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
### Mining Claim Survey Report

#### Details
- **Claim Holder:** Lynco Resources Ltd.
- **Survey Company:** John R. A. III
- **Date of Survey:** 15-05-93
- **Total Miles of Line Cut:** 1.8

#### Credits Requested per Each Claim in Columns at Right

<table>
<thead>
<tr>
<th>Special Provisions</th>
<th>Geophysical</th>
<th>Days per Claim</th>
<th>Mining Claim</th>
<th>Expended</th>
<th>Days Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>For first survey:</td>
<td>Electromagnetic</td>
<td></td>
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<tr>
<td>Enter 40 days. (This includes line cutting)</td>
<td>Magnetometer</td>
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<tr>
<td>For each additional survey:</td>
<td>Radiometric</td>
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<td>using the same grid:</td>
<td>Other</td>
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<tr>
<td>Enter 20 days (for each)</td>
<td>Geological</td>
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<tr>
<td></td>
<td>Geochemical</td>
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</tbody>
</table>

#### Expenditures (Excludes Power Stripping)

<table>
<thead>
<tr>
<th>Type of Work Performed</th>
<th>Performed on Claim(s)</th>
<th>Calculation of Expenditure Days Credits</th>
<th>Total Expenditures Days Credit*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Total Expenditures</td>
<td></td>
</tr>
</tbody>
</table>

#### Instruction
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in column at right.

#### Date Recorded and Holder or Agent (Signature)
- **Date Recorded:** May 11/83
- **Recorded Holder or Agent (Signature):** [Signature]

#### Certification Verifying Report of Work

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

<table>
<thead>
<tr>
<th>Name and Postal Address of Person Certifying</th>
<th>Date Certified</th>
<th>Certified by (Signature)</th>
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</table>
**Ministry of Natural Resources**

**GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT**

**TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT**

**FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT**

**TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.**

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**Type of Survey(s):** Electromagnetic, Magnetic, Radiometric

**Township or Area:** Beemer

**Claim Holder(s):** Lynco Resources Inc.

**Survey Company:** John R. L. 11

**Author of Report:** John R. L. 11

**Address of Author:** 40 Firth Cres, Scarborough, ON M2J

**Covering Dates of Survey:** March 15/83 - April 29/83 (line cutting to office)

**Total Miles of Line Cut:** 7000’ / 1.3 Miles

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**MINING CLAIMS TRAVESED**

List numerically

<table>
<thead>
<tr>
<th>(prefix)</th>
<th>(number)</th>
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<tbody>
<tr>
<td>L</td>
<td>578028</td>
</tr>
<tr>
<td>L</td>
<td>578029</td>
</tr>
<tr>
<td>L</td>
<td>578030</td>
</tr>
</tbody>
</table>

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**SPECIAL PROVISIONS**

**CREDITS REQUESTED**

<table>
<thead>
<tr>
<th>Days per claim</th>
<th>Geophysical</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Electromagnetic: 40</td>
</tr>
<tr>
<td></td>
<td>Magnetometer: 20</td>
</tr>
<tr>
<td></td>
<td>Radiometric: 20</td>
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</tbody>
</table>

**AIRBORNE CREDITS**

(Special provision credits do not apply to airborne surveys)

<table>
<thead>
<tr>
<th>Magnetometer</th>
<th>Electromagnetic</th>
<th>Radiometric</th>
</tr>
</thead>
<tbody>
<tr>
<td>(enter days per claim)</td>
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</tbody>
</table>

**DATE:** April 29/83  
**SIGNATURE:** John R. L. 11  
Author of Report or Agent

---

**Res. Geol.**  
**Qualifications:** L3A 426

**Previous Surveys**

<table>
<thead>
<tr>
<th>File No.</th>
<th>Type</th>
<th>Date</th>
<th>Claim Holder</th>
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</thead>
<tbody>
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</tr>
</tbody>
</table>

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**RECEIVED**

**MINING LANDS SECTION**

**TOTAL CLAIMS:**

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837 (5/79)
**GEOPHYSICAL TECHNICAL DATA**

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

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Stations</td>
<td>70</td>
</tr>
<tr>
<td>Number of Readings</td>
<td>280</td>
</tr>
<tr>
<td>Station interval</td>
<td>100° + 50' MAGNETIC</td>
</tr>
<tr>
<td>Line spacing</td>
<td>400</td>
</tr>
<tr>
<td>Profile scale</td>
<td>1&quot; = 30'</td>
</tr>
<tr>
<td>Contour interval</td>
<td>NOT CONTOURED</td>
</tr>
</tbody>
</table>

**MAGNETIC**

- **Instrument**: McPhar M 500 A
- **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 0400 W 23005

**ELECTROMAGNETIC**

- **Instrument**: Ronka EM 16
- **Coil configuration**: FIXED HORIZONTAL + VERTICAL
- **Coil separation**: N/A
- **Accuracy**: + 1°/10
- **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**

