

6390

ASSESSMENT REPORT

COMBINED DRILLING AND RADIOMETRIC BOREHOLE PROBING

on the

KAL 10 KETTLE 6, 7, 9, 11, 12, 14, 22, 103, 105 MINERAL CLAIMS

GREENWOOD MINING DIVISION

OSOY00S MINING DIVISION

VERNON MINING DIVISION

Located at approximately

49°48'N 119°12'W

BY

W.I. Nelson

J.T. Walker

NORANDA EXPLORATION COMPANY, LIMITED

(NO PERSONAL LIABILITY)

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

NO. _____

May 6, 1977. to September 2, 1977

TABLE OF CONTENTS

	<u>Page</u>
GENERAL STATEMENT	1
LOCATION AND ACCESS	1
CLAIM STATISTICS	1
DRILLING	2
SUMMARY OF DRILL HOLES	3
RADIOMETRIC BOREHOLE LOGGING	5

APPENDICES

APPENDIX 1	STATEMENT OF QUALIFICATIONS
APPENDIX 2	STATEMENT OF COSTS
APPENDIX 3	DRILL LOGS
APPENDIX 4	RADIOMETRIC LOGS

LIST OF ILLUSTRATIONS

Figure 1	Location Map 1:250,000	Following Page 1
Drawing 2	Drill Plan	
Drawing 3	Grid & Drill Plan	

GENERAL STATEMENT

The mineral claims referred to in this assessment report are owned by Tyee Lake Resources, Limited and were under option to Kerr Addison Mines, Limited and Noranda Exploration Company, Limited (No Personal Liability).

A program of diamond drilling and rotary drilling was used to test favourable areas for sedimentary-type uranium deposits within the mineral claims. Radiometric borehole probing was done in all holes while the drill rods were still in place.

LOCATION AND ACCESS

The mineral claims are located approximately 25 kilometers by air south-east of Kelowna, B.C. near $49^{\circ}48'N - 119^{\circ}12'W$. Access is by McCulloch Road, a good gravel road, which joins highway 33 approximately 40 kilometers from Kelowna. The claims are 1 - 7 kilometers by road from highway 33. Figure 1 shows the location of the claims.

CLAIM STATISTICS

<u>NAME</u>	<u>MINING DIVISION</u>	<u>RECORD NUMBER</u>	<u>No. OF UNITS</u>	<u>OWNER</u>	<u>OPTIONEES</u>
Kettle 1	Vernon	28	20	Tyee Lake Resources Ltd.	Kerr Addison Mines Ltd. Noranda Exploration Co. Limited (No Personal Liability)
Kettle 2	Osoyoos	21	8	"	"
Kettle 3	Osoyoos	22	4	"	"
Kettle 4	Osoyoos	23	2	"	"
Kettle 5	Osoyoos	24	20	"	"
Kettle 6	Osoyoos	25	20	"	"
Kettle 7	Greenwood	116	10	"	"
Kettle 8	Greenwood	117	6	"	"
Kettle 9	Osoyoos	26	20	"	"
Kettle 10	Vernon	29	12	"	"
Kettle 11	Greenwood	118	18	"	"
Kettle 12	Osoyoos	70	12	"	"
Kettle 13	Osoyoos	71	2	"	"
Kettle 14	Vernon	48	3	"	"
Kettle 15	Vernon	49	4	"	"
Kettle 16	Vernon	50	6	"	"
Kettle 17	Vernon	55	3	"	"
Kettle 18	Vernon	56	8	"	"

158

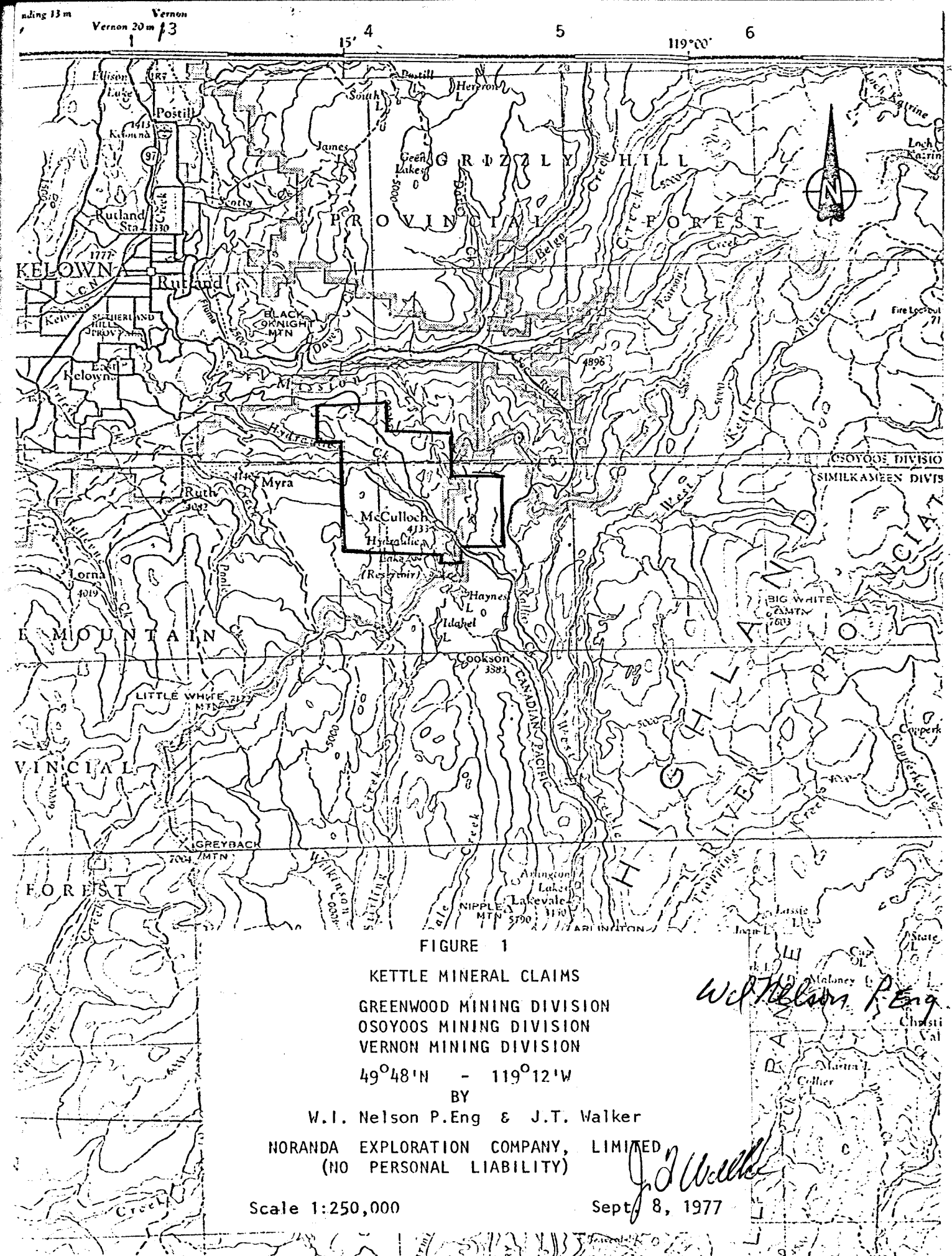


FIGURE 1

KETTLE MINERAL CLAIMS

GREENWOOD MINING DIVISION

OSOYOOS MINING DIVISION

VERNON MINING DIVISION

49°48'N - 119°12'W

BY

W.I. Nelson P.Eng & J.T. Walker

NORANDA EXPLORATION COMPANY, LIMITED
(NO PERSONAL LIABILITY)

Scale 1:250,000

Sept 8, 1977

W.I. Nelson P.Eng

J.T. Walker

<u>NAME</u>	<u>MINING DIVISION</u>	<u>RECORD NUMBER</u>	<u>NO. OF UNITS</u>	<u>OWNER</u>	<u>OPTIONEES</u>
Kettle 19	Osoyoos	73	2	Tye Lake Resources Ltd.	Kerr Addison Mines Ltd. Noranda Exploration Co. Limited (No Personal Liability)
Kettle 20	Vernon	62	6	"	"
Kettle 21	Greenwood	345	6	"	"
Kettle 22	Osoyoos	74	2	"	"
Kettle 23	Osoyoos	75	2	"	"
Kettle 101	Osoyoos	178	1	"	"
Kettle 102	Osoyoos	179	1	"	"
Kettle 103	Osoyoos	180	2	"	"
Kettle 104	Vernon	209	1	"	"
Kettle 105	Vernon	210	2	"	"
Kettle 106	Osoyoos	181	2	"	"
Kettle 107	Osoyoos	182	1	"	"
Kettle 108	Vernon	211	1	"	"
Kettle 109	Vernon	212	3	"	"
Kettle 110	Osoyoos	183	1	"	"
			<u>33</u>		
			<u>158</u>		
			<u>191</u>		
<u>DRILLING</u>					

Diamond Drilling:

In May and August 1977 three holes with a total length of 184.10 meters were drilled. Core size in all 3 holes was HQ wire line. Any core which was not sent out for assay was put in wooden boxes and stored in the core shack on McCulloch Road approximately 7 kilometers west of highway 33.

Rotary Drilling:

In May, June and August 1977 65 holes with a total length of 4054.34 meters were drilled.

Cuttings were collected, usually at a 3.05 meter interval, bagged and samples stored at the core shack along with the core. The drills used were a Longyear Super 38 diesel powered drill for all the diamond drilling and many rotary holes, two smaller drills and a water well type drill were used on rotary holes. The drilling was done on contract by H.Allen Diamond Drilling, Limited of Merritt, B.C.

SUMMARY OF DRILL HOLES

<u>CLAIM NAME</u>	<u>HOLE NO.</u>	<u>METHOD</u>	<u>BIT SIZE</u>	<u>DEPTH</u>	<u>TOTAL</u>
Kettle 6	NT 26	Rotary	N	71.93	<hr/> 257.25
	NT 27	"	N	70.41	
	NT 28	"	N	58.22	
	NT 43	"	N	56.69	
Kettle 7	NT 40	"	N	48.77	<hr/> 48.77
Kettle 9	NT 32	"	N	39.62	<hr/> 39.62
Kettle 11	NT 33	"	HQ	70.10	<hr/> 89.00
	NT 39	"	HQ	18.90	
Kettle 14	NT 25	"	N	80.47	<hr/> 135.35
	NT 29	"	N	54.86	
Kettle 22	NT 21	"	BQ	82.91	<hr/> 82.91
Kettle 102	NT 24	"	BQ	94.79	<hr/> 94.79
Kettle 105	NT 23	"	BQ	96.32	<hr/> 96.32
Kal 10	NT 35	"	N	70.10	<hr/> 70.10
Kettle 12	NT 19	Diamond Drill	HQ	62.79	<hr/> 184.10 meters
	NT 45	"	HQ	63.09	
	NT 46	"	HQ	58.22	
	NT 20	Rotary	BQ	85.95	
	NT 22	"	BQ	87.78	
	NT 30	"	N	61.26	
	NT 31	"	N	61.26	
	NT 34	"	N	55.78	
	NT 36	"	N	56.69	
	NT 37	"	N	44.50	

<u>CLAIM NAME</u>	<u>HOLE NO.</u>	<u>METHOD</u>	<u>BIT SIZE</u>	<u>DEPTH</u>	<u>TOTAL</u>
Kettle 12	NT 38	Rotary	N	54.46	
	NT 41	"	N	46.02	
	NT 42	"	N	53.64	
	NT 44	"	N	18.29	
	R 18	"	HQ	65.53	
	R 19	"	NW	71.32	
	R 20	"	HQ	57.91	
	R 21	"	HQ	68.28	
	R 22	"	HQ	62.18	
	R 23	"	HQ	68.28	
	R 24	"	NW	51.82	
	R 25	"	HQ	70.10	
	R 26	"	NW	68.58	
	R 27	"	HQ	70.41	
	R 28	"	NW	70.10	
	R 29	"	HQ	60.96	
	R 30	"	NW	54.86	
	R 31	"	HQ	57.91	
	R 32	"	NW	79.25	
	R 33	"	HQ	65.23	
	R 34	"	NW	60.96	
	R 35	"	HQ	57.91	
	R 36	"	NW	67.06	
	R 37	"	HQ	60.96	
	R 38	"	NW	64.01	
	R 39	"	HQ	74.37	
	R 40	"	NW	76.20	
	R 41	"	HQ	79.25	
	R 42	"	NW	68.58	
	R 43	"	HQ	70.10	
	R 44	"	NW	42.67	
	R 45	"	HQ	70.10	
	R 46	"	NW	51.82	
	R 47	"	NW	51.82	
	R 48	"	NW	67.06	
	R 49	"	NW	51.82	
	R 50	"	NW	67.06	
	R 51	"	NW	57.91	
	R 52	"	NW	42.67	
	R 53	"	NW	60.96	
	R 54	"	NW	54.86	
	R 55	"	NW	33.53	
	R 56	"	HQ	70.10	
	R 57	"	HQ	70.10	

3140.23

RADIOMETRIC BOREHOLE LOGGING

The following equipment was utilized for the radiometric logging of all drill holes listed in this report: Spectrometer Model GR-410, Electric Winch with interface and electronic depth counter, 1.5 inch diameter probe and 1.25 inch diameter probe manufactured by Exploranium/Geometrics of Downsview, Ontario A Hewlett Packard Chart Recorder Model 7155B was used to record all data.

The radiometric logging was carried out with the Spectrometer operating in the total count mode measuring gamma radiator between 0.5 and 3 Mev. All drill holes were logged from collar to bottom of hole with the probe travelling inside the drill rods. A probe speed of 2 meters per minute was maintained.

Gamma radiator measured in counts per second was recorded on the strip chart recorder at suitable ranges as indicated on each radiometric log. A depth scale of 1cm of chart travel equals 1 meter cable travel was maintained on all logs. The original strip chart logs have been photo reduced 2.5 times for presentation in this report.

Radiometric grades expressed in percent equivalent U_{308} were calculated and plotted on the radiometric logs. The calculation of grade is based on the relationship of area under the log curve being proportional to the grade - thickness product. This technique is explained by P.H. Dodd and D.H. Eschliman "Borehole Logging Techniques for Uranium Prospecting Handbook 1972"

September 8, 1977

W.I. Nelson P.Eng.

W.I. Nelson P.Eng.
Geologist

J.J. Walker

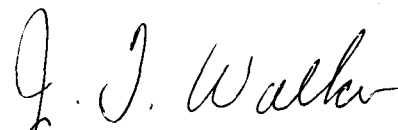
J.J. Walker
Geophysicist

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, James T. Walker of the City of Vancouver, Province of British Columbia do certify that:

1. I have been an employee of Noranda Exploration Company, Limited since May, 1958.
2. I have held the position of Geophysicist for Noranda Exploration Company, Limited, British Columbia since June, 1965.
3. I am a member of the Canadian Institute of Mining and Metallurgy.
4. I am a member of the Canadian Exploration Geophysical Society.
5. I am a member of the British Columbia Geophysical Society.



J.T. Walker
Geophysicist
Noranda Exploration Company, Limited

STATEMENT OF COSTS

NORANDA EXPLORATION COMPANY, LIMITED

STATEMENT OF COST

PROJECT: Tye - Peregrine - Hydraulic Lake

TYPE OF REPORT: Drilling

(a) Employees: G. Gibson, W. Nelson, R. Johnston, I. Saunders, L. Nelson
C. Lee, B. Dautel
Number of days: 167

Dates worked: Between May 1 and Sept. 9/77

(b) Average cost per day \$ 63.29

Total cost \$63.29 X 167 \$ 10,569.43

(c) Cost of food & accomodation \$ 2,181.02

(d) Cost of transportation

i. During work period

type: truck

cost: 1,889.92

ii. To and from Claims from
within B.C.

cost: 1,446.75 3,336.67

(e) Cost of aircraft

i. Fixed wing:

ii. Helicopter:

(f) Cost of instruments

i. Rental:

ii. Supplies

(g) Cost of geochem analysis
(details attached):

(h) Cost of report preparation: 3,759.47

(i) Other: Supervision R.C. Heim P.Eng. PhD.

and G.E. Dirom, P.Eng 1,775.18

Field & Camp Supplies 340.57

B.C. Tel 450.56

Payment to land owner 14,100.00 16,666.31

H. Allen Diamond Drilling 132,300.33

TOTAL

168,813.23

NORANDA EXPLORATION COMPANY, LIMITED

STATEMENT OF COST

PROJECT: Tye - Peregrine - Hydraulic Lake

TYPE OF REPORT: Drill Hole Probe

L. Bradish, J. Walker, C. Desjardins, A. Dickinson,

(a) Employees: G. Fenton, L. Reinertson

Number of days: 117

Dates worked: Between May 3 and Aug. 31/77

(b) Average cost per day \$69.07

Total cost \$69.07 X 117 \$ 8,081.19

(c) Cost of food & accomodation \$ 1,528.02

(d) Cost of transportation

i. During work period

type: Trucks

cost: 1,106.35

ii. To and from Claims from
within B.C.

cost: 1,785.75 2,892.10

(e) Cost of aircraft

i. Fixed wing:

ii. Helicopter:

(f) Cost of instruments

i. Rental: 3,900.00

ii. Supplies 1,335.59 5,235.59

(g) Cost of geochem analysis
(details attached):

(h) Cost of report preparation: 1,822.24

(i) Other: Supervision R.C. Heim, P.Eng., PhD, &
G.E. Dirom P.Eng. \$1,560.16

Field and Camp Supplies 245.21

B.C. Tel 30.00

1,835.37

TOTAL

21,394.51

NORANDA EXPLORATION COMPANY, LIMITED

STATEMENT OF COST

SUMMARY

PROJECT - Tyeer Peregrine - Hydraulic Lake

TYPE OF REPORT - Drilling and Drill Hole Probing

Cost of Drilling	\$ 168,813.23
Cost of Probing	<u>21,394.51</u>
	<u>\$ 190,207.74</u>

COSTS ALLOCATED TO CLAIMS

Kettle 6	\$ 12,398.70
Kettle 7	2,350.57
Kettle 9	1,909.57
Kettle 11	4,289.54
Kettle 12	146,151.27
Kettle 14	6,522.51
Kettle 22	3,996.02
Kettle 24	4,568.60
Kettle 105	4,642.34
Kal 10	3,378.62
	<u>\$ 190,207.74</u>

DRILL LOGS

NORANDA EXPLORATION COMPANY, LIMITED

Collared 14 May/77	Completed 18 May/77	Core Size HQ	Property TYEE-HYDRAULIC	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. 9973.38	Elev. 1260.46	Dip Vertical
Dep.	Depth	Bearing	Dep. 9342.94	Depth 62.79m	Bearing
					Hole No. NT-19

