



411165W0006 0013A1 CLEMENT

010

Diamond Drilling

Township of CLEMENT

Report NO: 15

Work performed by: D. CARSON

Claim NO	Hole NO	Footage	Date	Note
T 36499	1	475'	May/56	
T 36497	3	185'	June/56	

Total DH 2 660'

Notes:

PROPERTY Manitou LakeD. D. H. NO. 1Lat. 1200 NDIP- -45°Elev. Base of hill START May 22/56Dep. 1320EBearing S 30° WDepth 475' End May 31/56

FOOT	GRADE	CORE	ROCK	MINERALIZATION	NO.	LENGTH	%CU	REMARKS
0 - 17						17'		Overburden
17 - 25.7	8.7'		Fels.parph.	None		8.7'		Siliceous
25.7-33.4	0'					7.7'		Few fragments & sludge indicate (?) magnetite.
33.4-45	4.0'		Fels.parph & scarn	None		11.6'		cavities, mush (?) epidote, last 4' lost
45-47.6	2.6'		Magnetic	99% magn. some sulfide stringers		2.6'		
47.6-60	9.1'		Scarn	Little pyrite		12.4'		
60 - 61	1'		epidote	little		1'		little pyrite in fractures, epidote impu
61 - 74.8	13.8		limestone & epidote	60% magn.pyrite & sulfides		13.8'		seams 45° mineralization in where epidote little mineralization - 68.3-69 (epidote zone Good mineralization 69-76.5 and 6" widths every 6" from 61-69
74.8-77.6	2.8		serpentine	None		2.8'		
77.6-113	35.4		limestone	some pyrite & magn.		35.4		pyrite & magn. scattered
113-123.2	10.2		limestone	70% pyr. & magn.		10.2		most pyrite at start " magn. at end
123.2-135.5	12.3		limestone & epidote	30% mostly magnetite		12.3		min. concentrated in limestone
135.5-141	5.5		limestone & epidote & fine gr. diabase	138-140 much magn. pyrite sparse		5.5		seams 45°
141-142.5	1.5		diabase	none		1.5		fine grained.
142.5-145.5	0					3'		lost
145.5-475	313.5		diabase	none		329.5		coarse gr. by 167 limestone

Actual core recovery 88.5%
(420.4 recovered in 454 (?))

**DUPLICATE COPY
POOR QUALITY ORIGINAL
TO FOLLOW**

PROPERTY

Manitou Lake

Sheet No. 1

Clement township
D. D. H. No. 1

1200N

Dip - 45° SW

Elev. Base of hill

Start May 22, 9

1200E

Bearing S 10° W

Depth 475'

End " 31

Top	Grade	Core Rec'y	Rock	Mineralisation	No.	Length	% Cu	Remarks
0-17						17'		overburden
17-25.7		8.7'	fels. porph	none		8.7'		siliceous
25.7-28.4		0'				7.7'		few fragments of siliceous material
28.4-45		4.0'	fels. porph & scarn	none		11.6'		Carthage, small epidote but not test.
45-47.6		2.6'	magnetite	71% mag. some sulfide stringers		2.6'		
47.6-60		9.1'	scarn	little pyrite		12.4'		
60-61		1'	epidote	little		1'		little pyrite in fractures
61-74.8		13.8'	(limestone) & 60% epidote	mag. pyrite & stringers		13.8'		some 45° mineralization in place where epidote little mineralization - 68.2-69 (mostly mag.) good mineralization 69-74.5, and 6" width assay 2" frame 61-69.
<div style="border: 1px solid black; padding: 5px;"> <p>ASSESSMENT WORK</p> <p>Road from Mining Recorder</p> <p>Harleybury</p> <p>Date July 27/26</p> <p>Resident Geologist</p> </div>								
74.8-77.6		2.8'	serpentine	43% S		2.8'		
77.6-118		25.4'	limestone	some pyrite & mag.		25.4'		pyrite & mag. scattered
118-121.2		10.2'	limestone	≈ 70% pyrite & mag.		10.2'		most pyrite at start all mag. at end.
121.2-135.5		12.3'	limestone & epidote	≈ 10% mostly magnetite		12.3'		min. concentrated in limestone
135.5-141		5.5'	limestone epidote & some gr. diase	138-142 much mag. pyrite sparse		5.5'		stems 25°
141-142.5		1.5'	diase	none		1.5'		fine grained.
142.5-145.5		0'				2'		lost
145.5-475		113.5'	diase	none		113.5'		Sample by 167 limestone (white), quartz & epidote stringers common 26-300 at 25° to axis mostly epidote in stems 340-475 dark fine grained 410-475
<p>Actual core recovery 88.5% (420.4 recovered in 475)</p> <p style="text-align: center;">D. Cannon</p>								

