

AF0 # 63.5486



52J04NE0496 63.5486 DRAYTON

010

**HARRY DOWHALUK**

GEOLOGIST

TAMWORTH — ONTARIO

CANADA K0K 3G0

November 21, 1988

To the Directors,  
Norlode Resources Inc.,  
#404 - 70 Eglinton Ave. W.,  
Box 2038, Toronto, Ont., M4R 1K8.

DRAYTON TWSP (NORTHEAST)  
PROJECT

Gentlemen,

The last assays have been received and it is now feasible to present the results of the diamond drilling program carried out on your property in Northeast Bay, Drayton township, in the Sioux Lookout area.

DIAMOND DRILLING

DDH 88-3 is the best hole and carries the most copper and gold. Averages are:

65.0 - 135 ft.      70.0 ft.      0.018 oz/t Au, 0.47% Cu.

This includes the smaller sections:

75.0 - 76.0 ft.      1.0 ft.      0.064 oz/t Au, 4.13% Cu

and

97.0 - 105.0      7.0 ft.      0.025 oz/t Au, 1.23% Cu

In DDH 88-1, we have,

9.0 - 104.0 ft.      95.0 ft.      0.006 oz/t Au

also

9.0 - 66.6 ft.      57.6 ft.      0.07% Cu

The best gold section is:

66.1 - 82.3 ft.      16.2 ft.      0.013 oz/t Au

In DDH 88-2 (below 88-1 at 60°), we have:

10.5 - 139.7 ft.      129.2 ft.      0.005 oz/t Au

Smaller sections of interest are:

39.2 - 40.2 ft.      1.0 ft.      0.059 oz/t Au

and

10.5 - 40.2 ft.      29.7 ft.      0.06% Cu

DDH 88-4 had only one copper-bearing section:

62.0 - 63.2 ft.      1.2 ft.      0.005 oz/t Au, and 0.34% Cu.

Holes 88-5 and 6 had no obvious copper. These holes were drilled southwest of the trenches.

Hole 7, out in the lake, had some scattered values:

95.2 - 96.9	1.7 ft.	0.062 oz/t Au,	2.43% Cu
112.8 - 116.7	3.9 ft.	0.017 oz/t Au,	0.79% Cu
129.0 - 130.0	1.0 ft.	0.014 oz/t Au,	0.90% Cu
		and	
183.7 - 184.9	1.2 ft.	0.17% Mo	

On the basis of the assays obtained in this round of drilling, the best values are in copper, while gold, molybdenum and silver occur in smaller quantities. It is primarily a copper situation. High gold values coincide with high copper values. Molybdenum has a more independent distribution and is frequently seen as a fine dusting of silvery specs. The moly content was not systematically sampled, nor was silver. The chalcopyrite is frequently associated with nests of tourmaline needles. Although copper and gold are present over large widths, the values are submarginal.

There is no definite shape to the copper distribution. Colonies of small nests or blebs of chalcopyrite mostly occur in an andesite flow which strikes N 40°E and dips about 75° to the NW. A diorite sill seems to limit the copper zone to the northwest and diorite again cuts off the zone to the southeast. The distance in a NW-SE direction across the copper-bearing zone is about 120 feet.

The zone is open to the northeast and could conceivably reoccur to the southwest of holes 5 and 6. Holes 5 and 6 were drilled across the andesite to the southwest of the No.2 trench and failed to intersect any chalcopyrite, but hole 88-7 which was drilled under the lake to the northeast of No. 1 trench, did pick up chalcopyrite in the andesite. The strike length along the andesite where copper values occur is about 150 feet.

The chalcopyrite mineralization comes primarily in the andesite flow close to feldspar porphyry. The porphyry is often seen as clasts in the andesite; but more generally, it is irregularly intercalated with the flow material. There is the impression of successive flows covering a talus pile of partially decomposed rock to form a kind of chaotic breccia. The chalcopyrite occurs in small cracks in the lava close to the porphyry; the copper may very well have come with the lava as an original constituent. The concentration of copper in this volcanic-porphyry melange could be a widespread process which is not necessarily confined to the

immediate vicinity of the showings.

At the water's edge on the north side of the No. 1 trench, there is a drag fold(S-shaped) which may account for the fracturing in this area. Not much is known about the pattern of folding.

The type of mineralization and assays to date point to a possible low grade, big tonnage situation. The gold assays are too low and the copper assays have little meaning unless big tonnages can be demonstrated. Nevertheless, there is a lot of copper and gold spread out in the rock, which, if concentrated in some structure could easily make ore. Again, there could be improved grades nearby.

It is recommended that 2,000 feet of diamond drilling be carried out with the following objectives in mind;

- 1) the volcanic band containing the copper showing should be drilled by holes bearing S 50°E at 50-foot intervals going northeastwards out on the lake. Also, there should be one or two holes to the southwest of 88-5 and 88-6.
- 2) A hole should be drilled northeast under the trenches along strike of the volcanic band to check for any cross-pattern of mineralization, especially for gold.
- 3) The northeasterly VLF-EM conductor axis between the two islands should be drilled. This drilling should ideally cross a greenstone band which appears to parallel the south shore of the north island.
- 4) Nearby volcanic bands to the west of the showing and northwest (on the north island shore) should be drilled to check for copper mineralization. This would throw some light on the general distribution of copper in the area.

Respectfully submitted,

*Harry Dowhaluk*

NORLODE RESOURCES INC.

