



52108NW0002 2.4698 CRESCENT LAKE

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BIRD RIVER MINES CO. LTD.

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Strategic Metals

MINING LANDS SECTION

Zig Zag Lake Prospect - Ontario

Based on 36 channel samples cut over widths totalling about 155 feet weighing 215 lbs. and 28 host-rock geo-chemical, samples taken over widths totaling 510 feet, we have found the following values of strategic minerals in the rock:

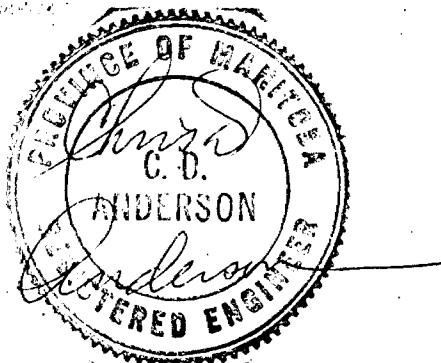
Tantalum	1/2 pound to 7 pounds/ton
Gallium	approx. 1/2 pound per ton
Beryllium	recoverable amounts
Lithium	over 2500 tons per vertical foot and grade of over 1.60% lithia, sampling along the centre of the pegmatite dykes.

Specific details of sampling procedures, locations of channel are in the reports and Plan No. 2. Sample material and some pulps are on hand for further examination.

The increased importance of these minerals has been well documented in the literature, for example:

- (1) Tantalum - The Northern Miner, February 11, 1982,
- (2) Gallium - Canadian Research, October, 1981,
- (3) Beryllium - Fortune Magazine, June 15, 1981,
- (4) Dollar, The International Journal of American Investments, 1982, and
- (5) Lithium - Mining Magazine (London, England) January, 1982.

This increased interest in strategic metals is based in part on the use of these materials in the high technology expansion in nuclear power and specialized electronics.



Chris D. Anderson, Ph.D., P.Eng.
Consultant

November 26, 1971

Manitoba Securities Commission
379 Broadway Avenue
Winnipeg 1, Manitoba


Dear Sirs:

Re: Prospectus - Bird River Mines Co., Ltd.
Dated November 25th, 1971

I, Christian Donald Anderson, of 826 Dorchester Street, Winnipeg, Manitoba, professional engineer, hereby certify:

1. That I graduated as a geophysicist from the University of Utah, U.S.A. in 1966 and subsequently spent one and one-half years in the field in mining geophysics.
2. That I am currently employed as a professor of geophysics at the University of Manitoba, Geological Department.
3. That I have been a consulting professional engineer for the past four years.
4. That I have read the prospectus in its entirety and all references made therein on pages 2, 4, and 5 in particular with respect to my reports on Savant - Sturgeon Lake group and Austin Amazon group are correct and not misleading and are in no way contradictory to the reports.
5. That I am the recorded and beneficial owner of 250 shares of the capital stock of Bird River Mines Co., Ltd. which I held for some time and that I neither will nor expect to receive any additional interest in the said company.

Yours very truly,


Chris D. Anderson, Ph.D., P.Eng.

BIRD RIVER MINES

J. DONNER

Sample Number	Elements In									
	%Ba		lb/Ton							
79-10	.0334		.66							
-11	.0272		.54							
-12	.0100		.20							
-13	.0142		.28							
-14	.0100		.20							
-15	.0300		.60							
-16	.0214		.43							
-17	.0043		.09							
-18	.0130		.26							
-20	.0137		.27							
-21	.0097		.19							
-24	.0080		.16							
-25	.0210		.42							
-26	.0098		.20							
-27	.0058		.12							
-28	.0175		.35							
-30	.0200		.40							
-31	.0200		.40							
-35	.0060		.12							
-41	.0442		.88							

Department of Earth
University of Manitoba

J. Donner
February 19, 1982



BONDAR-CLEGG & COMPANY LTD.

