

DIAMOND DRILLING

TOWNSHIP: DRAYTON TWP.

REPORT NO: 31

WORK PERFORMED FOR: Norlode Resources Inc.

RECORDED HOLDER: Same as Above [xx] : Other []

<u>Claim No.</u>	Hole No.	Footage	<u>Date</u>	Note
816871	88-1 88-2 88-3 88-4 88-5	171' 280' 153' 148' 134'	Sept/88 Sept/88 Sept/88 Sept/88 Sept/88	(1)(2) (1)(2) (1)(2) (1)(2) (1)(2)
816870	88-6	161'	Sept/88	(1)(2)
816871	88-7	247'	Oct/88	(1)(2)

Notes: (1) #W8803.237, filed in Feb/89 (2) comparable to errop submission on 883 (-117) date (110d June/91

Diamond drill log NORLODE RESOURCES INC.

PROPERTY : Northeast Bay HOLE NO. 88-1 LOCATION : Island FP 61, Minnitaki L.,

: 40° DIP Drayton Twsp., District of

: N 500 M BEARING

Kenora, Ontario. NTS: 52 J/4, Sioux Lookout, 846428 LENGTH : 171 ft. STARTED : Sept 6, 1988

: Pa 816871 CLAIM NO.

COMPLETED: Sept 7, 1988 : 3+92' S 950' N & 65'E of LATITUDE LOGGED BY : H. Dowhaluk

#3 P of 816871 DEPARTURE : 23+84'W

DRILLED BY: Ferguson Mining Services : G-15 Winky/ MACHINE: CORE SIZE : IAX. 1-3/8"

:OVERBURDEN. Casing. 0 - 9.0

:FELDSPAR PORPHYRY. Med gray. White plagioclase 9.0 - 20.0phenocrysts (25%) in a dark, f-grd groundmass of altered material containing hornblende, chlorite and feldspar. Phenos up to 5 mm, subhedral, tendto rectangular forms. Occasional qtz veinlets up to 号".

:GREENSTONE, POPRPHYRY. Altered zone. Some porphyry 20.0 - 22.1 texture present in most of section, but a 1-inch seam runs more or less parallel to core which contains a ½" qtz veinlet associated with large lenses of cpy-py. A white egg-shaped patch of of qtz diorite over 2" long may be a clast.

22.1 - 29.5 :GREENSTONE. Dk green, massive, f-grd. Contains some porphyry in spots.

:FELDSPAR PORPHYRY. Contains some breccia fragments. 29.5 - 36.0

36.0 - 104.0 : GREENSTONE. Dk gray-green, f-grd, massive, andesitic. Fragments of porphyry, some rounded, in the greenstone. Considerable carbonate present as impregnation of greenstone, also lines (qtz-carb). 56.5-57.1: 4" mass of qtz blebs, lenses. Minor py,

65.1-65.6: Irregular streak of cpy @40°. 81.5-82.3: Qtz diorite.

Scattered nests of cpy to about 66 ft. Black tourmaline crystals up to 12" long at contact with next. Tourmaline also occurs in the cpy nests.

104.0 - 128.5: DIORITE. Med to dk gray. Crse-med grd. Equigranular texture. Hornblende and plag. Grades into next.

128.5 - 171.0: GREENSTONE. As before. 5-10% qtz-carb lines, streaks @35 . Abundant carbonate content from declar survey

END OF HOLE - 171 ft.



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NORLODE RESOURCES INC

PROPERTY : Northeast Bay HOLE NO. 60⁰ : Island FP 61, Minnitaki L., LOCATION DIP

Drayton Twsp., District of

: N 50₀ W BEARING Kenora, Ontario. NTS: 52 J/4, Sioux Lookout, LENGTH : 280 ft. : Sept. 8/88 STARTED

846428

CLAIM NO.: Pa 816871

COMPLETED: Sept. 14/88 LOGGED BY : H. Downsluk 947' N & 67' E of LATITUDE : 3+94 S MACHINE : G-15 Winky CORE SIZE : IAX, 1-3/8" DEPARTURE: 23+83 W #3 P of 816371 DRILLED BY: Ferguson Mining Services

: OVERBURDEN. Casing. 0 - 10.1

10.1 - 43.4 : GREENSTONE. Dk bluish-greenish gray, massive. f-grd to dense. Carbonatized.

