



52J02NE9283 52J02NE12E1 BECKINGTON LAKE

010

DIAMOND DRILLING

Area: BECKINGTON LAKE AREA

Report No:

WORK PERFORMED FOR: Glen Erikson

RECORDED HOLDER: SAME AS ABOVE [x]

: OTHER []

<u>CLAIM NO.</u>	<u>HOLE NO.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
PA 611978	1	64 m	Sept/86	
	2	73 m	Sept/86	
PA 611993	3	199 m	Sept/86	

TOTAL: 3 DH 336 m

NOTES:

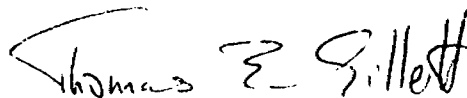
MINE LAKE RESOURCES INC.

DIAMOND DRILLING PROGRAM SUMMER, 1986

SUMMARY

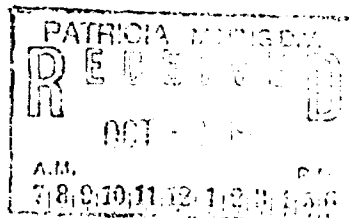
In September, 1986, a program of diamond drilling totalling 336 meters (1108.8 feet) was undertaken by Mine Lake Resources on their Ouillette Lake Claim Group. St. Lambert Drilling Company of Valleyfield, Quebec was the drilling contractor. The core recovered was BQ in size.

Included in this report are maps describing the location of the three drill holes to both the cut survey lines and the claim boundaries. The dip and orientation of all the individual drill holes are also described. A detailed lithological description of the main rock types has been made. Also described are the occurrences of sulfides, alteration, quartz, and calcite mineralization. All the sulfide mineralized zones of the core were split and sent to Swastika Laboratories of Swastika, Ontario for assay.



Thomas E. Gillett, B.Sc
Geologist

September 24, 1986.



MINE LAKE RESOURCES 1986 DRILLING PROGRAM

CORE LOGS

CANADIAN GEOLOGICAL SURVEY
ASSESSMENT FILES
RESEARCH OFFICE

OCT 6 1986

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HOLE NO. 1

LOCATION: 675N + 50E

AZIMUTH: W 25° S

DIP: 45°

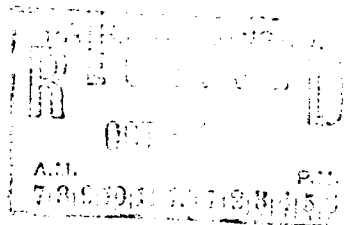
DATE DRILLING STARTED: 9/4/86

DATE DRILLING COMPLETED: 9/7/86

- 0 - 12 m Casing (Overburden).
- 12 - 17½ m Quartz diorite. Rock heavily foliated. Quartz porphyroblasts showing greyish opalescence. Euhedral and finely disseminated pyrite parallel to foliation. Dark looking prismatic mineral (possible tourmaline) ubiquitous. Many of the amphiboles altered to sericite. Rock becomes more felsic with depth.
- 17½ - 21 Altered quartz porphyry. Rock highly foliated. Quartz porphyroblastic texture still discernible. Up to 5% sulfides.
- 21 - 24 Foliated lapilli tuff. Highly foliated up to 5% sulfides.
- 24 - 26 Foliated dark grey quartz porphyry. Rock shows some indication of brecciation before core was lost.
- 26 - 31 Lost core.
- 31 - 31½ Broken core. Foliated amphiboles with pieces of quartz.
- 31½ - 32 Porphyry - light grey in color with possible black tourmaline.
- 32 - 42 Grey tuff heavily foliated in places. Rock is very siliceous with well developed sulfide bands. Rock is very friable.
- 42 - 42½ Broken ground. Rock pieces showing up to 10% sulfide mineralization with white quartz fragments.