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5

PHONE: 237-3110

Certificate of Analysis

TO Bird River Mines Co. Ltd.
98 Balmoral Street
Winnipeg, Manitoba R3C 1X4

REPORT NO. A-12-58
 DATE January 27, 1982

I hereby certify that the following are the results of analyses made by us upon the herein described pulp samples

MARKED	ppm								
	Be								
79-11	95								
79-17	28								
79-21	39								
79-41	200								
80-3	58								

BONDAR-CLEGG & COMPANY LTD.

NOTE:
 Rejects retained two weeks
 Pulps retained three months
 unless otherwise arranged.

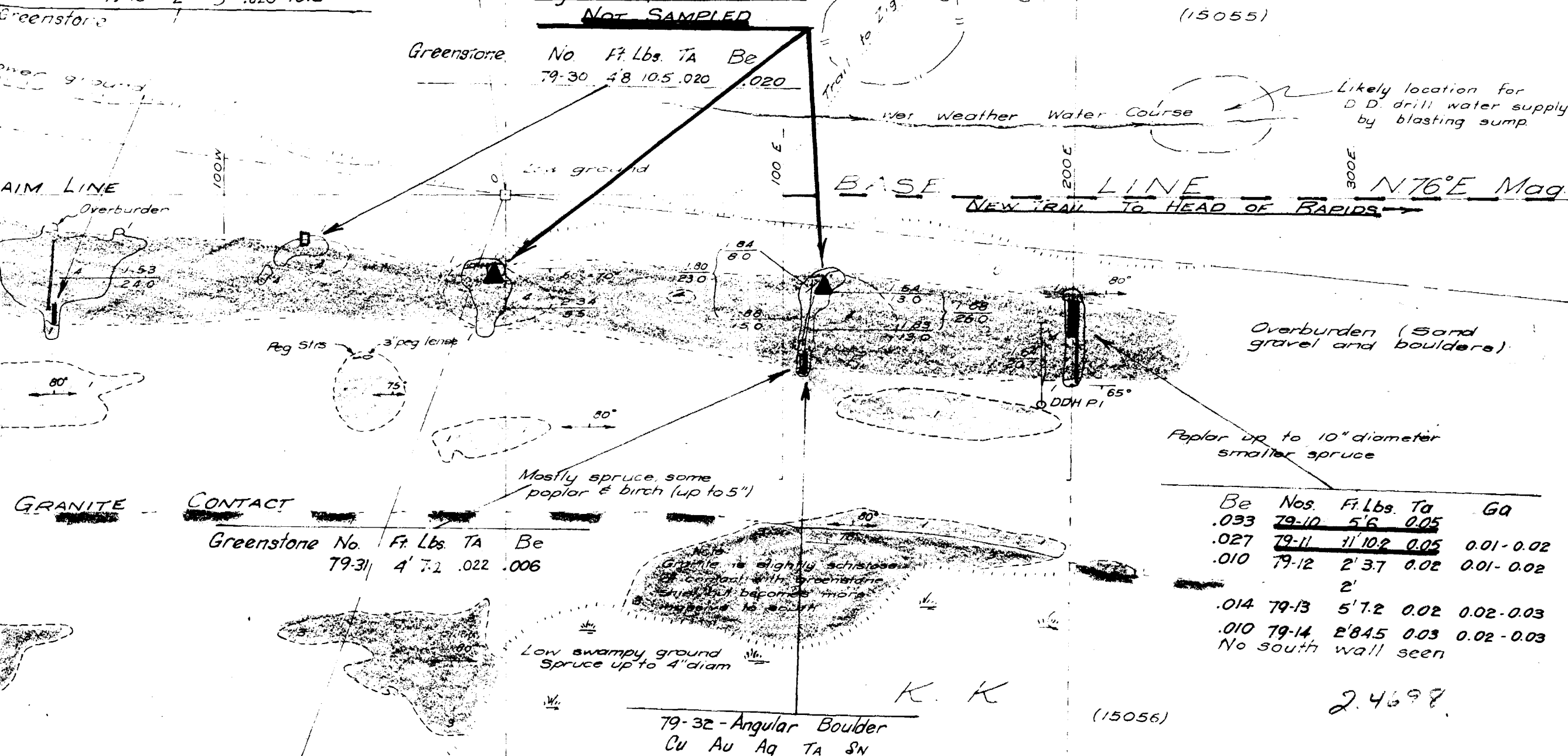
Ala. Kaulke

ALONG GRANITE CONTACT 500' WIDE

Nos	Ft	Lbs	Ta	Be
