

DIAMOND DRILLING



32D05NW0179 16 GARRISON

010

TOWNSHIP: Garrison

REPORT No.: 16

WORK PERFORMED BY: J. R. Moses

| <u>CLAIM No.</u> | <u>HOLE No.</u> | <u>FOOTAGE</u> | <u>DATE</u> | <u>NOTE</u> |
|------------------|-----------------|----------------|-------------|-------------|
| L 522593-4 | 83-1 | 995 | June/83 | (1) |
| | 83-2 | 486 | June/83 | (2) |
| | <i>2</i> | <i>1481</i> | | |

NOTES: (1) #173-83
(2) #285-83

COMPANY _____

Township GARRISON18 CLAIMSPROPERTY L. 522593 to L. 522610 (in. 1.) plus L. 522616 & L. 522617Claim No. L 522593 & L 522594SHEET No. 1
Started June 14, 1983
Finished Not finished
Depth 995' (June 24, 1983)Reference _____
Location APPROX. 1000' on bearing 565°W. (AST) from No 1 post, L. 522594
Elevation 1100' (APPROX.)HOLE No. 83-1
Bearing N. 10° E. (AST.)
Dip: -45° @ Collar; -49° @ 200'
- 50° @ 400'; -48° @ 600'; -48° @ 800'

| FROM | TO | DESCRIPTION | SAMPLES | | | ASSAYS | | | |
|--------|--------|--|---------|--------|--------|--------|------|--|--|
| | | | NO | FROM | TO | WIDTH | Au. | | |
| 0' | 176' | CASING:- (0'-2.5' above surface) (2.5'-100' sand) (100'-110' gravel) (110'-169' boulders and sand.) (169'-176' broken bedrock) | | | | | | | |
| 176' | 234' | ALTERED ANDESITIC FLOW Rock:- Fine grained. Varying shades of green to grey colors. Irregular patches of epidotization. Some carbonatization. Few irregular quartz-carbonate threads and veinlets. Numerous slips and fractures, some showing oxidization & rust. @ 201'-204', badly broken core. Slips at all angles showing oxidization and rust. @ 215.5'-217.0', badly broken core. @ 217.0'-218.3', LOST CORE @ 226.0'-234.0', badly broken. 4.0 LOST CORE in section. FAULT ZONE (Lost water return) Cement job was successful. | | | | | | | |
| 234.0' | 237.0' | MINERALIZED BRECCIA ZONE:- Intensely brecciated and altered. Rock fragments altered to reddish brown colors. Fillings appear to be chlorite and quartz-carbonate. 5-10% fine to coarse pyrite mostly replacements in fragments. | 45962 | 234.0' | 237.0' | 3.0' | 0.13 | | |
| 237.0' | 273.0' | ALTERED ANDESITE:- As above. @ 237.0'-238.0', badly broken core. Rusty. @ 252.0'-252.5', QUARTZ VEINING:- 2.5% inclusion of wallrock. Some bleaching along walls of vein. Some fine pyrite | | | | | | | |

and a little chalcopyrite along walls of quartz.

Drilled by N. MORISSETTE D.D. LTD. Core Size A.Q. (1 1/16" diam.)Logged by H. Hamnerstrom

COMPANY _____

Township GARRISON

PROPERTY L. 522593 to L. 522610 (incl) plus L. 522616 & L. 522617

Claim No. L. 522593 & L. 522594

18 CLAIMS

SHEET No. 2
 Started _____
 Finished _____
 Depth _____

Reference _____
 Location _____
 Elevation _____

HOLE No. 83-1
 Bearing _____
 Dip: _____ @ Collar; _____ @ _____

| FROM | TO | DESCRIPTION | SAMPLES | | | ASSAYS | | |
|--------|--------|---|---------|------|----|--------|--|--|
| | | | NO | FROM | TO | WIDTH | | |
| 237.0' | 273.0' | ALTERED ANDESITE:- Continued. @ 253.5'-260.5', badly broken oxidized. FAULT ZONE: 1.2' Lost Core in section. @ 261.4'-262.1', 30-40% irregular quartz-carbonate. Some reddish alteration. Considerable fine pyrite. @ 272.0'-273.0', badly broken. Some is run over Cave. | | | | | | |
| 273.0' | 360.0' | ALTERED ANDESITE:- As before but more massive - few slips. Scattered irregular epidote patches. Locally a little irregular bleaching. Few irregular quartz-carbonate veinlets and threads. Few pyrite. | | | | | | |
| 360.0' | 686.0' | ALTERED ANDESITIC FLOW ROCK:- Irregular chloritic seams. 5-10% irreg. quartz-carbonate veinlets, stringers & threads. Numerous slips at all angles to core. Some irregular epidote patches. @ 375.1'-375.6', FAULT. Sheared mud seam at 65° to core axis. @ 403.3', 3 inch irreg. grey quartz. Some coarse pyrite. @ 428.4'-534.0', numerous slips & fractures to in places badly broken core. Rusty locally. Few scattered pyrite. @ 457.0', 3/4" felsitic dikelet at 45° will rock bleached for 1" or so. @ 457.8'-458.1', irregular felsitic dikelet at about 30°. Bleaching of wallrock for several inches. | | | | | | |

Drilled by N. MORISSETTE D.D. LTD. Core Size AQ (1 1/16" diam.)