DDH: 88-1

LIST OF SAMPLES

		Ag	oz/t Au	%Cu	Remarks
# 81606	9.0 - 15.0	6.0 ft.	<u>0.001</u>	<u>0.01</u>	Grs, 1% py
# 81607	15.0 - 20.0	5.0	<u>tr</u>	<u>0.01</u>	
# 81601	20.0 - 22.1	2.1 0.12	<u>0.008</u>	<u>1.06</u>	5% cpy, py
# 81608	22.1 - 25.0	2.9	<u>0.013</u>	<u>0.02</u>	Grs, py, cpy
# 81609	25.0 - 30.0	5.0	<u>0.003</u>	<u>0.02</u>	"
# 81610	30.0 - 35.0	5.0	<u>0.006</u>	<u>0.03</u>	FP
# 81611	35.0 - 40.0	5.0	<u>0.004</u>	<u>0.03</u>	Grs, py, cpy
# 81612	40.0 - 45.0	5.0	<u>0.001</u>	<u>0.01</u>	"
# 81613	45.0 - 50.0	5.0	<u>0.015</u>	<u>0.02</u>	"
# 81614	50.0 - 56.5	6.5	<u>0.005</u>	<u>0.03</u>	"
# 81602	56.5 - 57.1	0.6	<u>0.002</u>	<u>0.02</u>	Qtz blebs
# 81615	57.1 - 66.1	9.0	<u>0.003</u>	<u>0.02</u>	Grs, cpy, py
# 81603	66.1 - 66.6	0.5	<u>0.013</u>	<u>1.78</u>	"
# 81630	66.6 - 75.0	8.4	<u>0.013</u>		Grs, 1% py
# 81631	75.0 - 81.5	6.5	<u>0.011</u>		"
# 81604	81.5 - 82.3	0.8	<u>0.032</u>	0.04	"
# 81632	82.3 - 90.0	7.7	<u>0.002</u>		"
# 81633	90.0 - 98.0	8.0	<u>0.003</u>		"
# 81634	98.0 - 104.0	6.0	<u>0.007</u>		"

END

Averages

66.1 - 82.3	16.2 ft.	0.013 oz/t Au
9.0 - 104.0	95.0 ft.	0.006 oz/t Au
9.0 - 66.6	57.6 ft.	0.07% Cu

*Henry D. ...*  
*Nov. 21, 1988*

NORLODE RESOURCES INC

DDH: 88-2

LIST OF SAMPLES

			oz/t Au	%Cu	
# 81605	10.5 - 14.3	3.8 ft.	<u>0.004</u>	<u>0.11</u>	Grs, cpy
# 81635	14.3 - 25.0	10.7	<u>0.008</u>	<u>0.05</u>	"
# 81636	25.0 - 35.0	10.0	<u>0.005</u>	<u>0.02</u>	"
# 81637	35.0 - 39.2	4.2	<u>0.003</u>	<u>nil</u>	"
# 81638	39.2 - 40.2	1.0	<u>0.059</u>	<u>0.87</u>	"
# 81639	40.2 - 50.0	9.8	<u>0.003</u>		GRS
# 81640	50.0 - 60.0	10.0	<u>0.001</u>		"
# 81641	60.0 - 70.0	10.0	<u>0.002</u>		"
# 81642	70.0 - 76.0	6.0	<u>0.003</u>		"
# 81643	76.0 - 78.0	2.0	<u>0.006</u>	<u>0.23</u>	Grs, cpy, py
# 81644	78.0 - 87.0	9.0	<u>0.002</u>		
# 81646	87.0 - 90.7	3.7	<u>Nil</u>		Feld Porph
# 81647	90.7 - 100.0	9.3	<u>0.025</u>		Grs
# 81648	100.0 - 110.0	10.0	<u>0.008</u>		Grs
# 81649	110.0 - 120.0	10.0	<u>0.001</u>		Grs
# 81655	120.0 - 130.0	10.0	<u>0.004</u>		Grs
# 81656	130.0 - 135.0	5.0	<u>Nil</u>		Grs
# 81657	135.0 - 139.7	4.7	<u>0.002</u>		Mo: 01%
# 81645	186.8 - 187.0	0.2	<u>0.006</u>	<u>0.28</u>	Ag: Trace Native Cu present

Averages

10.5 - 139.7	129.2 ft	0.005 oz/t Au
39.2 - 40.2	1.0 ft.	0.059 oz/t Au (highest value)
10.5 - 40.2	29.7 Ft.	0.06% Cu

*Sam Durbalik*  
Nov. 21, 1988

NORLODE RESOURCES INC.

DDH: 88-3

LIST OF SAMPLES

				oz/t Au	% Cu	
# 81616	65.0 - 70.0	5.0 ft.	<u>0.016</u>	<u>0.41</u>	Grs, cpy, py	
# 81617	70.0 - 75.0	5.0	<u>0.099</u>	<u>1.11</u>	"	
# 81618	75.0 - 76.0	1.0	<u>0.064</u>	<u>4.13</u>	50% cpy, py	
# 81619	76.0 - 79.0	3.0	<u>0.001</u>	<u>0.05</u>	Feld porph	
# 81620	79.0 - 82.0	3.0	<u>0.024</u>	<u>0.19</u>	Grs, cpy, py	
# 81621	82.0 - 89.2	7.2	<u>tr</u>	<u>0.02</u>	Feld porph	
# 81622	89.2 - 95.6	6.4	<u>0.006</u>	<u>0.19</u>	Grs, cpy	
# 81623	95.6 - 97.6	2.0	<u>0.021</u>	<u>0.31</u>	FP, some cpy	
# 81624	97.6 - 105.0	7.4	<u>0.025</u>	<u>1.23</u>	Grs, cpy	
# 81625	105.0 - 112.7	7.7	<u>0.013</u>	<u>0.89</u>	Grs, FP, cpy	
# 81626	112.7 - 115.0	2.3	<u>0.005</u>	<u>0.08</u>	FP	
# 81627	115.0 - 119.0	4.0	<u>0.019</u>	<u>0.31</u>	Grs	
# 81628	119.0 - 126.0	7.0	<u>0.005</u>	<u>0.04</u>	Grs, FP	
# 81629	126.0 - 135.0	9.0	<u>0.006</u>	<u>0.14</u>	Grs, FP	