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.				
0-3.96	0		Casing - no core								
3.96-12.34	70%		Glacial till pebbles and cobbles mostly basalt - 40% rock - some granitic								
12.34-23.16	100%		Glacial till 25% rock - mostly pebbles less than 2cm-basalt - granitic					TV-1	1500 c.p.m.		
23.16-24.69	30%		Glacial Till Pebbles mostly basalt - about 5cm								
24.69-28.35	100%		Gray - Arkosic - Fine grain quartz and feldspar. Pebbles mostly less than 2cm Gray Tuff-Basalt-green tuff					TV-1	2000 c.p.m.		
28.35-30.78	100%		Gray arkosic fine grain quartz & feldspar pebbles larger mainly kaolinized granitic					TV-1	2000 c.p.m.		
30.78-32.31	100%		Gray arkosic - at 31.09 15cm sandy lens plus coal					TV-1	1500 - 1800 c.p.m.		
32.31-35.36	95%		Gray arkosic. Most pebbles granitic					TV-1	2000 c.p.m.		
35.36-38.40	100%		Gray arkosic - darker gray. Pebbles black quartz present At 37.30 pebble with bright green stain					TV-1	2000 - 2500 c.p.m.		
38.40-39.93	25%		Dark gray arkose & pebbles 1% sulphides very fine grain					TV-1	2000 c.p.m.		
39.93-41.76	100%		Dark gray arkose & pebbles 1% sulphides very fine grain					TV-1	2500 - peak at 41.45		
41.76-42.37	100%		Sandy - Quartz feldspar fragments coal near 42.37					TV-1	4000 c.p.m.		
42.37-43.70	100%		Dark gray arkose & pebbles granitic & volcanic - rare F.G. sulphide					TV-1	2500 - 3000		
43.70-44.12			Not sampled; core stored on property								

DATE May 22/77

LOGGED BY

W.I.N. *W.I.N. Nelson P. Eng.*

NORANDA EXPLORATION COMPANY, LIMITED

Collared	Completed	Core Size HQ-3	Property HYDRAULIC LAKE	Project No 61-J	NTS No.
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. 9973.38	Elev. 1260.46	Dip -90
Dep.	Depth	Bearing	Dep. 9342.94	Depth 62.79m	Bearing
					Sheet 2 of 3
					Hole No. NT-19

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.	TV-1			
44.12-45.12	95		<u>Pebble Conglomerate</u> ; coarse sand matrix; few tuff pebbles; minor coal	.5		P1435	1.00	4500			
45.12-46.12	100		<u>Coaly Sandstone</u> ; few Valhalls pebbles; minor sulfides	1.0		1436	1.00	9500			
46.12-47.12	100		<u>Pebble Conglomerate</u> ; sand matrix; mostly valhalla pebbles; some monashee and Kettle tuff pebbles; minor sulfide; minor coal;	1.0		1437	1.00	7400			
47.12 - 48.12	90		<u>As above</u> ; at 47.82, 10cm of altered tuff contains sulfides and an earthy emerald-green mineral; slightly more sulfides	2.0		1438	1.00	9200			
48.12-49.12	90		<u>As above</u> ; contains a few 2cm tuff pebbles altered to clay	2.0		1439	1.00	7000			
49.12-50.12	100		<u>As above</u> ; mostly Valhalla pebbles; less sulfides	1.0		1440	1.00	5800			
50.12-51.12	100		<u>As above</u> ; contains a few pebbles of black quartz; more sulfides	4.0		1441	1.00	6500			
51.12-52.12	100		<u>Pebble Conglomerate</u> ; sandy matrix; almost all pebbles of Valhalla	4.0		1442	1.00	7500			
52.12-52.53	100		<u>As above</u> ; less sulfides	1.0		1443	0.23	9000			
52.35-53.35	100		<u>As above</u> ;	1.0		1444	1.00	8700			
53.35-54.17	90		<u>Sandy Conglomerate</u> ; 2% coal as particles & bands; more sulfides	2.0		1445	0.82	17000			
54.17-55.17	10-		<u>As above</u> ; 4% coal	2.0		1446	1.00	18000			

DATE May 21/77

LOGGED BY LCR & W.I.N.

NORANDA EXPLORATION COMPANY, LIMITED

Collared		Completed		Core Size		Property			Project No		NTS No.		
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 3 of 3	
Lat.		Elev.		Dip		Lat.		Elev.		Dip		Hole No.	
Dep.		Depth		Bearing		Dep.		Depth		Bearing		NT-19	
Footage	Rec'y	Graphic Log	Description				% Sulp.	Est. Grade	Sample No.	Lt.	TV-1		
55.17-	100		Pebble Conglomerate; sandy matrix; all pebbles of Valhalla in various stages of decomposition; some sulfide matrix; some clay;				5.0		P1447	1.05	5500		
56.22													
56.22- 57.22	100 +		As above; sulfides occur in crude spheres (2cm dia.) and exhibit colloidal banding; very minor coal;				5.0		1448	1.00	6300		
57.22-	60		Decomposed Basement; leucocratic; sandy; less sulfides; apparent low recovery may be the result of a misplaced footage block by drillers.				2.0		1449	1.00	9200		
58.22													
58.22- 59.22	100		As above; sandy-clayey matrix; less sulfides;				1.0		1450	1.00	5000		
59.22- 62.79			Basement Valhalla chloritized; occasional heavy biotite;										
			END OF HOLE 62.79m										

NORANDA EXPLORATION COMPANY, LIMITED

Collared May 30/77	Completed June 2/77	Core Size BQ	Property Tye Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. 112+50N	Elev.	Dip Vertical
Dep.	Depth	Bearing	Dep. 87E	Depth 85.95	Bearing
			Hole No. NT-20		

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.				
0-8.23			Not sampled								
8.23-29.57			Black cuttings - basalt								
29.57-38.71			Gray Quartz - feldspar cuttings								
38.71-75.29			Greenish gray quartz feldspar cuttings								
75.29-81.38			Core quartz diorite - matrix dark green finer grain darker bands - chlorite rich bands								
			End of Hole at 85.95m = 282 feet								
			Cuttings and core all about background on TV-1								

DATE June 3/77 LOGGED BY W.I. Nelson *W.I. Nelson*

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 1/77	Completed June 3/77	Core Size BQ	Property Tyee-Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. 115 N	Elev.	Dip Vertical
Dep.	Depth 272 Feet	Bearing	Dep. 86E	Depth 82.91M	Bearing
					Hole No. NT-21

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.				
0-4.88			Not sampled								
4.88-20.12			Dark gray cuttings probably basalt								
20.12-23.16			" " " & rusty material probably basalt								
23.16-38.40			Dark gray cuttings probably basalt								
38.40-62.79			Dark greenish gray cuttings probably granitic								
62.79-78.03			Mostly lighter greenish gray cuttings								
78.03-82.91			Cuttings light greenish gray								
			End of Hole 82.91 meters or 272 feet								
			Hard after 71.93 meters								
			TV-1 all about back ground at 1000 c.p.m.								

DATE June 3/77 LOGGED BY W.I. Nelson *W.I. Nelson P. Eng*

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 3/77	Completed June 5/77	Core Size BQ	Property Tye Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. 110N	Elev.	Dip Vertical
Dep.	Depth 288 feet	Bearing	Dep. 87E	Depth 87.78M	Bearing
					Hole No. NT-22

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.						
0-8.23			Not sampled - overburden										
8.23-14.33			Black cuttings - basalt			TV-1 all about 1500	c.p.m.						
14.33-35.66			Dark gray quartz feldspar sand 5% black 1% green. Long narrow bron organic? Fragments 3-4mm long. Becomes lighter gray color toward 35.66										
35.66-38.71			No return										
38.71-87.78			Fine grain quartz feldspar sand few black specks by 47.85. Brown organic? Fragments still present										
			Hard after 82.30										
			End of Hole 87.78m = 288 feet										
			Drilled by P. Whitney Bullnose Bit - BQ										

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 4/77	Completed June 7/77	Core Size BQ	Property Tyee-Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. 126+50N	Elev.	Dip Vertical
Dep.	Depth 316 feet	Bearing	Dep. 80E	Depth 96.32m	Bearing
					Sheet 1 of 1
					Hole No. NT-23

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.				
0-1.83			No sample								
1.83-41.45			Basalt - dark gray cuttings & olivine								
41.45-44.50			Basalt - dark gray brown & olivine								
44.50-47.55			Greenish gray cuttings 40% green sand - some brown olivine Contact between basalt - basement probably in this section				44.50 - 47.55			1600 c.p.m. on TV-1	
47.55-53.64			Greenish gray cuttings. Trace sulphides definitely basement								
53.64-56.69			Gray cuttings								
56.69-59.74			Gray cuttings, trace sulphides								
59.74-62.79			Greenish gray cuttings trace sulphides								
62.79-65.84			Grey cuttings 10% black specks								
65.84-68.88			" " 5% " "								
68.88-81.08			Greenish gray cuttings trace sulphides								
81.08-84.13			Gray cuttings " "								
84.13-96.32			Greenish gray cuttings, trace sulphides 90 - 96.32 sulphides very fine grain								
			End of Hole 96.32m = 316 feet			TV-1 readings all 1000 - 1300 except 44.50 - 47.55m					
			Drilled by B. Mathieu BQ Bullnose Bit Never hard rock								

DATE June 10/77

LOGGED BY W.I. Nelson *W.I. Nelson P. Eng*

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 8/77	Completed June 11/77	Core Size N Tricone	Property Tye-Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. 111+50N	Elev.	Dip Vertical
Dep.	Depth 311 feet	Bearing	Dep. 85E	Depth 94.79m	Bearing
		Hole No. NT-24			

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.				
0-74.98			No cuttings returned to surface			TV-1 readings all equal to background					
74.98-84.12			Dark gray quartz feldspar sand								
84.12-93.27			Rusty quartz feldspar sand								
93.27-94.79			Rusty gray quartz feldspar sand								
			End of Hole 94.79m = 311 feet								
			Drilled by P. Whitney - N. Rods								
			Hit Hard Rock at 91.44m								

DATE June 11/77 LOGGED BY W.I. Nelson *W.I. Nelson P. Eng*

NORANDA EXPLORATION COMPANY, LIMITED

Drilled June/77	Completed June 13/77	Core Size N-Tricone	Property Tyee-Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
t.	Elev.	Dip	Lat. 128+50N	Elev.	Dip Vertical
p.	Depth 264'	Bearing	Dep. 77E	Depth 80.47M	Bearing
					Hole No. NT-25

Shotage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.		TV-1	back-ground
0.84			Glacial Till						c.p.m. 1200	1200
0.84-3.89			Fine grained, grey sand, qtz. & felds - 10% black, 5% rusty, 5% green grains						1200	
3.89-6.94			Same but with 5% pink grains						1200	
6.94-9.99			Fine grained, dark grey, qtz. & feld, 20% black, 10% green, 5% rusty, few pink grains						1200	
9.99-3.04			Same						1200	
3.04-6.08	Water is		Same						1200	
6.08-9.13	pink color		Same						1200	
9.13-2.18			Same						1200	
2.18-5.23			Same						1200	
5.23-8.28			Same						1200	
8.28-1.32			Same						1200	
1.32-4.37			Same						1200	
4.37-7.42	Water greenish		Fine grain, dark greenish grey, qtz. & feld sand, 5% black, 85% green, 5% white, 5% pink grains.						1200	
7.42-0.47	color		Fine grain, dark greenish grey, qtz. & feld sand, 5% black, 5% white, 10% rusty, 80% green Tr. pink grains						1200	
			End Of hole 80.47M drilled by Bernie Mathews with N-Tricones & Rods Hard rock at 46.94M and Harder at 74.37M							

DATE June 14/77

LOGGED BY

W.L. Nelson *W.L. Nelson P. Eng*

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 13/77		Completed June 14/77		Core Size N-Tricone		Property Tyee-Hydraulic			Project No 61		NTS No. 82E			
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 1 of 1		
Lat.		Elev.		Dip		Lat. 89+50N		Elev.		Dip Vertical		Hole No.		
Dep.		Depth 236'		Bearing		Dep. 96+50E		Depth 71.93M		Bearing		NT-26		
Footage	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.		TV-1	back-ground
0-12.19			Basalt										c.p.m.	1000
12.19-47.55			Not much return, cuttings not saved - soft grey material											
47.55-50.60			Fine grained, grey sand, qtz. & feldspar										1500	
50.60-53.64			Same										1500	
53.64-56.69			Fine grained, grey sand, qtz. & felds - 2% black, 1% rusty grains										1500	
56.69-59.74			" " " " " " - 1% black, 2% rusty grains										1500	
59.74-62.79			" " " " " " - 1% black, 2% rusty Tr. of green grains										1500	
62.79-65.84			" " " " " " - 1% black, 1% rusty										1500	
65.84-68.88			" " " " " " - Trace of black, Tr. green, Tr. rusty grains										1500	
68.88-71.93			Fine grained, layers of grey and layers of black sand, Qtz. & feld in grey and magnetite, in the black layers The black material is biotite										1200	
End of Hole: 71.93M														
Hit Hard Rock: 64.01M														
Drilled By Phil Whitney with N-Tricone														

DATE June 14, 1977

LOGGED BY W.I. Nelson *W.I. Nelson P. Eng*

NORANDA EXPLORATION COMPANY, LIMITED

Collared 15 June		Completed 16 June 77		Core Size N-Tricone		Property Tyee-Hydraulic			Project No 61		NTS No. 82E			
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 1 of 2		
Lat.		Elev.		Dip		Lat. 91 + 50N		Elev.		Dip Vertical		Hole No.		
Dep.		Depth 231'		Bearing		Dep. 95E		Depth		Bearing		NT-27		
Footage	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.		TV-1	back-
0-			No sample										c.p.m.	group
1.83													1200	1200
1.83-			Black cuttings - basalt										1000	
4.88														
4.88-			Same										1200	
7.92														
7.92-			Same										1200	
10.97														
10.97-			Fine grained, rusty grey Qtz. & feld sand										2000	
14.02														
14.02-			Fine grained, slightly rusty grey, Qtz. & feld sand, coal?										3000	
17.07														
17.07-			Fine grained, grey Qtz. & feld sand										1500	
20.12														
20.12-			Same										1500	
23.12														
23.12-			Same										1500	
26.21														
26.21-			Fine grained, grey Qtz. & feld sand -											
29.26			1% green grains										1800	
29.26-														
32.31			Same										1500	
32.31-			Fine grained, grey Qtz. & feld sand -											
35.36			Tr. green										1500	
35.36-			Fine grained, grey Qtz. & feld sand											
38.40			Tr. green										1500	
38.40-														
41.45			Same										2000	
41.45-														
44.50			Same										1500	

DATE 17 June 1977 LOGGED BY W.I. Nelson Wel Nelson Etc

NORANDA EXPLORATION COMPANY, LIMITED

Collared		Completed		Core Size		Property Tyee-Hydraulic		Project No 61		NTS No. 82E		
FIELD COORDINATES						SURVEYED COORDINATES						
Lat.		Elev.		Dip		Lat.		Elev.		Dip Vertical		
Dep.		Depth 231'		Bearing		Dep.		Depth		Bearing		
Footage	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.	TV-1
44.50- 47.55			Fine grained, grey Qtz. & feld sand - Tr. green									1500
47.55- 50.60			Same									2200
50.60- 53.64			Same									1500
53.64- 56.69			Fine grained, grey Qtz. & feld sand									1700
56.69- 59.74			Same									1500
59.74- 62.79			Same									1500
62.79- 65.84			Same									1200
65.84- 68.88			Fine grained, slightly darker grey Qtz. & feld sand, biotite present									1200
68.88- 70.41			Same									1200
			Hit Hard: 66.75M End of Hole: 70.41M									
			Drilled by Phil Whitney with N-Tricone & Rods									

DATE 17 June 1977 LOGGED BY W.I. Nelson

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 17/77		Completed June 18/77		Core Size N-Tricone		Property Tyee-Hydraulic			Project No 61		NTS No. 82E			
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 1 of 1		
Lat.		Elev.		Dip		Lat. 91+50N		Elev.		Dip Vertical		Hole No.		
Dep.		Depth 191 feet		Bearing		Dep. 92+50E		Depth 58.22M		Bearing		NT-28		
Footage	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.		TV-1	back-
0-1.83			Overburden										c.p.m.	ground 1000
1.83-4.88			Black cuttings - basalt										1000	
4.88-7.92			Same										1000	
7.92-10.97			Same										1500	
10.97-14.02			Black and gray cuttings end of basalt										2000	
14.02-17.07			Fine grain light gray quartz feldspar sand Tr. black, Tr. rusty										2000	
17.07-20.12			Same as above except, Tr. black, Tr. rusty										2000	
20.12-23.16			Same										2000	
23.16-26.21			Same as above except 10% rusty										2000	
26.21-29.26			Fine grain dark gray quartz feldspar sand 10% F.G. black 10% rusty										2000	
29.26-32.31			Same										2000	
32.31-50.60			No cuttings returned - probable conglomerate. Alternately hard and soft										-	
50.60-53.64			Fine grain gray brown quartz feldspar sand 2% rusty, 2% black (Biotite)?										2500	
53.64-56.69			Same										2000	
56.69-58.22			Same many steel particles										2000	

↑ Soft ↓
 ↓ Hard ↑

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 17/77	Completed June 18/77	Core Size N-Tricone	Property Tye Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. 121+50N	Elev.	Dip
Dep.	Depth 180 feet	Bearing	Dep. 78+50E	Depth 54.86M	Bearing
					Hole No. NT-29

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.	TV-1	back-ground
0-19.51			No samples - probable overburden					c.p.m.	1200
19.51-22.56			Fine grain light gray quartz feldspar sand 10% black, 5% rusty						
22.56-25.60			Medium grain dark gray quartz feldspar sand 25% black, 5% rusty					All Bags of Cuttings 1200 c.p.m.	
25.60-28.65			Fine grain light gray quartz feldspar sand 20% black, 5% rusty						
28.65-31.70			Fine grain light gray quartz feldspar sand 20% black, 5% rusty						
31.70-34.75			Same						
34.75-37.80			Same & trace green						
			No cuttings returned after 37.80						
			Drillers report boulders 45.72 - 49.99						
			Hard Rock At 49.99M						
			End of Hole 54.86M = 180 feet						
			Drilled by B. Mathieu						

DATE June 18, 1977 LOGGED BY W.I. Nelson *W.I. Nelson Eng.*

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 19/77		Completed June 20/77		Core Size N-Tricone		Property Tyee-Hydraulic			Project No 61		NTS No. 82E			
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 1 of 1		
Lat.		Elev.		Dip		Lat. 94N		Elev.		Dip Vertical		Hole No.		
Dep.		Depth 201'		Bearing		Dep. 93+50E		Depth 61.26M		Bearing		NT-30		
Footage	Rec'y	Graphic Log	Description				% Sulp.	Est. Grade	Sample No.	Lt.			TV-1	back-
0-			No sample										c.p.m.	groun
3.05													1500	1500
3.05-			Black cuttings - Basalt										1500	
4.88													1500	
4.88-			" " "										1500	
7.92													1500	
7.92-			Fine grained, light grey, Qtz. & feld sand;										1500	
10.97			1% black, 5% rusty										1700	
10.97-			Fine grained, brownis- grey, Qtz. & feld sand;										1700	
14.02			1% black, 20% rusty										-	
14.02-			No sample										-	
26.21													2000	
26.21-			Fine grained, dark grey, Qtz. & feld sand;										2000	
29.26			1% black, 1% rusty, coal? Tr. green										-	
29.26-			No sample										-	
61.26														
			Hit Hard At: 56.08M few boulders from 51.82 to 56.08											
			End of Hole: 61.26M											
			Drilled By Phil Whitney & Floyd with N-Tricone											

