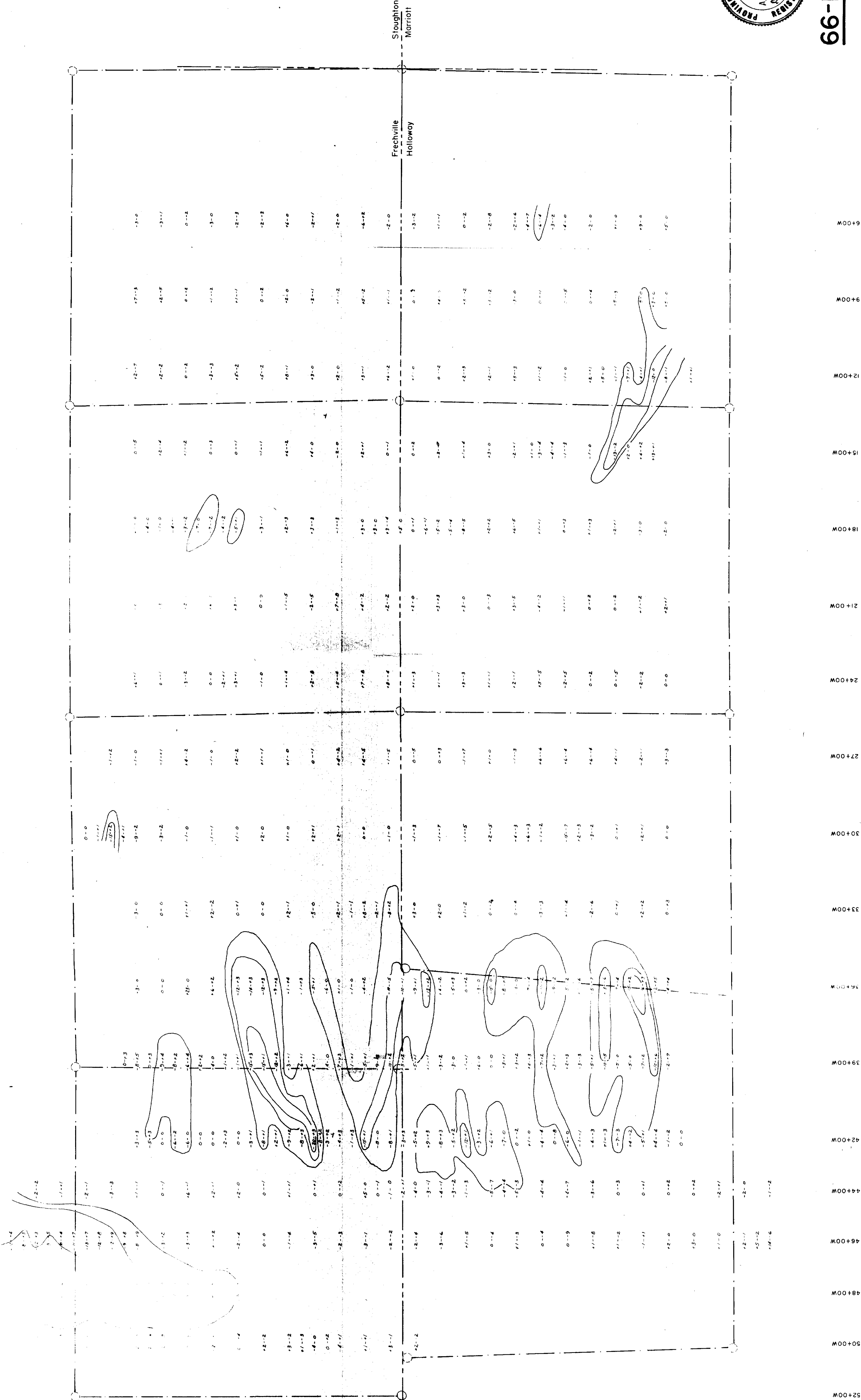
FRECHEVILLE AND HOLLOWAY TOWNSHIPS
RONKA E.M. SURVEY
 No. 4 ANOMALY
 by
 TRI-J MINERAL SURVEYS LTD
 under the supervision of
 A.L. PARRIS, P.E.T.G.
 SCALE = 1" = 200'