Logged by St. Hammerstrom

COMPANY _____

Township GARRISONPROPERTY L.522593 to L.522610 (incl) plus L.522610
& L.522617Claim No. L.522593 & L.52259418 CLAIMSSHEET No. 3
Started _____
Finished _____
Depth _____Reference _____
Location _____
Elevation _____HOLE No. 83-1
Bearing _____
Dip: _____ @ Collar; _____ @ _____

| FROM | TO | DESCRIPTION | SAMPLES | | | ASSAYS | | |
|---------------|-----------------|---|---------|------------------------|-------------|--------|------|--|
| | | | NO | FROM | TO | WIDTH | Acc. | |
| <u>360.0'</u> | <u>- 686.0'</u> | <u>ALTERED ANDESITIC FLOW ROCK: (Cont.)</u> | | | | | | |
| | @ | <u>468' - 469' LOST CORE</u> | | | | | | |
| | @ | <u>499.3' - 500' LOST CORE</u> | | | | | | |
| | @ | <u>534.0' - 686', Core more compact. Few slips.</u> | | | | | | |
| X | @ | <u>540.0' - 548.0', VEIN ZONE: 40-50% irreg.</u> <u>quartz & quartz-carbonate veins & vein-</u> <u>lets. Considerable pyrite, mostly in altered</u> <u>Wallrock material. Locally some red alteration.</u> | | <u>540.0' - 548.0'</u> | <u>8.0'</u> | | | |
| | | <u>NOTE: 2" mud seam at 545'. 45°?</u> | | <u>548.0' - 550.0'</u> | <u>2.0'</u> | | | |
| X | @ | <u>550.0' - 558.5', 25-30% irregular quartz &</u> <u>quartz-carbonate veins & veinlets. Consid-</u> <u>erable pyrite locally. Much broken core.</u> | | <u>550.0' - 558.5'</u> | <u>8.5'</u> | | | |
| | | <u>551.7' - 553.0' LOST CORE</u> | | | | | | |
| X | @ | <u>612.0' - 615.2', altered to reddish colors. Some</u> <u>brecciation. Seam magnetite. Fine pyrite</u> | | <u>612.0' - 615.2'</u> | <u>3.2'</u> | | | |
| | @ | <u>619.2', some faintly coarse pyrite.</u> | | | | | | |
| | @ | <u>649.3' - 651.7', badly broken. Rusty slips.</u> | | | | | | |
| X | @ | <u>664.0' - 664.5', 1/2" grey quartz at high angle</u> <u>to core, well mineralized with fine pyrite.</u> | | <u>664.0' - 664.5'</u> | <u>0.5'</u> | | | |
| | @ | <u>675.0', 2" zone at 45°. Heavy magnetite.</u> <u>Some pyrite and irreg. quartz-carbonate</u> | | | | | | |
| X | @ | <u>684.5' - 686.0', VEIN ZONE: 20-25%</u> <u>magnetite. 10-15% quartz-carbonate. Consid-</u> <u>erable fine pyrite, mostly in magnetite.</u> | | <u>684.5' - 686.0'</u> | <u>1.5'</u> | | | |
| | | <u>NOTE: @ 685.2', 3 paralleling slips at 40°</u> | | | | | | |
| <u>686.0'</u> | | <u>CONTACT? :- Rock type change?</u> | | | | | | |
| <u>686.0'</u> | | <u>ALTERED ANDESITE: SPHERULITIC:-</u> <u>Fine grained. Light greyish-green colors.</u> | | | | | | |

Drilled by N. MORISSETTE D.D. LTD.Core Size A.Q. (1 1/16" diam.)Logged by N. Hammarstrom

COMPANY _____

Township GARRISON18 CLAIMSPROPERTY L. 522593 to L. 522610 (incl.) plus L. 522616& L. 522617Claim No. L. 522593 & L. 522594SHEET No. 4
Started _____
Finished _____
Depth _____Reference _____
Location _____
Elevation _____HOLE No. 83-1Bearing _____
Dip: _____ @ Collar; _____ @ _____

| FROM | TO | DESCRIPTION | SAMPLES | | | ASSAYS | | |
|--------|--------|---|---------|--------|--------|--------|--|--|
| | | | NO | FROM | TO | WIDTH | | |
| 686.0' | 789.5' | <u>ALTERED ANDESITE: SPHERULITIC:- (cont.)</u> Locally some irregular spherulitic developments, may mark poorly developed pillow rims. Scattered narrow irregular seams patches etc. of quartz-carbonate, bleaching and reddish alteration usually accompanied by some pyrite. Locally some irregular epidote alteration. Varying magnetite content to in places the core is quite magnetic. | | | | | | |
| * @ | 702.0' | <u>SILICIFIED & MINERALIZED</u> Highly silicified. Much fine magnetite in places quite heavy. A little irregular quartz, carbonate. Considerable pyrite scattered through. | | 702.0' | 711.0' | 9.0' | | |
| 789.5' | 802.2' | <u>FELDSPAR PORPHYRY:-</u> Very numerous small poorly formed light reddish feldspar phenocrysts in fine grained darker reddish brown groundmass. Contacts are very fine grained and ragged but well defined. Hard, massive rock. A few small rounded wallrock inclusions. | | | | | | |
| 802.2' | 995.0' | <u>ALTERED ANDESITE:-</u> AS above. <u>NOTE:-</u> Hole was at 995.0' in late afternoon on June 24th 1983 It is intended for the hole to go to about 1200' depending on drilling conditions. | | | | | | |