DATE June 20/77 LOGGED BY W.I. Nelson *W.I. Nelson P. Eng*

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 21/77	Completed June 22/77	Core Size N-Tricone	Property Tyee-Hydraulic	Project No 61	NTS No. 82E				
FIELD COORDINATES			SURVEYED COORDINATES						
Lat.	Elev.	Dip	Lat. 95N	Elev.	Dip Vertical				
Dep.	Depth 201'	Bearing	Dep. 93E	Depth 61.26	Bearing				
Hole No.	NT-31								
Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.	TV-1	back-ground
0-1.83			Overburden - No sample					c.p.m.	
1.83-4.88			Fine grained, black basalt					1200	
4.88-7.92			Same					1300	
7.92-10.97			Fine grained, brown sand					1500	
10.97-14.02			Fine grained, grey, Qtz. & feld sand - 1% black, 1% rusty, Tr. green grains					1500	
14.02-17.07			Same					1500	
17.07-20.12			Fine grained, grey, Qtz. & Feld sand - Tr. black, Tr. rusty grains					1700	
20.12-23.16			Fine grained, grey, Qtz. & Feld sand - 1% black, Tr. rusty grains					1700	
23.16-26.21			Fine grained, lighter grey, Qtz. & Feld sand - Tr. black, Tr. green, Tr. rusty grains					1700	
26.21-29.26			Same					1500	
29.26-32.31			Same					1700	
32.31-41.45			No return					-	
41.45-47.55			Very fine grained, light grey, Qtz. & Feld sand - Tr. black					2000	
47.55-53.64			Same but with coal					2500	
53.64-56.69			Same but with coal and reported as boulders					2000	

DATE June 23, 1977 LOGGED BY W.I. Nelson *W.I. Nelson P. Eng.*

NORANDA EXPLORATION COMPANY, LIMITED

Collared		Completed		Core Size		Property			Project No		NTS No.					
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 2 of 2				
Lat.		Elev.		Dip		Lat.		Elev.		Dip		Hole No.				
Dep.		Depth		Bearing		Dep.		Depth		Bearing		NT-31				
Footage	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.			TV-1	back:	
56.69-61.26			Same with no coal												c.p.m.	ground
			Last Four Bags Seem to Turn Brown When Exposed												1500	1200
			End of Hole: 61.26													
			Hard At: 188' or 57.30M													
			Drilled By Phil Whitney with N-Tricone & Rods													

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 21		Completed June 22/77		Core Size N-Tricone		Property Tyee-Hydraulic			Project No 61		NTS No. 82E			
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 1 of 1		
Lat.		Elev.		Dip		Lat. 9765N		Elev.		Dip Vertical		Hole No.		
Dep.		Depth		Bearing		Dep. 10262E		Depth 39.62		Bearing		NT-32		
Footage	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.		TV-1	back-
0-16.46			No sample										c.p.m.	ground 1500
16.46-19.51			Fine grained, grey brown, Qtz. & Feld sand										1500	
19.51-22.56			Same							OVERBURDEN			1200	
22.56-25.60			Same except cuttings are more rusty										1500	
25.60-28.65			No cuttings saved										-	
28.65-31.70			Fine grained, grey, Qtz. & Feld sand - 15% black, 1% green, 5% rusty grains										1500	
31.70-34.75			Same										1500	
34.75-37.80			Same except - 5% black, Tr. green, Tr. rusty grains										1500	
37.80-39.62			Same										1500	
			End of Hole: 39.62M											
			Driller reported very hard rock 29.26 - 39.62 (woreout 3 Tricone and 1 bullnose in this distance)											
			Drilled by Bernie Mathews with N-Tricone											

DATE June 23, 1977 LOGGED BY W.I. Nelson *W.I. Nelson Eng*

NORANDA EXPLORATION COMPANY, LIMITED

Collared	June 1977	Completed	June 24	Core Size	HQ-Tricone	Property	Tyee-Hydraulic	Project No	61	NTS No.	82E		
FIELD COORDINATES						SURVEYED COORDINATES							
Lat.	83+50N	Elev.		Dip		Lat.		Elev.		Dip	Vertical		
Dep.	126E	Depth	230'	Bearing		Dep.		Depth	70.10M	Bearing			
Hole No.	NT-33												
Footage	Rec'y	Graphic Log	Description				% Sulp.	Est. Grade	Sample No.	Lt.		TV-1	back-
0-			Overburden									c.p.m.	groun
21.32									(All	Bags	1500 or Less)		1500
21.32-			Basalt - cutting black but with considerable white felds and green particles										
65.23													
65.23-			Returned water reported white, cuttings 50% Qtz. & Feld sand. 40% black remainder is rusty or green										
70.10													
			End of Hole 70.10M										
			Harder At 65.23M										
			Drilled By Rosaire Beaupre with HQ Tricone & Rods										

DATE June 25, 1977 LOGGED BY W.I. Nelson W.I. Nelson P. Eng.

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 23/77	Completed June 23/77	Core Size N-Tricone	Property Tyee-Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat. 95N	Elev.	Dip	Lat. 95N	Elev.	Dip Vertical
Dep. 94E	Depth 183'	Bearing	Dep. 94E	Depth 55.78M	Bearing
					Hole No. NT-34

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.			TV-1	back-
0-9.14			Casing, no cuttings							c.p.m.	ground 1500
9.14-10.97			Fine grained, grey, Qtz. & Feld sand - 1% black, Tr. green, Coal present							1500	
10.97-14.02			Same							1700	
14.02-17.07			Same							1700	
17.07-20.12			Same but more coal present							2000	
20.12-23.16			Same							2000	
23.16-26.21			Same							2000	
26.21-29.26			Same with less coal present							2000	
29.26-32.31			Same but with Tr. coal present							2000	
32.31-35.36		One Bag									
35.36-38.40											
38.40-41.45			Same with some coal present							1800	
41.45-44.50			Same with no coal							2000	
44.50-47.55			Same with some coal							2000	
47.55-50.60			Same							1700	

DATE June 23/77 LOGGED BY W.I. Nelson *W.I. Nelson P. Eng*

NORANDA EXPLORATION COMPANY, LIMITED

Collared <u>June 23/77</u>		Completed <u>June 23/77</u>		Core Size <u>N-Tricone</u>		Property <u>Tyee-Hydraulic</u>			Project No <u>61</u>		NTS No. <u>82E</u>				
FIELD COORDINATES						SURVEYED COORDINATES						Sheet <u>2</u> of <u>2</u>			
Lat.		Elev.		Dip		Lat.		Elev.		Dip <u>Vertical</u>		Hole No.			
Dep.		Depth		Bearing		Dep.		Depth <u>55.78M</u>		Bearing		<u>NT-34</u>			
Footage	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.			TV-1	
<u>50.60-53.64</u>			<u>Fine grained, grey, Qtz. & Feld - 1% black, Tr. green grains</u>												<u>c.p.m. 2000</u>
<u>53.64-55.78</u>			<u>Same with Tr. coal</u>												<u>1700</u>
			<u>End Of Hole: 55.78M</u>												
			<u>Hit Hard At:</u>												
			<u>Drilled By Phil Whitney with N-Tricone & Rods</u>												
			<u>NB: (3 hours after drilling still making water)</u>												

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 25	Completed June 26	Core Size N-Tricone	Property Tye-Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat. 78N	Elev.	Dip	Lat.	Elev.	Dip Vertical
Dep. 115E	Depth 230'	Bearing	Dep.	Depth 70.10M	Bearing
					Hole No. NT-35

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.			TV-1	back-ground
0-4.88			No sample							c.p.m.	1500
4.88-7.92			Black cuttings, basalt, pink stain in water							1500	
7.92-10.97			" " " " " " " " , some bright red cuttings							1300	
10.97-14.02			Same							1300	
14.02-17.07			Same							1500	
17.07-20.12			Same							1300	
20.12-23.16			Still basalt but some grey-brown cuttings							1300	
23.16-26.21			Basalt with black, red & brown cuttings							1500	
26.21-29.26			Very fine grained, brown, basalt							1300	
29.26-32.31			Same							1300	
32.31-34.75			Fine grained, brown basalt, red stain in water							1300	
34.75-37.80			Fine grained, " " " " "							1300	
37.80-40.84			" " , black & brown basalt, red stain in water							1500	
40.84-43.89			" " , Water brownish, black cuttings, basalt							1500	
43.89-46.94			" " , Black cuttings, basalt							1500	

DATE June 27, 1977 LOGGED BY W.I. Nelson *W.I. Nelson PE*

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 25/77		Completed June 26/77		Core Size N-Tricone		Property Tyee-Hydraulic			Project No 61		NTS No. 82E		
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 2 of 2	
Lat. 78N		Elev.		Dip		Lat.		Elev.		Dip Vertical		Hole No.	
Dep. 115E		Depth 230'		Bearing		Dep.		Depth 70.10M		Bearing		NT-35	
Footage	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.		TV-1
46.94- 49.99			Fine grained, black cuttings, basalt										c.p.m. 1500
49.99- 53.04			Fine grained, dark green almost black cuttings basalt										1300
53.04- 56.08			Fine grained, dark grey, Qtz. & Feld sand - 10% black grains										1500
56.08- 59.13			Fine grained, mixture of black, greenish grey & brownish grey; Qtz. & Feld sand										1300
59.13- 62.18			Fine grained, mixture of grey & brownish grey, Qtz. & Feld sand, 5% black, 5% rusty										1700
62.18- 65.23			Fine grained, greenish grey, Qtz. & Feld sand - 5% black, 2% rusty, 1% green grains										1500
65.23- 68.28			Same as above except - 5% black, 1% green, Tr. rusty grains										1500
68.28- 70.10			Fine grained, light grey, Qtz. & Feld sand - 2% black, 1% rusty, Tr. green grains										1500
			End of Hole: 70.10M										
			Hit Hard: 65.84M; conglomerate from 54.86 to 65.84M										
			Drilled by Bernie Mathieu with N-Tricone & Rods										

DATE June 26/77 LOGGED BY W.I. Nelson

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 23/77	Completed June 24/77	Core Size N-Tricone	Property Tyee-Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat. 94N	Elev.	Dip	Lat.	Elev.	Dip Vertical
Dep. 94+50E	Depth 186'	Bearing	Dep.	Depth 56.69M	Bearing
					Hole No. NT-36

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.		TV-1	back-ground
0-1.83			No sample						c.p.m.	1700
1.83-4.88			Fine grained, grey, Qtz. & Feld sand - 1% black, Tr. green, Tr. rusty grains						1700	
4.88-7.92			Same as above except - 1% black, 1% green, Tr. rusty grains						1800	
7.92-10.97			Same as above except - 1% black, 1% green Tr. rusty grains						1800	
10.97-14.02			Same						1800	
14.02-17.07			Same						1800	
17.07-20.12			Same						2000	
20.12-23.16			Same but with coal?						2000	
23.16-26.21			Same but with coal?						2000	
26.21-29.26			Fine grained, grey, Qtz. & Feld sand - 1% black, 1% green, Tr. rusty grains						2000	
29.26-32.31			Same						2000	
32.31-35.36			Same as above except, rare rusty grains						2000	
35.36-38.40			Same						2000	
38.40-41.45			Same						1800	
41.45-44.50			Same as above except, trace black, 1% green, rare rusty						2000	

DATE June 25, 1977 LOGGED BY W.I. Nelson *W.I. Nelson P.Eng.*

NORANDA EXPLORATION COMPANY, LIMITED

Collared	Completed	Core Size N-Tricone	Property Tyee-Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat.	Elev.	Dip
Dep.	Depth 186'	Bearing	Dep.	Depth 56.69M	Bearing
					Hole No. NT-36

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.			TV-1
44.50-47.55			Fine grained, grey, Qtz. & Feld sand - 1% black, 1% green, rare rusty grains							c.p.m. 2000
47.55-50.60			Same as above except - Rare black, 1% green, rare rusty grains							2000
50.60-53.64			Fine grained, brownish grey, Qtz. & Feld sand - 1% black (poss. by biotite), 1% green, Tr. rusty grains							2000
53.64-56.69			Same as above except - 1% black (probably biotite) tr. green, 2% rusty							2000
			End Of Hole: 56.69M							
			Hard At: 21.32M a Few Boulders Before 21.32M							
			Drilled by Phil Whitney with N-Tricone & Rods							

DATE _____ LOGGED BY W.I. Nelson

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 25/77		Completed June 25/77		Core Size N-Tricone		Property Tyee-Hydraulic			Project No 61		NTS No. 82E			
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 1 of 1		
Lat. 96N		Elev.		Dip		Lat.		Elev.		Dip Vertical		Hole No.		
Dep. 93E		Depth 146'		Bearing		Dep.		Depth 44.50M		Bearing		NT-37		
Footage	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.		TV-1	back-
0-1.83			No sample										c.p.m.	groun 1500
1.83-4.88			Med. grained, orange & rusty, Qtz. & Feld sand - 1% black, Tr. green, grains										2000	
4.88-7.92			Fine grained, light grey, Qtz. & Feld sand - Tr. black, Tr. green, Tr. rusty grains										2000	
7.92-10.97			Fine grained, grey, Qtz. & Feld sand - Tr. black, 1% green, Tr. rusty, Tr. sulphides										2200	
10.97-14.02			Same as above except - Tr. black, 1% green, Tr. rusty, and coal										2500	
14.02-17.07			Same as above except - Tr. black, 1% green, Tr. rusty, Tr. sulphides										2200	
17.07-20.12			Same as above except - 1% black, 1% green, Tr. rusty and coal Tr. sulphides										2000	
20.12-23.16			Same as above except - Tr. black, Tr. green, Tr. rusty and coal, Tr. sulphides										2500	
23.16-26.21			Same as above except - Tr. black, Tr. green, coal is present										2300	
26.21-29.26			Same as above except - Tr. black, Tr. green, Tr. rusty, coal present										2200	
29.26-32.31			Same as above except - 1% black, Tr. green, Tr. rusty, coal present										2000	
32.31-35.36			Same as above except - Tr. black, Tr. green, Tr. rusty, coal present										2000	
35.36-38.40			Same as above except - Tr. black, Tr. green, Tr. rusty, coal present										2500	
38.40-41.45			Same as above except - Tr. black, Tr. green, Tr. rusty, and coal Tr. sulphides										3000	
41.45-44.50			Same as above except - Tr. black, Tr. green, Tr. rusty, coal present										3000	

End Of Hole: 44.50M - Sub Broke Drilled by Phil Whitney with N-Tricone & Rods
 Hole Ended in Boulders: 41.45 - 44.50; DATE June 26/77 LOGGED BY W.I. Nelson *W.I. Nelson*

NORANDA EXPLORATION COMPANY, LIMITED

Collared 25 June/77	Completed June 26/77	Core Size N-Tricone	Property Tye - Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat. 96N	Elev.	Dip	Lat.	Elev.	Dip Vertical
Dep. 93E	Depth 179'	Bearing	Dep.	Depth 54.56M	Bearing

Sheet 1 of 1
Hole No. NT-38

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.			TV-1
0-44.50			Samples not taken see hole R-37 for log							c.p.m.
44.50-47.55			Fine grained, greenish grey, Qtz. & Feld sand- Tr. black, Tr. rusty, Tr. green grains							2500
47.55-50.60			Same as above except - 1% black, 1% rusty, 1% green, coal							2200
50.60-53.64			Same							1800
53.64-54.56			Same							1800
			End of Hole: 54.56M							
			Hit Hard At: 44.50M							
			Drilled By Phil Whitney with N-Tricone & Rods							

DATE June 25, 1977 LOGGED BY W.I. Nelson *W.I. Nelson* Eng

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 26/77	Completed June 26/77	Core Size HQ-Tricone	Property Tyee-Hydraulic			Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES				Sheet 1 of 1
Lat. 83+50N	Elev.	Dip	Lat. 83+50N	Elev.	Dip Vertical	Hole No.	
Dep. 132E	Depth	Bearing	Dep. 132E	Depth 18.90M	Bearing	NT-39	

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.				
0-13.11			Overburden								
13.11-18.90			Fine grained, grey, Qtz. & Feld sand - mainly Qtz. - 5% black, 1% green, 1% rusty								
			End of Hole: 18.90M								
			Hit Hard: 13.11M								
			Drilled By Rosaire Beaupre with HQ-Tricone and Rods								

NORANDA EXPLORATION COMPANY, LIMITED

Collared 26 June		Completed 28 June/77		Core Size N-Tricone		Property Tyee-Hydraulic			Project No 61		NTS No. 82E			
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 1 of 1		
Lat. 76N		Elev.		Dip		Lat.		Elev.		Dip Vertical		Hole No. NT-40		
Dep. 110+50E		Depth 160'		Bearing		Dep.		Depth 48.77M		Bearing				
Footage	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.		TV-1	back-
0-10.36			No sample										c.p.m.	groun
10.36-13.41			Glacial till, fine grained, Qtz. & Feld sand										1500	
13.41-16.46			Fine grained, reddish brown, basalt, red water										1500	
16.46-19.51			Same										1100	
19.51-22.56			Same										1100	
22.56-25.60			Fine grained, grey black, basalt, light red water										1100	
25.60-28.65			Fine grained, black, basalt, pale red water										1100	
28.65-31.70			Same										1200	
31.70-34.75			Fine grained, very dark grey, probable dark monashee rock										1000	
34.75-37.80			Fine grained, dark grey, Qtz. & Feld sand, probable monashee rock, magnetite present										1500	
37.80-40.84			Same										1300	
40.84-43.89			Same										1000	
43.89-46.94			Same										1300	
46.94-48.77			Same										1000	
End of Hole: 48.77M hit hard: 33.53M Drilled by Bernie Mathieu with N-Tricone & Rods														

DATE 28 June 1977

LOGGED BY

W.I. Nelson *W.I. Nelson*

NORANDA EXPLORATION COMPANY, LIMITED

Collared 26 June/77		Completed 27 June/77		Core Size N-Tricone		Property Tye - Hydraulic			Project No 61		NTS No. 82E			
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 1 of 1		
Lat.		Elev.		Dip		Lat. 9400.82		Elev. 1263.65		Dip Vertical		Hole No.		
Dep.		Depth 151'		Bearing		Dep. 9257.35		Depth 46.02M		Bearing		NT - 41		
Footage	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.		TV-1	back-
0-0.92			Overburden										c.p.m.	groun
0.92-10.97			No sample - basalt to 10.06M										-	1200
10.97-14.02			Fine grained, dark grey, Qtz. & Feld sand - Tr. black, Tr. green, 1% rusty grains										1500	
14.02-17.07			Fine grained, grey, Qtz. & Feld sand - Tr. black, Tr. green, Tr. rusty grains										1500	
17.07-20.12			Same										1800	
20.12-23.16			Same as above except - 5% green, Tr. rusty grains										1500	
23.16-26.12			Fine grained, light grey, Qtz. & Feld sand - Tr. black, 2% green, Tr. rusty grains										1500	
26.12-29.26			Fine grained, greenish grey, Qtz. & Feld sand - Tr. black, 10% green, water is brown										1500	
29.26-32.31	Water is		Same										1300	
32.31-35.36	Brown		Fine grained, mixture of greenish grey & brownish grey, Qtz. & Feld sand - Tr. black, Tr. green, Tr. rusty, water is brown										1300	
35.36-38.40			Fine grained, light brownish grey, Qtz. & Feld sand, - Tr. black, Tr. green, Tr. rusty, water is brown										1300	
38.40-41.45			Fine grained, light brownish grey, Qtz. & Feld sand, Tr. black, Tr. green, 20% rusty, water is brown										1300	
41.45-44.50			Fine grained, light greenish grey, Qtz. & Feld sand - 5% black is very fine grained, 2% rusty gains, water is brown										1300	
44.50-46.02			Same										1300	
			End of Basalt: 0.92 - 10.06M											
			End of Hole: 46.02M Hit Hard at 41.45M Drilled by P. Whitney with N-Tricone											

DATE June 27, 1977

LOGGED BY

W.I. Nelson *W.I. Nelson P. Eng*

NORANDA EXPLORATION COMPANY, LIMITED

Collared 27 June/77	Completed 28 June/77	Core Size N-Tricone	Property Tyee - Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. 9649.06	Elev. 1243.69	Dip vertical
Dep.	Depth	Bearing	Dep. 9278.08	Depth 53.64	Bearing
					Sheet 1 of 2
					Hole No. NT-42