Test taken - at 475' dip was 41.5°

PROPERTY Manitou Lake

D. D. H. NO. 3 36497

Lat. 1600N DIP- -60°S Elev. Base of hill START June 5

Dep. OE Bearing South Depth 175' End June 7

FOOT	GRADE CORE	ROCK	MINERALIZATION	NO.	LENGTH	%CU	REMARKS
0 - 25					25'		Overburden
25 - 27	2'	limestone	Much magnetite		2'		May be boulder
27 - 28	1'	greenstone	none		1'		
28 - 185	143'	diabase	none		147'		fine grained to med. coarse by 40' hematite in seams 85-100 calcite & some epidote stringers 90-175 most seams 30-45° to axis.

Actual core recovery 146' in 150' (97.3%)

No test taken.

D. Carson

**JUPPLICATE COPY
POOR QUALITY ORIGINAL
TO FOLLOW**

PROPERTY Manitou Lake

Sheet No. 1

D. D. H. No. 3

36497

Lat. 1600 N

Dip -60° S

Elev. base of hill.

Start June 3

Dep. DE

Bearing South

Depth 175'

End June 17

Foot	Grade	Core Rec'y	Rock	Mineralization	No.	Length	% Cu	Remarks
0-25	-	-	-	-	-	25'	-	overburden
25-27	2'		limestone	much magnetite	-	2'	-	may be boulder
27-28	1'		greenstone	none	-	1'	-	
28-185	143'		diabase	none	-	147'	-	fine grained to med coarse by 40 hematite in seams 85-100 some calcite epidote stringers 90-125 must seams 30-45° to axis
<p>actual core recovery 146' in 150' (97.3%) No test taken</p> <p style="text-align: right;">D. Cannon</p>								

TIMISKAMING MINING DIVISION

Number

Name

Manitou Lake Property / Noranda Mines Ltd.

Location

Clement Township and Macbeth Twp.

Clement (8) T-36495 Macbeth (2) S-86578
T-36496 S-86579
T-36497
T-36498
T-36499
T-36500
T-36501
T-36502

Ownership

Noranda Mines Ltd.

Principal Metals
present
Development

Iron, Copper

Test pits and trenches; electromagnetic and magnetic survey; geological mapping; diamond drilling by early developers, 2 holes by Noranda in 1956.

Geology

Massive sulphide and magnetite lenses in Huronian sediments, show (?), grit, limestone, some feldspar porphyry on prominent hill covering about 30 acres. Mineralization consists of magnetite, pyrite, pyrrhotite, minor chalcopyrite. Zone is cut off at base of hill by flat lying Nipissing diabase dyke at least 350 feet thick.

Production

(Production figures, if any, will be supplied by the Ontario Department of Mines Statistician)

Ore Reserves or
Dimensions and
Grade of Bodies

No copper ore documents in trenches or drill holes. Magnetite zone is 1300 feet long with lenses up to 20 feet wide.

Selected References

Remarks

Zone below diabase dyke not reached by drill holes.

Sd/- R. Warburton (?)

Please return to : Resident Geologist
Ontario Department of Mines
Box 48
Swastika, Ontario

**DUPLICATE COPY
POOR QUALITY ORIGINAL
TO FOLLOW**

TIMISKAMING MINING DIVISION

NAME

Manitou Lake property

LOCATION

Clement township and MacBeth twp.
Clement (8) T 36495 T 36499 MacBeth (2) 586678
T 36496 T 36500 586579
T 36497 T 36501
T 36498 T 36502

OWNERSHIP

Noranda Mines Ltd.