LEGEND

- Figures 876 con
 - Color printing 300 ft
 - Close to work
 - Thin to heavy
 - Old or new
- In these measurements the 100' cut of them is to be the right

1	2	3	4
5	6	7	8
9	10	11	12

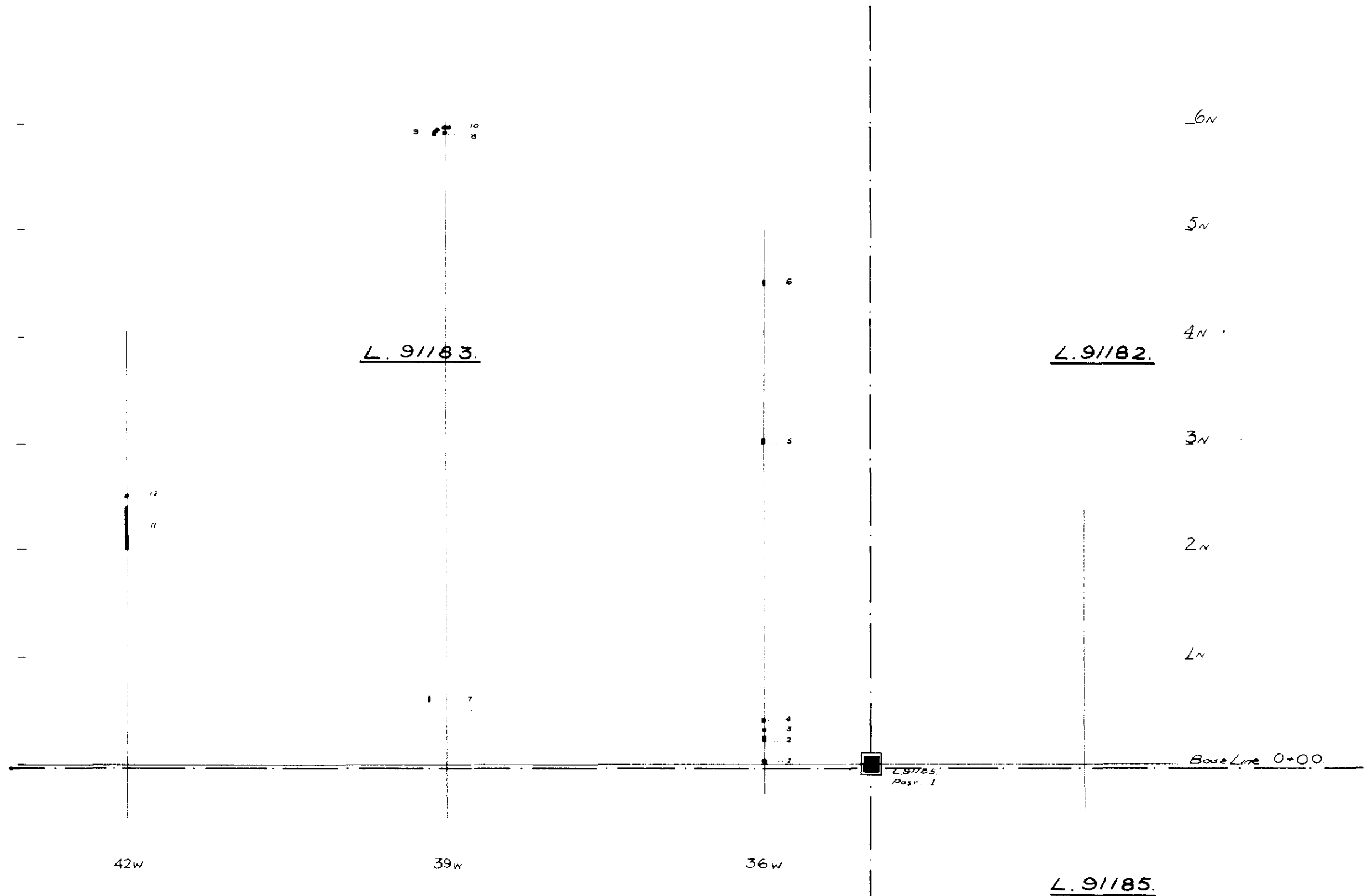
Contours enable readings of similar magnitudes. All higher than background average anomaly. Also, Scale Applicable.



