



42F16NW0006 10 AUDEN

010

Diamond Drilling

Township of AUDEN

Report NO: 10

Work performed by: NORTH D'ARCY EXPLORATION LTD.

| Claim NO | Hole NO | Footage | Date | Note |
|------------|---------|---------|--------|------|
| SSM 213096 | # 1 | 264' | Feb/71 | (1) |
| SSM 213097 | # 2 | 260' | Feb/71 | (1) |
| | # 3 | 200' | Mar/71 | (1) |
| | # 4 | 275' | Mar/71 | (1) |
| | # 5 | 302' | Mar/71 | (1) |
| SSM 213099 | # 6 | 210' | Mar/71 | (1) |

Notes: - (1) 200/71

- Autositives enclosed



THE MINING ACT - DEPARTMENT OF MINES
DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

FILL IN ON EVERY PAGE
HOLE NO. **1** PAGE NO. **1**

DRILLING C

NY

Lake Superior Diamond Drilling Co.

COLLAR ELEVATION

264

LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM

MAP REFERENCE NO.

CLAIM NO.

DATE HOLE STARTED

DATE LOGGED

LOGGED BY

DIP OF HOLE AT COLLAR

45°

LOCATION (T.P., Lot, Con. OR Lat. and Long.)

Feb 18/71

Feb 22/71

Feb 28/71

Hugh H. Sutherland and

1000 ft

45°

Grid

AUDEN TWP

EXPLORATION CD., OWNER OR OPTIONEE

DATE SUBMITTED

SUBMITTED BY (Signature)

2000 ft

45°

seen

PROPERTY NAME

ASSAYS +

FOOTAGE FROM TO

ROCK TYPE

DESCRIPTION

PLANAR FEATURE ANGLE

CORE SPECIMEN FOOTAGE +

YOUR SAMPLE NUMBER

SAMPLE FOOTAGE FROM TO

SAMPLE LENGTH

ASSAYS +

0 42

Casing

Colour, grain size, texture, minerals, alteration, etc.

42 75

Greenstone

75 92

As above.

92 93

Hematite

93 249

Quartzite.

249 257

Becomes altered with quartz and pebbles.

257 264

Quartzite.

264

End hole.

#2000, Auden Twp
North Arcy Exp

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

+ Additional credit available. See Assessment Work Regulations.



Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

| | | | | | | | |
|----------------------------------------------------------------------|------------------------------------|--------------------------|----------------------------------------|------------------------------|--------------------------------------------------------------------------------|---------------------------------------------|---------------------|
| DRILLING C ANY | Lake Superior Diamond Drilling Co. | COLLAR ELEVATION C | BEARING OF HOLE FROM TRUE NORTH 260 | DIP OF HOLE AT COLLAR 45° | LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM GRID 600 E 200 S | MAP REFERENCE NO. | CLAIM NO. 213087 |
| DATE HOLE STARTED Feb 24/71 | DATE COMPLETED Feb. 28/71 | DATE LOGGED Feb 24/71 | LOGGED BY Hugh H. Sutherland | LOGGED BY (Signature) | PROPERTY NAME Auelen Twp | LOCATION (Tp., Lot, Con. OR Lot. and Long.) | |
| EXPLORATION CO., OWNER OR OPTIONEE North D'Arcy Explorations Ltd. | | DATE SUBMITTED Oct 71 | SUBMITTED BY (Signature) | ft. in. 45 0 | | | |