PRINCIPAL METALS PURSUIT

Iron, copper.

DEVELOPMENT

Test pits and trenches; electromagnetic and magnetic survey; geological mapping; diamond drilling by early developer; and 2 holes by Noranda in 1936.

GEOLOGY

^{Prove} Sulphide and magnetite lenses in Huronian sediments, shales, grit limestones, some feldspar porphyry on prominent hill caving about 20 acres. Mineralization consists of magnetite, pyrite, pyrrhotite, minor chalcopyrite. Zone is cut off at base of hill by flat-lying Mississippian diabase dyke at least 350 feet thick.
(Production figures, if any, will be supplied by the Ontario Department of Mines Statistician)

PRODUCTION

ORE RESERVES OR DISPOSITION
AND GRADE OF MINES

No copper ore encountered in trenches or drill holes. Magnetite zone is 1300 feet long with lenses up to 20 feet wide.

SELECTED REFERENCES

REMARKS

Zone not reached by drill holes below diabase dyke.
Zone below diabase dyke not reached by drill holes.

(Signed) *P.W. Colverson*

Please return to:

Resident Geologist,
Ontario Department of Mines,
Box 48,
Swastika, Ontario.

NAME

NAME

LOCATION

Nursey township

*No information available
R.S.W.*

ADDRESS

PRINCIPAL METALS PRESENT

DEVELOPMENT

GEOLOGY

(Production figures, if any, will be supplied by
the Ontario Department of Mines Statistician)

PRODUCTION

ONE RESERVES OR DIMENSIONS
AND GRADE OF DEPOSIT

SELECTED REFERENCES

REMARKS

(Signed).....

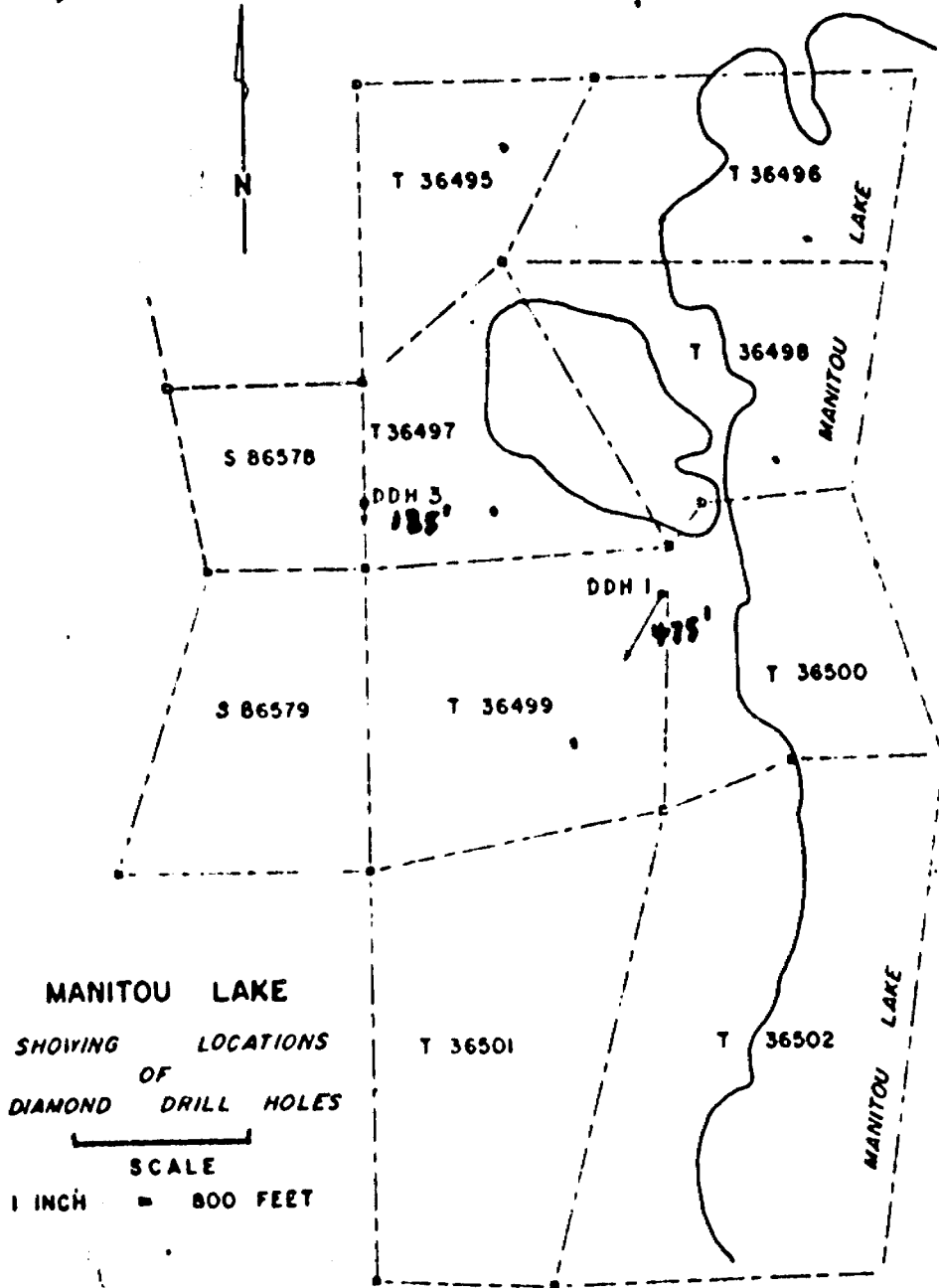
Please return to:

Resident Geologist,
Ontario Department of Mines,
Box 48,
Sudbika, Ontario.

H. Sarge

Mason →

CLEMENT TWP

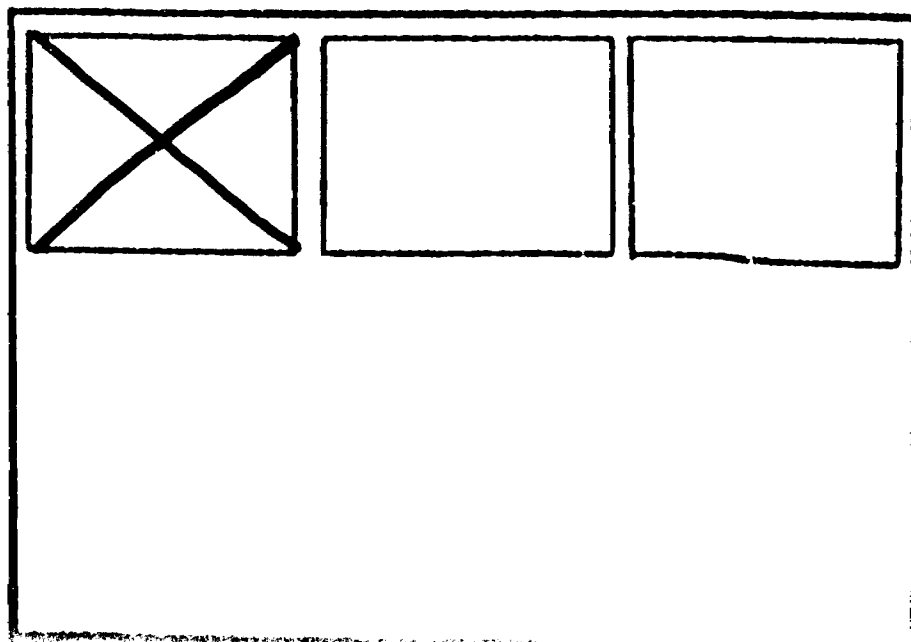


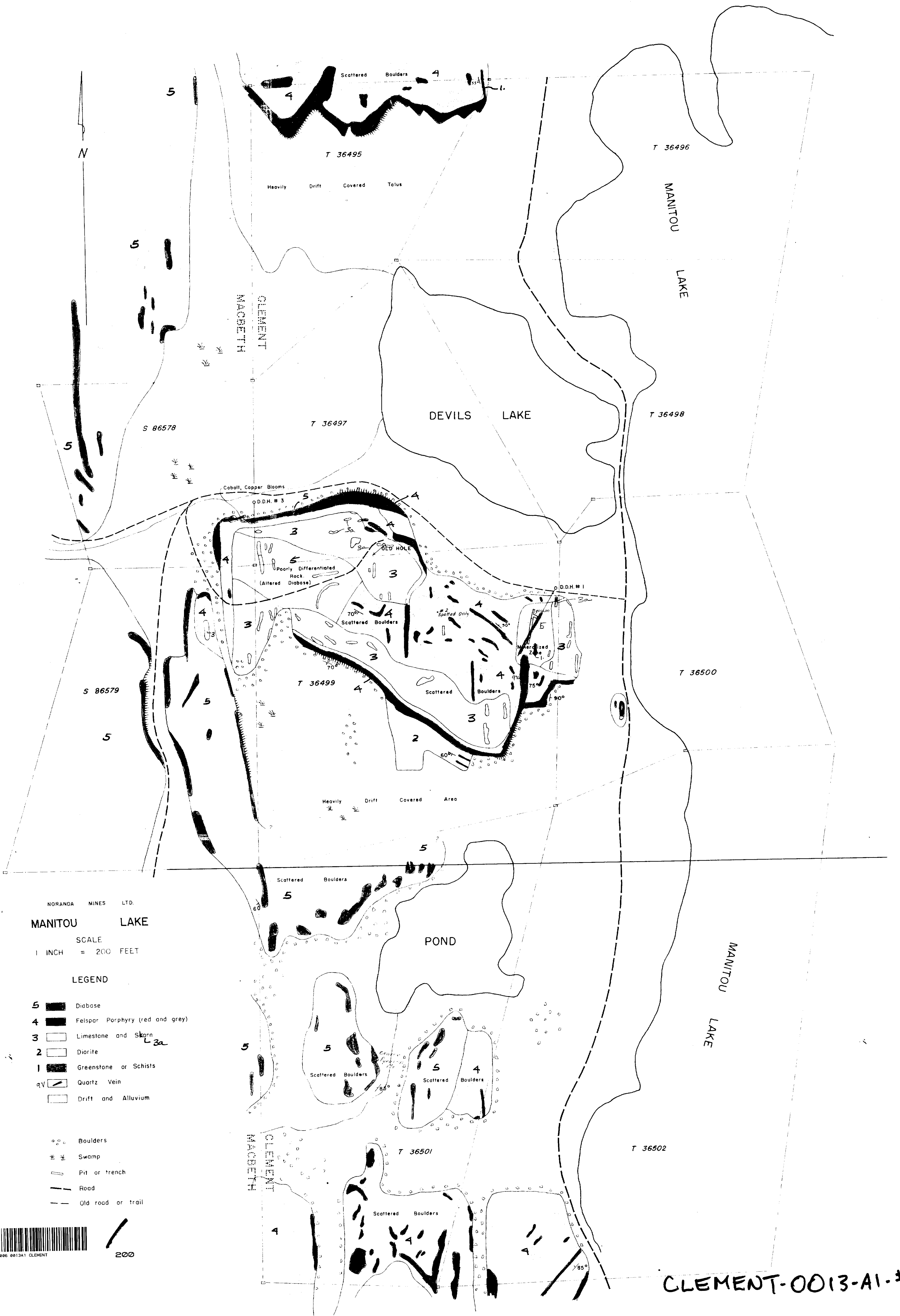
MANITOU LAKE
SHOWING LOCATIONS
OF
DIAMOND DRILL HOLES
SCALE
1 INCH = 800 FEET

SEE ACCOMPANYING
MAP(S) IDENTIFIED AS

CLEMENT.0013.F1

LOCATED IN THE MAP
CHANNEL IN THE FOLLOWING
SEQUENCE (X)





NORANDA MINES LTD.
MANITOU LAKE

SCALE
 1 INCH = 200 FEET

LEGEND

- 5 Diabase
- 4 Felspar Porphyry (red and grey)
- 3 Limestone and Skarn
- 2 Diorite
- 1 Greenstone or Schists
- QV Quartz Vein
- Drift and Alluvium

- Boulders
- ≡ Swamp
- ▭ Pit or trench
- Road
- - - Old road or trail



200

CLEMENT-0013-A1-#1