Drilled by N. MORISSETTE D.D. LTD.Core Size A.Q. (1 1/16" diam.)Logged by H. Hammerstrom

June 25th 1983

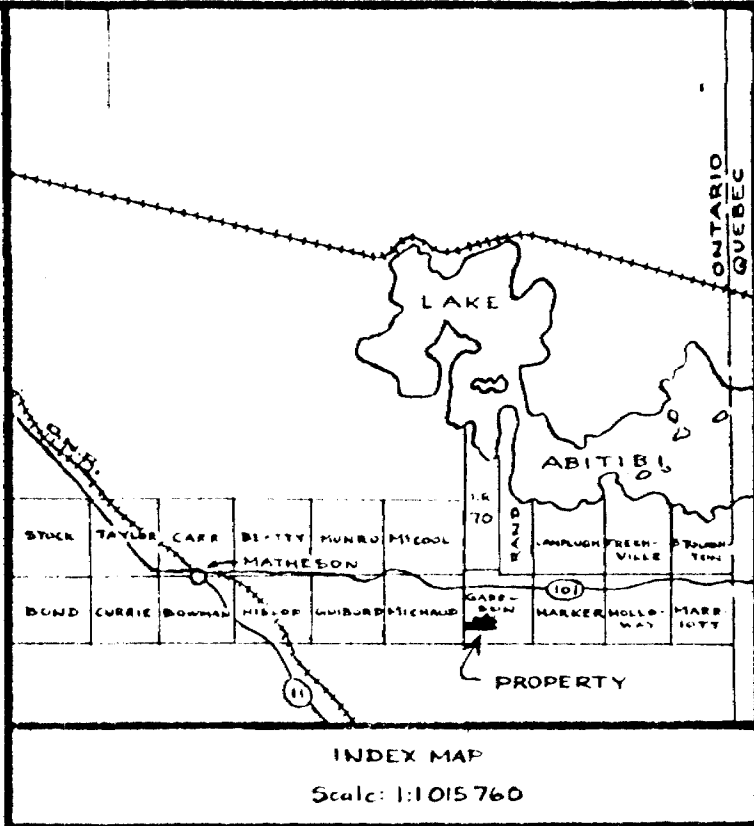
COMPANY _____

PROPERTY L. 522593 to L. 522610 (incl.) plus L. 522616
18 CLAIMS
& L. 522611Township GARRISONClaim No. L. 522593SHEET No. 1
Started June 28, 1983
Finished July 1, 1983
Depth 486.0'
HORIZ. PROJ. 296'Reference IRON PIN, N#4 POST L38477
Location 365' N. & 300' W. (AST.) ON
L. 522593 FROM ABOVE I.P.
Elevation 1100' (APPROX.)HOLE No. 83-2
Bearing N. 1° 0' W. (AST.)
Dip: -50° @ Collar; -55° @ 200

| FROM | TO | DESCRIPTION | SAMPLES | | | ASSAYS | | |
|--------|--------|---|-----------|---------------|-------|--------|---------------|--|
| | | | NO | FROM | TO | WIDTH | Gr. | |
| 0' | 182.0' | CASING:-(0'-2.5', above surface.) (2.5'-85.0', Sandy clay.) (85.0'-175.0', boulders etc.) (175.0'-182.0' in bedrock). | | | | | | |
| 182.0' | 184.0' | ALTERED ANDESITIC FLOW ROCK:- Fine grained. Numerous irregular carbonate veinlets. Numerous slips at high angle to core. @ 183.6', 3/4" zone carbonated and altered to reddish brown colors. Much fine pyrite. @ 183.7', 1/2" zone similar to above. Both at high angles to core. | | | | | | |
| 184.0' | 444.0' | DIABASIC FLOW Rock:- Medium diabasic texture with finer grained margins. Fairly massive rock. Numerous slips at all angles. Scattered irregular quartz-carbonate veinlets. Some irregular epidote patches locally. @ 282.6', 1" irregular granitic likelet. | | | | | | |
| 444.0' | 486.0' | ALTERED ANDESITIC FLOW ROCK:- Similar to at beginning of hole. Numerous slips and broken core sections @ 448.0'-450.5', felsitized, silicified & carbonated. Numerous slips. 2-3% pyrite @ 450.5'-454.5' LOST CORE @ 454.5'-455.5', Crushed, carbonated & felsitized. 3-5% pyrite. Mud seam @ 55° & 1" fault breccia. @ 455.5'-486.0', much broken core. Numerous slips. Scattered quartz-carbonate veinlets. Few pyrite. 3" zone 50% hematite @ 484.0' | 45975 | 447'-457' | 10.0' | TRACE | SLUDGE SAMPLE | |
| | | | 45976 | 448.0'-450.5' | 2.5' | TRACE | | |
| | | | LOST CORE | 450.5'-454.5' | 4.0' | L.C. | | |
| | | | 45977 | 454.5'-455.5' | 1.0' | TRACE | | |