79-9	76	7.2	.019	
79-18	2	5	.020	.013

Note: Sections of Tantalite crystals up to 2 inches
NOT SAMPLED

Greenstone	No	Ft	Lbs	Ta	Be
	79-30	4'8"	10.5	.020	.020



Greenstone	No	Ft	Lbs	Ta	Be
	79-31	4'	7.2	.022	.006

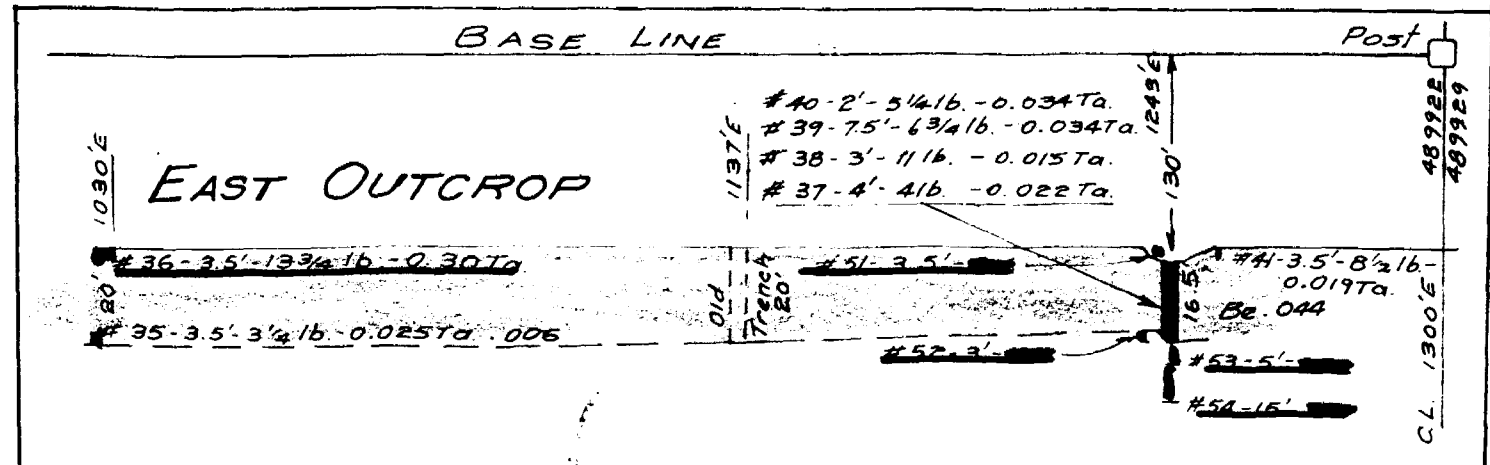
Be	Nos	Ft	Lbs	Ta	GA
.033	79-10	5'6"	0.05		
.027	79-11	11'10.2"	0.05		0.01-0.02
.010	79-12	2'3.7"	0.02		0.01-0.02

.014	79-13	5'7.2"	0.02		0.02-0.03
.010	79-14	2'8.45"	0.03		0.02-0.03

No south wall seen

79-32 - Angular Boulder
Cu Au Ag Ta Sn

2.4698



redrawn from work done by
ster Explorations Ltd., on former
al Claims - K.K.15055, K.K.15056,
759 and K.K.15060

Signed: (R.G. Hoiles, Ph.D.)
Consulting Geologist
June 9th 1958.