| FOOTAGE FROM | TO | ROCK TYPE | DESCRIPTION Colour, grain size, texture, minerals, alteration, etc. | PLANAR FEATURE ANGLE | CORE SPECIMEN FOOTAGE + | YOUR SAMPLE NUMBER | SAMPLE FOOTAGE FROM | TO | SAMPLE LENGTH | ASSAYS + |
|--------------|-------|-------------------|-----------------------------------------------------------------------------------------------|----------------------|-------------------------|--------------------|---------------------|----|---------------|----------|
| 0 | 83 | Casing | | | | | | | | |
| 83 | 95 | Greenstone. | Micaceous, gneissic, greenstone; brown mica, quartz seams, chlorite, andesite, 15% quartz. | | | | | | | |
| 95 | 150.6 | Similar to above. | less quartz, and mica, fine grained hard greenstone, bedded at 45 to core. Quartz down to 3%. | | | | | | | |
| 150.6 | 165 | | Block and Broken as above. | | | | | | | |
| 165 | 176 | Greenstone. | Hard fine grained greenstone, 3% quartz; very low mica and chlorite in blebs. | | | | | | | |
| 176 | 198 | Greenstone. | Greenstone with 15% quartz and mica seams, hard. | | | | | | | |
| 198 | 227 | Greenstone. | Very hard fine grained, banded, black with 3-5% quartz seams - no mica. | | | | | | | |
| 227 | 227.3 | Quartz | Pink quartz and feldspar seam. | | | | | | | |
| 227.3 | 253 | Greenstone. | Very hard fine grained greenstone - black, banded - 3% quartz. | | | | | | | |
| 253 | 260 | As above. | With chlorite silps. | | | | | | | |
| 260 | | End hole. | | | | | | | | |

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

+ Additional credit available. See Assessment Work Regulations.



Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

FILL IN ON EVERY PAGE

HOLE NO. 4 PAGE NO. 1

DRILLING COMPANY: Lake Superior Diamond Drilling Co.

DATE HOLE STARTED: Mar 6/71 DATE COMPLETED: Mar 10/71

EXPLORATION CO., OWNER OR OPTIONEE: North D'Arcy Explorations Ltd.

COLLAR ELEVATION: 275

DATE LOGGED: Mar 15/71 DATE SUBMITTED: Oct 17/71

BEARING OF HOLE FROM TRUE NORTH: 275

LOGGED BY: [Signature] SUBMITTED BY (Signature): [Signature]

DIP OF HOLE AT COLLAR: 45°

DIP OF HOLE AT 100 ft: 45°

DIP OF HOLE AT 200 ft: 45°

LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM: Grid 4000E

MAP REFERENCE NO.: 813057

LOCATION (Tp., Lot, Con. OR Lot. and Long.): Sudbury Twp

PROPERTY NAME: [Blank]

| FOOTAGE FROM | TO | ROCK TYPE | DESCRIPTION Colour, grain size, texture, minerals, alteration, etc. | PLANAR FEATURE ANGLE | CORE SPECIMEN FOOTAGE + | YOUR SAMPLE NUMBER | SAMPLE FOOTAGE FROM | TO | SAMPLE LENGTH | ASSAYS + |
|--------------|-----|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------|--------------------|---------------------|----|---------------|----------|
| 0 | 19 | Casing. | | | | | | | | |
| 19 | 85 | Greenstone. | Dense fine grained greenstone or gabbro - very low mineralization + some quartz and red feldspar inclusions; some blebs of quartz pebbles, some pyrite. | | | | | | | |
| 85 | 113 | | Lighter colour, more silica content - still fine grained and dense, | | | | | | | |
| 113 | 115 | | Chlorite, red feldspar and hematite. | | | | | | | |
| 115 | 150 | Greenstone. | Light grey dense greenstone - 30% silica (quartzite) - very hard. | | | | | | | |
| 150 | 197 | Massive sulfides. | Pyrite and pyrrhotite - possibly some chalcocopyrite or bornite. | | | | | | | |
| 197 | 275 | Quartzite. | Dense light grey green quartzite - blebs of sulfides - less than 2% quartz stringers and greenstone stringers. | | | | | | | |
| 275 | | End hole. | | | | | | | | |

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

+ Additional credit available. See Assessment Work Regulation.



Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

| | | | | | | | | | | | | | | |
|-----------------------------------------------------------------------------|------------------------------------|---------------------------------------|------------------------------------|------------------------------|---------------------------------|---------------------------------|----------------------------------------|---------------------------------------------|-----------------------------|-------------------------------------|----------------------------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------|-----------|
| DRILLING JANY | Lake Superior Diamond Drilling Co. | DATE HOLE STARTED <i>Mar 11/71</i> | DATE COMPLETED <i>Mar 15/71</i> | COLLAR ELEVATION <i>C</i> | DATE LOGGED <i>Mar 15/71</i> | DATE SUBMITTED <i>Oct 71</i> | LOGGED BY <i>Hugh H. Sutherland</i> | BEARING OF HOLE FROM TRUE NORTH <i>C</i> | TOTAL FOOTAGE 302 | DIP OF HOLE AT COLLAR <i>45°</i> | LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM <i>Grid 500 E 1100 N</i> | MAP REFERENCE NO. 213097 | LOCATION (Twp., Lot, Con. OR Lot. and Long.) <i>Auriferous Twp</i> | CLAIM NO. |
| EXPLORATION CO., OWNER OR OPTIONEE North D'Arcy Explorations Ltd. | | | | | | | | | | | | | | |
| PROPERTY NAME | | | | | | | | | | | | | | |

| FOOTAGE FROM | TO | ROCK TYPE | DESCRIPTION <small>Colour, grain size, texture, minerals, alteration, etc.</small> | PLANAR FEATURE ANGLE + | CORE SPECIMEN FOOTAGE + | YOUR SAMPLE NUMBER | SAMPLE FOOTAGE FROM | TO | SAMPLE LENGTH | ASSAYS + |
|--------------|-------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------|--------------------|---------------------|----|---------------|----------|
| 0 | 18 | Casing | | | | | | | | |
| 18 | 77 | Greenstone. | Gneissic greenstone - very dense and compact - bedded at 45 - some quartz and chlorite seams - occasional blebs of sulfides, some chalcopyrite blebs at 58'. | | | | | | | |
| 77 | 94 | Strongly bedded | with quartz and some granite. | | | | | | | |
| 94 | 175 | Greenstone. | Fine grained dense greenstone - some granite seams - fractures at 30 to centre line. | | | | | | | |
| 175 | 181 | Sulfides. | Mineral section carrying sulfides - pyrite and pyrrhotite - possibly some low chalcopyrite or bornite. | | | | | | | |
| 181 | 260 | Greenstone. | Dense as before - blebs of sulfides less than 2%. | | | | | | | |
| 260 | 262 | | Zone carrying possible chalcopyrite. | | | | | | | |
| 262 | 255.6 | As before. | 2% sulfides. | | | | | | | |
| 255.6 | 280 | Mineralized zone | Pyrrhotite 50% plus sulfides. | | | | | | | |
| 280 | 302 | Greenstone. | Dense as before - 2% sulfide. | | | | | | | |
| 302 | | End hole. | | | | | | | | |

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

+ Additional credit available. See Assessment Work Regulations.