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.			TV-1	back-
0-1.83			No sample							c.p.m.	ground 1000
1.83-4.88			Very fine grained, dark grey, Qtz. & Feld sand - 5% black, 2% rusty grains							1200	
4.88-7.92			Fine grained, dark grey, Qtz. & Feld sand - 5% black, 5% rusty, 1% green & coal							1200	
7.92-10.97			Fine grained, grey, Qtz. & Feld sand - 5% black, 2% rusty, Tr. green and coal							1500	
10.97-14.02			Same as above except - 2% green, 1% rusty & coal							1500	
14.02-17.07			Same as above except - 1% black, Tr. green, Tr. rusty & coal							1700	
17.07-20.12			Same							1700	
20.12-23.16			Same as above except - Tr. black, Tr. rusty and coal							1800	
23.16-26.21			Same as above except - Tr. rusty, Tr. green, & coal							1800	
26.21-29.26			Same as above except - Tr. rusty, minor coal							1800	
29.26-32.31			Same as above except - Tr. green, & minor coal							2000	
32.31-35.36			Same as above except - coal present							1800	
35.36-38.40			Same as above except - Tr. black, Tr. green							2000	
38.40-41.45			Same as above except - Tr. black, Tr. green and coal							1700	
41.45-44.50			Same as above except. Tr. green, Tr. rusty, & coal							1800	

DATE 28 June 1977

LOGGED BY

W.I. Nelson *W.I. Nelson/Eng.*

NORANDA EXPLORATION COMPANY, LIMITED

Collared 27 June/77		Completed 28/June/77		Core Size N-Tricone		Property Tye - Hydraulic			Project No 61		NTS No. 82E		
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 2 of 2	
Lat.		Elev.		Dip		Lat.		Elev.		Dip vertical		Hole No.	
Dep.		Depth		Bearing		Dep.		Depth 53.64		Bearing		NT - 42	
Footage	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.		TV-1
44.50-47.55			Fine grained, slightly greenish grey, Qtz. & Feld sand - 1% black, Tr. green, Tr. rusty, and coal										c.p.m. 1800
47.55-50.60			Fine grained, light grey, Qtz. & Feld sand - magnetite present, calcopyrite? Tr. sulphides 5% black (biotite?) Tr. green Tr. rusty										1100
50.60-53.64			Fine grained, light grey, Qtz. & Feld sand - 1% black biotite, Tr. green, Tr. rusty, Tr. sulphides										1100
			End of Hole: 53.64M										
			Hard At: 42.67M Top part of hole soft then boulders? 33.53 - 42.67M										
			Drilled by Phil Whitney with N-Tricone & Rods										

NORANDA EXPLORATION COMPANY, LIMITED

FIELD COORDINATES			SURVEYED COORDINATES					Hole No.	
Lat.	Elev.	Dip	Lat.	Elev.	Dip	TV-1	back-ground		
Dep.	Depth	Bearing	Dep.	Depth	Bearing	c.p.m.			
Collared 29 June/77	Completed 30 June/77	Core Size N-Tricone	Property Tyee-Hydraulic			Project No 61	NTS No. 82E		
			87N		Vertical		Sheet 1 of 1		
	186'		97E	56.69			NT-43		
Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.		
0-3.05			Overburden					-	
3.05-15.85			Black fine grained basalt					1200	
15.85-56.69			No return					-	
			End of Hole: 56.69						
			Hit Hard: 51.21M						
			Drilled by Phil Whitney with N-Tricone						

DATE 30 June 1977 LOGGED BY W.I. Nelson *W.I. Nelson* Eng

NORANDA EXPLORATION COMPANY, LIMITED

Collared <u>29 June/77</u>		Completed <u>29/June77</u>		Core Size <u>N-Tricone</u>		Property <u>Tyee-Hydraulic</u>			Project No <u>61</u>		NTS No. <u>82E</u>			
FIELD COORDINATES						SURVEYED COORDINATES						Sheet <u>1</u> of <u>1</u>		
Lat.		Elev.		Dip		Lat. <u>94+75N</u>		Elev.		Dip <u>Vertical</u>		Hole No.		
Dep.		Depth <u>60'</u>		Bearing		Dep. <u>98+75E</u>		Depth <u>18.29M</u>		Bearing		<u>NT-44</u>		
Footage	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.		TV-1	back-
0- 12.19			Overburden										c.p.m.	groun
12.19- 13.41			Fine grained, grey, Qtz. & Feldspar - 10% black, 1% green, 1% rusty grains										-	1500
13.41- 16.46			Same											1700
16.46- 18.29			Same											1600
			End of Hole: 18.29M											
			12.19 - 13.41M Driller reports soft drilling											
			13.41 - 18.29 Very Hard Drilling											
			Drilled by Bernie Mathieu with N-Tricone											

DATE 29 June 1977 LOGGED BY W.I. Nelson *W.I. Nelson Eng*

NORANDA EXPLORATION COMPANY, LIMITED

Collared Aug. 11/77	Completed Aug. 13/77	Core Size NQ	Property Tye - Hydraulic	Project No 61	NTS No. 82E/NW
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. 9950.47	Elev. 1258.43	Dip Vertical
Dep.	Depth	Bearing	Dep. 9324.27	Depth 63.09M	Bearing
					Hole No. NT-45

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.			TV-1
0-15.24			Drilled by Tricone Bit - No core saved							C.p.m.
15.24-29.57	100%		Glacial till mainly granitic pebbled one basalt boulder 17cm - others up to 10cm							1000 - 2000
29.57-32.00	100%		Conglomerate, boulders light gray to dark gray mainly granitic. All boulders less than 5cm							1500 - 2000
32.00-33.53	100%		Same							1500 - 2000
33.53-35.43	50%		Same							2000
35.43-36.43	90%		Conglomerate. Boulders gray to dark gray mainly granitic. All boulders less than 5cm							1800 - 2700
36.43-37.43	90%		Same. Maximum pebble size 6cm							2200 - 2700
37.43-38.43	100%		Same. Gray to black. Less than 5cm							1500 - 2000
38.43-39.43	100%		Same. Gray to dark gray, one 10cm boulder, remainder less than 5cm							2000 - 3000
39.43-40.43	100%		Same. Gray to dark gray, mainly fine grain gray maximum 5cm							2200
40.43-41.43	100%		Same. Mainly fine grain dark gray minor coal							3000 - 5000
41.43-42.43	100%		Same. Gray to dark gray 41.43 - 41.80 fine grain							2500 - 4000
42.43-43.43	100%		Same. Mainly fine grain dark gray one 10cm boulder							2000 - 3000
43.43-44.43	50%		Same. Dark gray maximum 5cm boulders							2500 - 4000
44.43-45.43	100%		Same. Gray to black boulders up to 10cm							2000 - 25000

DATE Aug. 16/77

LOGGED BY W.I. Nelson *W.I. Nelson P. Eng*

NORANDA EXPLORATION COMPANY, LIMITED

Collared		Completed		Core Size		Property Type - Hydraulic			Project No		NTS No.			
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 2 of 2		
Lat.		Elev.		Dip		Lat.		Elev.		Dip		Hole No.		
Dep.		Depth		Bearing		Dep.		Depth		Bearing		NT-45		
Footage	Rec'y	Graphic Log	Description				% Sulp.	Est. Grade	Sample No.	Lt.			TV-1	
45.43-46.43	100%		Conglomerate. Gray to dark gray and black boulders up to 10 - 15cm trace of marcasite										2000 - 28000	
46.43-47.43	100%		Conglomerate. Gary to dark gray mostly less than 5cm										2000 - 35000	
47.43-48.43	100%		Same: Gray 1% marcasite										2000 - 2500	
48.43-49.43	100%		Same: Gray boulders up to 10cm										2000 - 2500	
49.43-50.43	100%		Same: Boulders mainly dark gray boulders up to 10cm							mainly at 50.10			2000 - 6500	
50.43-51.43	100%		Same: Gray to dark brown fine grain some boulders up to 10cm								mainly		3000	
51.43-52.43	100%		Same: boulders up to 8cm gray - black minor coal								highest		1500 - 4500	
52.43-53.34	100%		Greenish andesite - soft - kaolinized pebbles up to 5cm										1700	
53.34-63.09	100%		Probable monashee. Mostly greenish. Less kaolinized toward 63.09										1500	
			End of Hole 63.09M = 207 feet											

DATE Aug. 15/77 LOGGED BY W.I. Nelson

NORANDA EXPLORATION COMPANY, LIMITED

Collared 18 Aug./77	Completed 20 Aug. 77	Core Size HQ 3	Property Tyee - Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. 9924.71	Elev. 1258.45	Dip -90°
Dep.	Depth	Bearing	Dep. 9305.15	Depth 58.22m	Bearing
					Sheet 1 of 2
					Hole No. NT-46

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.	Bag Count (cpm)
0-15.24			Tricone; no core					
15.24-30.60	100		Overburden; soil matrix; some basalt bounders;					
30.60-37.27	100		Pebble Conglomerate; polymictic; most pebbles less than 2cm; grey arkosic matrix;					
37.27-38.27	60		As above; some 10cm cobbles; brown matrix;			J5726	1.0	5500
38.27-39.27	50		As above; one 10 cm. Black quartz cobble;			J5727	1.0	6500
39.27-40.27	20		Pebble conglomerate; pebbles of clear Qtz., white Qtz., black Qtz., and Valhalla granite; grey arkosic matrix;			J5728	1.0	4000
40.27-41.27			minor clay particles and sulfide particles in matrix;					
41.27-42.27	65		Sandstone; arkosic; most Qtz. grains black; few Qtz. Valhalla pebbles; (ma)	5		J2529	1.0	7000
42.27-43.27	100		As above; not so many black Qtz., pebbles; some coal particals; (ma)	5		J5730	1.0	8000
43.27-44.27	100		Pebble conglomerate; Qtz. and Valhalla pebbles less than 3cm; coal; (ma)	10		J5731	1.0	7000
44.27-45.27	60		As above; pebbles less than 1cm; sand sections; coal; (ma)	15		J5732	1.0	7500
45.27-46.27	80		As above; (ma)	10		J5733	1.0	7000
46.27-47.27	90		As above; less sulfide; (ma)	2		J5734	1.0	5500
47.27-48.27	70		Sandstone; coarse grained; arkosic; few Qtz. pebbles; coal partings; (ma)	2		J5735	1.0	5000
48.27-49.27	100		As above; more sulfide; coal; (ma)	5		J5736	1.0	8000

DATE Aug. 22/77 LOGGED BY LCR, WIN *W. Nelson P. Eng.*

NORANDA EXPLORATION COMPANY, LIMITED

Collared		Completed	Core Size	Property Tyee - Hydraulic			Project No 61	NTS No.		
FIELD COORDINATES				SURVEYED COORDINATES				Sheet 2 of 2		
Lat.		Elev.	Dip	Lat.		Elev.	Dip		Hole No.	
Dep.		Depth	Bearing	Dep.		Depth 58.22	Bearing		NT-46	
Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.	Bag Count (cpm)		
48.27 49.27	85		Pebble conglomerate: grey arkosic matrix; minor coal sulfides in matrix; pebbles less than 3cm; (ma)	10		J5737	1.0	22,000		
49.27- 50.27	65		As above: sulfide matrix; pebbles less than 1.5cm (ma)	30		J5738	1.0	31,000		
50.27-	100		As above: more sulfides; fewer pebbles; mostly Qtz. pebbles; appearance of massive sulfides; pebbles less than 1cm;	50		J5739	1.0	55,000		
51.27-	100		As above:	50		J5740	1.0	100,000		
52.27- 53.19	100		Valhalla Basement: very soft and crumbly; highly chloritized; greenish; very (minor) sulfides; (py)	1						
53.19- 53.34	100		Sand arkosic; brown; (ma)	2		J5743	1.5	17,000		
53.34- 58.22	100		Valhalla Basement: chloritized; pale green to pink;	1						
			END OF HOLE: 58.22m							
			AW RODS LEFT IN HOLE							

NORANDA EXPLORATION COMPANY, LIMITED

Collared 19 Mar. 77	Completed 24 Mar. 77	Core Size Tricone H0	Property Tye Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat. 100+00N	Elev. -	Dip -90°	Lat. 10001.73N	Elev. 1262.99	Dip Vertical
Dep. 94+50E	Depth 214 Feet	Bearing -	Dep. 9447.45E	Depth 65.23m	Bearing
					Sheet 1 of 2
					Hole No. R-18

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.	TV-1	C.P.M.
0-15.24			No Samples						
15.24-18.29			Gray glacial till						1200
18.29-21.34			" " " 20%						1200
21.34-24.38			" " " 30% black						1500
24.38-27.43			" " " 30% black 10% green specks						2000
27.43-30.48			Arkosic sand-gray Quartz and Feldspar 5% black few green specks						1500
30.48-33.53			Same 10% black " "						1800
33.53-36.58			Arkosic sand greenish gray. 10% black few green Quartz and feldspar finer grain						1500
36.58-39.62			Same 10% black 5% green						1800
39.62-42.67			Arkosic sand gray. Fine Grain Quartz and feldspar. Coal 5% black 5% green						2500
42.67-45.72			Arkosic sand, gray fine grain Quartz and feldspar 5% black few green						2300
45.72-48.77			Arkosic sand, gray coarse grain 5% black few green						2000
48.77-51.82			Same " " " "						2000
51.82-54.86			Same Coal? " " " "						1800
54.86-57.91			Same brown water few rusty specks						1500

DATE May 24, 1977 LOGGED BY W.I.N. Welf Nelson P. Eng.

NORANDA EXPLORATION COMPANY, LIMITED

Collared		Completed	Core Size	Property	Project No	NTS No.
FIELD COORDINATES				SURVEYED COORDINATES		Sheet 2 of 2
Lat.	Elev.	Dip	Lat.	Elev.	Dip	Hole No.
Dep.	Depth	Bearing	Dep.	Depth	Bearing	R-18

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.		TV-1	C.P.M.
57.91 60.96			Same few rusty grains							1800
60.96 64.01			Same 10% black - probably coal few green							2000
64.01 65.23			Greenish Gray, fine grain 5% black, few green specks							2000
			END OF HOLE 214 Feet 65.23 meters							
			Driller report Bedrock at 63.70 meters							

DATE May 24, 1977 LOGGED BY W.I.N. Wd Nelson P.Eng.

NORANDA EXPLORATION COMPANY, LIMITED

Collared <u>May 19/77</u>	Completed <u>May 29/77</u>	Core Size <u>NW</u>	Property	Project No <u>61</u>	NTS No.
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. <u>9900.96</u>	Elev. <u>1258.02</u>	Dip <u>Vertical</u>
Dep.	Depth <u>234 Ft.</u>	Bearing	Dep. <u>9399.46</u>	Depth <u>71.32M</u>	Bearing
					Sheet <u>1</u> of <u>2</u>
					Hole No. <u>R-19</u>

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.	TV-1 (cpm)
0-18.29			No sample					
18.29-21.32			Grey brown glacial till					1500
21.32-24.38			Grey, quartz and feldspar sand, 10% black specks, 5% rusty specks coal					1500
24.38-27.43			Grey, quartz and feldspar sand, 10% black specks, plant remains, 2% rusty					1500
27.43-30.48			Quartz and feldspar sand, 5% black specks, 1% sulphides					1200
30.48-33.53			Quartz and feldspar sand, 2% black specks, 1% green, tr. sulphides					1500
33.53-36.58			Same					1500
36.58-39.62			Same					1500
39.62-42.67			Quartz and feldspar sand, 1% black, Tr. green, Tr. rusty, Tr. sulphides					1500
42.67-45.72			Quartz and feldspar sand, Tr. black, Tr. green, Tr. rusty, Tr. sulphides					1500
45.72-48.77			Quartz and feldspar sand					1700
48.77-51.82			" " " " , Tr. black specks					2000
51.82-54.86			" " " " , " " "					2000
54.86-57.91			Dark grey quartz and feldspar, 25% sulphides, (marcasite)					2700
57.91-60.96			" " " " " , 50% sulphides, (marcasite)					5000

DATE May 29, 1977 LOGGED BY W.I. Nelson W.I. Nelson P.Eng

NORANDA EXPLORATION COMPANY, LIMITED

Collared May 19/77	Completed May 29/77	Core Size NW	Property Tyee Hydraulic			Project No 61	NTS No. 82E
FIELD COORDINATES				SURVEYED COORDINATES			Sheet 2 of 2
Lat.	Elev.	Dip	Lat. 9900.96	Elev. 1258.02	Dip Vertical		Hole No.
Dep.	Depth 234 Ft.	Bearing	Dep. 9399.46	Depth 71.32M	Bearing		R-19

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.	TV-1
60.96-64.01			Grey fine grain quartz and feldspar, bands of 10% sulphides					(cpm) 3000
64.01-67.06			Grey med. grain, quartz and feldspar, 5% black, 2% green, 1% sulphides					2500
67.06-70.10			Greenish grey, coarse grain, qtz.-felds, 5% green specks, Tr. sulphides					2000
70.10-71.32			Greenish grey, coarse grain, mostly feldspar, 10% green, Tr. sulphides					2000
			Bedrock: 68.88M End of Hole: 71.32M					
			NW Rods. Drilled by P. Linnenback					

DATE May 29, 1977 LOGGED BY W. I. Nelson *W. I. Nelson P. Eng.*

NORANDA EXPLORATION COMPANY, LIMITED

Collared May 25/77	Completed May 26/77	Core Size HQ-Tricone	Property Tyee Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. 9949.48	Elev. 1262.18	Dip Vertical
Dep.	Depth	Bearing	Dep. 9499.47	Depth 57.91M	Bearing
					Hole No. R-20

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.		TV-1 (cpm)
0-15.24			No sample						
15.24-18.29			Glacial till, greyish brown, 25% black specks, few green specks						1500
18.29-21.34			Same						1200
21.34-24.38			Grey sand, Qtz. and feld, 30% black specks, few green specks, few rusty specks						1300
24.38-27.43			Grey sand, Qtz and feld, 20% black specks, more rusty specks						1300
27.43-30.48			Grey sand, Qtz. and feld, finer grained, 10% black specks, few green specks, 5% rusty specks						1500
30.48-33.53			Grey sand, Qtz. and feld, coarser grain, 20% black specks, few green specks, 10% rusty specks						1700
33.53-36.58			Grey sand, Qtz. and feld, finer grained, 5% black specks, 1% green specks, 1% rusty specks						1500
36.58-39.62			Grey sand, Qtz. and feld, finer grained, 5% black specks, 1% rusty specks, coal						2500
39.62-42.67			Grey sand, Qtz. and feld, finer grained, 5% black specks, 1% rusty specks, coal						3000
42.67-45.72			Grey sand, Qtz. and feld, coarser grained, 5% black specks, few green specks, few rusty specks, more coal						3000
45.72-48.77			Brownish grey sand, Qtz. and feld, fine grained, 5% black specks, 1% green specks, 1% rusty specks						2000
48.77-51.82			Brownish grey sand, Qtz. and feld, coarser grain, 10% black specks, few green specks, 2% rusty specks						2000
51.82-54.86			Brownish grey sand, Qtz. and feld, finer grain, 2% black specks, 1% green specks, 1% rusty specks						1800
54.86-57.91			Brownish grey sand, Qtz. and feld, med. grained, 5% black specks, 5% green specks, 5% rusty specks						1500