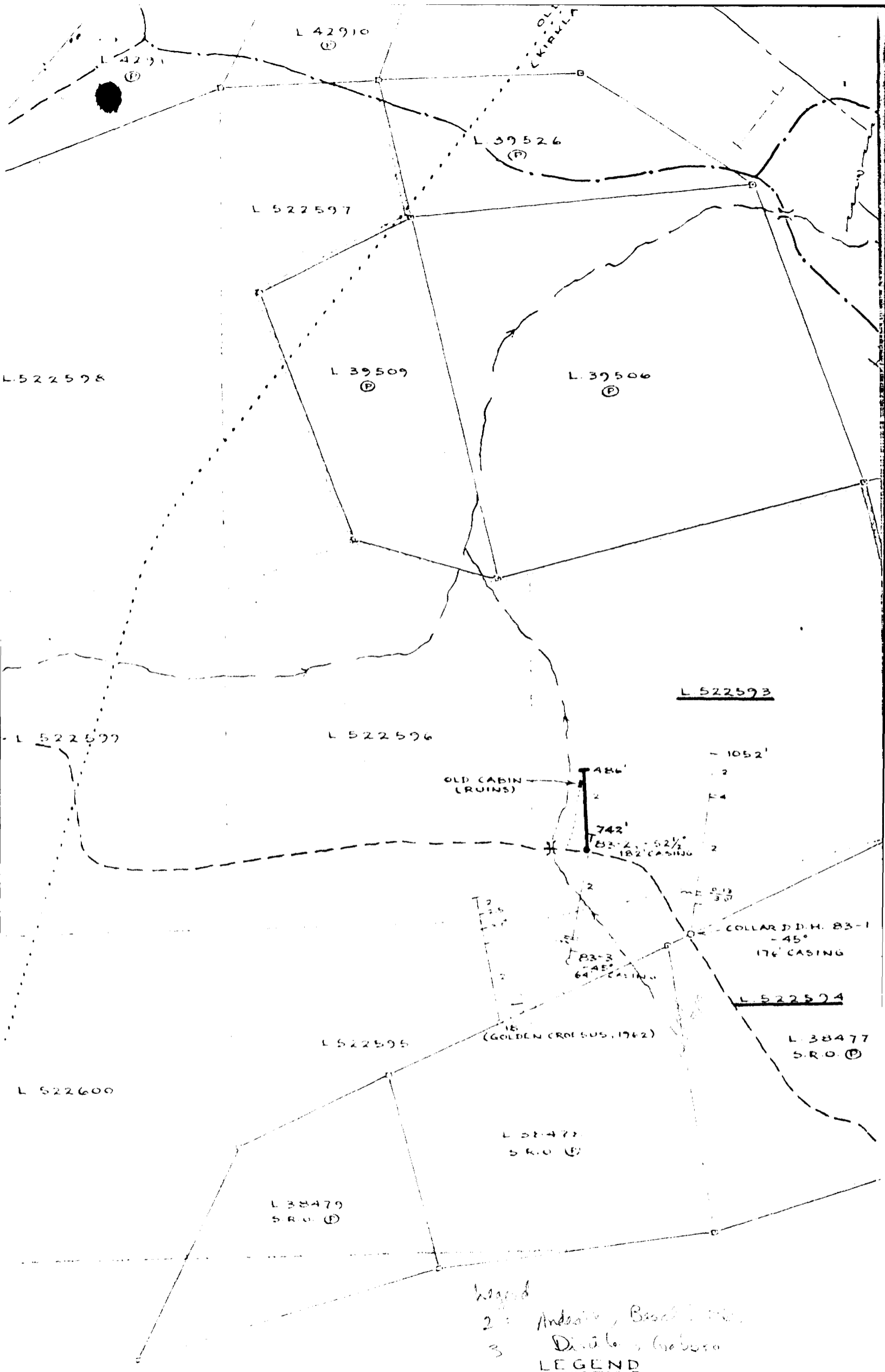
486.0' END OF HOLE:-

Drilled by N. MORISSETTE D.D. LTD. Core Size A.Q. (1 1/16" diam.)Logged by H. Hammerstrom



N. AST.





| | |
|---|-----------------------------------|
| 5 | TRAPASE (NEWFIELD DSKE) |
| 4 | GRANITE, SYENITE FELDSPAR PORPHYR |

Garrison Twp

Name and Address of Recorded Holder: **JOHN R MOSES**
Prospector's Licence No.: **D15479**

Address: **PORT CARLING ONTARIO POB 110**

Summary of Work Performance and Distribution of Credits

| Total Work Days Cr. claimed 486 | Mining Claim | | Work Days Cr. | Mining Claim | | Work Days Cr. | Mining Claim | | Work Days Cr. |
|--|--------------|--------|---------------|--------------|--------|---------------|--------------|--------|---------------|
| | Prefix | Number | | Prefix | Number | | Prefix | Number | |
| 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 type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey | L | 522617 | 80 | | | | | | |
| | | 522616 | 80 | | | | | | |
| | | 522609 | 80 | | | | | | |
| | | 522608 | 80 | | | | | | |
| | | 522593 | 60 | | | | | | |
| | | 522595 | 60 | | | | | | |
| | 522596 | 46 | | | | | | | |

All the work was performed on Mining Claim(s): **L 522594 & L 522593**

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

AQ WIRELINE DIAMOND DRILLING 486 ft.
N. MORRISSETTE D. D. LTD Haileybury ONT.