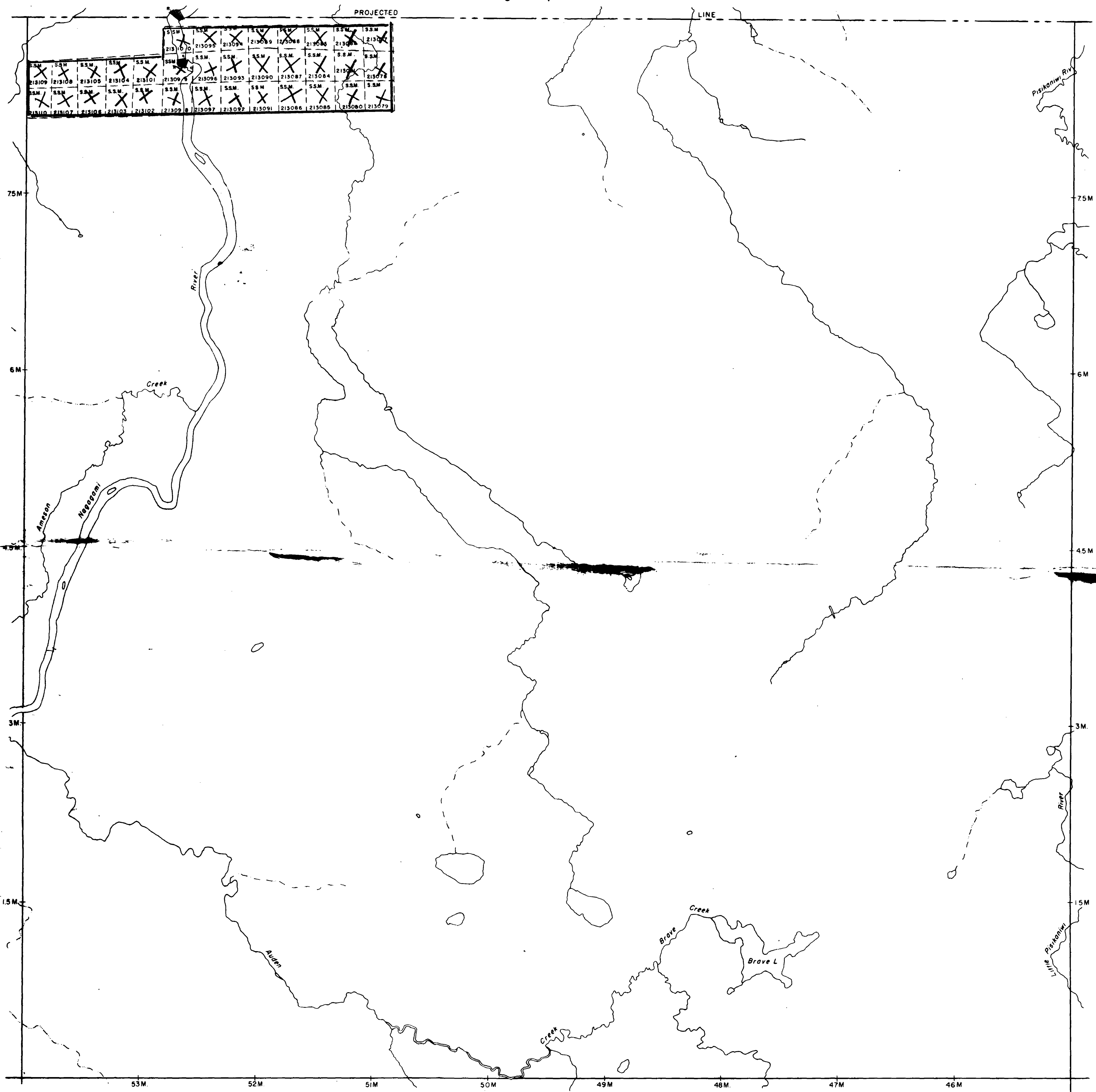
Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

| | | | | | | | | |
|------------------------------------|------------------------------------|------------------|---------------------------------|--------------------|-----------------------|------------------------------------------------------------|--------------------------------------------|---------------|
| DRILLING ANY | Lake Superior Diamond Drilling Co. | COLLAR ELEVATION | BEARING OF HOLE FROM TRUE NORTH | TOTAL FOOTAGE | DIP OF HOLE AT COLLAR | LOCATION OF HOLE IN RELATION TO A FIXED POINT ON THE CLAIM | MAP REFERENCE NO. | CLAIM NO. |
| DATE HOLE STARTED | Mar 16/71 | DATE COMPLETED | DATE LOGGED | LOGGED BY | LOGGED BY (Signature) | LOGGED BY (Signature) | LOCATION (Tp., Lot, Con. OR Lot, and Long) | PROPERTY NAME |
| EXPLORATION CO., OWNER OR OPTIONEE | North D'Arcy Explorations Ltd. | Mar 21/71 | Mar 21/71 | Hugh H. Sutherland | Hugh H. Sutherland | Good | 213059 | Ardena Tail |