- 42½ - 44 Fractured intermediate felsic. Highly altered zone. Rock shows well developed sulfide mineralization. Up to 25% sulfides in bands. Considerable "contortion". Quartz calcite banding parallel to foliation.
- 44 - 46 Similar to above but less sulfides. Less than 5% sulfides. Less "contortion". Fewer quartz bands.
- 46 - 51 1/4 Intermediate to felsic. Rock more felsic than above. Rock shows considerable fracturing and "contortions". In places 30-40% sulfides(51-51 1/4) Ca CO₃ veining. Rock appear to be a recemented flow.
- 51 1/4 - Slickensiding indicating a possible fault zone.
- 51 1/4 - 64 Intermediate mafic flows. Dioritic lava in plces Amphiboles altered to sericite. Occasional quartz veining and occasional sulfide zone associated with breccia zone as at 54 3/4 m. Rock does not show a distinct foliation.

Dip at end of hole 40°



HOLE NO. 2

LOCATION: 620N + 110E

AZIMUTH: W 30° S

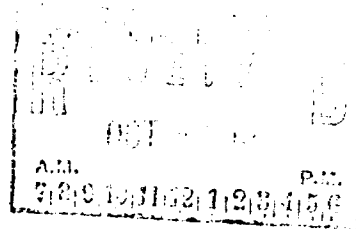
DIP: 45°

Date started: Sunday 9/8/86

Date completed: Wednesday 9/10/86

- | | |
|------------------|---|
| 0 - 3 m | Casing (Overburden) |
| 3 - 3 1/3 m | Foliated grey felsic. Possible quartz porphyry. |
| 3 1/3 - 4 1/2 m | Altered dioritic lava greenish-grey in color. Abundant quartz and calcite parallel to foliation. |
| 4 1/2 - 7 1/2 m | Greenish-purple diorite with less quartz and calcite veining. |
| 7 1/2 - 14 1/3 m | Greenish diorite showing flow banding. Rock altered, many of the amphiboles altered to chlorite. Abundant Ca CO ₃ alteration. |
| 14 1/3 - 15 m | Purple banded greenish diorite. Rock shows much "contortion" and brecciation - possible intraformational flow breccia. |
| 15 - 19 1/2 m | Massive greenish diorite. Occasional quartz and calcite bands. |
| 19 1/2 - 37 m | Massive greenish diorite with occasional quartz and calcite veining. |
| 37 - 37 1/2 m | Foliated quartz porphyry - greyish buff in color. |
| 37 1/2 - 51 m | Greenish dioritic lava with occasional quartz and calcite veining. |
| 51 - 51.3 m | Dark greenish foliated dioritic lava. Occasional quartz and calcite veining. Much alteration of amphiboles to chlorite. |
| 51.3 - 60 | Greenish coarse dioritic lava. Considerable alteration to chlorite. Occasional quartz and calcite veining. Increasing sulfides with depth 59.75 3" quartz vein with pyrite. |

- 60 - 63.3 m Brecciated quartz porphyry. Breccia filled with pyrrhotite and pyrite . Minor chalcopyrite. Sulfide vuggy with euhedral pyrite crystals. Discernible trend of mineralization paralleling foliation. Extensive carbonatization and quartz. Sulfides greater than 50% of rock. Pyrrhotite 50% of sulfides.
- 63.3 - 64½ m Altered silicified and carbonatized mafics. Carbonatized zone brownish-gray in color. Alteration parallel to foliation. Sulfides predominantly pyrite with a minor chalcopyrite. Sulfides less than 5% of rock.
- 64½ - 73 Greenish-gray diorite. Abundant alteration in the form of seritization, carbonatization and silicification.