End Of Hole: 57.91M

DATE May 27, 1977

LOGGED BY W.I. Nelson *W.I. Nelson Peng*

NORANDA EXPLORATION COMPANY, LIMITED

Collared May 26/77		Completed May 27/77		Core Size HQ Tricone		Property Tye Hydraulic			Project No 61		NTS No. 82E		
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 1 of 2	
Lat.		Elev.		Dip		Lat. 9999.23		Elev. 1262.52		Dip Vertical		Hole No.	
Dep.		Depth		Bearing		Dep. 9398.11		Depth 68.28M		Bearing		R-21	
Footage	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.		TV-1
0-15.24			No sample										
15.24-18.29			Grey glacial till 20% black specks										1500
18.29-21.34			Grey glacial till 20% black specks, 5% green specks, few rusty specks										2000
21.34-24.38			Light grey sand, Qtz. & feld, 5% black specks; 1% green specks, few rusty specks										2500
24.38-27.43			Light grey sand; Qtz. & feld; coarse grained, 2% black specks, 2% green specks, 1% rusty specks										2000
27.43-30.48			Light grey sand; Qtz. and felds; finer grain; 1% black specks, 1% green specks; 1% rusty specks; very fine grained sulphides										2000
30.48-33.53			Light grey sand, Qtz. & felds, med. grained, trace of black-green rusty specks, very fine grained sulphides										2200
33.53-36.58			Light grey sand, Qtz & feld; med. grained, trace of Black-green rusty specks, less sulphides										2500
36.58-39.62			Light grey sand, Qtz. & feld, med grained; trace of black green rusty specks; little sulphides, coal present										2500
39.62-42.67			Light grey sand, Qtz. & feld, med. grained, trace of black-green rusty specks; little sulphides										3000
42.67-45.72			Light grey sand, Qtz. & feld, med. grained, 1% green specks, more sulphides										2700
45.72-48.77			Light grey sand, Qtz. & feld, fine grained, coal and sulphides present										2700
48.77-51.82			Grey sand, Qtz. and feld, fine grained to coarse; 1% black specks; 1% green specks, sulphides present										3000
51.82-54.86			Darker grey sand; Qtz. & feld, med. grained; 2% sulphides										3000
54.86-57.91			Darker grey sand; Qtz. & feld, fine grained, 1% black specks, coal, trace green, trace of sulphides										3000

DATE May 28, 1977

LOGGED BY

W. I. Nelson *W. I. Nelson P. Eng.*

NORANDA EXPLORATION COMPANY, LIMITED

Collared May 26/77	Completed May 27/77	Core Size HQ-Tricone	Property Tyce-Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat.	Elev.	Dip Vertical
Dep.	Depth	Bearing	Dep.	Depth	Bearing
					Hole No. R-21

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.				TV-1
57.91-60.96			Dark grey, quartz & feldspar, fine grained sand; 10% sulphides								3000
60.96-64.01			Black sand, Qtz. & felds, fine grained; 40% sulphides								6000
64.01-67.06			Dark grey sand; Qtz. & feld; med. grained; 5% sulphides								3500
67.06-68.28			Light brownish grey sand; Qtz. & feld; fine grained; 1% sulphides								1700
			BEDROCK AT: 64.01M END OF HOLE: 68.28M								

DATE _____ LOGGED BY W.I. Nelson *W.I. Nelson P. Eng.*

NORANDA EXPLORATION COMPANY, LIMITED

Collared May28/77	Completed May29/77	Core Size HQ-Tricone	Property Tyee-Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. 9948.41	Elev. 1259.29	Dip Vertical
Dep.	Depth	Bearing	Dep. 9452.46	Depth 62.18M	Bearing
					Hole No. R-22

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.	TV-1 (cpm)
0-15.24			No sample					
15.24-18.29			Brownish grey glacial till, 40% black specks					1000
18.29-21.34			Same					1000
21.34-24.38			Same					1000
24.38-27.43			Quartz and feld sand, dark grey, 25% black specks, 1% green, few rusty					1700
27.43-30.48			Quartz and feld sand, dark grey, fine grain, 15% black specks					1500
30.48-33.53			Same, 1% rusty					1500
33.53-36.58			Same, 2% green, few rusty					1800
36.58-39.62			Same, few green coal					2000
39.62-42.67			Same, 5% black, few rusty					2000
42.67-45.72			Same, 5% black, 1% green, few rusty					2000
45.72-48.77			Same, 5% black, few green, few rusty					2000
48.77-51.82			Same, Less than 5% black, few green, few rusty trace sulphide					2000
51.82-54.86			Same					2500
54.86-57.91			Same, greenish grey, less than 5% black, 10% green					1800

DATE May 29, 1977

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NORANDA EXPLORATION COMPANY, LIMITED

Collared May 28/77	Completed May 29/77	Core Size HQ-Tricone	Property Tyee-Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. 9948.41	Elev. 1259.29	Dip Vertical
Dep.	Depth	Bearing	Dep. 9452.46	Depth 62.18M	Bearing

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.			TV-1 (cpm)
57.91- 60.96			Quartz & feld sand, dark grey, med. grained, 5% black, 2% green specks							1700
60.96- 62.18			Quartz & felds sand, greenish grey, med. grained, 5 % black, 10% green specks							1800
			HARD ROCK: 59.74 END OF HOLE: 62.18							

DATE May 29/77 LOGGED BY W.I. Nelson Wel Nelson Perq.

NORANDA EXPLORATION COMPANY, LIMITED

Collared May 30/77	Completed May 30/77	Core Size HQ-Tricone	Property Tye-Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. 10052.25	Elev. 1267.03	Dip Vertical
Dep.	Depth 224 feet	Bearing	Dep. 9496.72	Depth 68.28m	Bearing
					Hole No. R-23

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.		TV-1 (cpm)	Back-ground 1000
0-15.24			No samples							
15.24-18.29			Gray glacial till. 30% black specks						1000	
18.29-21.34			Fine grain quartz - feldspar sand brownish gray cream colored 10% black specks						1300	
21.34-24.38			Fine grain quartz - feldspar sand. Light gray color, water is gray brown specks						1200	
24.38-27.43			Fine grain quartz-feldspar sand. Cream colored layers rusty brown 5% black specks						1000	
27.43-30.48			Medium grain quartz - feldspar sand. Cream colored 10% rusty 10% black specks						1000	
30.48-33.53			Coarse grain quartz-feldspar sand. Gray brown color. 10% rusty 10% black specks						1000	
33.53-36.58			Same						1100	
36.58-39.62			Same except cream color						1000	
39.62-42.67			Medium grain quartz-feldspar sand. Mostly rusty 10% black specks						1200	
42.67-45.72			Fine grain quartz-feldspar sand. Cream color 5% rusty 10% black trace sulphides						1200	
45.72-48.77			Coarse grain quartz-feldspar sand gray color 5% rusty 10% black						1200	
48.77-51.82			Coarse grain quartz-feldspar sand gray color 5% black						1500	
51.82-54.86			Same						1200	
54.86-57.91			Medium grain quartz-feldspar sand 5% rusty 5% black						1000	

DATE May 31/77

LOGGED BY

W.I. Nelson *W.I. Nelson P.Eng.*

NORANDA EXPLORATION COMPANY, LIMITED

Collared			Completed			Core Size			Property			Project No			NTS No.					
FIELD COORDINATES									SURVEYED COORDINATES									Sheet 2 of 2		
Lat.			Elev.			Dip			Lat.			Elev.			Dip			Hole No.		
Dep.			Depth			Bearing			Dep.			Depth			Bearing			R-23		
Footage	Rec'y	Graphic Log	Description							% Sulp.	Est. Grade	Sample No.	Lt.				TV-1 (cpm)			
57.91- 60.96			Fine grain quartz-feldspar sand. Brownish cream color 5% black 5% rusty															1000		
60.96- 64.01			Medium grain quartz-feldspar sand gray color 5% black 5% rusty															1000		
64.01- 67.06			Fine grain quartz feldspar sand. Gray color 1% black 1% rusty															1000		
67.06- 68.28			Fine grain quartz feldspar sand gray with greenish gray and brownish gray bands, 1% black 5% rusty															1200		
			Basement probably at 60.96M																	
			End of Hole 68.28M = 224 Feet																	

NORANDA EXPLORATION COMPANY, LIMITED

Collared May 30/77		Completed May 31/77		Core Size NW Tricone		Property Tyee Hydraulic			Project No 61		NTS No. 82E		
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 1 of 1	
Lat.		Elev.		Dip		Lat. 9850.02		Elev. 1255.91 1255.01ground		Dip Vertical		Hole No.	
Dep.		Depth 170 feet		Bearing		Dep. 9499.66		Depth 51.82M		Bearing		R-24	
Footage	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.		TV-1 (C.P.M.)
0- 21.32			No samples										
21.32- 24.38			Glacial Till										700
24.38- 27.43			Glacial Till										700
27.43- 30.48			Coarse grain - fine grain quartz-feldspar sand gray color 10% black specks										700
30.48- 33.53			Same " " "										700
33.53- 36.58			Same 5% Black Specks										700
36.58- 39.62			Same " " "										700
39.62- 42.67			Same 5% rusty " " "										700
42.67- 45.72			Same " " "										700
45.72- 48.77			Same " " "										700
48.77- 51.82			Brownish gray, much coarser quartz-feldspar sand 15% black specks coarse grain up to 5m.m.										700
			End of Hole 51.82M = 120 feet										Background 700
			Hard Rock at 47.24M										
			Drilled with NW rods by Phil Linnenback										

DATE June 1/77

LOGGED BY W.I. Nelson *W.I. Nelson P.Eng.*

NORANDA EXPLORATION COMPANY, LIMITED

Collared <u>May 31/77</u>	Completed <u>June 1/77</u>	Core Size <u>HQ Tricone</u>	Property <u>Tyce Hydraulic</u>	Project No <u>61</u>	NTS No. <u>82E</u>
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. <u>10000.85</u>	Elev. <u>1264.34</u>	Dip <u>Vertical</u>
Dep.	Depth <u>230 feet</u>	Bearing	Dep. <u>9350.59</u>	Depth <u>70.10M</u>	Bearing
					Hole No. <u>R-25</u>

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.		TV-1
0-15.24			Cuttings not saved						c.p.m.
15.24-18.29			Dark gray glacial till						1200
18.29-21.32			Same						1200
21.32-24.38			Same						1500
24.38-27.43			Coarse grain quartz feldspar sand, gray color 20% black 5% rusty 1% green						1500
27.43-30.48			Finer grained quartz feldspar sand gray color 10% black 5% rusty 1% green trace sulphides						1700
30.48-33.53			Coarse grain quartz feldspar sand gray color 10% black 5% rusty 1% green trace sulphides						2000
33.53-36.58			Coarse grain quartz feldspar gray color 5% black 1% rusty 1% green trace sulphides						2000
36.58-39.62			Coarse grain quartz feldspar sand light gray color 5% black 1% rusty 1% green 1% sulphides						2000
39.62-42.67			Coarser grained quartz feldspar sand light gray color 10% black 1% rusty 1% green trace sulphides						2500
42.67-45.72			Coarse grain quartz feldspar sand light gray color 5% black 1% rusty 2% green trace sulphides						2300
45.72-48.77			Coarse grain quartz feldspar sand light gray color 5% black 1% rusty 1% green trace sulphides						2500
48.77-51.82			Finer grained quartz feldspar sand light gray color. Large sample due to reaming 5% black 1% rusty 1% green trace sulphides						2500
51.82-54.86			Fine grain quartz feldspar sand light gray color 5% black 1% rusty 1% green trace sulphides						2500
54.86-57.91			Fine grain quartz feldspar sand light gray color 5% black (coal) tr. rusty tr. green						3000

DATE June 1/77 LOGGED BY W.I. Nelson *W.I. Nelson P.Eng.*

NORANDA EXPLORATION COMPANY, LIMITED

Collared		Completed		Core Size		Property				Project No		NTS No.		
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 2 of 2		
Lat.		Elev.		Dip		Lat.		Elev.		Dip		Hole No.		
Dep.		Depth		Bearing		Dep.		Depth		Bearing		R-25		
Footage	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.			TV-1
57.91-60.96			Fine grain quartz feldspar sand light gray color 5% black (coal) Tr rusty 1% green Tr sulphides											c.p.m. 3500
60.96-64.01			Coarse grain quartz feldspar sand light gray color 2% black Tr rusty 1% green Tr sulphides pyrite present											4000
64.01-67.06			Fine grain quartz feldspar sand light gray color. Brown water 2% black Tr rusty 1% green Tr sulphides											2500
67.06-70.10			Coarse grain quartz feldspar sand light gray color 2% black Tr rusty 1% green Tr sulphides											2000
			End of Hole 70.10M or 230 feet											
			Hard Rock											
			HQ rods drilled by R. Beaupre											

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 1/77	Completed June 1/77	Core Size NW Tricone	Property Tye Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. 9950.26	Elev. 1262.20	Dip Vertical
Dep.	Depth 225 Feet	Bearing	Dep. 9399.08	Depth 68.58M	Bearing
					Sheet 1 of 2
					Hole No. R-26

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.		TV-1
0-18.29			No sample						(c.p.m.)
18.29-21.34			Glacial till some coarse chips						1200
21.34-24.38			Same						1200
24.38-27.43			Same						1500
27.43-30.48			Grey Qtz. & feld sand, med grained, 5% black specks						1500
30.48-33.53			Same						1500
33.53-36.58			Same " " coarse grained " "						1700
36.58-39.62			Same " " med grained " "						2000
39.62-42.67			Same						2000
42.67-45.72			Same						2000
45.72-48.77			" " " " 1% black specks						2200
48.77-51.82			" " " " coarse grained, 2% black specks						2200
51.82-54.86			" " " " coarse grained 5% black specks, Tr sulphides						2000
54.86-57.91			Grey Qtz. & Feld sand, coarse grained, 5% black, coal, Tr. of green, Tr. of rusty specks						2000
57.91-60.96			Grey Qtz. & feld sand, coarse grained, 5mm. particles dark grey rock, fine grained						2000

DATE June 2/77

LOGGED BY W.I. Nelson *W.I. Nelson Eng*

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 1/77	Completed June 1/77	Core Size	Property Tyee-Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat.	Elev.	Dip
Dep.	Depth	Bearing	Dep.	Depth	Bearing
					Hole No. R-26

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.		TV-1
60.96-64.01			Grey Qtz. & feld sand med. grained, 1% black, Tr. of sulphides						c.p.m. 1800
64.01-67.06			" " " " coarse grained, particles of dark grey rock up to 5mm						1500
67.06-68.58			" " " " " " 5% black						1200
			End Of Hole: 68.58M or 225 feet						
			Hard Rock At: 65.53M						
			DRILLED WITH N.W. Rods by Phil Linnenback						

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 2/77		Completed June 2/77		Core Size HQ Tricone		Property Tye Hydraulic			Project No 61		NTS No. 82E			
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 1 of 2		
Lat.		Elev.		Dip		Lat. 9999.96		Elev. 1264.21		Dip Vertical		Hole No.		
Dep.		Depth 231 feet		Bearing		Dep. 9300.11		Depth 70.41M		Bearing		R-27		
Footage	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.		TV-1	back-ground
0-15.24			Not sampled										(c.p.m.)	1000
15.24-18.29			Glacial Till & mud, water brown										1500	
18.29-21.32			Same										1500	
21.32-24.38			Same										1500	
24.38-27.43			Same										1500	
27.43-30.48			Glacial till & gray feldspathic sand										1700	
30.48-33.53			Probable glacial till, mostly medium grain quartz-feldspar sand 10% black specks, 1% green, 1% rusty trace sulphides										1700	
33.53-36.58			Coarse grain quartz feldspar sand - gray color 10% black 1% green 1% rusty trace sulphides										2500	
36.58-39.62			Same										2700	
39.62-42.67			Same light gray color										2500	
42.67-45.72			Coarse grain quartz feldspar sand, light gray color 5% black specks 10% coal 1% green 1% rusty										3500	
45.72-48.77			Coarse grain quartz feldspar sand, light gray color 5% black specks 1% green 1% rusty										3500	
48.77-51.82			Fine grain quartz feldspar sand, dark gray color 5% black specks 1% green Tr. rusty 1% sulphides										7000	
51.82-54.86			Coarse grain quartz feldspar sand gray color 5% black 1% green Tr. rusty Tr. sulphides										4500	
54.86-57.91			Same										4500	

DATE June 3, 1977

LOGGED BY W.I. Nelson *W.I. Nelson P. Eng.*

NORANDA EXPLORATION COMPANY, LIMITED

Collared		Completed		Core Size			Property <u>Tyce - Hydraulic</u>			Project No		NTS No.		
FIELD COORDINATES							SURVEYED COORDINATES					Sheet <u>2</u> of <u>2</u>		
Lat.		Elev.		Dip		Lat.		Elev.		Dip		Hole No.		
Dep.		Depth		Bearing		Dep.		Depth		Bearing		R-27		
Footage	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.		TV-1	
57.91- 60.96			Coarse grain quartz feldspar sand gray color 5% black 1% green 1% rusty Tr. sulphides										(c.p.m.) 3500	
60.96- 64.01			Same except no sulphides seen										2500	
64.01- 67.06			Fine grain quartz feldspar sand gray color 1% black 1% green Tr. rusty Tr. sulphides										1500	
67.06- 70.41			Same except no sulphides seen										1500	
			End of Hole 70.41 meters = 231 feet											
			Hit Hard Rock at 64.01M											
			Drilled by R. Beaupre HQ Rods											

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 2/77	Completed June 2/77	Core Size NW Tricone	Property Tye Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. 9898.03	Elev. 1259.28	Dip Vertical
Dep.	Depth 230 feet	Bearing	Dep. 9433.21	Depth 70.10	Bearing
					Sheet 1 of 2
					Hole No. R-28

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.			TV-1 C.P.M.
0-18.29			Not sampled							
18.29-21.32			Medium grain gray, quartz feldspar sand 10% black specks							1300
21.32-24.38			Same							1300
24.38-27.43			Same							1300
27.43-30.48			Coarse grain gray quartz feldspar sand 10% black specks 5% green 2% rusty							1800
30.48-33.53			Fine grain gray quartz feldspar sand 5% black specks							1800
33.53-36.58			Coarse grain gray quartz feldspar sand 5% black specks 1% green							1800
36.58-39.62			Fine grain gray quartz feldspar sand 1% black specks 1% green							1500
39.62-42.67			Same							1700
42.67-45.72			Coarse grain gray quartz feldspar sand 5% black specks Tr. green, Tr. sulphides							1700
45.72-48.77			Medium grain gray quartz feldspar sand 1% green							1700
48.77-51.82			Coarse grain gray quartz feldspar sand. Coal							1500
51.82-54.86			Medium grain gray quartz feldspar sand. 1% black specks 1% green Tr. rusty							2200
54.86-57.91			Coarse grain gray quartz feldspar sand 2% black specks 2% rusty 1% green							2000
57.91-60.96			Fine grain gray quartz feldspar sand 1% black 1% rusty 1% green							2000

DATE June 5/77

LOGGED BY W.I. Nelson *W.I. Nelson* Eng

NORANDA EXPLORATION COMPANY, LIMITED

Collared		Completed		Core Size		Property				Project No		NTS No.			
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 2 of 2			
Lat.		Elev.		Dip		Lat.		Elev.		Dip		Hole No.			
Dep.		Depth		Bearing		Dep.		Depth		Bearing		R-28			
Footage	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.		TV-1		
60.96-64.01			Coarse grain gray quartz feldspar sand 1% black specks 1% rusty 1% green											C.P.M. 2000	
64.01-67.06			Coarse grain gray quartz feldspar sand 5% black 2% rusty. Gray rock up to 5mm											2000	
67.06-70.10			Same 1% green											1700	
			End of Hole 70.10m = 230 feet												
			Drilled by P. Linnenback NW. Rods												
			No hard rock												

