



42A03SW0053 2.5519 BEEMER

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REPORT ON
GEOPHYSICAL SURVEYS
on the property of
LYNCO RESOURCES INC.
BEEMER TOWNSHIP PROPERTY, ONTARIO

RECEIVED

MAY - 4 1983

John Rawlinson Lill, B.Sc.P.Eng. MINING LANDS SECTION
Scarborough, Ontario.

April 29th, 1983

PROPERTY & ACCESS (Continued)

It can be reached by taking gravel roads south from Timmins to Ferrier Lake. A tractor road goes to the property, a distance of two miles, from the end of the gravel road.

During the present survey, access to the property was gained by taking a bush plane from Gogama 32 miles to the south and landing on Telluride Lake, part of which is in the southwest corner of the property.

SURVEYS

Three types of surveys were carried out on the lake parts of three claims; L 578028, L 578029, L 578030.

Picket lines cut for the land part of the survey during 1981, were extended on to Telluride Lake and to the claim boundaries.

On completion of the surveys, the pickets were removed from the lake.

ELECTROMAGNETIC SURVEY

This was carried out employing a Ronka EM-16, using Cutler Maine, U.S.A. transmitting station. All readings were taken facing south.

One conductor was located during the survey. This crosses baseline "B" at about 14+00S.

MAGNETIC SURVEY

This survey was carried out using a McPhar M500A magnetometer. Readings were taken at 50 foot intervals.

On lines 0+00 and 4+00E, anomalous values up to 500 gammas near the shore were detected.

These may be due to a basic igneous flow or intrusive.

RADIOMETRIC SURVEY

The McPhar TC 33A scintillometer was employed. Readings were taken at 100 foot intervals. No anomalous readings were located.

CONCLUSIONS


One EM conductor was located with no magnetic correlation.

The magnetic anomalous readings are believed to be due to a basic rock type.

Prospecting the land near these areas during the summer season might reveal the causes for the anomalous zones.

The surveys have been filed for assessment work credits with the Ministry of Natural Resources.

Respectfully submitted,


John Rawlinson Lill, B.Sc.P.Eng.

JRL:d



GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS - If more than one survey, specify data for each type of survey

Number of Stations 70 Number of Readings 280
Station interval 100' + 50' MAGNETIC Line spacing 400
Profile scale 1" = 30'
Contour interval NOT CONTOURED

MAGNETIC

Instrument MCPHAR M500A
Accuracy - Scale constant 5 GAMMA MAXIMUM
Diurnal correction method CHECK BACK ON CONTROL STATIONS
Base Station check-in interval (hours) EVERY HOUR
Base Station location and value L 0+00 9+00 S
L 4+00 W 23+00 S

ELECTROMAGNETIC

Instrument RONKA EM16
Coil configuration FIXED HORIZONTAL + VERTICAL
Coil separation N/A
Accuracy +/- 1%
Method: [] Fixed transmitter [] Shoot back [] In line [] Parallel line
Frequency CUTLER MAINE USA. STATION NAA 17.8 KHz
Parameters measured VERTICAL IN PHASE + OUT OF PHASE COMPONENTS

GRAVITY

Instrument
Scale constant
Corrections made
Base station value and location
Elevation accuracy

INDUCED POLARIZATION RESISTIVITY

Instrument
Method [] Time Domain [] Frequency Domain
Parameters - On time Frequency
- Off time Range
- Delay time
- Integration time
Power
Electrode array
Electrode spacing
Type of electrode

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

Corrections made _____

RADIOMETRIC

Instrument MC PHAR TC 33A SCINTILLOMETER

Values measured TOTAL GAMMA COUNTS PER SECOND

Energy windows (levels) 0.1 MEV

Height of instrument HIP LEVEL Background Count 5 CPS

Size of detector 1.5" DIAMETER X 1.5" HIGH = 2.65 INS³

Overburden SAND GRAVEL - SILT - WATER & ICE ?
(type, depth - include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey _____