# 81658	9.0 - 16.0	7.0 ft.	<u>Nil</u>		Grs
# 81659	16.0 - 21.8	5.8	<u>0.014</u>	<u>0.09</u>	Grs
# 81660	21.8 - 26.8	5.0	<u>0.003</u>	<u>0.03</u>	<u>0.01% Mo</u>

Averages

65.0 - 135.0	70.0 ft	0.018 oz/t Au
65.0 - 135.0	70.0 ft.	0.47 % Cu
75.0 - 76.0	1.0 ft.	0.064 oz/t Au and 4.13% Cu
97.6 - 105.0	7.4 ft.	0.025 oz/t Au and 1.23% Cu

*Harry D. ...*  
Nov. 21, 1988

Norlode Resources Inc.

DDH 88-4

LIST OF SAMPLES

			Au oz/t	%Cu	
# 81661	62.0 - 63.2	1.2 ft.	<u>0.005</u>	<u>0.34</u>	Veinlet $\frac{1}{2}$ "

End

*Henry Parkler*  
N.N. 21, 1988



LIST OF SAMPLES

No samples taken

*Henry D. ...*  
Nov. 21, 1983

NORLODE RESOURCES INC

DDH 88-6

LIST OF SAMPLES

			Au oz/t	
# 81650	71.7 - 75.0	3.3 ft.	<u>0.001</u>	Qtz blebs, lines, in field porph

End

*Wm. J. Daniels*  
*Nov. 21, 1988*

NORLODE RESOURCES INC

DDH: 88-7

LIST OF SAMPLES

			Au oz/t	Cu %	
# 81651	95.2 - 96.9	1.7 ft.	<u>0.062</u>	<u>2.43</u>	Grs w cpy
# 81652	112.8 - 116.7	3.9	<u>0.017</u>	<u>0.79</u>	Grs
# 81653	129.0 - 130.0	1.0	<u>0.014</u>	<u>0.90</u>	Grs
# 81654	183.7 - 184.9	1.2	-	-	Mo: <u>0.17%</u> Grs

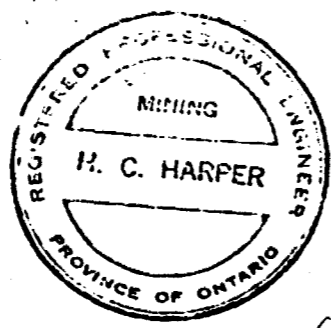
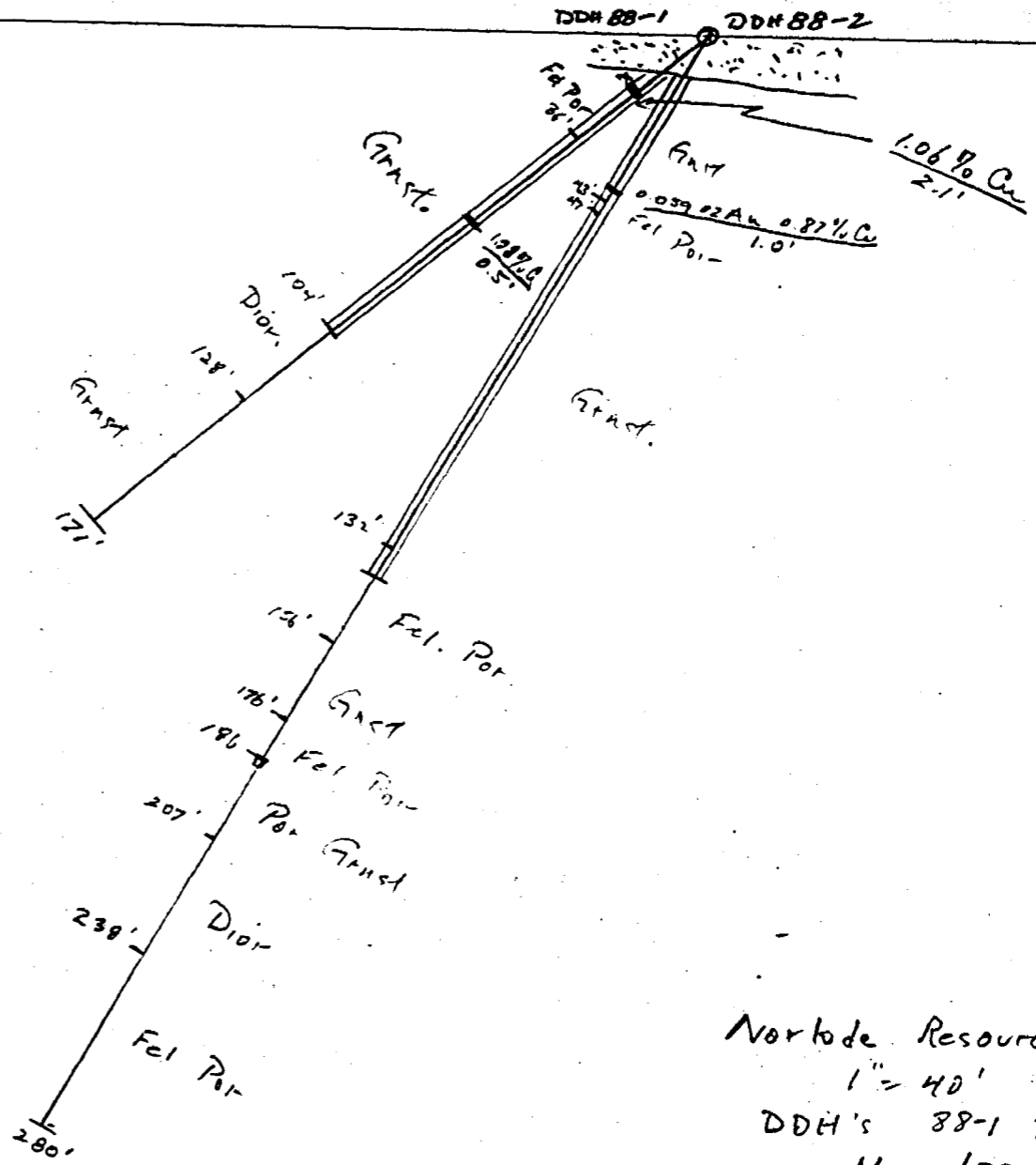
End