- Lithium bearing pegmatite
- Albite-microcline granite
- Basic intrusive (diabase?)
- Schistose basic volcanics

No. F. lbs TA Be
79-28 1 7 .028 .017

No. F. lbs TA
79-29 3 6 5.2 081

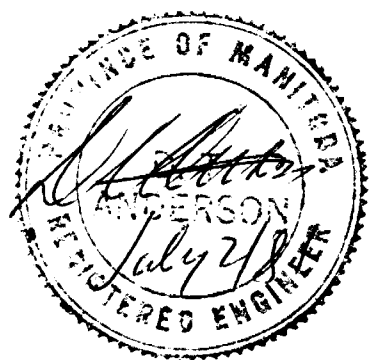
Greenstone
LITHIUM POTENTIAL GROUND
(15060)

burden



K. K. (15059)

PLAN No. 2
MAIN SHOWING
IN
LITTLE JACKFISH RIVER AREA
Kowkash Mining Division - Ontario.



Note:
Plan
Demp
Miner
KK150

IES
V-PLAN NO. M-2609

1-189922-189925-1979

1-1981

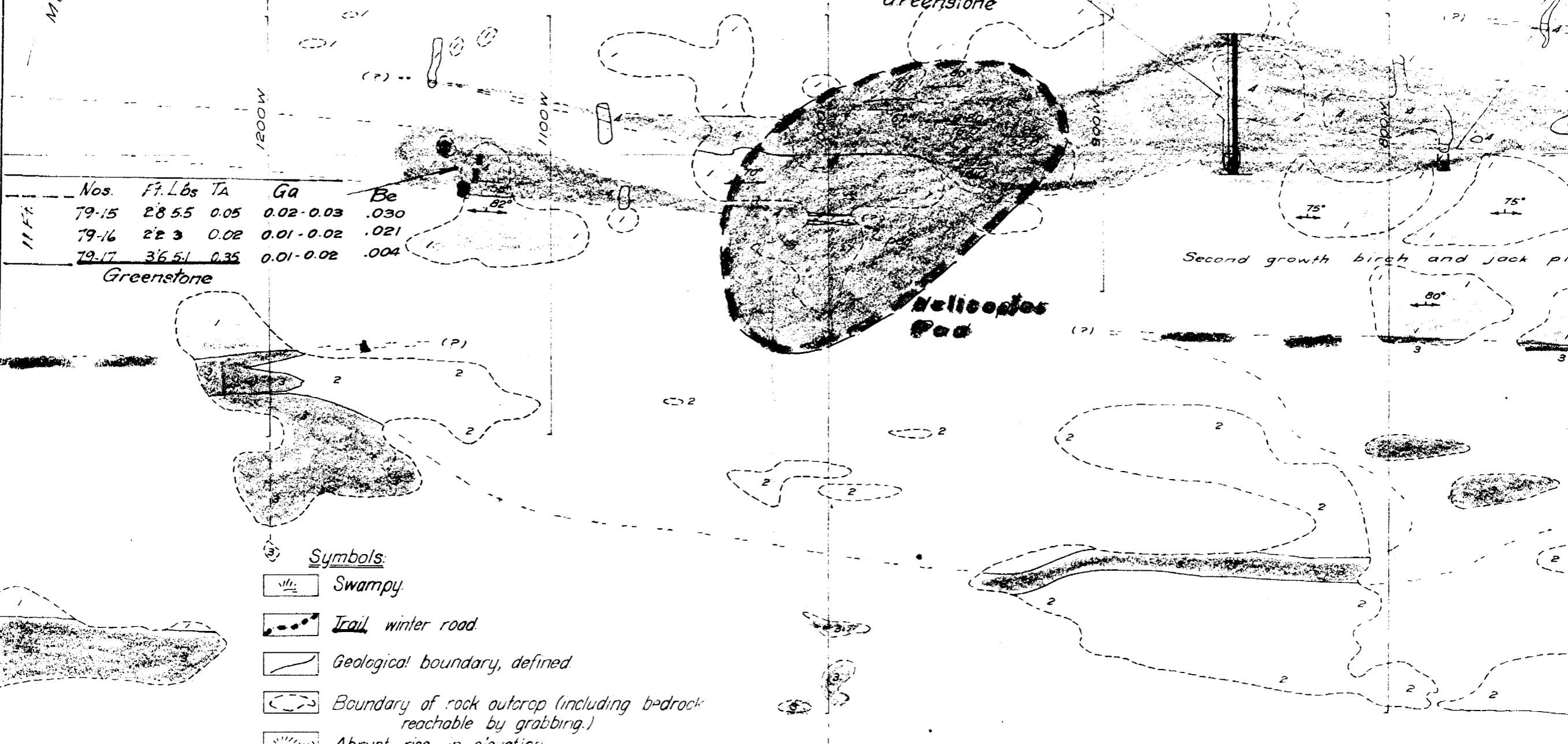
Note: Host-rock sampling results showing Lithium values in PPMillion and the width of samples are plotted Background readings for the vicinity appear to be below 20 PPM shown on Magnetic Survey Plan No.3