DATE June 5/77 LOGGED BY W.I. Nelson

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 3/77	Completed June 3/77	Core Size HQ Tricone	Property Tye-Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. 9999.86	Elev. 1260.16	Dip Vertical
Dep.	Depth 200 feet	Bearing	Dep. 9250.56	Depth 60.96M	Bearing
					Hole No. R-29

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.			TV-1
0-15.24			No sample							
15.24-18.29			Glacial till, fine grained, grey brown							1500
18.29-21.32			Same							1200
21.32-24.38			Glacial till, coarse grained, grey dark, more felds particles							1500
24.38-27.43			Same							1500
27.43-30.48			Light grey, coarse grained, Qtz. & feld sand, 20% black specks, 2% rusty, 2% green							1500
30.48-33.53			Light grey, coarse grained, Qtz. & feld sand, 10% black specks							2000
33.53-36.58			Light grey, coarse grained, QTZ. & feld sand, 10% black specks, 1% rusty, 1% green							2000
36.58-39.62			Same							1500
39.62-42.67			Same, except trace of sulphides							1500
42.67-45.72			Light grey, coarse grained, Qtz. & feld sand, 5% black, 1% rusty, 1% green, Tr. sulphides							1700
45.72-48.77			Grey brown fine grained Qtz. & feld, 1% black, 1% rusty, 1% green, Tr. sulphides							1500
48.77-51.82			Same							1200
51.82-54.86			Same							1200
54.86-57.91			Same							1200

DATE June 4, 1977 LOGGED BY W.I. Nelson *W.I. Nelson*

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 3/77	Completed June 3/77	Core Size HQ-Tricone	Property Tye-Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat.	Elev.	Dip Vertical
Dep.	Depth	Bearing	Dep.	Depth 60.96M	Bearing

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.			TV-1
57.91- 60.96			Grey brown fine grained, Qtz. & feld sand, with greenish layers & rusty layers, 1% black specks, trace of sulphides							1100
			End of Hole: 60.96M							
			Hole Making Water							
			Drilled by Rosaire Beaupre with HQ Rods							
			Hard Rock at: 54.86'							

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 3/77	Completed June 4/77	Core Size NW Tricone	Property Type-Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. 9900.64	Elev. 1255.04	Dip Vertical
Dep.	Depth 180 feet	Bearing	Dep. 9250.54	Depth 54.86m	Bearing
					Hole No. R-30

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.			TV-1	back-ground
0-15.24			Not sampled							c.p.m.	91200d
15.24-18.29			Glacial Till							1800	
18.29-21.32			" "							1800	
21.32-24.38			" "							1800	
24.38-27.43			Gray coarse grain quartz feldspar sand 10% black specks							1800	
27.43-30.48			Same							1500	
30.48-33.53			Same							1500	
33.53-36.58			Same							1800	
36.58-39.62			Same & rock up to 5mm							1800	
39.62-42.67			Same 5% black 5% rusty 2% green							1500	
42.67-45.72			Fine grain greenish gray quartz feldspar sand 5% black 2% rusty							1500	
45.72-48.77			Fine grain greenish gray & coarser particles. 5% black 5% green 2% rusty							1500	
48.77-51.82			Medium grain darker greenish gray quartz feldspar sand 5% black 5% green 2% rusty							1500	
51.82-54.86			Medium grain greenish gray quartz feldspar sand 5% black 5% green 2% rusty							1200	
			End of Hole 54.86m = 180 feet Drilled by P. Linnenback NW Rods Hard rock at 33.53 - 45.72 softer 45.72 - 54.86								

DATE June 5/77

LOGGED BY W.I. Nelson *W.I. Nelson Eng.*

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 4/77	Completed June 5/77	Core Size HQ Tricone	Property Tyee Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. 9949.67	Elev. 1258.26	Dip Vertical
Dep.	Depth 190 feet	Bearing	Dep. 9250.00	Depth 57.91m	Bearing
					Sheet 1 of 1
					Hole No. R-31

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.		TV-1	back-ground
0-15.24			Not sampled						c.p.m.	1000
15.24-18.29			Glacial Till						1200	
18.29-21.32			Glacial Till						1200	
21.32-24.38			Glacial Till						1200	
24.38-27.43			Gray medium grain quartz-feldspar sand 10% black specks 1% green						1500	
27.43-30.48			Same						1500	
30.48-33.53			Gray coarse grain quartz feldspar sand 20% black specks 1% green 1% rusty						1500	
33.53-36.58			Gray coarse grain quartz feldspar sand 10% black specks 1% green 1% rusty Tr. sulphides						1500	
36.58-39.62			Gray coarse grain quartz feldspar sand 10% black specks 1% green 1% rusty Tr. sulphides less than sample before						1700	
39.62-42.67			Gray coarse grain quartz feldspar sand 5% black specks 1% green 1% rusty Tr. sulphides						1400	
42.67-45.72			Same						1400	
45.72-48.77			Light gray almost white quartz feldspar sand 5% black specks 1% green 1% rusty Tr. sulphides		Hard Rock				1000	
48.77-51.82			Light gray fine grain quartz feldspar sand 1% black specks Tr. rusty						1000	
51.82-54.86			Gray coarse grain quartz feldspar sand 1% black specks 1% rusty						1200	
54.86-57.91			Greenish gray fine grain quartz feldspar sand 1% black specks rusty bands.						1200	

End of Hole 57.91m = 190 feet
 Drilled by R. Beaupre HQ Rods

DATE June 6, 1977

LOGGED BY W.I. Nelson *W.I. Nelson P. Eng*

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 5/77	Completed June 9/77	Core Size NW Tricone	Property Tye - Hydraulic	Project No 61	NTS No. 82F
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. 9900.60	Elev. 1255.71	Dip Vertical
Dep.	Depth 260 feet	Bearing	Dep. 9297.83	Depth 79.25M	Bearing
					Hole No. R-32

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.		TV-1	back-
0-15.24			Not sampled						c.p.m.	ground 1200
15.24-18.29			Glacial Till						1300	
18.29-21.32			Glacial Till						1400	
21.32-24.38			Gray fine grain quartz feldspar sand 5% black specks 1% rusty						1400	
24.38-27.43			Same	1% sulphides					2000	
27.43-30.48			Same	2% sulphides					2500	
30.48-33.53			Coarse grain-black quartz feldspar	60% sulphides					4200	
33.53-36.58			Same	75% sulphides					4000	
36.58-39.62			Same	50% sulphides					3500	
39.62-42.67			Same	50% sulphides					4500	
42.67-45.72			Coarse grain gray quartz feldspar sand	10% sulphides					3000	
45.72-48.77			Fine grain gray quartz feldspar sand 2% black	1% sulphides					2000	
48.77-51.82			Coarse grain gray quartz feldspar sand 5% black 1% green	Tr. sulphides					2000	
51.82-54.86			Fine grain - otherwise same						1800	
54.86-57.91			Fine grain light gray near white quartz feldspar sand 5% black specks Tr. green						2000	

DATE June 6/77 LOGGED BY W.L. Nelson *W.L. Nelson P. Eng.*

NORANDA EXPLORATION COMPANY, LIMITED

Collared	Completed	Core Size	Property Tye - Hydraulic	Project No	NTS No.
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat.	Elev.	Dip
Dep.	Depth	Bearing	Dep.	Depth	Bearing

Sheet 2 of 2
Hole No. R-32

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.			TV-1
57.91-60.96			Coarse grain light gray quartz feldspar sand 5% black 1% green sulphides							c.p.m. 2500
60.96-64.01			Same 1% black 1% green trace sulphides							2300
64.01-67.06			Same 5% black 1% green. Coarse particles up to 5mm. Trace sulphides							2300
67.06-70.10			Same particles up to 5mm. No sulphides seen							2500
70.10-73.15			Fine grain light gray quartz feldspar sand. Trace black 1% green Trace sulphides							2500
73.15-76.20			Medium grain light grey quartz feldspar sand 1% black 1% green trace sulphides							1800
76.20-79.25			Same							2000
			End of Hole 79.25m = 260 feet							
			Drilled by Phil Lennenback NW Rods							
			No hard rock over about 30cm							
			54.86 - 79.25 light gray nearly white							

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 9/77	Completed June 9/77	Core Size NW Tricone	Property Tyee - Hydraulic	Project No 61	NTS No. 82E/14
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. 9950.59	Elev. 1255.41	Dip Vertical
Dep.	Depth	Bearing	Dep. 9299.78	Depth 65.23m	Bearing
					Hole No. R-33

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.		TV-1
0-15.24			Not sampled						c.p.m.
15.24-18.29			<u>Glacial Till</u> : muddy sand with heterogeneous texture; vari-colored grains and rock fragments						1200
18.29-21.32			<u>Same</u>						1400
21.32-24.38			<u>Same</u>						1400
24.38-27.43			<u>Glacial Till/Semi-Consolidated sediments</u> ; transition. decrease in vari-coloured grains; more homogeneous texture						1400
27.43-30.48			<u>Semi-Consolidated Sediments</u> : dark-green medium-grained quartzo-feldspathic sand; fairly homogeneous texture; approx. 15% dark grains						1600
30.48-33.53			<u>Same</u> : light grey-green, medium-grained; increase in quartz and feldspar grains; homogeneous texture; approx. 7% dark grains; minor sulphides						2000
33.53-36.58			<u>Same</u> : Lighter grey-green; slightly coarser fraction approx. 1% sulphides; minor coal fragments						2400
36.58-39.62			<u>Same</u> : medium-grained; increase in sulphides (2%) and coal fragments (1%)						3000
39.62-42.67			<u>Same</u> : increase sulphides (2-3%) and coal fragments (2%)						3200
42.67-45.72			<u>Same</u> : only minor sulphides and coal						2200
45.72-48.77			<u>Same</u> : lighter grey; increase in quartzo-feldspathic grains; 5% dark grains; 1% sulphides; finer-grained texture						2000
48.77-51.82			<u>Same</u> : dark grey green, quartzo-feldspathic sand; fine to medium grained; approx. 5% dark grains abundant sulphides (approx. 5%) minor coal						20,000
51.82-54.86			<u>Same</u> : darker grey-green; increase in sulphides (10-15%); minor coal						35,000
54.86-57.91			<u>Basement</u> ; light grey, fine-grained quartzo-feldspathic sand; approx. 3% dark grains; homogeneous texture						2200

DATE _____

LOGGED BY W. Nelson P. Eng.

NORANDA EXPLORATION COMPANY, LIMITED

Collared		Completed		Core Size		Property			Project No		NTS No. 82E/14			
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 2 of 2		
Lat.		Elev.		Dip		Lat.		Elev.		Dip		Hole No.		
Dep.		Depth		Bearing		Dep.		Depth		Bearing		R-33		
Footage	Rec'y	Graphic Log	Description				% Sulp.	Est. Grade	Sample No.	Lt.			TV-1	
57.91			Basement: Light grey-brown, quartzo-feldspathic sand;										C.p.m.	
60.96			fine-grained, homogeneous texture; 5% dark grains, some iron-stained grains										2500	
60.96-			<u>Same</u>										2200	
64.00														
64.00-			<u>Same</u>										2200	
65.23														
			EOH - 65.23m											
			Basement - 54.86m											
			Hole Drilled by: R. Beaupre HQ Rods											

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 9/77	Completed June 10/77	Core Size NW Tricone	Property Tyee-Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. 9924.73	Elev. 1255.24	Dip Vertical
Dep.	Depth 200 ft.	Bearing	Dep. 9272.94	Depth 60.96m	Bearing
					Sheet 1 of 2
					Hole No. R-34

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.			TV-1
0-15.24			No sample							c.p.m.
15.24-18.29			Grey fine grained glacial till							1200
18.29-21.32			Same							1200
21.32-24.38			Mixture of fine and coarse grey glacial till							1200
24.38-27.43			Same, some feld up to 5mm across							1200
27.43-30.48			Grey sand coarse grained Qtz. & feld sand, 5% black grains trace of sulphides							1200
30.48-33.53			Grey sand fine grained, Qtz. & feld, 5% black, 1% green							1500
33.53-36.58			Grey sand coarse grained, Qtz. & feld, 1% black, 1% green, trace of sulphides							1700
36.58-39.62			Grey sand coarse grained, Qtz. & feld, 10% black							1700
39.62-42.67			Grey sand coarse grained, Qtz. & feld, 10% black							1200
42.67-45.72			Sand, light grey, coarse grained, Qtz. & feld, 10% black, 1% green							1200
45.72-48.77			Sand, light grey, coarse grained, Qtz. & feld, 1% black							1200
48.77-51.82			Sand, light grey, coarse grained, Qtz. & feld, 5% black							1200
51.82-54.86			Same							1200
54.86-57.91			Same							1200

DATE June 11/77 LOGGED BY W.L. Nelson *W.L. Nelson Eng*

NORANDA EXPLORATION COMPANY, LIMITED

Collared		Completed		Core Size		Property				Project No			NTS No.	
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 2 of 2		
Lat.		Elev.		Dip		Lat.		Elev.		Dip		Hole No.		
Dep.		Depth		Bearing		Dep.		Depth		Bearing		R-34		
Footage	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.			TV-1
57.91- 60.96			Sand, light grey, mixture fine & coarse, 1% black & trace of green											c.p.m. 1300
			End of Hole: 60.96m											
			Drilled by Phil. L. with NW-Tricone											
			Hit Hard drilling 180-185 ft. or 54.86 - 56.39M											
			then got soft again.											

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 10/77	Completed June 10/77	Core Size HQ Tricone	Property Tyee-Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. 9925.48	Elev. 1256.04	Dip Vertical
Dep.	Depth 190 ft.	Bearing	Dep. 9325.23	Depth 57.91M	Bearing
					Sheet 1 of 1
					Hole No. R-35

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.		TV-1
0-15.24			No sample						C.p.m.
15.24-18.29			Grey glacial till						1200
18.29-21.32			Same						1200
21.32-24.38			Grey glacial till - coarser grained						1300
24.38-27.43			Same						1500
27.43-30.48			Grey qtz. & feld coarse sand; 25% black grains, also green & pink grains						1500
30.48-33.53			Grey qtz. & feld mixed coarse & fine sand; 10% black, 5% rusty, 10% green-grains						3500
33.53-36.58			Dark grey fine grained qtz. & feld sand, 1% black, 5% sulphides						4000
36.58-39.62			Dark grey med. grained qtz. & feld sand, 1% black, 1% green, 10% sulphides						6500
39.62-42.67			Dark grey fine grained Qtz. & feld sand, 1% black, 10% sulphides						13,000
42.67-45.72			Fine grained, Qtz. & felds sand - nearly black, 30% sulphides						17,000
45.72-48.77			Grey med. grained, Qtz. & feld sand, 1% black, 1% green 1% rusty, 5% sulphides						11,000
48.77-51.82			Dark grey to black fine grained Qtz. & feld sand, 5% sulphides						50,000
51.82-54.86			Med. grained, dark grey Qtz. & feld sand, 5% rusty, 10% sulphides						25,000
54.86-57.91			Greenish grey, med. to fine grained, Qtz & feld, 1% green, 1% rusty, 10% sulphides						7,500

End of Hole; 190 ft. or 57.91m, Hit bedrock 170ft. or 51.82m drilled by: Rosaire B. in HQ rod

DATE June 11/77

LOGGED BY

W.I. Nelson *W.I. Nelson*

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 11/77	Completed June 11/77	Core Size NW-Tricone	Property Tye-Hydraulic	Project No 61	NTS No. 82E.
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. 9876.09	Elev. 1256.79	Dip Vertical
Dep.	Depth 220 feet	Bearing	Dep. 9380.10	Depth 67.06M	Bearing
					Sheet 1 of 2
					Hole No. R-36

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.			TV-1	back ground
0-15.24			No sample							c.p.m.	1500
15.24-18.29			Glacial Till							1500	
18.29-21.32			" "							1500	
21.32-24.38			" "							1500	
24.38-27.43			" "							1500	
27.43-30.48			" "							1700	
30.48-33.53			Fine grained, light grey, Qtz. & feld sand - 5% black, 1% green, 1% rusty grains							1700	
33.53-36.58			Med. grained, Same							1500	
36.58-39.62			Same							1700	
39.62-42.67			Same							2000	
42.67-45.72			Coarse grained, light grey, Qtz. & feld sand - 10% black, 1% green, 1% rusty grains							2000	
45.72-48.77			Same							2000	
48.77-51.82			Med. grained, light grey, Qtz. & feld sand - 5% black, 1% green, trace rusty grains							2200	
51.82-54.86			Same but with trace sulphides							2200	
54.86-57.91			Med. grained, light grey, Qtz. & feld sand - 5% black, 1% green							2200	

DATE June 12/77 LOGGED BY W.I. Nelson *W.I. Nelson Eng*

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 11/77	Completed June 11/77	Core Size NW Tricon	Property Tye-Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat.	Elev.	Dip
Dep.	Depth 220 Ft.	Bearing	Dep.	Depth 67.06M	Bearing

Sheet 2 of 2

Hole No. R-36

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.		TV-1
57.91- 60.96			Coarse grained, light grey, Qtz. & feld sand - 5% black, 1% green, 1% rusty, trace sulphides						C.p.m. 2000
60.96- 64.01			Fine grained, Same						2000
64.01- 67.06			Coarse grained, light grey, Qtz. & feld sand- 10% black, 1% green, 2% rusty, Tr. of Sulphides						1700
			Hit Hard At 205 ft. or 65.53M						
			End of Hole: 67.06M						
			Drilled by Phil Lindenbach						
			with NW-Tricone						

DATE June 12/77 LOGGED BY W.I. Nelson

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 11/77		Completed June 11/77		Core Size HQ-Tricone		Property Tye-Hydraulic		Project No 61		NTS No. 82E		
FIELD COORDINATES						SURVEYED COORDINATES						
Lat.		Elev.		Dip		Lat. 9974.22		Elev. 1259.69		Dip Vertical		
Dep.		Depth 200 ft.		Bearing		Dep. 9274.98		Depth 60.96M		Bearing		
Footage	Rec'y	Graphic Log	Description				% Sulp.	Est. Grade	Sample No.	Lt.	TV-1	back-ground
0-15.24			No sample									
15.24-18.29			Glacial Till								2000	1200
18.29-21.32			" "								1500	
21.32-24.32			" "								1200	
24.32-27.43			" "								1500	
27.43-30.48			" "								1200	
30.48-33.53			Light grey, med. grained, Qtz. & Feld sand - 5% black 1% green, Tr. rusty, Tr. sulphides								1800	
33.53-36.58			Same except no sulphides								2000	
36.58-39.62			Fine grained, light grey, Qtz. & feld sand - 1% black and trace of green, rusty and sulphides								2500	
39.62-42.67			Med grained, Same								2000	
42.67-45.72			Same								1500	
45.72-48.77			Same								1500	
48.77-51.82			Same								1500	
51.82-54.86			Fine grained, Same								1500	
54.86-57.91			Same								1500	
57.91-60.96			Same								1200	
End of Hole: 60.96M, Hit Hard Rock at 55.78M												
Drilled by Rosaire Beaupre with HQ-Tricone												