Instrument _____

Accuracy _____

Parameters measured _____

Additional information (for understanding results) _____

AIRBORNE SURVEYS

Type of survey(s) _____

Instrument(s) _____
(specify for each type of survey)

Accuracy _____
(specify for each type of survey)

Aircraft used _____

Sensor altitude _____

Navigation and flight path recovery method _____

Aircraft altitude _____ Line Spacing _____

Miles flown over total area _____ Over claims only _____

GEOCHEMICAL SURVEY - PROCEDURE RECORD

Numbers of claims from which samples taken _____

Total Number of Samples _____

Type of Sample _____
(Nature of Material)

Average Sample Weight _____

Method of Collection _____

Soil Horizon Sampled _____

Horizon Development _____

Sample Depth _____

Terrain _____

Drainage Development _____

Estimated Range of Overburden Thickness _____

SAMPLE PREPARATION

(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis, _____

General _____

ANALYTICAL METHODS

Values expressed in: per cent
p. p. m.
p. p. b.

Cu, Pb, Zn, Ni, Co, Ag, Mo, As, -(circle)

Others _____

Field Analysis (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Field Laboratory Analysis

No. (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Commercial Laboratory (_____ tests)

Name of Laboratory _____

Extraction Method _____

Analytical Method _____

Reagents Used _____

General _____

August 17, 1983

2.5519

Lynco Resources Limited
Suite 806
88 University Avenue
Toronto, Ontario
M5J 1T6

Dear Sir:

RE: Geophysical (Radiometric) Survey on Mining Claims
L 578028 et al in Beemer Township.

With reference to the above mentioned survey, radiometric surveys must be accompanied by a coloured outcrop map. Please submit an outcrop map (in duplicate) quoting File 2.5519.

For further information, 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 1W8
Phone: 416/965-1380

S. Hurst:sc

cc: Mining Recorder
Kirkland Lake, Ontario

cc: Mr. John R. Hill
40 Firth Crescent
Scarborough, Ontario
M1G 2J5

June 28/83

Mining Lands Comments

- no outcrop map for scintillometer survey

To: Geophysics Mr. Roger Barlow

Comments
- outcrop map needed

Approved Wish to see again with corrections Date August 9/83 Signature [Signature]

To: Geology - Expenditures

Comments

Approved Wish to see again with corrections Date Signature

To: Geochemistry

Comments
LD

Approved Wish to see again with corrections Date Signature

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

1983 06 01

2.5519

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:

We have received reports and maps for a Geophysical (Electromagnetic and Magnetometer and Radiometric) survey submitted under Special Provisions (credit for Performance and Coverage) on mining claims L 578028-29-30 in the Township of Beemer.

This material will be examined and assessed and a statement of assessment work credits will be issued.

We do not have a copy of the report of work which is normally filed with you prior to the submission of this technical data. Please forward a copy as soon as possible.

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

A. Barr:md

cc: Lynco Resources Ltd.
Suite 806, 88 University Avenue
Toronto, Ontario
M5J 1T6

Mr. John R. Lill
40 Firth Crescent
Scarborough, Ontario
M1G 2J5

JOHN R. LILL, B.Sc., P.Eng.
GEOLOGIST

Tel: (416) 439-8309

40 FIRTH CRESCENT
SCARBOROUGH, ONTARIO
M1G 2J5

April 29th, 1983

RECEIVED

MAY - 4 1983

MINING LANDS SECTION

Department of Natural Resources,
Mining Lands Section,
Room 6450,
Whitney Block,
TORONTO, Ontario M7A IN3

Attention of F. W. Mathews

Gentlemen:

Enclosed are two copies of my report along with
Report of Work and Technical Data Statement on the
Beemer township property of Lynco Resources Inc.

Report of Work form has been sent to the Mining
Recorder in Larder Lake.

Yours truly,


John Rawlinson Lill, B.Sc.P.Eng.

JRL:d
encls.2



Assessment Work Breakdown

Man Days are based on eight (8) hour Technical or Line-cutting days. Technical days include work performed by consultants, draftsmen, etc..