10.5 - 14.3: (3.8 ft) Cpy, py in small streaks, or small aggregates generally w otz-carbonate in small fractures. Frequent fine tourmaline. Feldspar porphyry patches less than a foot.

43.4 - 47.0:FELDSPAR PORPHYRY. White phenocrysts of feldspar in greenstone matrix. Grades into next.

47.0 - 87.0 : GREENSTONE. Porphyritic greenstone (10% phenos) from 49.6 to 53. Faint foliation @30 76.8: 1" mass of po & cpy. Cpy streaks @ 35.0. Grades into next.

87.0 - 90.7 : FELDSPAR PORPHYRY. Very coarse-grd. Rectangular. subhedral white plag crystals up to 3" long in greenstone groundmass. Grades into next.

90.7 - 132.0: GREENSTONE. Between 114 and 119 ft., 5% qtz-carb streaks and lenses @ 30° to 15°. Very gradational into next w small sections of felds porph fot the last 3 feet.

132.0 - 138.3: FELDSPAR PORPHYRY. Distinct, or more often, indistinct sections of porphyry w small sections of greenstone up 4 or 5 inches.

138.3 - 139.8: GREENSTONE.

139.8 - 147.5: FELDSPAR PORPHYRY.

147.5 - 148.9: GREENSTONE. Some porphyry.

148.9 - 150.8: FELDSPAR PORPHYRY. Contact w next @ 80°.

150.8 - 154.0: GREENSTONE.

154.0 - 156.7: FELDSPAR PORPHYRY.

156.7 - 176.0: GREENSTONE. Contains small sections and patches of feldspar porphyry, waxing and waning.

176.0 - 186.8: FELDSPAR PORPHYRY. Greenstone matrix w white feldspar phenos. Grading into next.

186.8 - 138.5: GREENSTONE. At 186.8, 2 flat plates of native copper? about 2 mm in size. Soft, sectile. Coppery colour, but very golden yellow in some lights when first observed, gradually becoming more coppery.

continued

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NORLODE RESOURCES INC.

DDH: 88-2

188.5 - 207.0: PORPHYRITIC GREENSTONE. Greenstone w scattered large phenos of feldspar up to 1" long. Contact with above at 35°.

207.0 - 238.0: DIORITE. Med gray, med-grd, massive, compact, sugary texture.

238.0 - 280.0: FELDSPAR PORPHYRY. Amount of phenocrysts variable.

276.5-278.3: over 50% phenos. @245, 2" qtz; @276, 2" qtz diorite dikelet.

END OF HOLE - 280 ft

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NORLODE RESOURCES INC.

	NORLODE RESOURCES INC		
LOCATION :	Northeast Bay Island FP 61, Minnitaki L., Drayton Twsp., District of Kenora, Ontario. NTS: 52 J/4, Sioux Lookout, 846428 Pa 816371 HULE NU.: 88-3 HULE NU.: 88-3 HULE NU.: 88-3 ENGTH STARTED SEPT. 14/88 COMPLETED: Sept. 14/88		
LATITUDE : DEPARTURE :	3+92 S 950' N & 62'E of LOGGED BY: H. Downaluk MACHINE: G-15 Winky CORE: IAX, 1-3/8"		
	× * * * * * * * * * * * * * * * * * * *		
0 - 9.0	: OVERBURDEN. Casing.		
9.0 - 10.5	: GREENSTONE. Greenish gray. Massive.		
10.5 - 13.7	FELDSPAR PORPHYRY. Greenstone matrix w small (2-3 mm) white feldspar phenocrysts. Few qtz veinlets up to ½".		
13.7 - 45.5	: GREENSTONE. Greenish-bluish gray. Some flow breccia. Occasional qtz stringers 1/8 - ½" mostly at 45°. Grades into next. Up to 3% fine sulphides in places, i.e., 17 - 18 ft.		
45.5 - 65.0	: FELDSPAR PORPHYRY. Small phenocrysts up to 50.5, then larger, more prominent phenos.		
65.0 - 76.0 76.0 - 79.0	: GREENSTONE. Poorly defined patches of feldspar porphyry. Scattered zones of heavy sulphides up to 20% cpy, py, po. Best section from 75.4 to 75.8 w 50% cpy, py. Fine, black tourmaline needles associated w cpy nests. : FELDSPAR PORPHYRY.		
79.0 - 82.0	: GREENSTONE.		
82.0 - 89.2	: FELDSPAR PORPHYRY.		
89.2 - 95.6	: GREENSTONE. 1" lens of cpy-py at 90.0 ft. 2" bleb of cpy-py at 95.6.		
95.6 - 97.6	: FELDSPAR PORPHYRY. Graphite on slip at 95.6.		
97.6 - 112.7	: GREENSTONE. Abundant inclusions of feldsper porphyry; some appear to be clasts. Streaks and zones of sulphides (cpy, py) and tourmaline needles at 97.7, 100.0, 101.1, 101.7 - 102.3, 103.6, 104.1, 104.8, 106.5, 108.3-109.7, 112.2, 112.7.		
112.7 - 115.	O: FELDSPAR PORPHYRY.		
115.0 - 119.	O: GREENSTONE. With scattered patches of feldspar porph. Sulphides at 118.9.		
	8: FELDSPAR PORPHYRY. Small but abundant wh feldspar phenocrysts.		
	O: GREENSTONE.		
126.0 - 132.	O: FELDSPAR PORPHYRY.		