Greenstone	Nos.	Ft. Lbs	TA	Be
	79-20	2'	7.7	.024 .013
	79-21	16.6	7.7	.020 .009
	79-22	1	12	.005
	79-23	1	1.2	.001
	79-24	8'	7.2	.032 .008
	79-25	13'	9	.023 .021
	79-26	2'	7	.016 .009
	79-27	2'	3.2	.015 .005

49' feet.

Mag North.

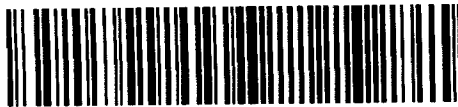
Nos.	Ft. Lbs	TA	Ga	Be
79-15	28	5.5	0.05	0.02-0.03 .030
79-16	22	3	0.02	0.01-0.02 .021
79-17	36	5.1	0.35	0.01-0.02 .004



- Symbols:**
- Swampy.
 - Trail winter road.
 - Geological boundary, defined.
 - Boundary of rock outcrop (including bedrock reachable by grabbing.)
 - Abrupt rise in elevation.
 - Strike and dip of schistosity.
 - Claim corner.
 - Geological boundary, approximate.
 - Strike and dip of contact.
 - Claim line, approximate.

- Diamond drill hole.
- Picket line.
- Channel sample = 1979.
- Trenching and stripping.

BIRD RIVER MIN
CRESCENT LAKE SECTION
Claim Nos. (417358 - 417369)



1982 12 06

2.4698

Mrs. Audrey Hayes
Mining Recorder
Ministry of Natural Resources
P.O. Box 5000
Thunder Bay, Ontario
P7C 5G6

Dear Madam:

RE: Assaying on Mining Claim TB 489922
in the Area of Crescent Lake

The data for assaying as shown on the attached statement
has been approved as of the above date.

Please inform the recorded holder of this mining claim
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

A. Barr:sc

cc: Bird River Mines Limited
Winnipeg, Manitoba
Attn: Mr. J. Donner

cc: Resident Geologist
Thunder Bay, Ontario

Mining Lands Comments

To: Geophysics

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

To: Geology - Expenditures

Mr. Kusko

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

Oct 14/82 *C/Kusko*

To: Geochemistry

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

LD

To: Mining Lands Section, Room 6462, Whitney Block.

(Tel: 5-1380)

1982 04 20

2.4698

Mining Recorder
Ministry of Natural Resources
P.O. Box 5000
Thunder Bay, Ontario
P7C 5G6

Dear Sir:

We have received data for Assaying submitted under Section 77(19) of the Mining Act R.S.O. 1980 on Mining Claim TB 489922 in the Area of Crescent Lake.