- **Instrument**
- **Method**: □ Time Domain □ Frequency Domain
- **Parameters — On time**
  - Off time
  - Delay time
  - Integration time
- **Frequency**
- **Range**

**RESISTIVITY**

- **Power**
- **Electrode array**
- **Electrode spacing**
- **Type of electrode**
SELF POTENTIAL

Instrument ___________________________ Range ___________________________
Survey Method __________________________________________________________________
Corrections made __________________________________________________________________

RADIOMETRIC

Instrument _______________________________________________________________________
Values measured ___________________________ Total Gamma Counts per Second
Energy windows (levels) 0.1 A.E.V.
Height of instrument Hip Level  Background Count 5 CPS
Size of detector 1.5" Diameter x 1.5" High = 2.65 in\(^3\)
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

ANALYTICAL METHODS

Values expressed in:

<table>
<thead>
<tr>
<th>Unit</th>
<th>Per cent</th>
<th>p. p. m.</th>
<th>p. p. b.</th>
</tr>
</thead>
<tbody>
<tr>
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</tr>
</tbody>
</table>

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

SAMPLE PREPARATION

(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis,

General
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 Baemer 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. Lill
   40 Firth Crescent
   Scarborough, Ontario
   M1G 2J5
**To: Geophysics**

Mr. Roger Barlow

Comments

- outcrop map needed

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

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**To: Geology - Expenditures**

Comments

- [Comments]

Approved  Wish to see again with corrections  Date  Signature

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**To: Geochemistry**

Comments

- [Comments]

Approved  Wish to see again with corrections  Date  Signature

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

cc: Lynco Resources Ltd.  
Suite 806, 88 University Avenue  
Toronto, Ontario  
M5J 1T6  
Mr. John R. L111  
40 Firth Crescent  
Scarborough, Ontario  
M1G 2J5
JOHN R. LILL, B.Sc., P.Eng.
GEOLOGIST

April 29th, 1983

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
encl.2
**Report of Work**

(Geophysical, Geological, Geochemical and Expenditures)

**Type of Survey:**

- Electromagnetic
- Magnetic
- Radiometric

**Claim Holder(s):**

LYNCO RESOURCES LTD.

**Address:**

SUITE 806-88 UNIVERSITY AVE., TORONTO ONT. M5J 1T6

**Survey Company:**

JOHN R. LI'II

**Date of Survey:**

15 3 83

**Total Miles of Line Cut:**

7000 FEET

**Instruction:** Please type or print.

- If number of mining claims traversed exceeds space on this form, attach a list.

**Note:** Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.

- Do not use shaded areas below.

---

**Credits Requested per Each Claim in Columns at right**

<table>
<thead>
<tr>
<th>Mining Claim</th>
<th>Expended Days Cr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>L 578 028</td>
<td>578 029</td>
</tr>
<tr>
<td>L 578 030</td>
<td></td>
</tr>
</tbody>
</table>

**Special Provisions**

For first survey:
- Enter 40 days. (This includes line cutting)

For each additional survey:
- Enter 20 days (for each)

**Man Days**

- Complete reverse side and enter total(s) here

**Airborne Credits**

- Electromagnetic
- Magnetometer
- Radiometric
- Other
- Geological
- Geochemical

**Expenditures (excludes power stripping)**

**Type of Work Performed**

- Geophysical
- Geological
- Geochemical

**Calculation of Expenditure Days Credits**

<table>
<thead>
<tr>
<th>Total Expenditures</th>
<th>Total Days Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>$</td>
<td>15</td>
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</table>

**Instructions**

Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

---

**Certification Verifying Report of Work**

Lyuno Resources Inc.

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

**Date:**

APRIL 29, 1983

**Certified by (Signature):**

John R. Li'II
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.

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>Technical Days</th>
<th>Technical Days Credits</th>
<th>Line-cutting Days</th>
<th>Line-cutting Days Credits</th>
<th>Total Credits</th>
<th>No. of Claims</th>
<th>Days per Claim</th>
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<td></td>
</tr>
</tbody>
</table>
Telluride Lake

LOCATION: MAP
SCALE: 1/2 MILE

LEGEND

ANDESITE
a) massive
b) pillowed

TUFF

GABBRO

D — Outcrop
s — Small outcrop

Approximate geological boundary

Survey dates: June 11-20, 1981

LYNCO RESOURCES INC.
GEOLOGICAL SURVEY
BEEMER TOWNSHIP PROPERTY
LARDER LAKE MINING DIVISION, ONTARIO
J.LLL
SCALE: 1/200
JULY 1, 1986
LEGEND

Station, reading in counts per second at all Gamma Energy levels of 0.1 Mev and higher

Instrument: NaI/Ge TC 33A

Instrument elevation: Hip level

Survey dates: June 11 - 20, 1981

Built-up areas

LYNCO RESOURCES INC.
SCINTILLOMETER SURVEY
BEEMER TOWNSHIP PROPERTY
LARDER LAKE MINING DIVISION, ONTARIO

SCALE: 1" = 200'

JULY 18, 1981