HOLE NO. 3

LOCATION: 665N + 325E

AZIMUTH: W 25° S

DIP: 45°

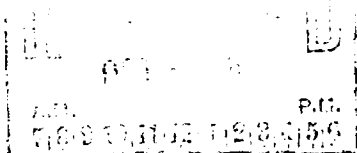
Date Started 9/10/86

Date Completed 9/16/86



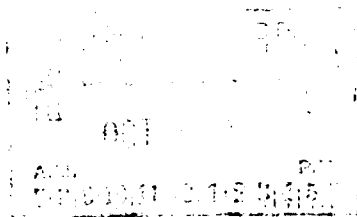
- 0 - 3 m Casing (Overburden)
- 3 - 29 m Quartz porphyry - dark grey in color. Rock shows numerous dark banding. Some bands parallel to foliation; others indicative of fracturing. Rock highly silicic.
- 39 - 30 3/4 m Rock similar to above but shows increased foliation.
- 30 3/4 - 31 1/2 m White quartz vein with dark tourmaline banding. Scattered pyrite and chalcopyrite less than 1/2% of rock.
- 31 1/2 - 32 1/2 m Foliated dark grey quartz porphyry.
- 32 1/2 - 44 m Greyish-buff fine grained quartz porphyry. Rock shows numerous dark banding.
- 44 - 50 1/2 m Dark green to grey green dioritic lava. Rock shows well developed flow banding. Abundant small quartz and calcite stringers. Disseminated fine grained pyrite near quartz veining.
- 50 1/2 - 88 1/2 m Dark grey fine grained quartz porphyry. Rock shows abundant dark banding. No visible sulfides.
- 88 1/2 - 89 3/4 m Purplish green dioritic lava with calcite and quartz bands. Contact with quartz porphyry above is indicative of a flow top.
- 89 3/4 - 90 1/2 m Transition zone.
Grayish purple quartz diorite with considerable green sericite alteration.
- 90 1/2 - 108 1/3 Dark greyish-buff foliated quartz porphyry. Rock shows abundant dark banding.
- 108 1/3-113 3/4 Dark green diorite. Well developed flow banding near top of section. Calcite and quartz veining.

- 113 3/4 - 121 1/4 Dark grey fine grained quartz porphyry with abundant dark banding.
- 121 1/4-122 1/4 Greyish-white tuffaceous rock. Well developed foliation.
- 122 1/4-126 1/4 Greenish-purple banded diorite. Faintly developed flow banding near base.
- 126 1/4-130 1/4 Grey buff tuff . Well developed foliation. Dark banding.
- 130 1/4-134 1/3 Grey-apple green to buff colored diorite. Well developed flow banding at 131 3/4 m. Quartz mineralization at top of banded zone. Disseminated pyrrhotite, chalcopyrite within 3" quartz vein.
- 134 1/3-135 1/4 Grey buff tuff with dark banding. Possible 6" intraformational breccia zone recemented with quartz at 134 3/4 m.
- 135 1/4-141 m Greyish apple green to grey diorite. Rock shows well developed quartz and calcite veining at 138.4 m. 8" quartz vein probably representing and interflow breccia. Pyrite, chalcopyrite and minor pyrrhotite, less than 5% of rock and associated with quartz veining.
- 141 - 148 m. Dark green to apple green diorite with quartz and calcite banding.
- 148 - 159 m Pale green to greenish buff diorite. Abundant banding and sericitic alteration. Fine copper and iron sulfides associated with quartz veining.
- 159 - 161 m Pale green to purple diorite. Well developed purple banding. Rock sericitized and carbonatized. Occasional sulfides near calcite and occasional quartz veining.
- 161 - 162 1/2 m Pale green to buff altered diorite with considerable distortion of bands. Sulfide mineralization increases with distortion. Up to 15% sulfides in bands.
- 162 1/2 -163 m. Similar to above with less distortion and less than 1% sulfides.
- 163-164.9 m. Pale buff to apple green diorite with dark green to purple banding. Occasional quartz veining. Less than 1/2% sulfides. Increases to approx. 1% near distorted flow interfaces.