Type of Survey

Technical Days			Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim	
<input type="text"/>	X	<input type="text" value="7"/>	=	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>

Type of Survey

Technical Days			Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim	
<input type="text"/>	X	<input type="text" value="7"/>	=	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>

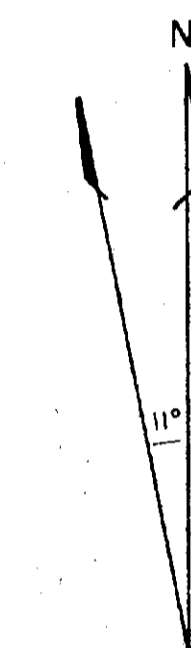
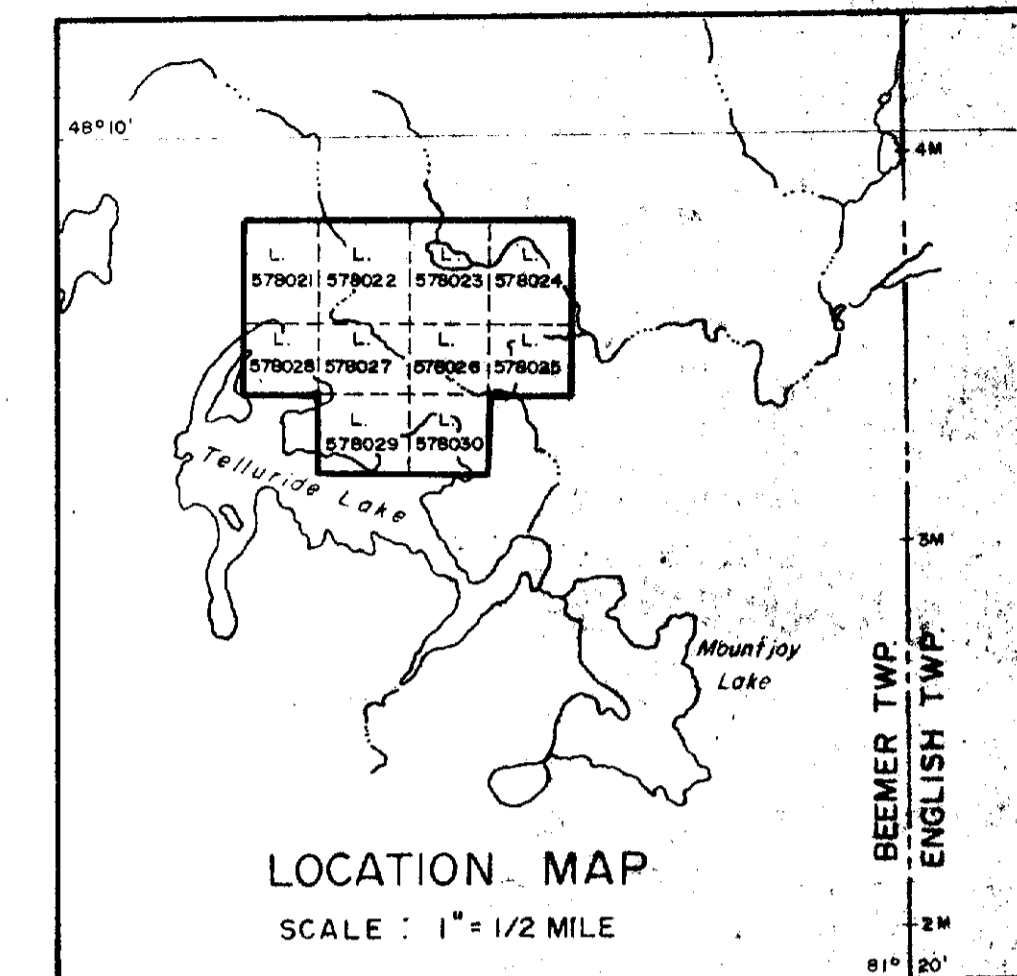
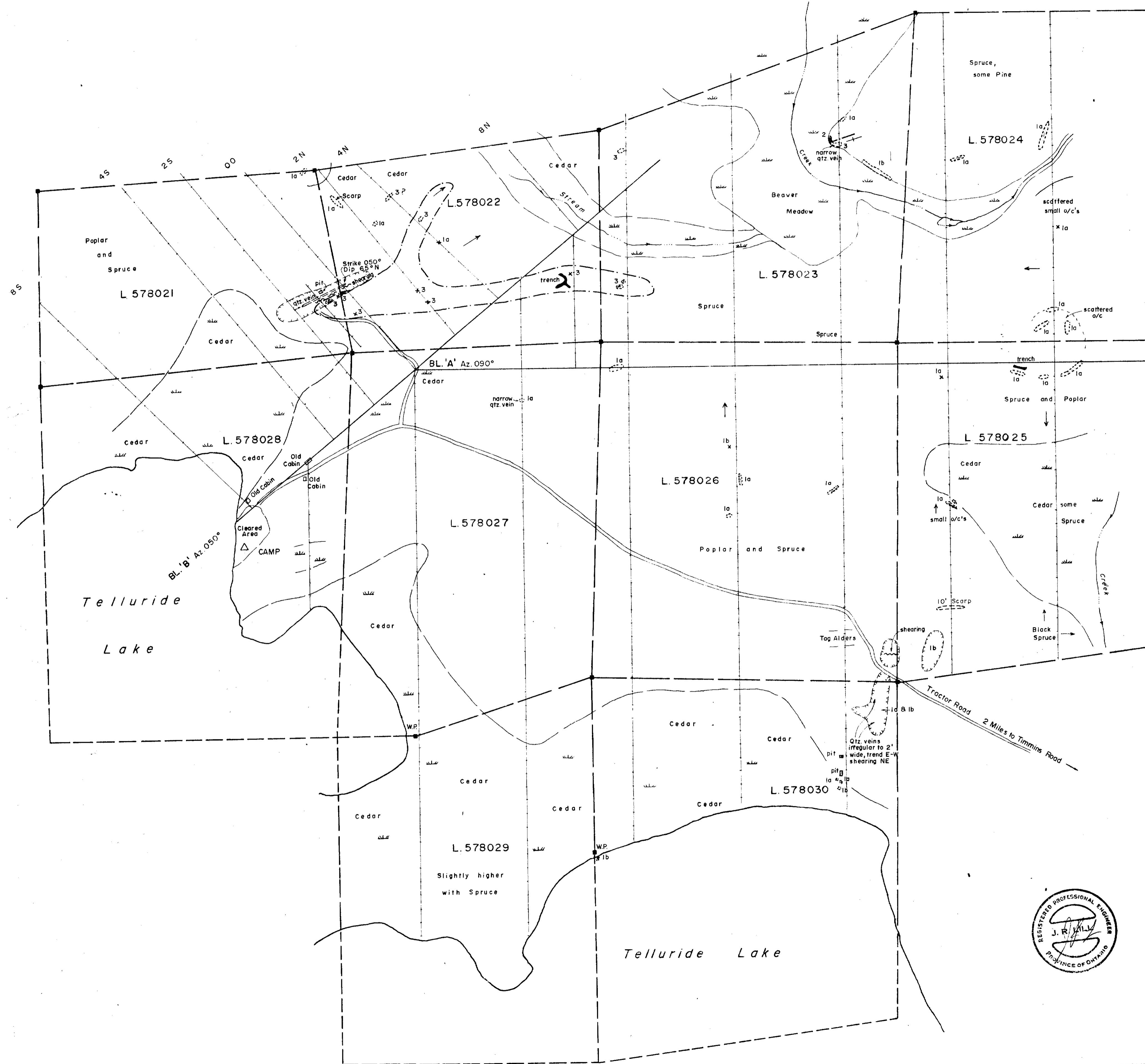
Type of Survey

Technical Days			Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim	
<input type="text"/>	X	<input type="text" value="7"/>	=	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>