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 Park, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1316

J. Skura/amc

cc: Bird River Mines Limited
Winnipeg, Manitoba
Attn: Mr. J. Donner



Ontario

Ministry of
Natural
Resources

Notification of recording
of assessment work credits

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APR - 2 1982

MINING LANDS SECTION

Lands Administration Branch
Mining Lands Section
Ministry of Natural Resources
Room 1617, Whitney Block
Queen's Park, Toronto
M7A 1W3

Date of recording of work: March 26, 1982
Recorded holder: John Donner
Address: 98 Balmoral St., Winnipeg, Man. R3C 1X4
Township or Area: Crescent Lake Area (G27)

Type of survey and number of Assessment days credit per claim	Mining claims
Geophysical	TB489922
Electromagnetic _____ days	
Magnetometer _____ days	
Radiometric _____ days	
Induced polarization _____ days	
Section 86 (18) <u>7</u> days	
Geological _____ days	
Geochemical _____ days	
Man days <input type="checkbox"/> Airborne <input type="checkbox"/>	
Special provision <input type="checkbox"/> Ground <input checked="" type="checkbox"/>	

Notice to recorded holder:

- Survey reports and maps in duplicate be submitted to the Lands Administration Branch, Toronto within 60 days from the date of recording of this work.
- Reports and maps are being forwarded to the Lands Administration Branch with this letter.

Audrey M. Hayes
A.M. Hayes
 Mining recorder
 Acting
 c.c. John Donner
 98 Balmoral St.,
 Winnipeg, Manitoba.



BONDAR-CLEGG & COMPANY LTD.

104 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: 237-3110 TELEX: 053-4455

Bird River Mines Limited
98 Balmoral Street
Winnipeg, Manitoba
R3C 1X4

Attention: Mr. J. Donner

INVOICE: **F 02385**

DATE: **January 27, 1982**

REPORT NO: **A-12-58**

PROJECT:

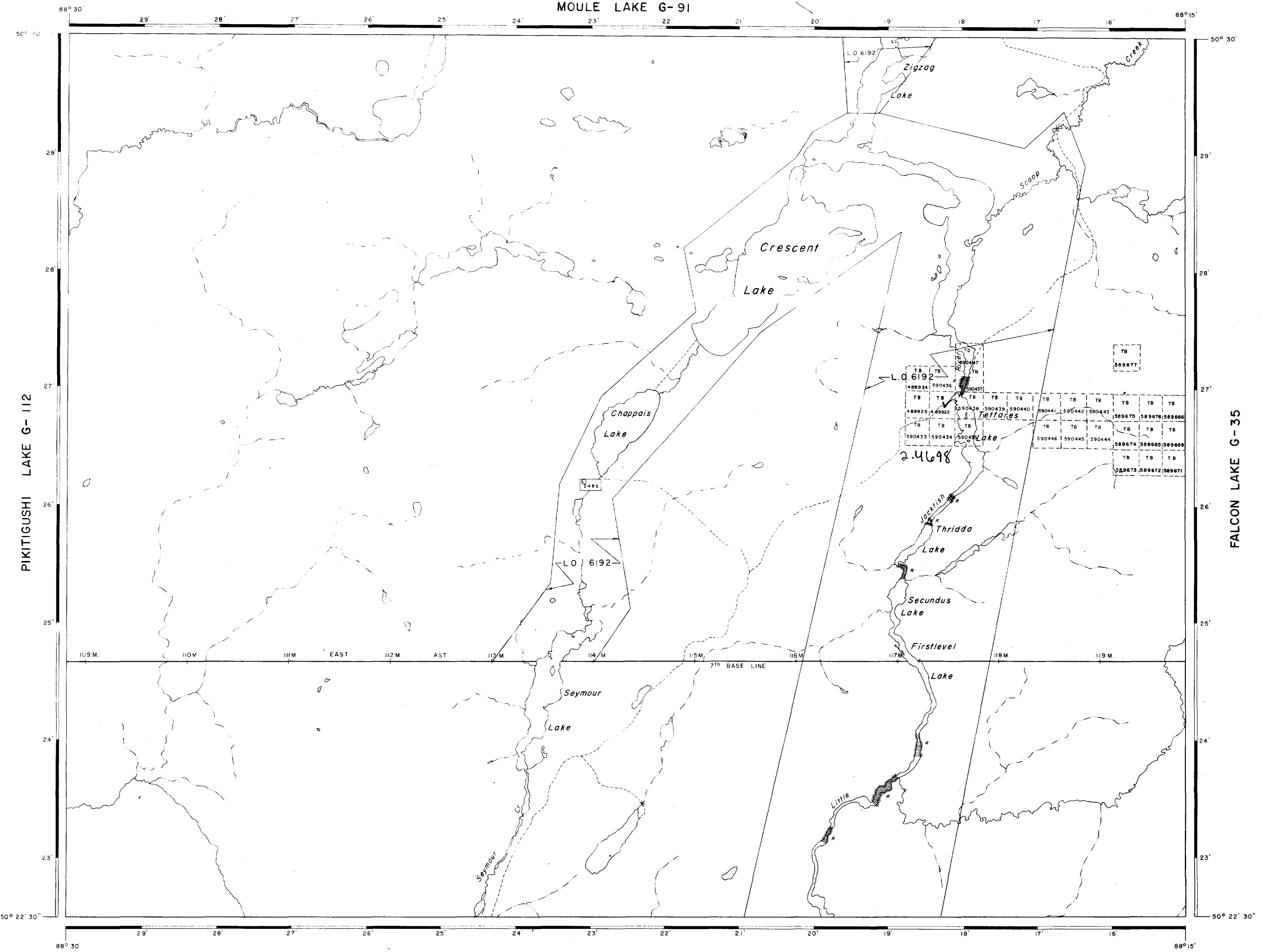
5	Analyses of Beryllium	@ \$5.00	<u>\$25.00</u>
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dr *Has been paid*
J.D.