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Norlode Resources Inc DDH: 88-3

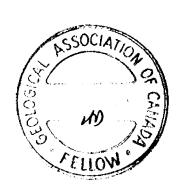
132.0 - 135.0 : GREENSTONE. Dk green-gray. Massive. Contact with above at 35°.

135.0 - 147.0 : DIORITE. Green-gray. Med-grd. Equiangular, massive.

147.0 - 150.7 : <u>GREENSTONE</u>. Massive.

150.7 - 153.0 : FELDSPAR PORPHYRY.

END OF HOLE - 153 ft.



Diamond drill log

NORLODE RESOURCES INC

PROPERTY : Northeast Bay HOLE NO. : 88-4 LOCATION : Island FP 61, Minnitaki L., : 45° DIP Drayton Twsp., District of Kenora, Ontario. NTS: 52 J/4, 'Sioux Lookout' : S 50° E BEARING LENGTH : 148 ft. 346428 : Sept. 18/88 STARTED CLAIM NO. : Pa 816871 COMPLETED : Sept. 21/88 942'N & 58'E of LATITUDE : 4+00 S LOGGED BY : H. Dowhaluk DEPARTURE: 3+38 W #3 P of 316871 DRILLED By: Ferguson Mining Services : G-15 Winkie : IAX, 1-3/8" MACHINE CORE SIZE : OVERBURDEN. Casing. 0 - 9.09.0 - 17.7: GREENSTONE. Dk gray-green. F-grd, massive. Grades into next. Contains a 3" syenite dikelet, pink. : FELDSPAR PORPHYRY. Abundant 1 white plag phenos 17.7 - 22.5in greenstone groundmass. Grades into next. 22.5 - 40.0: DIORITE. Med-gray, f-grd, equigranular. 40.0 - 78.0 48.7-49.5, 50.8-55.0: Pink felsite dikelet in part of, and parallel, to core. 78.0 - 80.0 : GREENSTONE. Massive. Some otz blebs, lenses. 1-2% py.

30.0 - 97.5 : DIORITE. Med green-gray. Variable texture from med-grd to crse-grd, slightly porphyritic in places. Few ½" syenite dikelets up to 1".

97.5 - 116.3: DIORITE. Med-lt gray, med-crse-grd, uniformly grained.

116.3 - 119.3: FEEDSPAR PORPHYRY. 15% phenos, indistinct, in greenstone groundmass.

119.3 - 121.0: GREENSTONE. Massive.

121.0 - 148.0: DIORITE. Lt-coloured, over 60% plag, rest mostly hornblende. Crse-grd, uniformly-grd.