Type of Survey

Technical Days			Technical Days Credits		Line-cutting Days		Total Credits		No. of Claims		Days per Claim	
<input type="text"/>	X	<input type="text" value="7"/>	=	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>	+	<input type="text"/>	=	<input type="text"/>

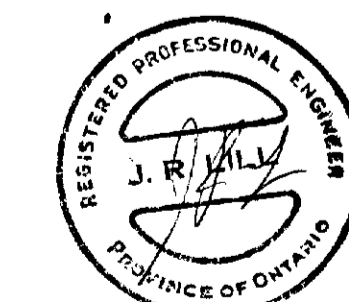
4W 00 4E 6E 8E 12E 16E 20E 24E 27+70E



LEGEND

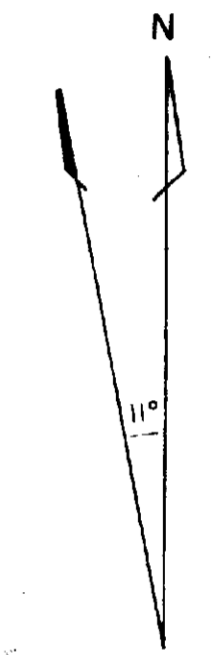
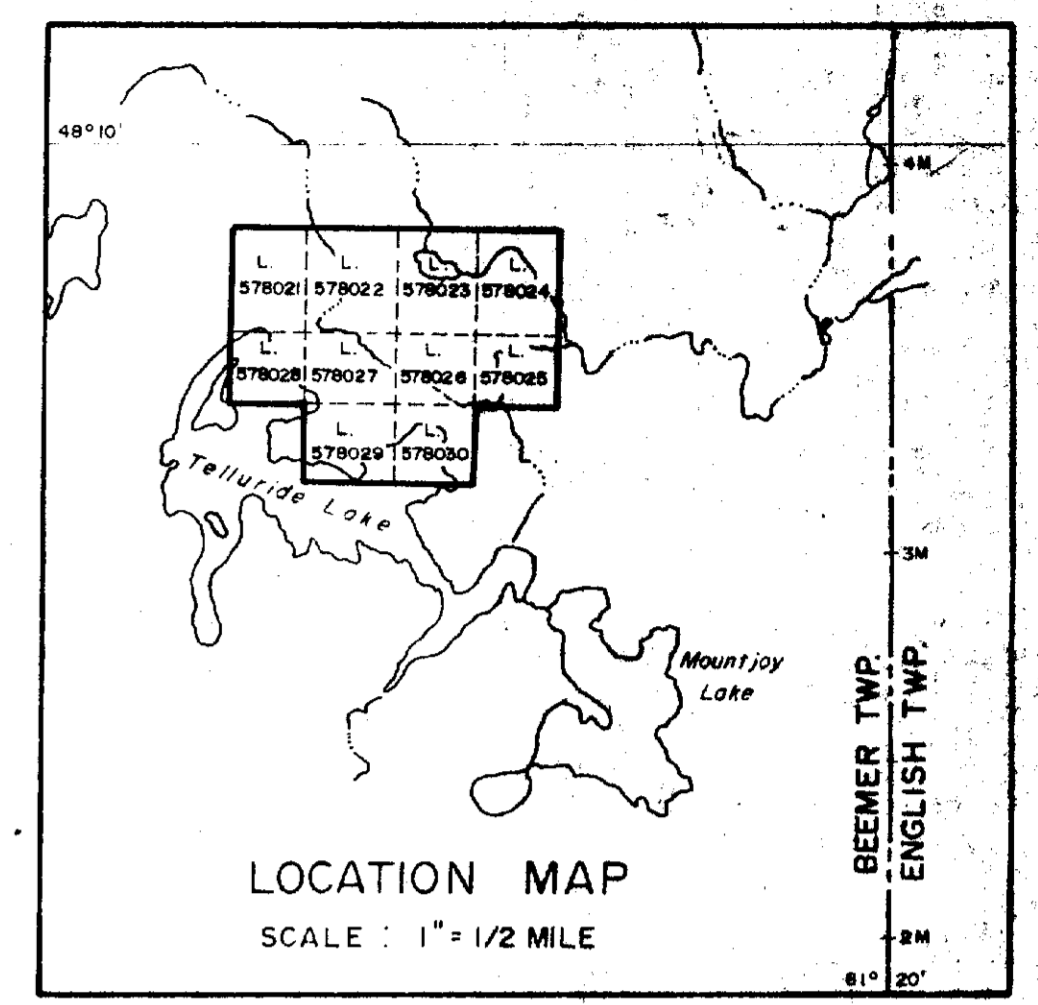
- 1 ANDESITE
 - a) massive
 - b) pillowed
- 2 TUFF
- 3 GABBRO
- Down slope
- Outcrop
- x Small outcrop
- - - Approximate geological boundary
- Trench
- Bulldozed area
- ~ Swamy ground