- 164.9 - 165.3 m Grey quartz vein. Rock brecciated, sulfides 10-15%. Bottom of vein shows extensive flow banding. Abundant carbonates.
- 165.3-166.15 Greenish purple banded diorite sulfides parallel banding and compose 5-10% of rock.
- 166.5-168 m Greenish diorite with purple banding. Occasional quartz veining. Occasional quartz veining. Sulfide less than 5% of rock.
- 168-169.9 m Greenish diorite with occasional quartz veining Some veins 3-6". Sulfides less than 1% of rock.
- 169.9 -186.3 m Greenish banded diorite. Rock purple banded. Individual bands show extensive silicification.
- 186.3 - 187 m Greenish grey dioritic rock with quartz veining. Some veins 6-8". Extensive chloritic alteration. Sulfides less than 1%.
- 187 - 190.5 m. Light apple green diorite with purple banding. Carbonates and quartz alteration.
- 190.5 - 199 m Dark green diorite with quartz. Purple banding not as distinct as above. Pyrite less than 1% Mineralization associated with quartz and calcite.

dip of hole at 110m 39°
dip of hole at 199m 35°



Thomas E. Gillett
Thomas E. Gillett B Sc
Geologist

MINE LAKE RESOURCES INC.

MAP SHOWING LOCATION D.D.H. #1 AND #2

PATRICIA MITCHELL DIV.
RECEIVED
OCT - 1 1980
D.M.
112 118 81450



Base
Line

L700N

DDH #1

DDH #2

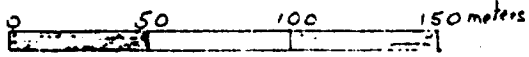
L500N

611978

L500N

L400N

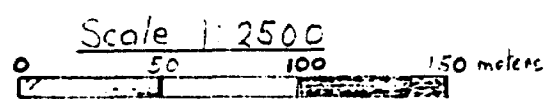
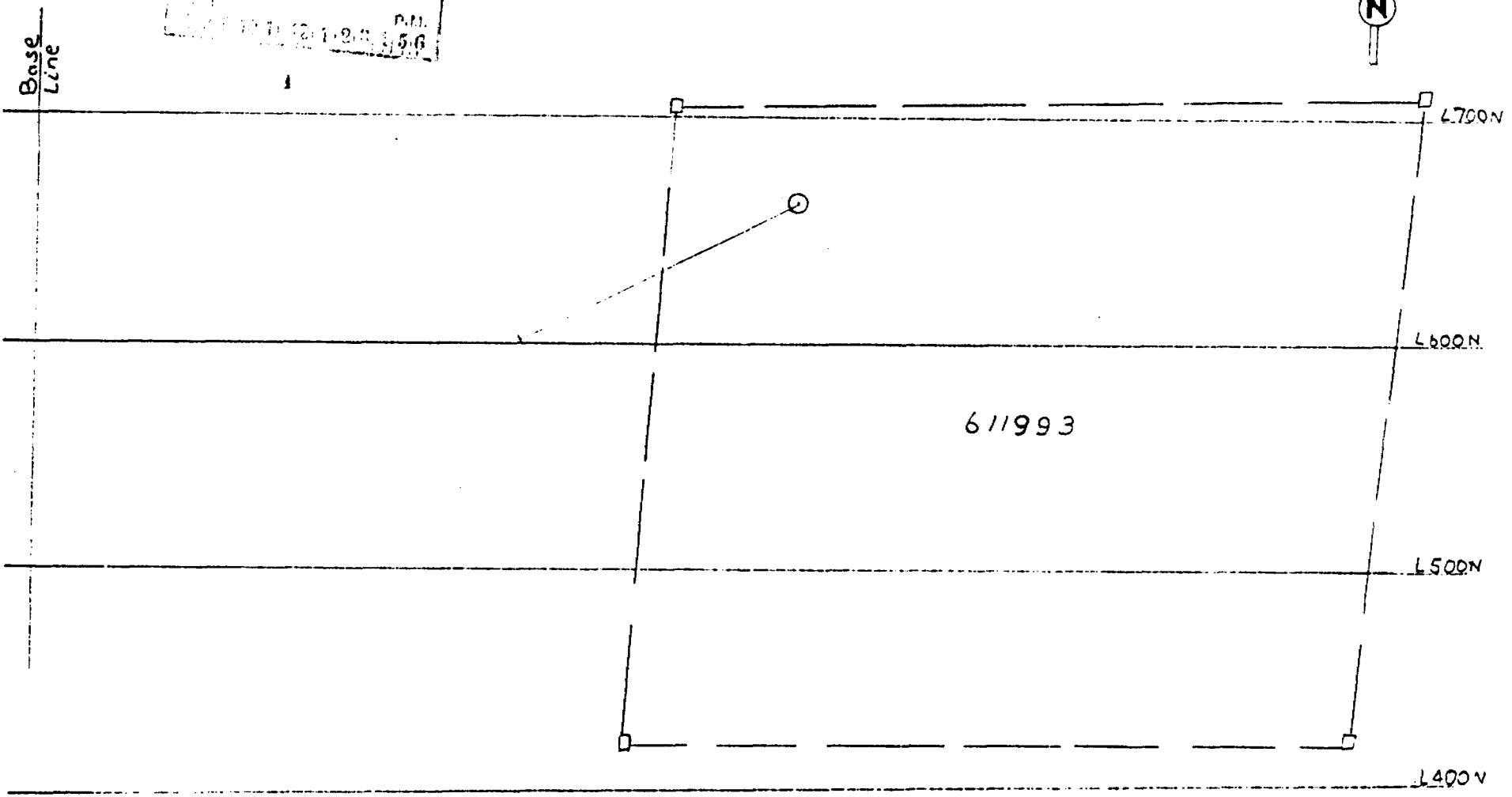
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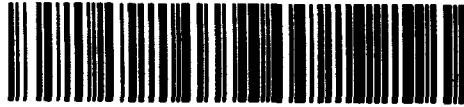
S. S. Sillett