*Handwritten:*  
 - Andy Dowland  
 Nov 26, 1988

NW

← N20W

SE



H. C. Harper

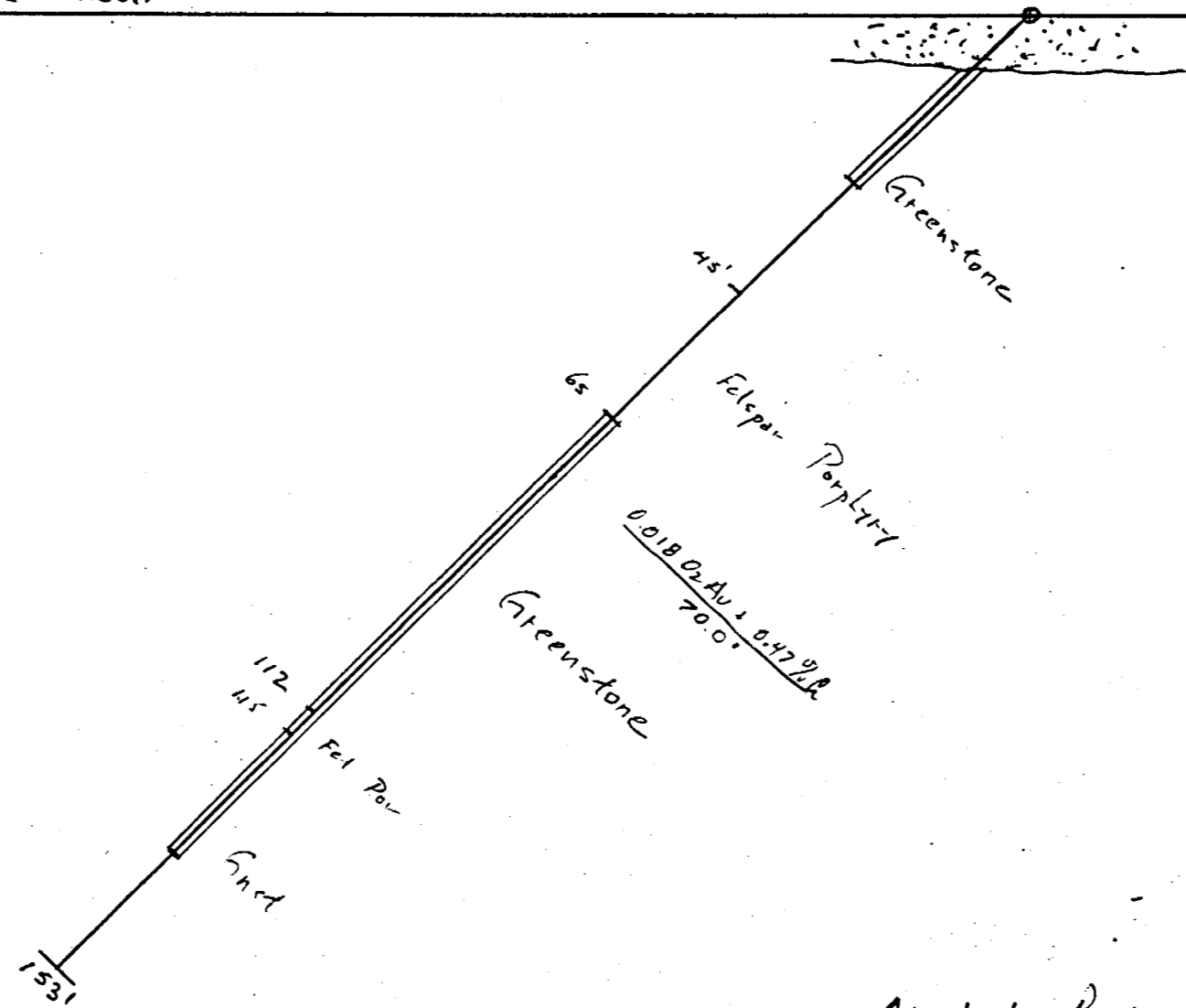
Norcode Resources Inc.  
1" = 40'  
DDH's 88-1 & 88-2  
May 189  
Drazton Twp Property

W

← West.