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
LIBERATION OFFICE
OCT 7 1983
RECEIVED

LARDELL LAKE
RECEIVED
SEP 26 1983
AM PM
7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6

RECORDED SEP 28 1983
REC. No. _____

Date of Report: **September 1**
Recorded Holder or Agent (Signature): **John R Moses**

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: **JOHN R MOSES Box 459 PORT CARLING ONT**
POB 110
Date Certified: **Sept 1 1983**
Certified by (Signature): **John R Moses**

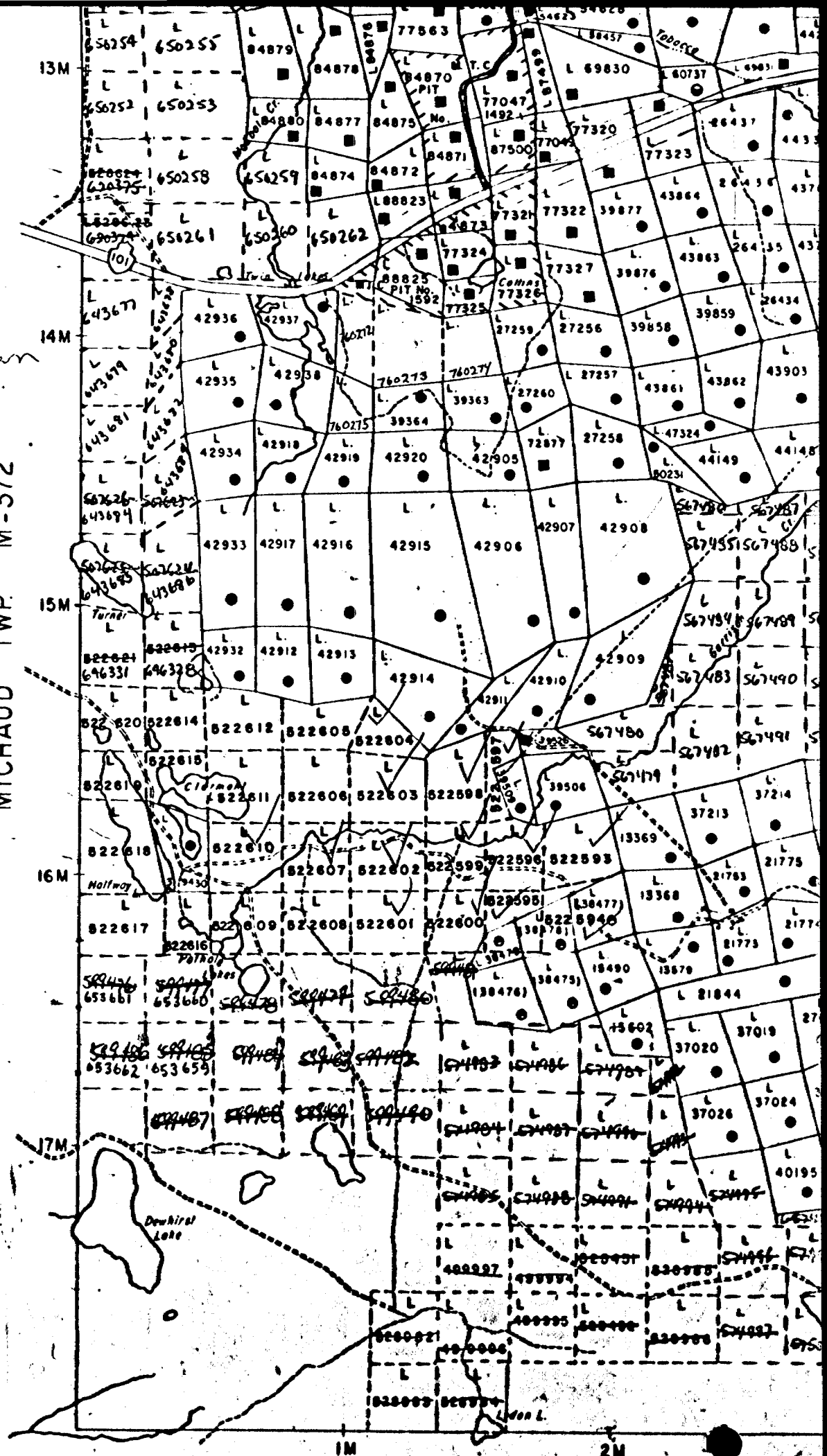
Table of Information/Attachments Required by the Mining Recorder

| 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. | Work Sketch (as above) in duplicate |
| 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. | Nil | Nil |
| Land Survey | Name and address of Ontario land surveyor. | | |