Survey dates: June 11-20, 1981



LYNCO RESOURCES INC.
GEOLOGICAL SURVEY
BEEMER TOWNSHIP PROPERTY
LARDER LAKE MINING DIVISION, ONTARIO
J. LILL SCALE: 1" = 200' JULY 15, 1981

4W 00 4E 6E 8E 12E 16E 20E 24E 27+70E



LEGEND

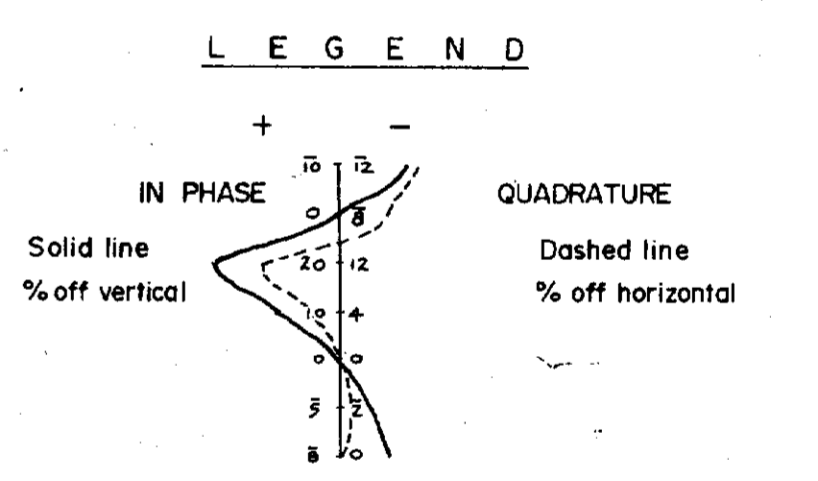
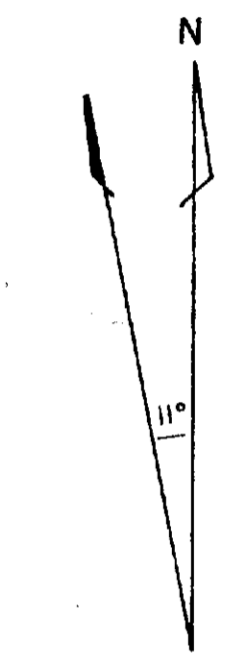
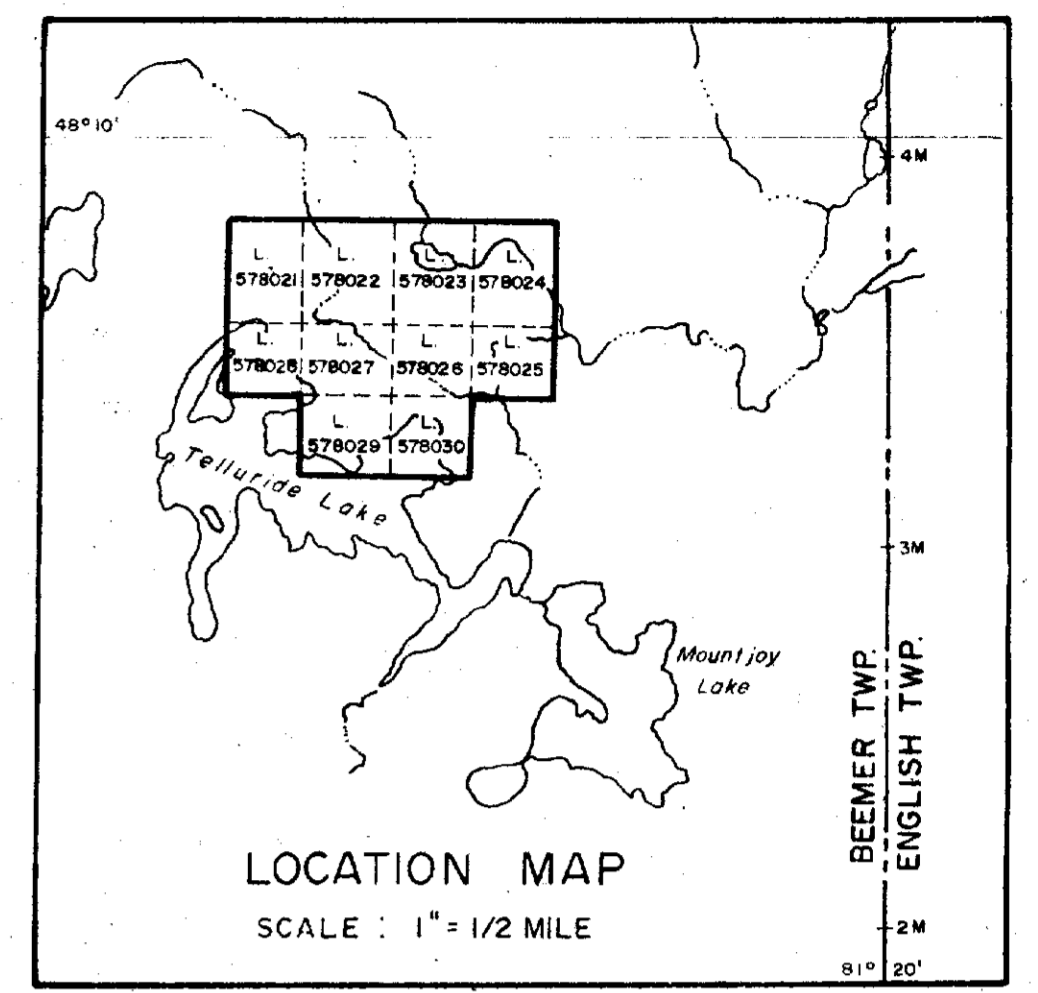
- Station, reading in gammas
- ▲ Base station
- △ Control station
- Contour interval: 500 gammas
- Over 2000 gammas
- 1500 - 2000 gammas
- 1000 - 1500 gammas
- 500 - 1000 gammas
- Under 500 gammas
- Instrument: McPhar M 500A
- Survey dates: June 11-20, 1981
- Builded areas



LYNCO RESOURCES INC
 MAGNETOMETER SURVEY
 BEEMER TOWNSHIP PROPERTY
 LARDEE LAKE MINING DIVISION, ONTARIO
 J. LILL SCALE: 1"=1000' JULY 1982