DDH N 88-3

E



Norlode Resources Inc.  
 DDH N 88-3

1" = 20'

Ms-189  
 Drexton Twp Property



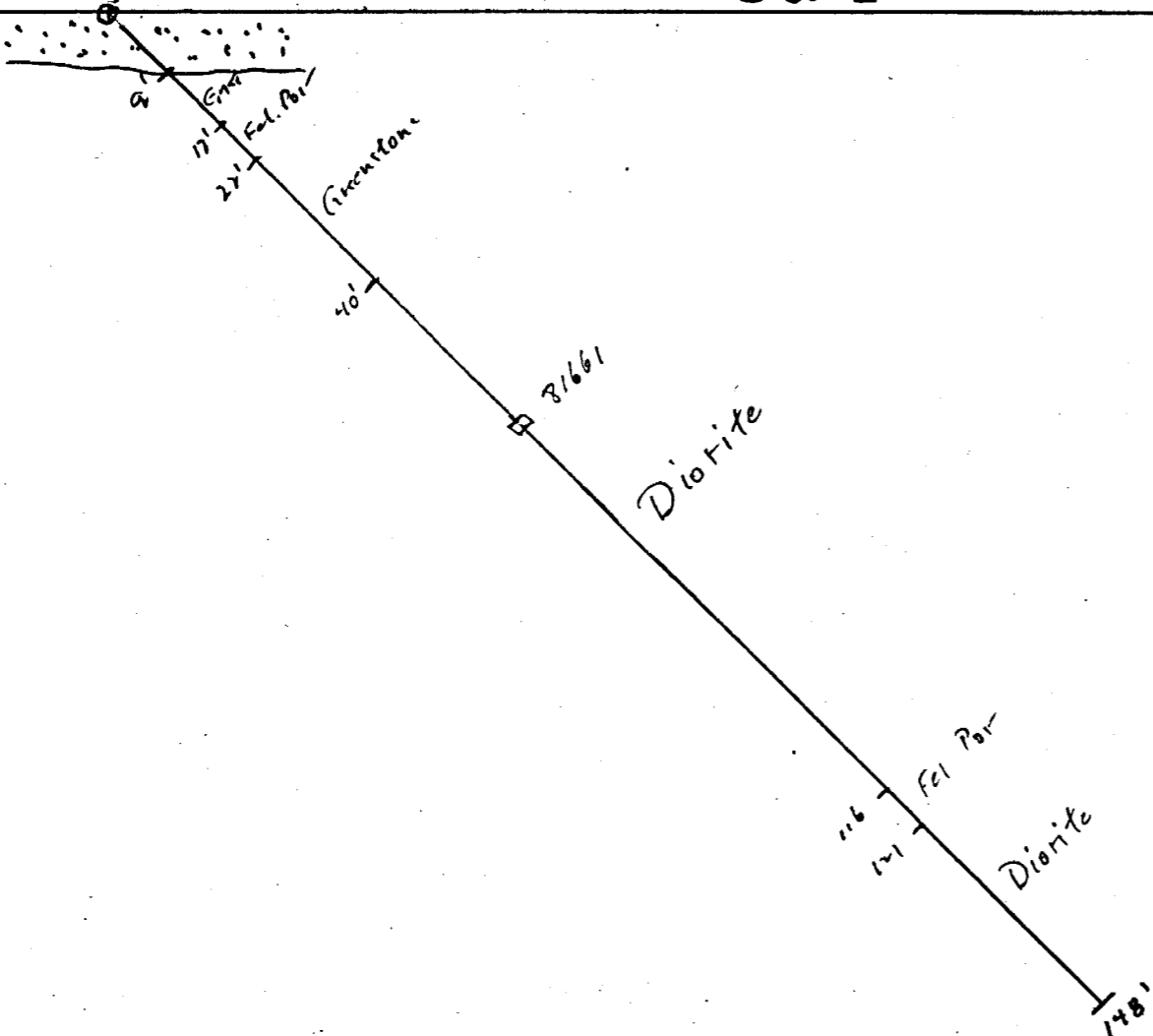
H. C. Harper

NW

DDH N 88-4

→ S 50° E

SE



Norlode Resources Inc.  
 DDH N 88-4  
 1" = 20'  
 May 189  
 Draxton Twp. Property