DATE June 12/77

LOGGED BY W.I. Nelson *W.I. Nelson P. Eng.*

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 12/77		Completed June 12/77		Core Size NW-Tricone		Property Tyee-Hydraulic		Project No 61		NTS No. 82E		
FIELD COORDINATES						SURVEYED COORDINATES						
Lat.		Elev.		Dip		Lat. 9924.26		Elev. 1260.31		Dip Vertical		
Dep.		Depth 210 feet		Bearing		Dep. 9374.93		Depth 64.01M		Bearing		
Footage	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.	TV-1
0-18.29			No sample									c.p.m.
18.29-21.32			Glacial Till									1500
21.32-24.38			Same									1500
24.38-27.43			Same									1500
27.43-30.48			Same?									1500
30.48-33.53			Coarse grained, grey, Qtz. & feld sand - 5% black grains									1700
33.53-36.58			Same									1800
36.58-39.62			Same except only 1% black grains									2000
39.62-42.67			Med grained, grey, Qtz & feld sand - 1% black grains									2000
42.67-45.72			Fine grained, light grey, Qtz. & feld sand - 1% black grains									2500
45.72-48.77			Same with 1% green grains									2500
48.77-51.82			Fine grained, light grey, Qtz. & feld sand - 1% black, 1% green, trace sulphides									2700
51.82-54.86			Same but with 2% sulphides									4000
54.86-57.91			Med grained, light grey, Qtz & feld sand - 1% black, 1% green, 1% sulphides									3000
57.91-60.96			Coarse grained, light grey, Qtz. & feld sand, 1% black, 1% green, 2% sulphides									3000

DATE June 13, 1977 LOGGED BY W.I. Nelson *W.I. Nelson P. Eng.*

NORANDA EXPLORATION COMPANY, LIMITED

Collared	June 12/77	Completed	June 12/77	Core Size	NW-Tricone	Property		Project No		NTS No.	82E
FIELD COORDINATES						SURVEYED COORDINATES					
Lat.			Elev.		Dip	Lat.		Elev.		Dip Vertical	
Dep.			Depth		Bearing	Dep.		Depth		Hole No.	
										R-38	

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.				TV-1
60.96			Coarse grained, light grey, Qtz. & Feld sand,								c.p.m.
64.01			1% black, 1% green, 1% sulphides								2700
			Hit Hard Rock: 62.48								
			End of Hole: 64.01								
			Drilled by Phil Lenenbach with NW Rods and Tricone								

NORANDA EXPLORATION COMPANY, LIMITED

Collared	June 12/1977	Completed	June 13/77	Core Size	HQ Tricone	Property	Tye-Hydraulic			Project No	61	NTS No.	82E	
FIELD COORDINATES						SURVEYED COORDINATES						Sheet	1 of 2	
Lat.		Elev.		Dip		Lat.	10124.97	Elev.	1270.47	Dip	Vertical	Hole No.		
Dep.		Depth	244'	Bearing		Dep.	9224.39	Depth	74.37M	Bearing		R-39		
Footage	Rec'y	Graphic Log	Description				% Sulp.	Est. Grade	Sample No.	Lt.			TV-1	back-
0- 15.24			No sample										c.p.m.	ground 1200
15.24- 18.29			Glacial Till										1200	
18.29- 21.32			Same										1200	
21.32- 24.38			Same										1200	
24.38- 27.43			Same										1200	
27.43- 30.48			Same										1200	
30.48- 33.53			Same										1200	
33.53- 36.58			Med. grained, rusty grey, Qtz. & feld sand - 5% black, 5% rusty, 1% green grains										1500	
36.58- 39.62			Fine grained, light grey, Qtz. & feld sand - 1% black, 1% rusty, 1% green grains										1500	
39.62- 42.67			Fine grained, light grey, Qtz. & Feld sand - 1% black, Tr. Rusty, trace green grains, Tr. sulphides										2000	
42.67- 45.72			Med. grained, Light grey, Qtz. & feld sand - 1% black, Tr. rusty, Tr. green, 5% sulphides										2500	
45.72- 48.77			Same except 1% sulphides										3000	
48.77- 51.82			Med. grained, light grey, Qtz. & feld sand - coal - 1% black, Tr. rusty, Tr. green, 1% sulphides										2500	
51.82- 54.86			Same										2700	
54.86- 57.91			Med. grained, grey, Qtz. & feld sand - 1% black, Tr. Rusty, Tr. green, 2% sulphides										2500	

DATE June 13, 1977

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NORANDA EXPLORATION COMPANY, LIMITED

Collared June 12/77		Completed June 13/77		Core Size HQ-Tricon	Property Tyee-Hydraulic			Project No 61		NTS No. 82E	
FIELD COORDINATES					SURVEYED COORDINATES					Sheet 2 of 2	
Lat.		Elev.		Dip	Lat.		Elev.		Dip Vertical		Hole No.
Dep.		Depth 244t		Bearing	Dep.		Depth		Bearing		R-39
Footage	Rec'y	Graphic Log	Description			% Sulp.	Est. Grade	Sample No.	Lt.		TV-1
57.91- 60.96			Med Grained, light grey, Qtz. & feld sand - 1% black, Tr. rusty, Tr. green grains, Tr. sulphides								C.p.m. 2000
60.96- 64.01			Same								1500
64.01- 67.06			Same								2000
67.06- 70.10			Fine grained, light grey, Qtz. & feld sand, 1% black, Tr. rusty, Tr. green grains, Tr. sulphides								2000
70.10- 73.15			Same								1700
73.15- 74.37			Fine grained, brownish grey, Qtz. & feld sand, 1% black, 1% rusty, Tr. Green, Tr. sulphides								1500
			Hit Hard At: 70.10M								
			End of Hole: 74.37M								
			Drilled by Rosaire Beaupre with HQ Tricone & Rods								

DATE June 13/77

LOGGED BY W.I. Nelson

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 13/77		Completed June 13/77		Core Size NW Tricone		Property Tyee-Hydraulic			Project No 61		NTS No. 82E			
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 1 of 2		
Lat.		Elev.		Dip		Lat. 9974.97		Elev. 1263.92		Dip Vertical		Hole No.		
Dep.		Depth 250 Ft.		Bearing		Dep. 9374.84		Depth 76.20M		Bearing		R-40		
Footage	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.		TV-1	back-
0-18.29			Not sampled										c.p.m.	ground
18.29-21.32			Glacial Till brownish gray										1500	
21.32-24.38			Glacial Till more gray										1500	
24.38-27.43			Coarse grain and fine grain dark gray quartz feldspar sand 5% black specks trace sulphides										2000	
27.43-30.48			Fine grain dark gray quartz feldspar sand 5% black specks trace sulphides										2200	
30.48-33.53			Coarse grain dark gray quartz feldspar sand 5% black 1% green										2000	
33.53-36.58			Coarse grain dark gray quartz feldspar sand 5% black, 1% green 5% rusty Tr. sulphides										2200	
36.58-39.62			Coarse grain dark gray quartz feldspar sand 5% black, 1% green										2200	
39.62-42.67			Coarse grain dark gray quartz feldspar sand 5% black, 1% green										3500	
42.67-45.72			Coarse grain dark gray quartz feldspar sand, 1% black, 10% rusty tr. sulphides										3000	
45.72-48.77			Medium grain dark gray quartz feldspar sand trace rusty										4000	
48.77-51.82			Fine grain dark gray quartz feldspar sand 1% black, trace sulphides										3500	
51.82-54.86			Fine grain dark gray quartz feldspar sand trace green, trace sulphides										3500	
54.86-57.91			Medium grain dark gray quartz feldspar sand. Coal 1% black specks, trace rusty, tr. sulphides										5500	
57.91-60.96			Fine grain dark gray quartz feldspar sand. Coal? 1% black specks										7000	

DATE June 14, 1977

LOGGED BY W.I. Nelson *W.I. Nelson P. Eng.*

NORANDA EXPLORATION COMPANY, LIMITED

Collared	Completed	Core Size	Property	Tyee-Hydraulic		Project No	NTS No.
FIELD COORDINATES			SURVEYED COORDINATES			Sheet 2 of 2	
Lat.	Elev.	Dip	Lat.	Elev.	Dip	Hole No.	
Dep.	Depth	Bearing	Dep.	Depth	Bearing	R-40	

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.		TV-1
60.96-64.01			Medium grain dark grey quartz feldspar sand 1% black specks trace sulphides						6500
64.01-67.06			Medium grain gray quartz feldspar sand 2% black 1% rusty trace green						6000
67.06-70.10			Medium grain light gray quartz feldspar sand 1% black trace rusty trace green						2500
70.10-73.15			Coarse grain light gray quartz feldspar sand 1% black trace rusty trace green trace sulphides						1500
73.15-76.20			Fine grain light gray quartz feldspar sand 1% black 1% green 1% rusty trace sulphides						1500
			End of Hole 76.20M = 250 feet						
			Drilled by P. Lindenbach using NW Rods						
			Harder Rock at 67 meters						

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 13/77		Completed June 14/77		Core Size HQ Tricone		Property Tye-Hydraulic			Project No 61		NTS No. 82F					
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 1 of 2				
Lat.		Elev.		Dip		Lat. 10124.88		Elev. 1272.02		Dip Vertical		Hole No. R-41				
Dep.		Depth 260'		Bearing		Dep. 9274.63		Depth 79.25M		Bearing						
Footage	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.			TV-1	back-	
0-15.24			No sample												c.p.m.	ground
15.24-18.29			Glacial Till												1500	
18.29-21.32			Same												1200	
21.32-24.38			Same												1500	
24.38-27.43			Same												1200	
27.43-30.48			Same												1500	
30.48-33.53			Probable Glacial Till												1200	
33.53-36.58			Coarse grained, grey sand, Qtz & feld - 20% black, 5% rusty grains												1700	
36.58-39.62			Same, 10% black, 1% green, Tr. rusty grains												2000	
39.62-42.67			Same, 5% black, 1% rusty, Tr. green & trace sulphides												1500	
42.67-45.72			Same, 5% black, 1% green, tr. rusty, tr. sulphides												2300	
45.72-48.77			Same, 5% black, 1% green, tr. rusty, tr. sulphides												2100	
48.77-51.82			Same, 5% black, tr. rusty												2500	
51.82-54.86			Med, grained, gray sand, Qtz. & feld - 2% black, Tr. green												2700	
54.86-57.91			Same, - 2% black, Tr. green, Tr. rusty												2700	

DATE June 14 & 15/77

LOGGED BY W.I. Nelson *W.I. Nelson Eng.*

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 13/77		Completed June 14/77		Core Size HQ-Tricone		Property Tyee-Hydraulic			Project No 61		NTS No. 82E		
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 2 of 2	
Lat.		Elev.		Dip		Lat.		Elev.		Dip		Hole No.	
Dep.		Depth 260'		Bearing		Dep.		Depth 79.25M		Bearing		R-41	
Footage	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.		TV-1
57.91-60.96			Med. grained, grey sand, Qtz. & feld sand-2% black, tr. green, tr. rusty grains										C.p.m. 3000
60.96-64.01			Same with trace of sulphides										2500
64.01-67.06			Same with trace of sulphides										2000
67.06-70.10			Same with 1% sulphides										2000
70.10-73.15			Med. grained, grey sand, Qtz. & feld sand - 1% black tr. green, tr. rusty grains & tr. sulphides										3000
73.15-76.20			Med, grained, grey sand, Qtz. & feld, sand - 1% black, Tr. green, Tr. rusty rains, & 1% sulphides										4000
76.20-79.25			fine grained, light grey, Qtz. & feld sand - Tr. black, Tr. rusty, Tr. sulphides										1500
			End Of Hole: 79.25M										
			Hite Hard Rock: 75M										
			Drilled By Rosaire Beaupre with HQ Tricone & rods										

DATE June 1977 LOGGED BY W.I. Nelson

NORANDA EXPLORATION COMPANY, LIMITED

Collared <u>June 14/77</u>		Completed <u>June 14/77</u>		Core Size <u>NW-Tricone</u>		Property <u>Tyee-Hydrualic</u>			Project No <u>61</u>		NTS No. <u>82E</u>			
FIELD COORDINATES						SURVEYED COORDINATES						Sheet <u>1</u> of <u>2</u>		
Lat.		Elev.		Dip		Lat. <u>10024.54</u>		Elev. <u>1265.95</u>		Dip <u>Vertical</u>		Hole No.		
Dep.		Depth <u>225'</u>		Bearing		Dep. <u>9324.80</u>		Depth <u>68.58M</u>		Bearing		<u>R-42</u>		
Footage	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.		TV-1	back-ground
0-18.29			No sample										c.p.m.	1700
18.29-21.32			Glacial Till										1700	
21.32-24.38			Same										1700	
24.38-27.43			Same										1700	
27.43-30.48			Coarse grained, grey Qtz. & feld sand, - 10% black grains										1700	
30.48-33.53			Same										2000	
33.53-36.58			Same										1700	
36.58-39.62			Particles up to 5mm feld and 50% black particles up to 5mm										1700	
39.62-42.67			Med. grained, grey Qtz. & feld sand, - 10% black grains										2100	
42.67-45.72			Fine grained, grey Qtz. & feld sand - 5% black, 1% green grains										2500	
45.72-48.77			Same as above except - 1% rusty, trace green										2500	
48.77-51.82			Same as above except - 1% black, 1% green										3000	
51.82-54.86			Same as above except - tr. rusty, tr. green tr. sulphides										3000	
54.86-57.91			Fine grained, light grey Qtz. & feld sand - 1% black, 1% green, 1% rusty, coal present										4000	
57.91-60.96			Fine grained, light grey Qtz. & feld sand - 2% black, Tr. sulphides										3200	

DATE June 15/77 LOGGED BY W.I. Nelson *W.I. Nelson Eng*

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 14/77	Completed June 14/77	Core Size NW-Tricone	Property Tyee-Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. 10024.54	Elev. 1265.95	Dip Vertical
Dep.	Depth 225'	Bearing	Dep. 9324.80	Depth 68.58M	Bearing

Sheet 2 of 2
Hole No. R-42

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.			TV-1
60.96- 64.01			Med. grained, light grey Qtz. & Feld sand - 2% black, Tr. green, Tr. rusty, Tr. sulphides							3500
64.01- 67.06			Fine grained, light grey Qtz. & Feld sand - 1% black, 1% rusty, Tr. sulphides							3000
67.06- 68.58			Mixture coarse & fine, light grey, Qtz. & Feld sand- 2% black, 2% rusty, Tr. green							2000
			Hit Hard at 64.01M and Harder At 65.53M							
			End of Hole: 68.58M							
			Drilled by Phil Lindenbach with NW-Tricone & Rods							

DATE June 15/77 LOGGED BY W.I. Nelson

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 14/77		Completed June 15/77		Core Size HQ-Tricone		Property Tyee-Hydraulic		Project No 61		NTS No. 82E									
FIELD COORDINATES						SURVEYED COORDINATES													
Lat.		Elev.		Dip		Lat. 10124.81		Elev. 1269.21		Dip									
Dep.		Depth 230'		Bearing		Dep. 9324.99		Depth 70.10		Bearing									
Footage		Rec'y		Graphic Log		Description		% Sulp.		Est. Grade		Sample No.		Lt.		TV-1		back-	
0-15.24						No sample										c.p.m.		ground 1500	
15.24-18.29						Glacial Till												1500	
18.29-21.32						Same												1500	
21.32-24.38						Same												1500	
24.38-27.43						Same												1500	
27.43-30.48						Med. grained, grey Qtz. & Feld sand, - 10% black, 5% rusty, 1% green grains												1500	
30.48-33.53						Med. grained, grey, Qtz. & feld sand - 5% black, 1% rusty, 1% green grains and coal												3000	
33.53-36.58						Same as above except - 1% black, Tr. rusty, Tr. green, Tr. sulphides												3000	
36.58-39.62						Same												2500	
39.62-42.67						Same as above except - 5% black, Tr. rusty, 2% green grains												3000	
42.67-45.72						Same as above except - 5% black, 1% green grains												3500	
45.72-48.77						Same as above except - 2% black, Tr. green, coal is present												4000	
48.77-51.82						Same as above except - 1% black, Tr. green, Tr. sulphides												4500	
51.82-54.86						Same as above except - Tr. black, Tr. green, Tr. sulphides												2700	
54.86-57.91						Same as above except - Tr. black, Tr. green, Tr. rusty, Tr. sulphides												4000	

DATE June 16, 1977

LOGGED BY W.I. Nelson *W.I. Nelson P. Eng.*

NORANDA EXPLORATION COMPANY, LIMITED

Collared			Completed June 15/77		Core Size HQ-Tricone		Property Tyee-Hydraulic			Project No 61		NTS No. 82E		
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 2 of 2		
Lat.		Elev.		Dip		Lat.		Elev.		Dip		Hole No.		
Dep.		Depth		Bearing		Dep.		Depth 70.10		Bearing		R-43		
Footage	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.		TV-1	
57.91- 60.96			Fine grained, grey Qtz. & feld sand - Tr. black, Tr. green, Tr. sulphides										3000	
60.96- 64.01			Same										3300	
64.01- 67.06			Med. grained, grey Qtz. & feld sand - Tr. black, Tr. green, Tr. sulphides										3000	
67.06- 70.10			Med. to fine grained, rusty grey color, Qtz. & feld sand, Tr. black, Tr. green, Tr. rusty, Tr. sulphides										2200	
70.10-			Hit Hard Rock: 67.36M											
			End of Hole: 70.10M											
			Drilled by Rosaire Beaupre with HQ Tricone and Rods											

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 16/77		Completed June 16/77		Core Size NW-Tricone		Property Tye-Hydraulic			Project No 61		NTS No. 82E		
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 1 of 1	
Lat.		Elev.		Dip		Lat. 9750.26		Elev. 1249.06		Dip Vertical		Hole No.	
Dep.		Depth		Bearing		Dep. 9495.77		Depth 42.67		Bearing		R-44	
Footage	Rec'y	Graphic Log	Description				% Sulp.	Est. Grade	Sample No.	Lt.		TV-1	back-ground
0-15.24			No sample									c.p.m.	1200
15.24-18.29			Fine grained, light grey Qtz. & Feld sand, 1% black, Tr. green, Tr. rusty									1500	
18.29-21.32			Same									1500	
21.32-24.38			Fine grained, grey Qtz. & Feld sand, 1% black, Tr. green, Tr. rusty									1500	
24.38-27.43			Fine grained, grey Qtz. & Feld, 1% black, Tr. green, Tr. rusty, Tr. sulphides									1200	
27.43-30.48			Same									1300	
30.48-33.53			Med. grained, grey Qtz. & Feld sand, 5% black, Tr. green, Tr. rusty, Tr. sulphides									1200	
33.53-36.58			Same									1200	
36.58-39.62			Med. grained, dark grey, Qtz & Feld sand, 5% black, Tr. green, Tr. rusty									1200	
39.62-42.67			Same									1300	
			Hard At 28.96M and very hard 39.62M										
			End of Hole: 140' or 42.67M										

DATE June 17, 1977 LOGGED BY W. L. Nelson *W.L. Nelson P. Eng.*

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 16/77		Completed June 17/77		Core Size HQ-Tricone		Property Tyee-Hydraulic			Project No 61		NTS No. 82E			
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 1 of 2		
Lat.		Elev.		Dip		Lat. 10127.78		Elev. 1273.25		Dip Vertical		Hole No.		
Dep.		Depth 230 feet		Bearing		Dep. 9375.12		Depth 70.10M		Bearing		R-45		
Footage	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.		TV-1	back-ground
0-15.24			Not sampled										c.p.m.	1500
15.24-18.29			Glacial Till										1200	
18.29-21.32			" "										1500	
21.32-24.38			" "										1500	
24.38-27.43			" "										1500	
27.43-30.48			" "										1500	
30.48-33.53			Glacial till and medium grain Quartz feldspar sand										1800	
33.53-36.58			Medium grain gray quartz feldspar sand 10% black - possible coal										2000	
36.58-39.62			5% black. Coal tr. rusty, tr. green										2200	
39.62-42.67			2% black 1% rusty, tr. green										2500	
42.67-45.72			Fine grain 1% black tr. rusty, tr. green										3000	
45.72-48.77			10% black tr. rusty, tr. green										2200	
48.77-51.82			Fine grain light gray 2% black tr. rusty										2000	
51.82-54.86			Tr. green										1500	
54.86-57.91			Medium grain 5% black 1% rusty, tr. green										1500	