END OF HOLE - 148 ft

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Diamond drill log

NORLODE RESOURCES INC

: Northeast Bay

PROPERTY

LOCATION :	Island FP 61, Minnitaki L., Drayton Twsp., District of	DIP	: 45°
	Kenora, Ontario.	BEARING	: S 50°E
	NTS: 52 J/4, 'Sioux Lookout'.	LENGTH	: 134 ft.
OT A TRE	846428	STARTED	: Sept.23/88
	Pa 816871		: Sept.25/88
LATITUDE : DEPARTURE :	4+46 S 896. N and 39.W of 24+88 W #3 P of 816871		: H. Dowhaluk
	Ferguson Mining Services	MACHINE	
DICTIMUD DI .		CORE SIZE	: IAX, $1-3/8$ "
	* * * * * *		
0 - 5.0	: OVERBURDEN. Casing.		
5.0 - 23.0	* GREENSTONE. Med greenish gr w next @ 60°.	ay, messive	e. Contact
23.0 - 36.8	: FELDSPAR PORPHYRY. Greenish white elldspar phenocryst	gray w smal s ,(30%).	ll ((1-2 mm)
36.8 - 40.8	: GREENSTONE. Few patches of f qtz-carb lenses towards e	elds porph. nd @ 45°.	. Three ½"
40.8 - 53.8	: FELDSPAR PORPHYRY. Abundant	phenos up t	to 4 mm.
53.8 - 54.6	.3 - 54.6 : QUARTZ VEIN. Wh, glassy qtz @ 65°.		
54.6 - 67.5	: DIORITE. Med gray, med-grd.		

67.5 - 78.2 : GREENSTONE. Dk green-gray. Massive. Occasional qtz-carb veining, $\frac{1}{2}$ ".

59.4-59.6: Wh qtz (3"). 63.5 - 63.9: Qtz @ 45

78.2 - 93.0 : DIORITE. Med-grd. Med to dk gray (darker towards ends Grades imperceptably into next.

3/4" qtz @ 65.5; $1\frac{1}{2}$ " qtz @ 66.0 @ 45°.

- 93.0 95.8 : GREENSTONE. Dk green-gray, f-grd to dense, massive.

 Schistose towards next.
- 95.8 97.6 : FELDSPAR PORPHYRY...
- 97.6 98.5 : GREENSTONE. Gradational boundaries.
- 98.5 99.7 : FELDSPAR PORPHYRY.
- 99.7 134.0 : GREENSTONE. Greenish gray, massive, f-grd to dense.

END OF HOLE - 134 ft.

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Hole No. : 88-5

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NORLODE RESOURCES INC

PROPERTY :	Northeast Bay	HOLE NO.	: 88 <u>-</u> 6
LOCATION:	Island FP 61, Minnitaki L.,	DIP	: 45°
	Drayton Twsp., District of	BEARING	: N 50° W
	Kenora, Ontario.	LENGTH	: 161 ft.
	NTS: 52 J/4, 'Sioux Lookout'	STARTED	: Sept. 26/88
	846428	COMPLETED	: Sept. 28/88
CLAIM :	Pa 816870	LOGGED BY	: H. Dowhaluk
	4+50 S 896' N & 39'W of	MACHINE	: G-15 Winkie
DEPARTURE:	24+84 W #2 P of 816870	CORE SIZE	: IAX, 1-3/8"
DRILLED BY:	Ferguson Mining Services		, -,

- 0 4.5 : OVERBURDEN. Casing.
- 4.5 9.0 : GREENSTONE. Med green-gray. F-grd.
- 9.0 17.5 : SAND SEAM. Casing.
- 17.5 39.3 : GREENSTONE. As above.
- 39.3 49.3 : FELDSPAR PORPHYRY. 25% white feldspar phenocrysts in greenstone matrix.
- 49.3 51.0 : GREENSTONE.
- 51.0 52.3 : FELDSPAR PORPHYRY.
- 52.3 61.0 : DIORITE. Med gray, med-grd, anhedral texture.

 Grades into next imperceptably.
- 61.0 71.7 : GREENSTONE. As above. Some cleavage at 45°.
- 71.7 113.2: FELDSPAR PORPHYRY. Contains abundant qtz as elongated or rounded blebs, very short lenses. Qtz is often smoky (black). Minor py. Much of it contains greenstone (volcanic) in small sections suggesting that lava flowed between clasts of porphyry.
- 113.2 119.2: GREENSTONE. Reverse of above, mostly greenstone.

 w a few porphyry clasts, sections.
- 119.2 122.0: FELDSPAR PORPHYRY.
- 122.0 124.7: DIORITE. Whitish, lt-coloured, very crse-grd. Who plag and hornblende.
- 124.7 127.7: GREENSTONE. Some porphyry clasts up to 3". Grading into next.
- 127.7 131.0: FELDSPAR PORPHYRY. Grades into next.
- 131.0 139.0: GREENSTONE. Some porphyry vlasts and small sections.
- 139.0 142.3: FELDSPAR PORPHYRY.
- 142.3 151.5: GREENSTONE. Some porphyry clasts. Grades into next.