D. R. Morris

*Danman
twp
M349
#173-83*

MICHAUD TWP. M-372



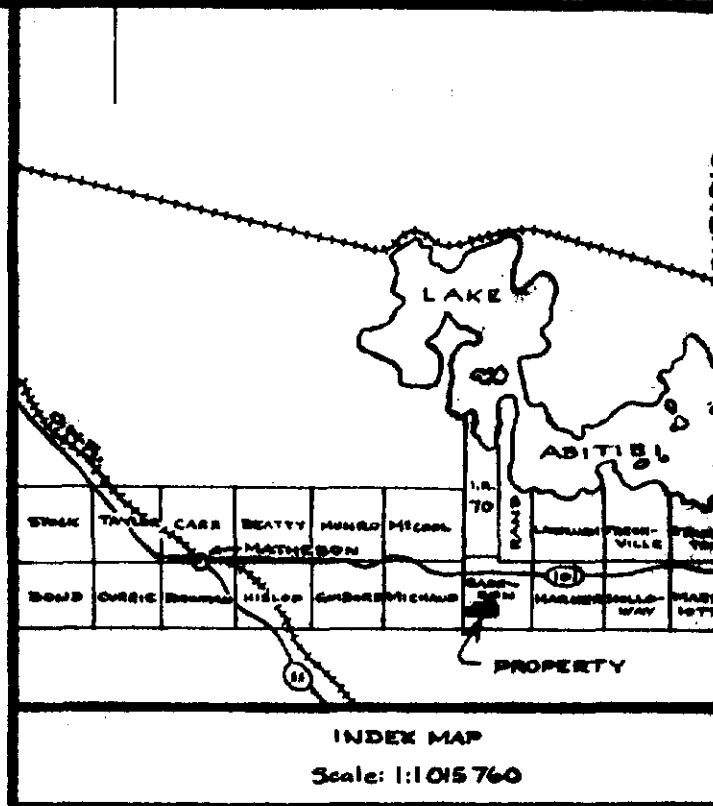
THACKERA



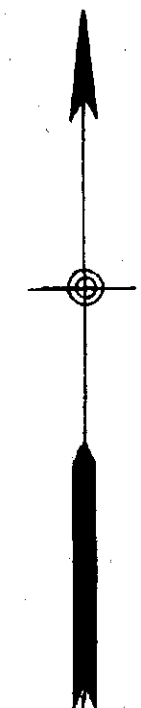
Ontario

Ministry of
Northern Development
and Mines

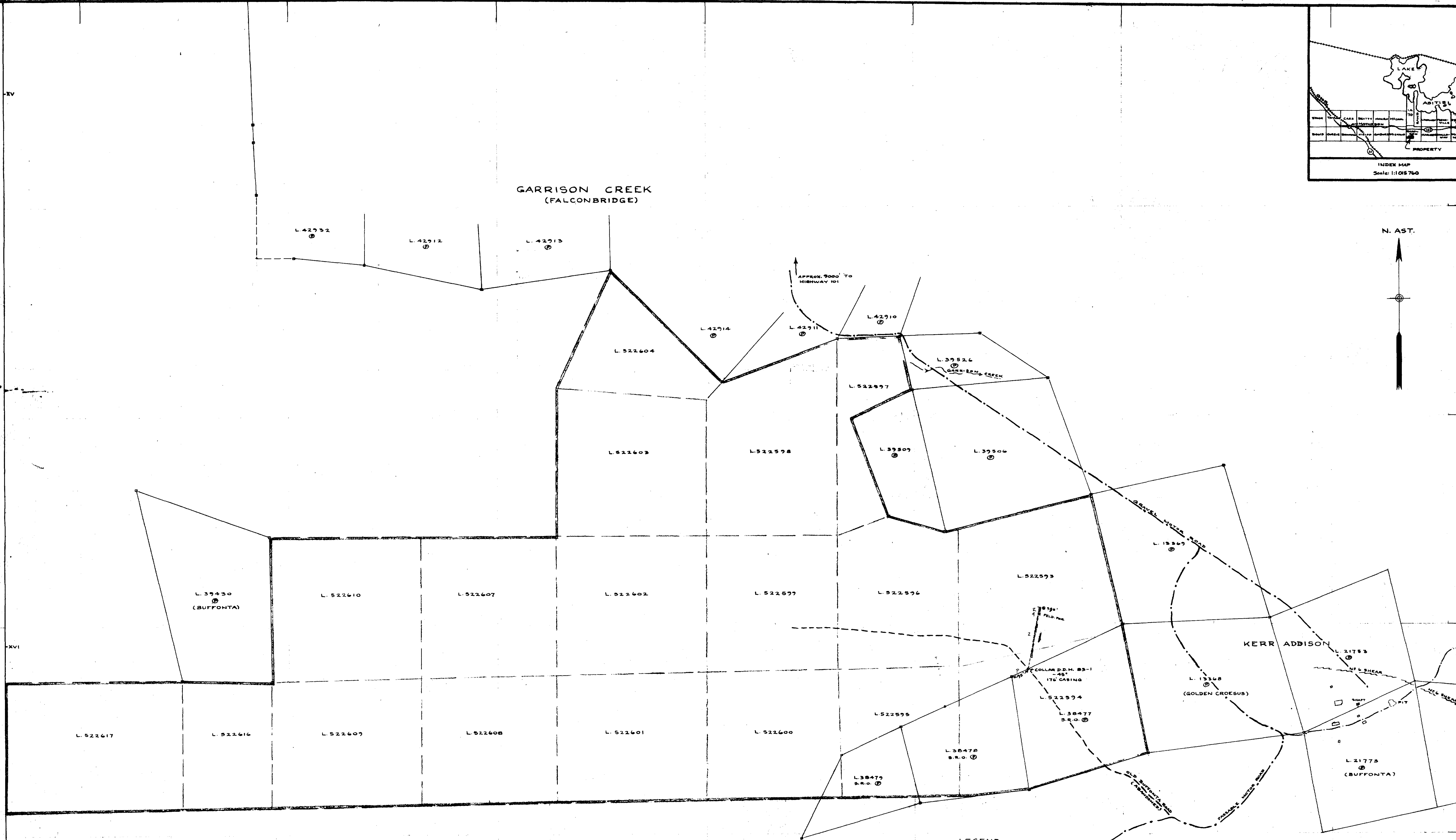
The following material (D.D.H. x-sections) has been placed on file from OMEP submittal OM 83-6-P-176 . The following material was not included in the assessment submittal but has been placed on file due to its significance to this report.