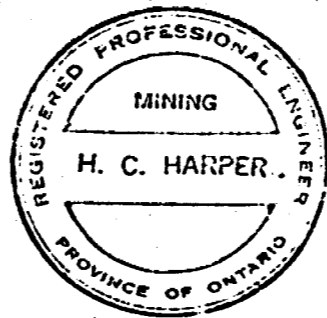
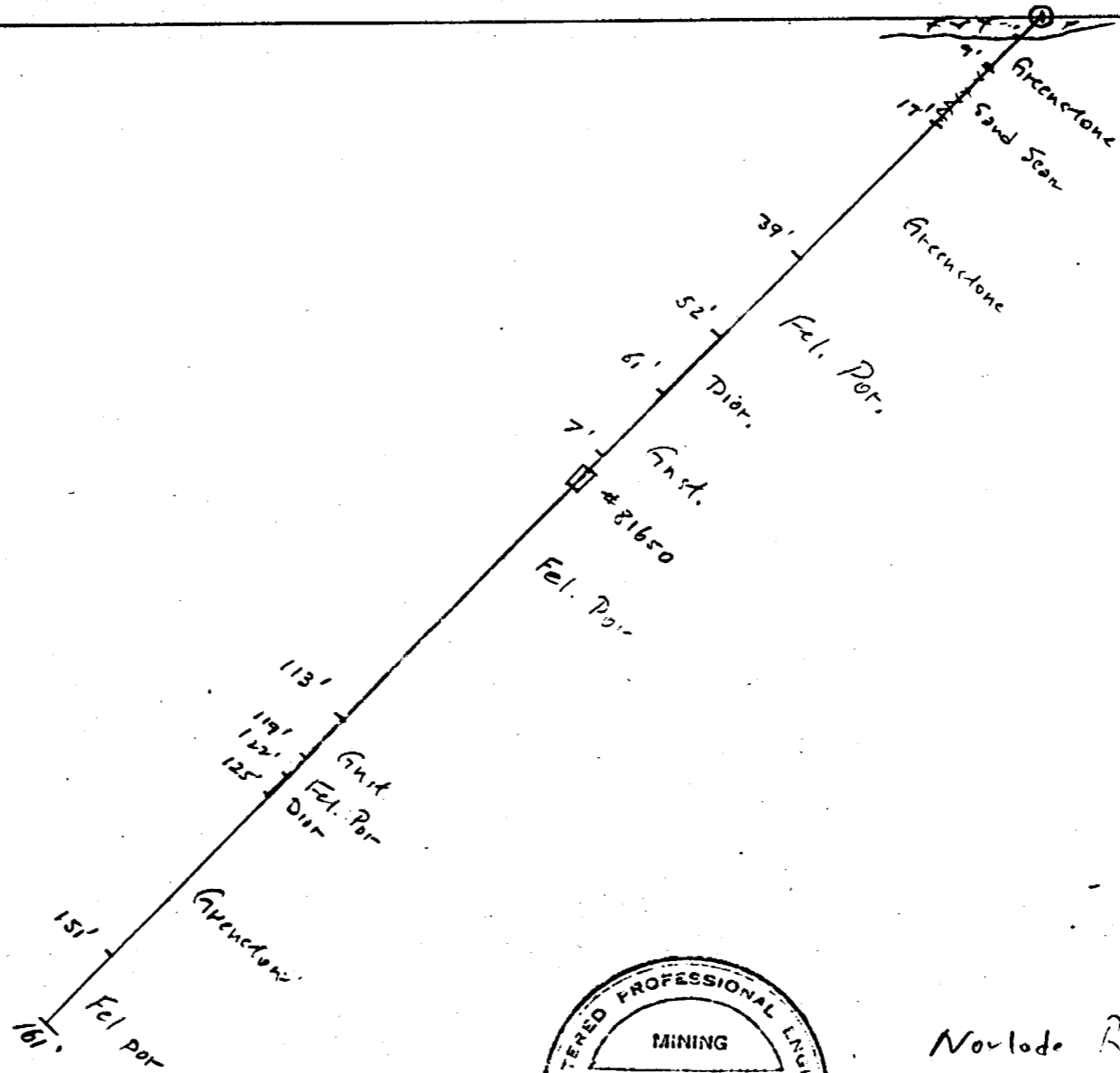
H. G. Hoop

NW

N 50° W

DDH N 88-6

SE



H. C. Harper

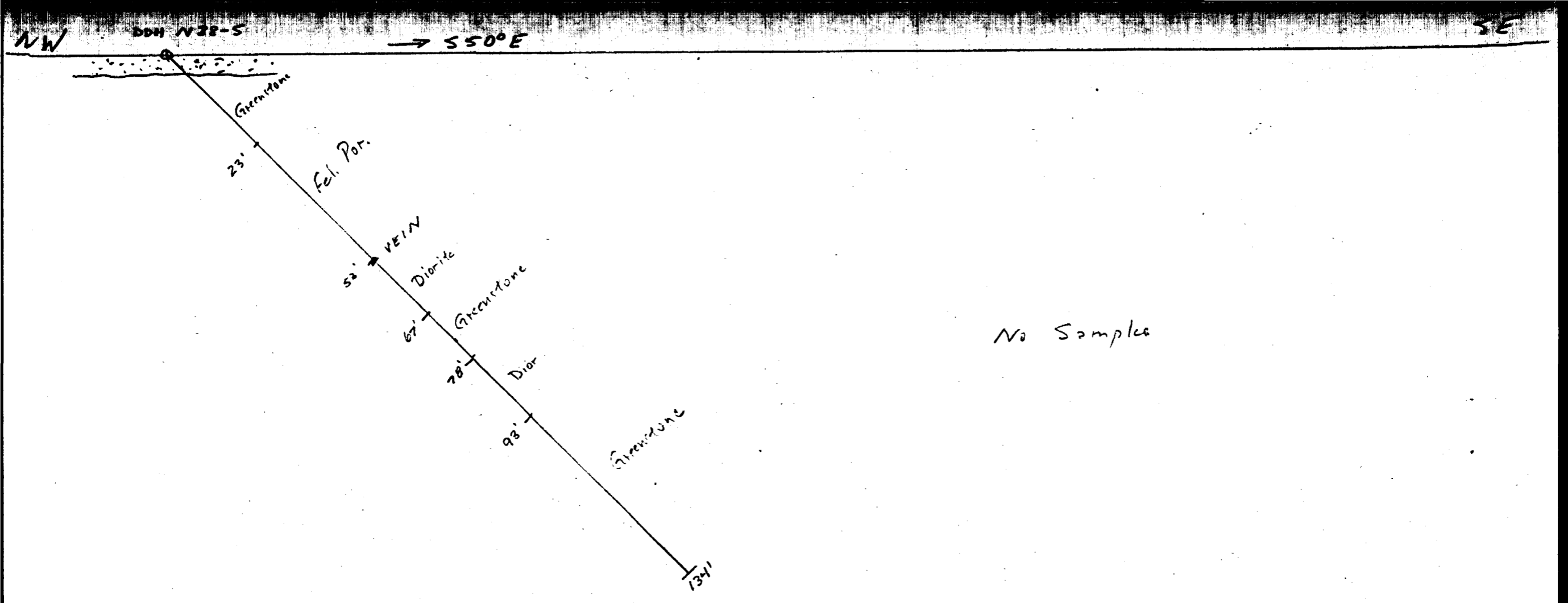
Novlode Resources Inc.