11-

THIS IS A PROFESSIONAL SERVICE
ACCOUNTS DUE WHEN RENDERED

REFERENCES



MOULE LAKE G-91

PIKITIGUSHI LAKE G-112

FALCON LAKE G-35

FERLAND STATION G-36

REFERENCES

TOPOGRAPHY
LAKES, RIVERS, ETC. FROM FOREST RESOURCES
INVENTORY SHEET NO. 504882

SURVEYS

BASELINE BY BEATTY AND BEATTY O.L.S
1927-1928 FIELD NOTE BOOKS 2297 AND 2298
CHAPPAIS LAKE DAM SITE PLAN N° 61-C-175
FILE 57614 Vol. 3 10/5/41
OGOKI DIVERSION (H.E.P.C.) L.O. 6192
PLANS R 13-6, L 23-39

LEGEND

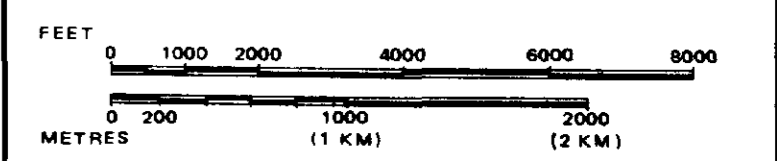
- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
 - TOWNSHIPS, BASE LINES, ETC.
 - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
 - LOT LINES
 - PARCEL BOUNDARY
 - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- 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	OC
RESERVATION	○
CANCELLED	○
SAND & GRAVEL	⊙

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC. 1.

SCALE: 1 INCH = 40 CHAINS



DATE OF ISSUE
NOV 24 1982
Ministry of Natural Resources
TORONTO

AREA
CRESCENT LAKE
M.N.R. ADMINISTRATIVE DISTRICT
NIPIGON
MINING DIVISION
THUNDER BAY
LAND TITLES / REGISTRY DIVISION
THUNDER BAY

Ministry of Natural Resources
Ontario
Land Management Branch

Date FEB. 1981

Number

G-27