| FOOTAGE FROM | TO | ROCK TYPE | DESCRIPTION <small>Color, grain size, texture, minerals, alteration, etc.</small> | PLANAR FEATURE ANGLE | CORE SPECIMEN FOOTAGE + | YOUR SAMPLE NUMBER | SAMPLE FOOTAGE FROM | TO | SAMPLE LENGTH | ASSAYS + |
|--------------|-----|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------|--------------------|---------------------|----|---------------|----------|
| 0 | 35 | Casing. | | | | | | | | |
| 35 | 56 | Banded. | Granites and quartzites - pale green. | | | | | | | |
| 56 | 87 | Banded pegmatite? | High granitic with quartz, chlorite, greenstone, feldspar, 2% mineral pyrite, epidote - unusual material. | | | | | | | |
| 87 | 90 | Highly granitic. | Red feldspar and iron. | | | | | | | |
| 90 | 100 | Greenstone. | With granitic pebbles or seams. | | | | | | | |
| 100 | 142 | | Bedded at 45. High feldspar, granitic pebbles and seams; seams of chlorite, quartz, 1% pyrite | | | | | | | |
| 142 | 170 | | Becomes conglomerate with granite in a dense, hard, greenstone matrix with chlorite seams. Becomes very much more granitic at 155 - may be an altered zone. | | | | | | | |
| 170 | 210 | Banded. | Granite and greenstone. | | | | | | | |
| 210 | 210 | End hole. | | | | | | | | |

* For features such as foliation, bedding, schistosity, measured from the long axis of the core.
+ Additional credit available. See Assessment Work Regulations.

Three Portage Rapids Area - M.2925



THE TOWNSHIP OF
Claim Map
AUDEN
 DISTRICT OF COCHRANE
 PORCUPINE MINING DIVISION
 SCALE: 1-INCH = 40 CHAINS

LEGEND

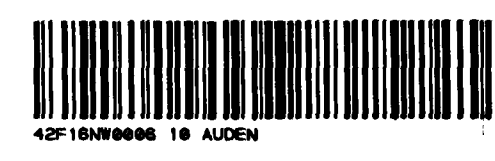
| | |
|-----------------------|--------|
| PATENTED LAND | Ⓟ |
| CROWN LAND SALE | C.S. |
| LEASES | Ⓛ |
| LOCATED LAND | Loc. |
| LICENSE OF OCCUPATION | L.O. |
| MINING RIGHTS ONLY | M.R.O. |
| SURFACE RIGHTS ONLY | S.R.O. |
| ROADS | — |
| IMPROVED ROADS | — |
| KING'S HIGHWAYS | — |
| RAILWAYS | — |
| POWER LINES | — |
| MARSH OR MUSKEG | — |
| MINES | ✕ |
| CANCELLED | C. |

NOTES
 400' Surface Rights Reservation around all lakes and rivers.