N. AST.



GARRISON CREEK
(FALCONBRIDGE)



NOTES:
 1. PATENTED CLAIMS PLOTTED FROM SURVEY PLANS
 2. UNSURVEYED MINING CLAIMS ARE PLOTTED, AS CLOSE AS POSSIBLE, TO CONFORM AS SHOWN ON PRINT OF GARRISON TOWNSHIP, DATED JANUARY 11, 1955

Symbols

| | |
|--|--|
| | PROPERTY BOUNDARY |
| | DIAMOND DRILL HOLE (HORIZONTAL PROJECTION) |
| | FAULT, INDICATED AND KNOWN |
| | UNSURVEYED CLAIM BOUNDARY |
| | SURVEYED CLAIM BOUNDARY |
| | SURVEYED CLAIM CORNER |
| | TRAIL |
| | ROAD |
| | CREEK OR WATERCOURSE |

LEGEND

| | |
|--|--|
| | DIABASE (NEWFIELD DYKE) |
| | GRANITE, SYENITE, FELDSPAR PORPHYRY ETC. |
| | DIORITE, GABBRO ETC. |
| | AMPHIBOLITE, BASALT ETC. |
| | GREYWACKE, ARGILLITE ETC. |
| | TALC-CHLORITE-CARBONATE SCHIST ETC. |
| | CARBONATE ROCK |
| | MINERALIZATION (GOLD BEARING TYPE) |

MINING CLAIMS
 L. 522595 TO L. 522610 (INCL.) PLUS L. 522616 & L. 522617
 GARRISON TOWNSHIP - LIGHTNING RIVER AREA - ONT.
 PRELIMINARY PLAN
 SHOWING DRILL HOLES, ETC.
 SCALE: 1" = 400'
 400' 0' 400'
 DRAWN BY: *H. Hammarstrom* JUNE 24, 1958

MICHAUD TOWNSHIP
GARRISON TOWNSHIP



Looking west

83-1

Overburden

broken core
altered andesite flow massive
lost core
quartz-carbonate breccia 5-10% pyrite
quartz veining pyrite, chalcopyrite
quartz-carbonate veins pyrite

felsite dikes
altered andesite flow rock

quartz-carbonate veins/veinlets pyrite
lost core

breccia magnetite, pyrite

grey quartz vein pyrite
quartz-carbonate vein magnetite, pyrite

silicified magnetite, pyrite

altered andesite
feldspar porphyry

quartz vein magnetite, chalcopyrite, pyrite

quartz breccia veins pyrite, chalcopyrite

quartz vein pyrite, chalcopyrite, galena

1052'

Location 83-1
S 65° W from No. 2 Post L 522593
Bearing N 10° E
Elevation 1100' approx.

0 40 80
scale 1" = 40'

MINING CLAIMS
L 522593 TO L 522604 (INCL.), L 522607 TO L 522610 (INCL.)
PLUS L 522616 AND L 522617
GARRISON TOWNSHIP - LIGHTNING RIVER AREA - ONT.

CROSS SECTION
DIAMOND DRILL HOLE
83-1

By W. Hammerstrom
Map 4
July 1963





Name and Address of Recorded Holder

Garrison Twp

The Mini

JOHN R MOSES

D15479

PORT CARLING ONTARIO POB 110

Summary of Work Performance and Distribution of Credits

Table with columns: Total Work Days Cr. claimed (486), Mining Claim Prefix/Number, Work Days Cr. Includes checkboxes for Manual Work, Shaft Sinking, etc.

All the work was performed on Mining Claim(s): L-522594 & L-522593

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

AQ WIRELINE DIAMOND DRILLING 486 ft. N. MORRISSETTE D. D. LTD Haileybury ONT.