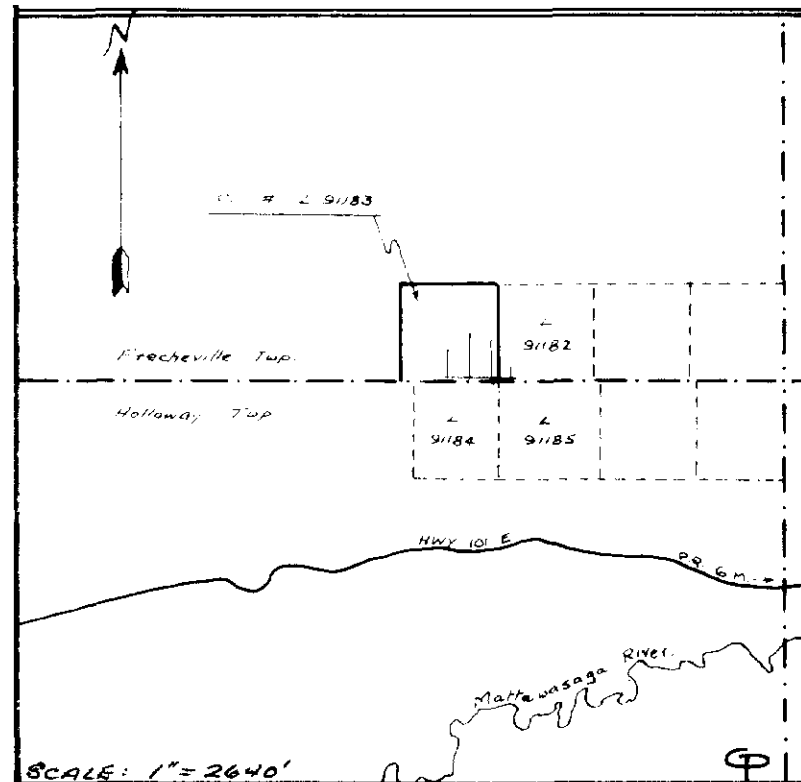
66-105-B

63-2026





250



FRECHEVILLE TOWNSHIP

MINING CLAIM L. 91183

TRENCHES

by

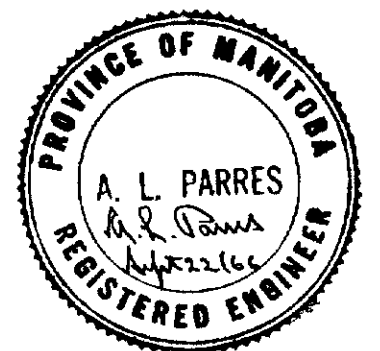
TRI-J MINERAL SURVEYS LTD;

Trench No. 1	3 x 3 x 2
" 2	5 x 6 x 4
" 3	3 x 3 x 2
" 4	3 x 3 x 2
" 5	3 x 6 x 2
" 6	3 x 4 x 2
" 7	3 x 6 x 2
" 8	3 x 3 x 3
" 9	5 x 8 x 5
" 10	4 x 8 x 3
" 11	3 x 40 x 2
" 12	3 x 3 x 3

under the supervision of

A. L. PARRES, P. Eng.

SCALE: 1" = 100'



63.2026

66-105-C