 Some cleavage at 30.
- 151.5 161.0: FELDSPAR PORPHYRY. Some small greenstone sections.

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END OF HOLE - 161 ft.



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NORLODE RESOURCES INC

PROPERTY : Northeast Bay HOLE NO. **:** 88-7 : Island FP 61, Minnitaki L., LOCATION : 45° DTP Drayton Twsp., District of BEARING Kenora, Ontario. NTS: 52 J/4, 'Sioux Lookout'

846428

CLAIM NO. : Pa 846428

LATITUDE : 3+92 S 950. N & 180 E of

DEPARTURE :22+70 W #3 P of 846428 DRILLED BY: Ferguson Mining Services

: N 50° W LENGTH : 247 ft.

STARTED : Sept. 30/88 COMPLETED: Oct. 6/88 LOGGED BY : H. Dowheluk

: G-15 Winkie MACHINE CORE SIZE: IAX, 1-3/8"

0 - 3.0 : OVERBURDEN. Casing.

3.0 - 19.0: QUARTZ DIORITE. Crse-grd. White plag (60%) w hornblende & chlorite (30%), up to 10% gtz. Persists as clasts beyond 19.0 ft. in the greenstone below.

19.0 - 44.0 : GREENSTONE. Breccia fragments of above gradually decreasing in abundance, some clasts are porphyritic. 37.2 - 39.0: Feldspar porphyry. 35.8 - 36.6: 1-2% by Contact w next @ 30.

44.0 - 46.3 : FELDSPAR PORPHYRY.

46.3 - 49.6 : GREENSTONE. Dk blue-green-gray. Massive, dense to f-grd.

49.6 - 85.0 : FELDSPAR PORPHYRY. 25% wh felds phenos of several sizes up to 3 mm.

85.0 - 88.0 : GREENSTONE. Abundant large clasts up to 5" in diameter (irregular shaped breccia in first two feet, then more sparsely some smaller pieces. 95.2 - 96.9: (1.7') Several nests of cpy. No qtz or apparent fractures.

90.3: Cpy, minor.

88.0 - 112.3: FELDSPAR PORPHYRY. Some of this material continues into next as vague patches. Grades into next.

112.3 - 130.0: GREENSTONE.

112.8 - 116.7: Frequent cpy.

127.5: Minor cpy.

129.0-130.0: Heavy cpy.

130.0 - 144.0: GREENSTONE. Dk green-gray. Contains a few scattered white feldspar phenocrysts, small & indistinct. Also black grains of hornblende (2 mm). Some acicular black hornblende in spots. Contact w next quite sharp at 45

144.0 - 146.8: FELDSPAR PORPHYRY. Large, conspicuous wh feldspar ONTARIO GEOLOGICAL SURVENI enocrysts. Grades into next.

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Norlode Resources Inc.

DDH: 88-7

146.8 - 158.8: GREENSTONE. As above w a few inconspicuous phenocrysts of white feldspar, also clasts of feldspar par porphyry. Small black grains of hornblende?.

Massive and dense flow after 149.5. Indistinct contact w next at about 45.

158.8 - 179.0: FELDSPAR PORPHYRY. Grades into next.

179.0 - 230.0: GREENSTONE. Small amounts of porphyritic material (sparse & indistinct).

133.7 - 184.9: Contains a few specks of silvery material (molybdenite?). Some bundles of black tourmaline needles.

230.0 - 247.0: FELDSPAR PORPHYRY. Somewhat lightly speckled w white feldspar phenocrysts.