DDH N 88-6

1"=20'

Mo 189

Dexteran Twp Property



No Samples



Worldwide Resources Inc  
 DDH N88-5  
 1"=20'  
 Mar 189  
 Drayton Twp Prop.

H. C. Harper

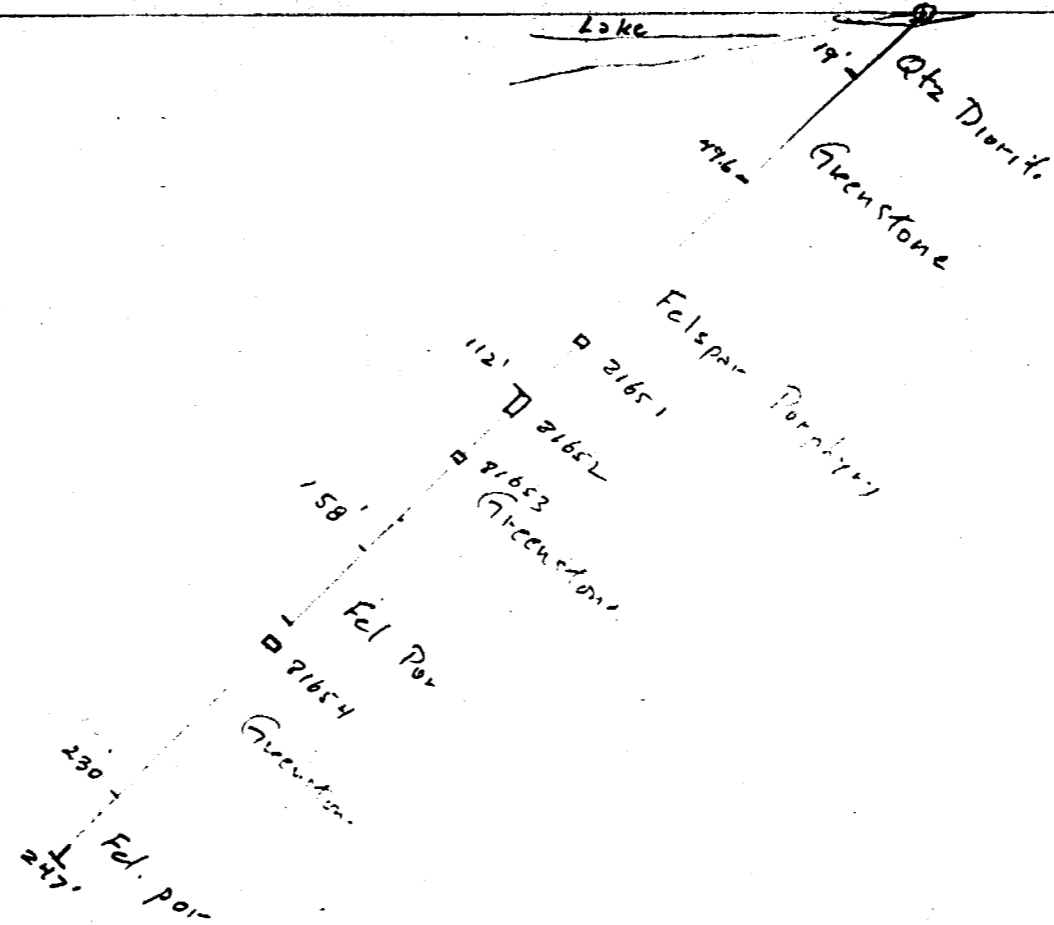


NW

← N 50° W

DDH N-88-7

SE



Northde Resource Inc.

DDH N38-7

1" = 40'

May 189

Dutton Twp. Property

H. C. Harper

SAMPLE	AU OZ/TON	CU %
81624	0.025	1.23
81625	0.013	0.89
81626	0.005	0.08
81627	0.019	0.31
81628	0.005	0.04
81629	0.006	0.14
81632	0.002	--
81633	0.003	--
81634	0.007	--
81637	0.003	NIL
81638	0.059	0.87
81640	0.001	--
81641	0.002	--
81642	0.003	--
81643	0.006	0.23
81644	0.002	--

SAMPLE	AU OZ/TON	CU %	MO %
81660	0.003	0.03	0.01
81661	0.005	0.34	--

SAMPLE	AU OZ/TON	CU %	AG OZ/TON
81623	0.021	0.31	--
81630	0.013	--	--
81631	0.011	--	--
81635	0.008	0.05	--
81636	0.005	0.02	--
81639	0.003	--	--
81645	0.006	0.28	TRACE

SAMPLE	AU OZ/TON	CU %	MO %
81646	NIL	--	--
81647	0.025	--	--
81648	0.008	--	--
81649	0.001	--	--
81650	0.001	--	--
81651	0.062	2.43	--
81652	0.017	0.79	--
81653	0.014	0.90	--
81654	--	--	0.17
81655	0.004	--	--
81656	NIL	--	--
81657	0.002	--	0.01
81658	NIL	--	--
81659	0.014	0.09	--

SAMPLE	AU OZ/TON	CU %
81612	0.001	0.01
81613	0.015	0.02
81614	0.005	0.03
81615	0.003	0.02
81616	0.016	0.41
81617	0.099	1.11
81618	0.064	4.13
81619	0.001	0.05
81620	0.024	0.19
81621	TRACE	0.02
81622	0.006	0.19