ONTARIO GEOLOGICAL SURVEY ASSESSMENT FILES RESEARCH OFFICE OCT 7 1983 RECEIVED

LARGE TABLE RECEIVED SEP 26 1983 AM 7 18 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6

RECORDED SEP 28 1983 REC. No.

Date of Report: September 1 Recorded Holder or Agent (Signature): John R Moses

Certification Verifying Report of Work

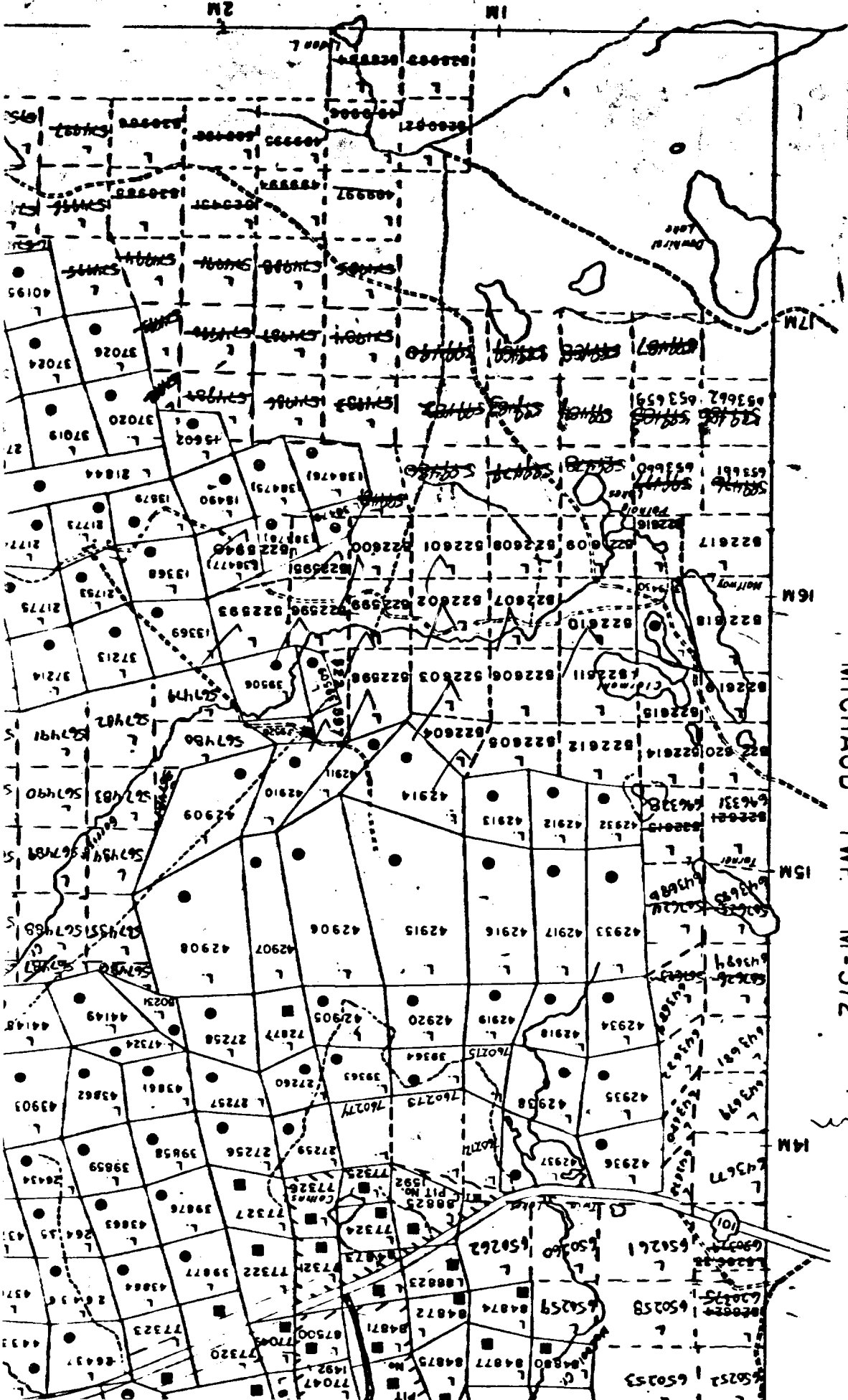
I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying: JOHN R MOSES Box 459 PORT CARLING ONT POB 110 Date Certified: Sept 1 1983 Certified by (Signature): John R Moses

Table of Information/Attachments Required by the Mining Recorder

Table with 4 columns: Type of Work, Specific information per type, Other information (Common to 2 or more types), Attachments. Rows include Manual Work, Shaft Sinking, Compressed air, Power Stripping, Diamond or other core.

THACKERA



MICHAUD TWP. M-372

#173-83

for
M349
manor

A. R. Moore



Ontario

Ministry of
Northern Development
and Mines

The following material (P.D.H. x-section) has been placed on file from OMEP submittal OM83-6-P-176 . The following material was not included in the assessment submittal but has been placed on file due to its significance to this report.