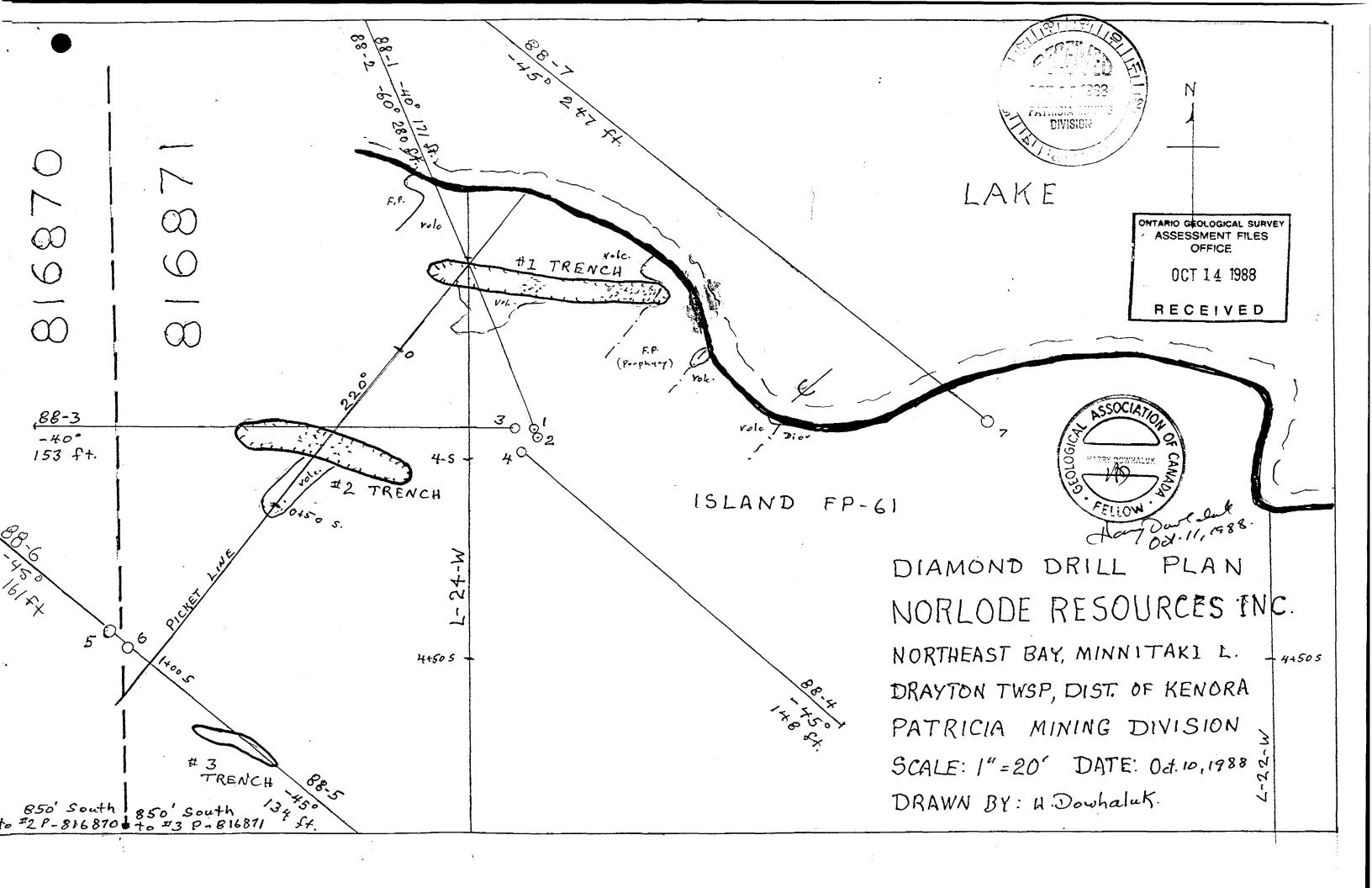
END OF HOLE - 247 ft.

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Work

Days Cr.

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below) Drilled by Ferguson Mining Services

Matachewan, Ont.

Pokimo

Drilling in Period: Diamond Drill Holes 88-1 -40° 171 ft. BB -2 280 88-3 -40" Sept. 6-Oct. 6, 1988 88 - 4 - 450 148 CORE SIZE: TAX, 13" 88 - 5 -45" 134 MACHINE: G-15 Winkie 88-6 161 -45 88-7 Total 1,294 DASSESSMENT EN ED OFFICE. OCT 14 1988

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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

BOX 118.