DATE OF ISSUE
 JUL 13 1971
 ONT. DEPT. OF MINES AND NORTHERN AFFAIRS

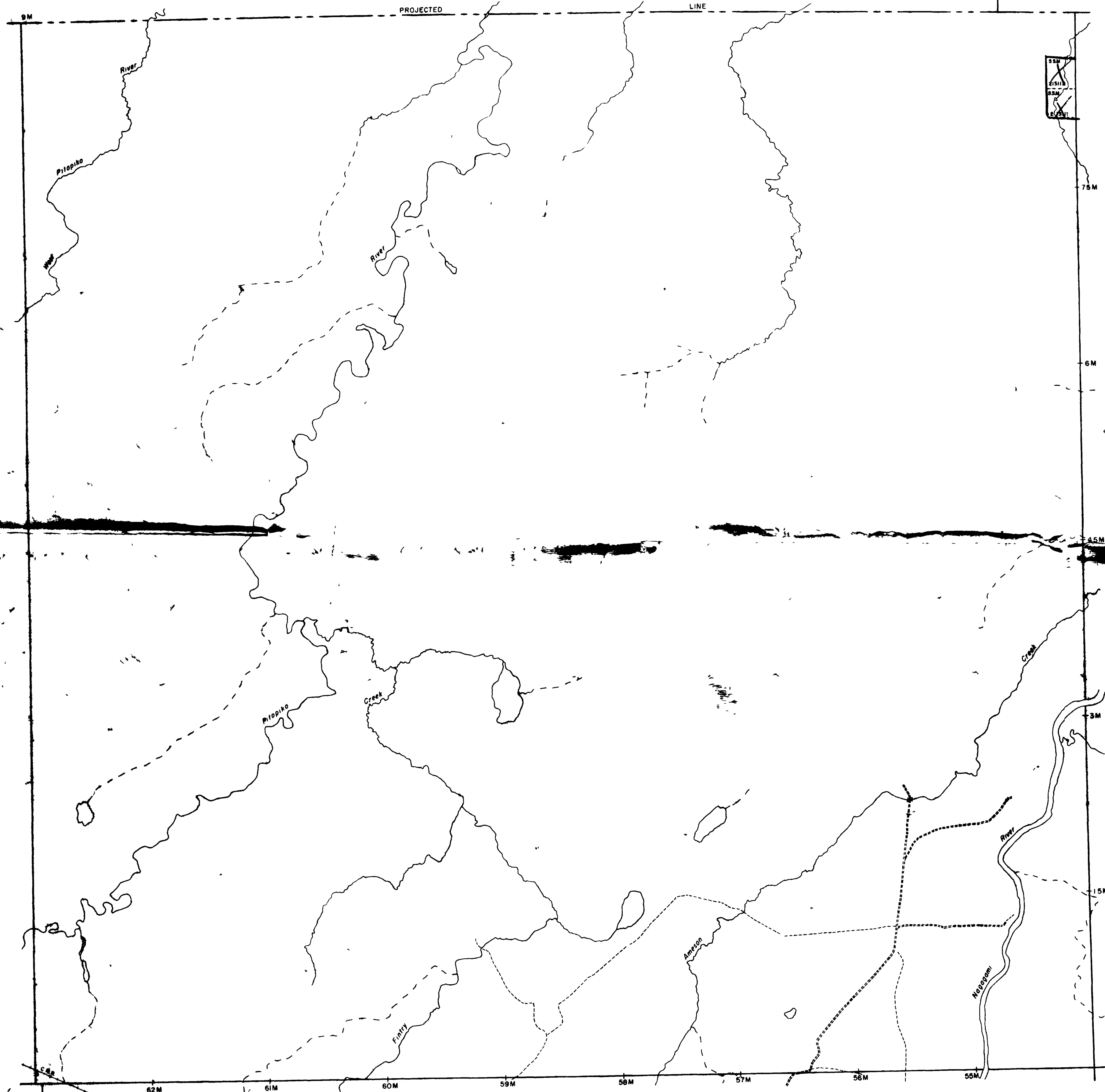
PLAN NO.- **M.1139**

ONTARIO DEPARTMENT OF MINES AND NORTHERN AFFAIRS



West Pitopiko River Area - M 2927

- M.2925 -



THE TOWNSHIP
OF
Claim Map
FINTRY

DISTRICT OF
COCHRANE

PORCUPINE
MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

LEGEND

| | |
|-----------------------|---|
| PATENTED LAND | ⊙ |
| CROWN LAND SALE | ⊙ |
| LEASES | ⊙ |
| LEASED LAND | ⊙ |
| LICENSE OF OCCUPATION | ⊙ |
| MINING RIGHTS ONLY | ⊙ |
| SURFACE RIGHTS ONLY | ⊙ |
| ROADS | — |
| IMPROVED ROADS | — |
| KING'S HIGHWAYS | — |
| RAILWAYS | — |
| POWER LINES | — |
| MARSH OR MUSKIE | — |
| MINES | ⊙ |
| CANCELLED | ⊙ |

NOTES

400' Surface Rights Reservation around
all lakes and rivers

DATE OF ISSUE
JUL 1, 1971
DEPT. OF MINES
AND TECHNICAL AFFAIRS

2299

PLAN NO - **M.1251**

ONTARIO
DEPARTMENT OF MINES
AND NORTHERN AFFAIRS

McMillan Twp - M 1313