SAMPLE	AU OZ/TON	CU %	AG OZ/TON	
81601	0.008	1.06	0.12	} DDH 88-1
81602	0.002	0.02	--	
81603	0.013	1.78	--	} DDH 88-2
81604	0.032	0.04	--	
81605	0.004	0.11	--	
81606	0.001	0.01	--	} DDH 88-1
81607	TRACE	0.01	--	
81608	0.013	0.02	--	
81609	0.003	0.02	--	
81610	0.006	0.03	--	
81611	0.004	0.03	--	



52J04NE0496 63.5486 DRAYTON

900

OM 88-5-C-117

THIS SUBMITTAL CONSISTED OF VARIOUS REPORTS, SOME OF WHICH HAVE BEEN CULLED FROM THIS FILE. THE CULLED MATERIAL HAD BEEN PREVIOUSLY SUBMITTED UNDER THE FOLLOWING RECORD SERIES (THE DOCUMENTS CAN BE VIEWED IN THESE SERIES):

- 1. Diamond Drill Logs. Hole No.'s ⇒ See Drayton Twp. D.D.R #31  
 88-1 to 88-7; Norlake Res. Inc.; R.O.W. W8803.237  
 H. Dowhaluk; Sept. Oct/88



**XRAL**

**CERTIFICATE OF ANALYSIS  
REPORT 6761**

TO: NORLODE RESOURCES INC.  
P. O. BOX 2038  
20 EGLINTON AVE. WEST, SUITE 404  
TORONTO, ONTARIO M4R 1K8

CUSTOMER No. 1523

DATE SUBMITTED  
4-Oct-88

REF. FILE 2997-A3

Total Pages 1

16 SPLIT CORES

	METHOD	DETECTION LIMIT
AU OZ/TON	FA	0.001
CU %	XRF	0.01

DATE 03-NOV-88

X-RAY ASSAY LABORATORIES LIMITED

CERTIFIED BY *J. Eagles*.....

RECEIVED NOV 17 1988



**CERTIFICATE OF ANALYSIS  
REPORT 6755**

TO: NORLODE RESOURCES INC.  
ATTN: GRANT HARPER  
P. O. BOX 2038  
20 EGLINTON AVE. WEST, SUITE 404  
TORONTO, ONTARIO M4R 1K8

CUSTOMER No. 1523

DATE SUBMITTED  
7-Oct-88

REF. FILE 3047-B3

Total Pages 1

7 SPLIT CORES

	METHOD	DETECTION LIMIT
AU OZ/TON	FA	0.001
CU %	XRF	0.01
AG OZ/TON	FA	0.1

DATE 02-NOV-88

X-RAY ASSAY LABORATORIES LIMITED

CERTIFIED BY *J. Eagles*

**XRAL**

**CERTIFICATE OF ANALYSIS  
REPORT 6756**

TO: NORLODE RESOURCES INC.  
ATTN: GRANT HARPER  
P. O. BOX 2038  
20 EGLINTON AVE. WEST, SUITE 404  
TORONTO, ONTARIO M4R 1K8

CUSTOMER No. 1523  
DATE SUBMITTED  
20-Oct-88

REF. FILE 3173-A1

Total Pages 1

2 ROCKS

	METHOD	DETECTION LIMIT
AU OZ/TON	FA	0.001
CU %	XRF	0.01
MO %	XRF	0.01

DATE 02-NOV-88

X-RAY ASSAY LABORATORIES LIMITED  
CERTIFIED BY *J. Engle*.....

**XRAL**

**CERTIFICATE OF ANALYSIS  
REPORT 6689**

**TO: NORLODE RESOURCES INC.  
C/O GRANT HARPER  
P.O. BOX 2038  
20 EGLINTON AVE. W., SUITE 404  
TORONTO, ONTARIO M4R 1K8**

**CUSTOMER No. 1523  
DATE SUBMITTED  
14-Oct-88**

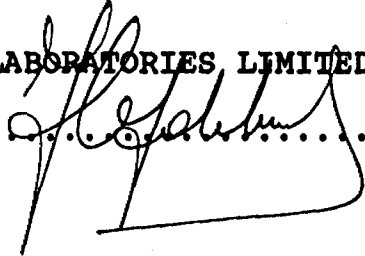
**REF. FILE 3110-L5**

**Total Pages 1**

**14 S.CORES**

	<b>METHOD</b>	<b>DETECTION LIMIT</b>
<b>AU OZ/TON</b>	<b>FA</b>	<b>0.001</b>
<b>CU %</b>	<b>XRF</b>	<b>0.01</b>
<b>MO %</b>	<b>XRF</b>	<b>0.01</b>

**DATE 28-OCT-88**

**X-RAY ASSAY LABORATORIES LIMITED  
CERTIFIED BY **

**RECEIVED OCT 24 1988**

**XRAL**

**CERTIFICATE OF ANALYSIS  
REPORT 6546**

TO: NORLODE RESOURCES INC.  
C/O GRANT HARPER  
P.O. BOX 2038  
20 EGLINTON AVE. W., SUITE 404  
TORONTO, ONTARIO M4R 1K8

CUSTOMER No. 1523

DATE SUBMITTED  
23-Sep-88

REF. FILE 2875-U3

Total Pages 1

11 ROCKS

	METHOD	DETECTION LIMIT
AU OZ/TON	FA	0.001
CU %	XRF	0.01

RECEIVED OCT 17 1988

DATE 14-OCT-88

X-RAY ASSAY LABORATORIES LIMITED

CERTIFIED BY 