LAKE PART OF SURVEY
 MARCH 1983

4W 00 4E 6E 8E 12E 16E 20E 24E 27+70E



Profile Scale: 1" = 30%

Instrument: Ronka EM.16

Transmitter Station: Cutler, Maine

All readings facing north

Survey dates: June 11-20, 1981

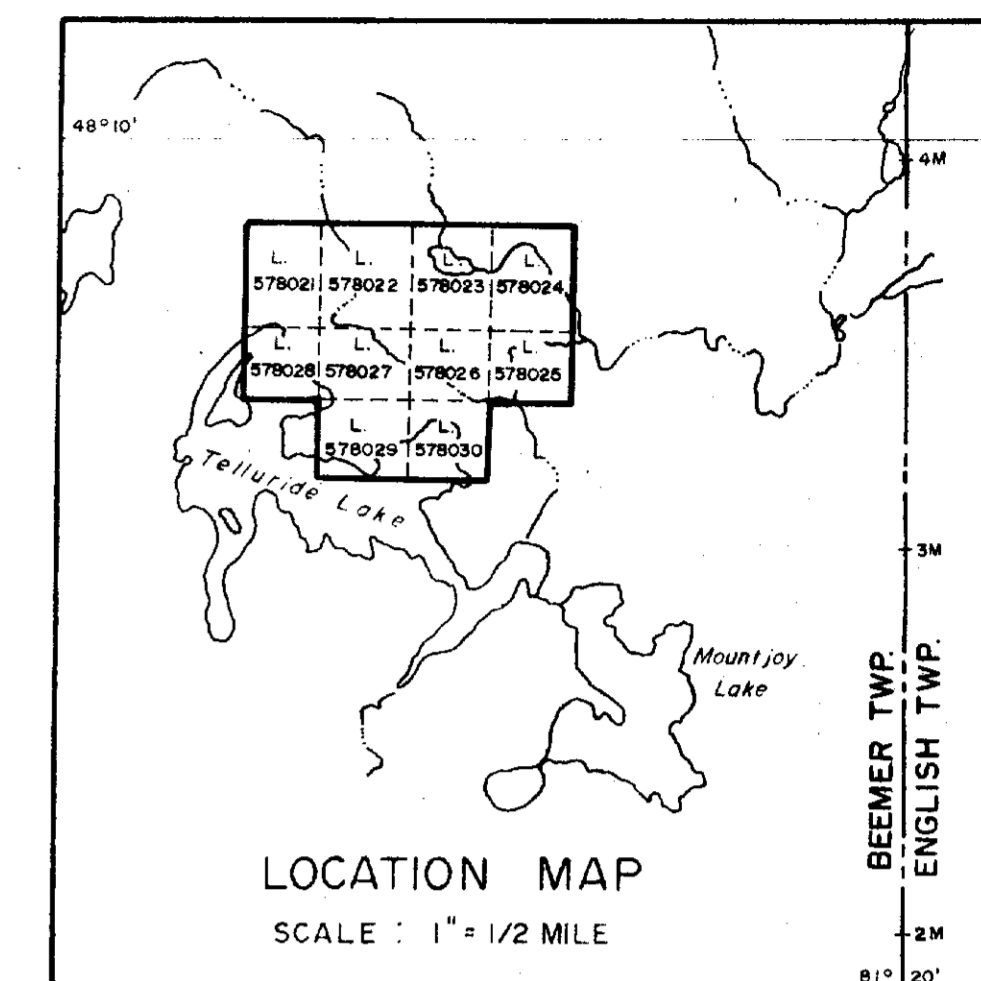


LYNCO RESOURCES INC.
ELECTROMAGNETIC SURVEY
BEEMER TOWNSHIP PROPERTY
LARDER LAKE MINING DIVISION, ONTARIO
J. LILL SCALE: 1" = 200' JULY 15, 1981

LARG PART OF SURVEY
MARCH 1983

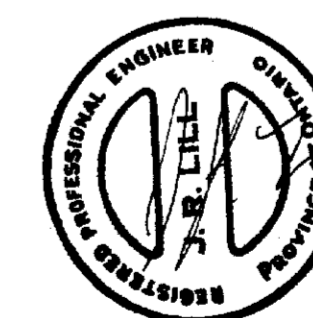


4W 00 4E 6E 8E 12E 16E 20E 24E 27+70E



LEGEND

- Station, reading in counts per second at all Gamma Energy levels of 0.1 Mev and higher
- Instrument: MCPhar TC 33A
- Instrument elevation: Hip level
- Survey dates: June 11 - 20, 1981
- Bulldozed areas



LYNCO RESOURCES INC.
SCINTILLOMETER SURVEY
 BEEMER TOWNSHIP PROPERTY
 LARDER LAKE MINING DIVISION, ONTARIO
 J. LILL SCALE: 1" = 200' JULY 15, 1981