PATRICIA MINING DIV.
RECEIVED
OCT - 1 1961
P.M.
12:20 1961

MINE LAKE RESOURCES INC.
MAP SHOWING LOCATION OF D.D.H. #3

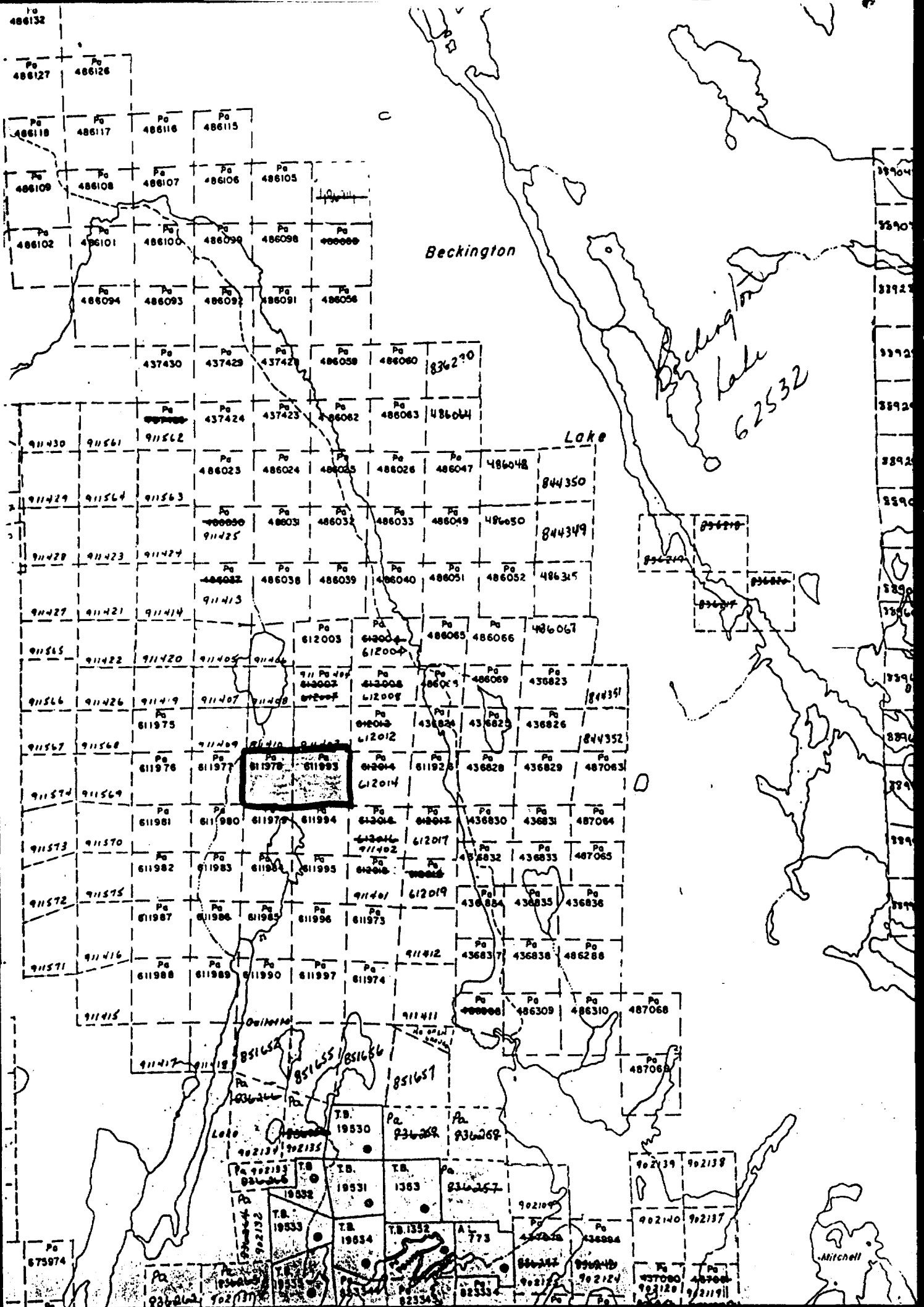


E. Sillett



52J02NE9283 52J02NE12E1 BECKINGTON LAKE

300





Ministry of Natural Resources

Report of Work

#86-144

Instructions - Supply required data on a separate form for each type of work to be recorded (see table below). For Geo-technical work use form no. 1362 "Report of Work (Geological, Geophysical, Geochemical and Expenditures)".

Assess lib. RES GEOL

The Mining Act

Name and Postal Address of Recorded Holder: **GLEN ERIKSON**
525/02 NE (86)
 Suite 1710-390 Bay Street, Toronto, Ontario M5H 2Y2 **BECKINGTON LAKE G2S3Z**

Prospector's Licence No.: **A45586**

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed	Mining Claim			Mining Claim			Mining Claim		
	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.
1108 1102	Pa	611973	40	Pa	611981	40	Pa	611989	40 42
for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey		611974	40		611982	40		611990	100
		611975	40		611983	40		611993	100
		611976	40		611984	40		611994	40
		611977	40		611985	40		611995	40
		611978	100		611986	40		611996	40
		611979	40		611987	40		611997	40
		611980	40		611988	40			

All the work was performed on Mining Claim(s): **611993, 611978**

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

Diamond Drill **St. Lambert Drilling Company** Drilling Done **9/4/86 - 9/16/86**
Valleyfield, Quebec

Handwritten signature and notes:
Accounted
OCT - 1, 1986

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
MICH OFFICE

OCT 6 1986

RECEIVED

Pa. 611973

Date of Report: **Sept. 29/86**
 Recorded Holder or Agent (Signature): *[Signature]* AGENT

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.

Name and Postal Address of Person Certifying: **Thomas E. Sillit** RR#3 **Marquette Ontario K0K 2M0.**
 Date Certified: **9/25/86**
 Certified by (Signature): *[Signature]*

Table of Information: Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing: footage, diameter of core, number and angles of holes.		Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyor.	Nil	Nil

52J/07NE-0020-A1

LOAD: COMBO

DD*14