Date Certified

TAMWORTH, ONT. KOK3GO

Certified by (Signature)

816871

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

Land Survey

All the work was performed on Mining Claim(s):

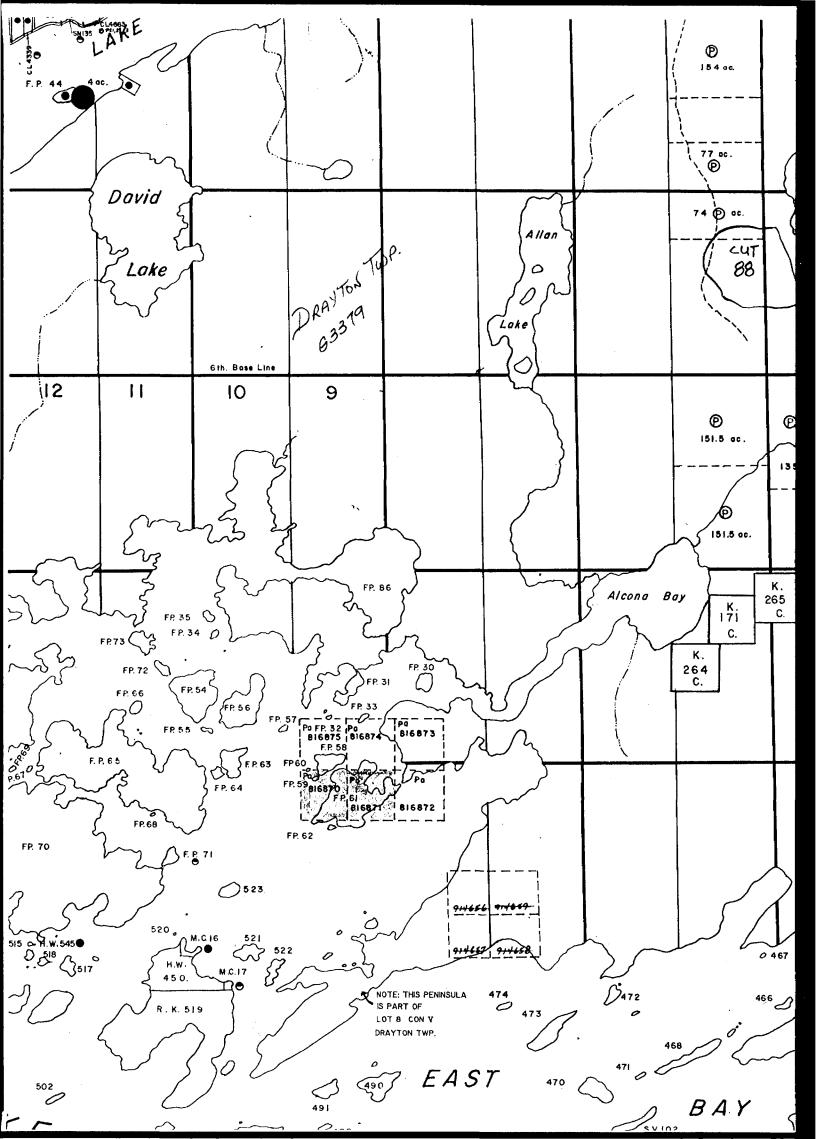
Certification Verifying Report of Work

Name and Postal Address of Person Certifying

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or witnessed same during and/or after its completion and the annexed report is true.

DOWHALDK





Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

P.O. Box 3000 Sioux Lookout, Ontario POV 2TO File: W8803-237

October 12, 1988

Norlode Resources Inc. P.O. Box 2038 20 Eglinton Avenue West Toronto, Ontario M4R 1K8

Dear Sir:

SUBJECT: Work Report W8803-237; Diamond Drilling

Patricia Mining Division

Enclosed please find a copy of the above report of work for your records. With the above submission you have exceeded the minimum requirement of 200 days work and total assessment work credits is recorded as follows:

Pa. 816870 - 306.4 days Pa. 816871-75 inclusive - 302.4 days

As discussed, once credits are placed on record, we will not redistribute at some future date.

If you have any questions on the above, do not hesitate to contact this office.

Yours very truly,

Doris H. Cosco, Acting Mining Recorder Mines and Minerals Division Patricia Mining Division Telephone 807:737-2034

smk encl.

cc: Harry Dowhaluk