DATE June 18, 1977 LOGGED BY W.I. Nelson *W.I. Nelson P. Eng.*

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 16-77	Completed June 17/77	Core Size HQ-Tricone	Property Tye-Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. 10127.78	Elev. 1273.25	Dip Vertical
Dep.	Depth	Bearing	Dep. 9375.12	Depth 70.10M	Bearing
					Hole No. R-45

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.			TV-1
57.91-60.96			Fine grain light gray 5% black 2% rusty							.1500
60.96-64.01			5% black 2% rusty Tr. green							1200
64.01-67.06			Same							1200
67.06-70.10			Same							1200
			End of Hole: 70.10M							
			Hit Hard At:							
			Drilled by Rosaire Beaupre with HQ-Tricone & Rods							

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 17/77		Completed June 1-/77		Core Size NW-Tricone		Property Tye-Hydraulic			Project No 61		NTS No. 82E			
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 1 of 1		
Lat.		Elev.		Dip		Lat. 9749.98		Elev. 1248.62		Dip Vertical		Hole No. R-46		
Dep.		Depth 170'		Bearing		Dep. 9450.23		Depth 51.82		Bearing				
Footage	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.		TV-1	back-
0-15.24			No sample										c.p.m.	ground 1000
15.24-18.29			Mixture coarse and fine, grey Qtz. & Feld sand, 1% black grains										1500	
18.29-21.32			Same										1500	
21.32-24.38			Same but with Tr. sulphides										1700	
24.38-27.43			Fine grained, grey Qtz. & feld sand- 2% black Tr. sulphides, 'coal?										1700	
27.43-30.48			Coarse grained, grey Qtz. & Feld sand - 2% black, 1% green, Tr. sulphides										1700	
30.48-33.53			Med. grained, grey Qtz & feld sand - 1% black, Tr. green, Tr. sulphides										2000	
33.53-36.58			Fine grained, grey Qtz. & Feld sand - 1% black, Tr. rusty, Tr. green										2300	
36.58-39.62			Fine grained, grey Qtz. & Feld sand - 10% coal, 1% fine black, Tr. green 1 large (10mm x 50mm) piece of sulphides										4500	
39.62-42.67			Med grained, grey Qtz. & feld sand - 5% coal, 1% fine black, Tr. green, Tr. sulphides										2500	
42.67-45.72			Fine grained, grey Qtz. & feld sand - 1% black, Tr. green, Tr. rusty										2000	
45.72-48.77			Fine grained, brownish grey, Qtz & feld sand - 1% black, Tr. green, 10% rusty										1500	
48.77-51.82			Fine grained, dark grey, Qtz. & feld sand - 1% black, 5% rusty, Tr. green										1500	
			Hit Hard: 50.29M End of Hole: 51.82M											
			Drilled by Phil Lindenbach with NW-Tricone & Rods											

DATE June 17/77

LOGGED BY

W.I. Nelson *W.I. Nelson*

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 18/77		Completed June 18/77		Core Size NW-Tricone		Property Tye Hydraulic		Project No 61		NTS No. 82E			
FIELD COORDINATES						SURVEYED COORDINATES							
Lat.		Elev.		Dip		Lat. 9749.92		Elev. 1246.00		Dip Vertical			
Dep.		Depth 170 feet		Bearing		Dep. 9350.91		Depth 51.82		Bearing			
Footage	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.	TV-1 C.P.M.	back-ground
0-15.24			Not sampled										1200
15.24-18.29			Coarse grain gray quartz feldspar sand 1% black grains									1500	
18.29-21.32			Medium grain gray quartz feldspar sand 1% black grains									1500	
21.32-24.38			Fine grain gray quartz feldspar sand much black woody material (coal)									1500	
24.38-27.43			Medium grain gray quartz feldspar sand 1% black trace green									2000	
27.43-30.48			Same except coarse grain									2000	
30.48-33.53			Medium grain gray quartz feldspar sand 5% black trace green									2000	
33.53-36.58			Medium grain gray quartz feldspar sand 1% black trace green									2000	
36.58-39.62			Coarse grain gray quartz feldspar sand 1% black trace green									2000	
39.62-42.67			Same									2000	
42.67-45.72			Coarse grain pinkish gray quartz feldspar sand 1% black 5% pink									2000	
45.72-48.77			Coarse grain greenish gray quartz feldspar sand 1% black 2% green trace sulphides									1500	
48.77-51.82			Coarse grain dark gray quartz feldspar sand 25% black 2% green trace sulphides									1500	
			End of Hole 51.82M = 170 feet Drilled By P. Lindenbach NW Rods										
			Hard at 47.24M then Harder and Harder										

DATE June 19/77 LOGGED BY W.I. Nelson *W.I. Nelson P. Eng.*

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 19/77	Completed June 19/77	Core Size NW-Tricone	Property Tye-Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. 9749.69	Elev. 1246.35	Dip Vertical
Dep.	Depth 220'	Bearing	Dep. 9400.46	Depth 67.06	Bearing
					Sheet 1 of 2
					Note No. R-48

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.			TV-1	back-
0-15.24			No sample							c.p.m.	ground 1500
15.24-18.29			Med. grained, grey, Qtz & Feld sand - 2% black, Tr. green							2000	
18.29-21.32			Med. grained, grey, Qtz. & Feld sand - 2% black, Tr. green, Tr. rusty							1800	
21.32-24.38			Same							1800	
24.38-27.43			Same as above except - 2% black, 1% green, Tr. rusty							1700	
27.43-30.48			Same							1800	
30.48-33.53			Same							2000	
33.53-36.58			Same							1700	
36.58-39.62			Coarse grained, grey, Qtz. & Feld sand - 1% black, 1% green, Tr. rusty							1700	
39.62-42.67			Med. grained, grey, Qtz. & Feld sand - 1% black, Tr. green							1700	
42.67-45.72			Coarse grained, grey, Qtz. & Feld sand - 1% black Tr. green, Tr. rusty							1500	
45.72-48.77			Med. grained, grey, Qtz. & Feld sand - 1% black, Tr. green, Tr. rusty							1500	
48.77-51.82			Med. grained, grey, Qtz. & Feld sand - 1% black, 1% green Tr. rusty							1500	
51.82-54.86			Med. grained, darker grey, Qtz. & Feld sand - 1% black, 1% green, Tr. rusty							1800.	
54.86-57.91			Med. grained, grey, Qtz. & Feld sand - 1% black, Tr. green Tr. rusty, Tr. sulphides							1700	

DATE June 19/77

LOGGED BY W.I. Nelson *W.I. Nelson P. Eng*

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 19/77	Completed June 19/77	Core Size NW-Tricone	Property Tyee-Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat.	Elev.	Dip Vertical
Dep.	Depth 220	Bearing	Dep.	Depth 67.06	Bearing
					Hole No. R-48

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.	TV-1	back-ground
57.91-60.96			Fine grained, grey, Qtz. & Feld sand - Tr. black, 1% green, Tr. rusty					c.p.m. 1500	
60.96-64.01			Same as above except - 1% black, 1% green, Tr. rusty					1500	
64.01-67.06			Same as above except - 1% black, Tr. green, Tr. rusty, Tr. sulphides					1500	
			End of Hole: 67.06M						
			Hit Hard: 64.92M						
			Drilled By Phil Lindenbach with NW Rods and Tricone						
			Intermittent hard 57.30 - 64.92M						

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 21/77		Completed June 21/77		Core Size NW-Tricone		Property Tyee-Hydraulic			Project No 61		NTS No. 82E			
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 1 of 1		
Lat. 97N		Elev.		Dip		Lat. 9701.10		Elev. 1245.12		Dip Vertical		Hole No. R-49		
Dep. 93+50E		Depth 170'		Bearing		Dep. 9351.35		Depth 51.82M		Bearing				
Footage	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.		TV-1	back-
0-15.24			No samples										c.p.m.	ground 1500
15.24-18.29			Med. grained, grey, Qtz. & Feld sand, 5% black, Tr. green grains										1500	
18.29-21.32			Med. grained, grey, Qtz. & Feld sand, 5% black										1500	
21.32-24.38			Fine grained, grey, Qtz. & Feld sand - 2% black										1700	
24.38-27.43			Med. grained, grey, Qtz. & Feld sand - 5% black, Tr. green, Tr. rusty grains										1700	
27.43-30.48			Mixture fine & coarse grained, grey, Qtz. & Feld sand - 5% black.										1700	
30.48-33.53			Real mixture of fine & coarse grains; up to 5mm grain size, grey Qtz. & feld sand - 5% black grains										1500	
33.53-36.58			Fine grained, grey, Qtz. & Feld sand - 5% black, 1% green grains										1500	
36.58-39.62			Med. grained, grey, Qtz. & Feld sand - 5% black, 1% green grains										1700	
39.62-42.67			Fine grained, grey, Qtz. & Feld sand - 5% black, Tr. green grains										1700	
42.67-45.72			Fine grained, grey, Qtz. & Feld sand - 2% black, Tr. green grains										1500	
45.72-48.77			Same as above										1500	
48.77-51.82			Med. grained, Grey, Qtz. & Feld sand - 5% black, Tr. green, Tr. rusty, Tr. pyrite										1500	
51.82-54.86			End of Hole: 51.82M											
54.86-57.91			Hard At: 48.77M drilled by Phil Lindenbach with NW-Tricone & Rods											

DATE June 24, 1977 LOGGED BY W.I. Nelson *W.I. Nelson*
P. Eng.

NORANDA EXPLORATION COMPANY, LIMITED

Collared 22 June		Completed 22 June		Core Size NW-Tricone		Property Tyee-Hydraulic			Project No 61		NTS No. 82E			
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 1 of 2		
Lat. 97N		Elev.		Dip		Lat. 9700.64		Elev. 1245.09		Dip Vertical		Hole No.		
Dep. 94E		Depth 220'		Bearing		Dep. 9401.09		Depth 67.06		Bearing		R-50		
Footage	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.		TV-1	back-
0-15.24			No sample										c.p.m.	ground 1500
15.24-18.29			Med grained, grey, Qtz. & Feld sand - 5% black, 1% green, particles coal up to 5mm										1500	
18.29-21.32			Same except - 5% black, 1% green grains										1500	
21.32-24.38			Same except - 1% black, Tr. green, Tr. rusty grains										1500	
24.38-27.43			Same except - 1% black, Tr. green, Tr. rusty grains										1300	
27.43-30.48			Same										1500	
30.48-33.53			Same										1500	
33.53-36.58			Coarse grained, grey, Qtz & Feld sand - 1% black, 1% green, Tr. rusty grains										1500	
36.58-39.62			Same but with Tr. sulphides										2000	
39.62-42.67			Med. grained, grey, Qtz. & Feld sand - 1% black, 1% green, Tr. rusty grains										1500	
42.67-45.72			Coarse grained, grey, Qtz. & Feld sand - 1% black, 1% green, Tr. rusty grains										1500	
45.72-48.77			Same except - 1% black, 5% green, Tr. rusty grains										1500	
48.77-51.82			Fine grained, grey, Qtz. & Feld sand - 1% black, 1% green grains										1700	
51.82-54.86			Same except - 1% black, 2% green, Tr. rusty grains										1500	
54.86-57.91			Same										1500	

DATE June 24, 1977

LOGGED BY W.I. Nelson *W.I. Nelson*

NORANDA EXPLORATION COMPANY, LIMITED

Collared 22 June	Completed 22 June	Core Size NW-Tricone	Property Tyee-Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat.	Elev.	Dip Vertical
Dep.	Depth 220'	Bearing	Dep.	Depth 67.06M	Bearing
					Hole No. R-50

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.	TV-1
57.91-60.96			Fine grained, grey, Qtz. & Feld sand - 1% black, 5% green, Tr. rusty grains					c.p.m. 1500
60.96-64.01			Med. grained, greenish grey, Qtz. & Feld sand - 10% green, 1% black, Tr. rusty grains					1500
64.01-67.06			Fine grained, greenish grey, Qtz. & Feld sand - 1% black, 10% green, Tr. rusty & Tr. pyrite					1500
			End of Hole 67.06M					
			Hard At 59.13M and Soft again at 60.96					
			Drilled by Phil Lindenback with NW-Tricone & Rods					

DATE 24 June 1977 LOGGED BY W.I. Nelson

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 23/77	Completed June 23/77	Core Size NW-Tricone	Property Tye-Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat. 97N	Elev.	Dip	Lat.	Elev.	Dip Vertical
Dep. 94+50E	Depth 190'	Bearing	Dep.	Depth 57.91M	Bearing
					Hole No. R-51

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.			TV-1	back-
0-12.19			No sample							c.p.m.	ground 1300
12.19-15.24			Med. grained, grey, Qtz. & Feld sand - 2% black, Tr. green							1500	
15.24-18.29			Same							2100	
18.29-21.32			Same							1700	
21.32-24.38			Fine grained, grey, Qtz. & Feld sand - 1% black, Tr. green, Tr. rusty							1700	
24.38-27.43			Same as above except - 1% black, Tr. green, Tr. rusty							2100	
27.43-30.48			Med. grained, grey, Qtz. & Feld sand - 1% black, Tr. green, Tr. rusty							2000	
30.48-33.53			Same as above except - Tr. black, Tr. green, Tr. rusty							2100	
33.53-36.58			Fine grained, grey, Qtz. & Feld sand - Tr. black, Tr. green, Tr. rusty							2100	
36.58-39.62			Med. grained, grey, Qtz. & Feld sand - Tr. black, Tr. green, Tr. rusty							2000	
39.62-42.67			Same							2200	
42.67-45.72			Coarse grained, grey, Qtz. & Feld sand - Tr. black, Tr. green, Tr. rusty							1700	
45.72-48.77			Same							2200	
48.77-51.82			Med. grained, grey, Qtz. & Feld sand - Tr. black, Tr. green, Tr. rusty							2000	
51.82-54.86			Fine grained, lighter grey, Qtz. & Feld sand - Tr. black, Tr. green, Tr. rusty							1800	

DATE June 25, 1977 LOGGED BY W.I. Nelson *W.I. Nelson P. Eng*

NORANDA EXPLORATION COMPANY, LIMITED

Collared			Completed			Core Size			Property <u>Tyce - Hydraulic</u>				Project No		NTS No.	
FIELD COORDINATES						SURVEYED COORDINATES						Sheet <u>2</u> of <u>2</u>				
Lat.		Elev.		Dip		Lat.		Elev.		Dip		Hole No.				
Dep.		Depth		Bearing		Dep.		Depth		Bearing		R-51				
Footage	Rec'y	Graphic Log	Description-					% Sulp.	Est. Grade	Sample No.	Lt.		TV-1			
54.86- 57.91			Fine grained, greenish grey, Qtz. & Feld sand - 1% black, Tr. green, 1% rusty										c.p.m. 1800			
			End of Hole: 57.91M													
			Hard At: 51.82M													
			Drilled by Phil Lindenbach with NW-Tricone & Rods													
			NB: Hole making small amount of water, limonite stain on water around hole													

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 24/77		Completed June 24/77		Core Size NW-Tricone		Property Tye - Hydraulic			Project No 61		NTS No. 82E			
FIELD COORDINATES						SURVEYED COORDINATES						Sheet 1 of 1		
Lat.		Elev.		Dip		Lat.		Elev.		Dip Vertical		Hole No.		
Dep.		Depth 140'		Bearing		Dep.		Depth 42.67M		Bearing		R-52		
Footage	Rec'y	Graphic Log	Description					% Sulp.	Est. Grade	Sample No.	Lt.		TV-1	back-ground
0-15.24			No sample										c.p.m.	1500
15.24-18.29			Coarse grained, grey, Qtz. & Feld sand - 5% black, 5% rusty, Tr. green grains										1500	
18.29-21.32			Fine grained, greenish grey, Qtz. & Feld sand - 5% black, Tr. rusty grains										1500	
21.32-24.38			Med. grained, light grey, Qtz. & Feld sand - 5% black 2% rusty, Tr. green grains										1200	
24.38-27.43			Same as above except - 5% black, 2% rusty, Tr. green grains										1500	
27.43-30.48			Same										1500	
30.48-33.53			Med. grained, grey, Qtz. & Feld sand - 1% black, 5% rusty, Tr. green grains										1300	
33.53-36.58			Same as above except - 1% black, 5% rusty, Tr. green grains										1300	
36.58-39.62			Same										1300	
39.62-42.67			Med. grained, darker grey, Qtz. & Feld sand - 5% black, 1% rusty, 1% green grains										1300	
			End of Hole 42.67M											
			Hard at 18.29 then gradually got harder											
			Drilled by Phil Lindenbach with NW Tricone & Rods											
			NB: Hole making small amount of water, Limonite stain on water around hole											

DATE June 25, 1977

LOGGED BY W.I. Nelson *W.I. Nelson Eng.*

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 25/77	Completed June 27/77	Core Size NW-Tricone	Property Typee - Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. 9701.29	Elev. 1244.44	Dip Vertical
Dep.	Depth 200'	Bearing	Dep. 9304.39	Depth 60.96M	Bearing
					Sheet 1 of 2
					Hole No. R-53

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.	TV-1	back-ground
0-15.24			No sample					c.p.m.	1300
15.24-18.29			Med. grained, dark grey, Qtz. & Feld sand - 25% black, 1% green, 1% rusty grains					1300	
18.29-21.32			Med. grained, light grey, Qtz. & Feld sand - 5% black, 1% green, Tr. rusty grains					1500	
21.32-24.38			Med. grained, grey, Qtz. & Feld sand - 5% black, 1% green, Tr. rusty grains					1500	
24.38-27.43			Med. grained, grey, Qtz. & Feld sand - 1% black, 1% green, Tr. rusty grains					1500	
27.43-30.48			Med. grained, grey, Qtz. & Feld sand - 1% black, 1% green, Tr. rusty grains					1500	
30.48-33.53			Same as above except - 1% black, 1% green, Tr. rusty grains and coal					2100	
33.53-36.58			Med. grained, grey, Qtz. & Feld sand - 1% black, 1% green, Tr. rusty grains					2100	
36.58-39.62			Same					2000	
39.62-42.67			Same					2000	
42.67-45.72			Same as above except - Tr. black, 1% green, Tr. rusty grains					2000	
45.72-48.77			Same as above except - Tr. black, 1% green, 1% rusty grains					2000	
48.77-51.82			Med. grained, light grey, Qtz. & Feld sand - Tr. black, 1% green, Tr. rusty, 1% pyrite					2000	
51.82-54.86			Same as above except - 1% black, 1% green, Tr. rusty, Tr. pyrite					1500	
54.86-57.81			Same as above except - 1% black, 2% green Tr. rusty, Tr. pyrite					1500	

DATE June 28, 1977 LOGGED BY W.I. Nelson *W.I. Nelson P. Eng.*

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 27/77	Completed June 27/77	Core Size NW-Tricone	Property Tye - Hydraulic			Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES				Sheet 2 of 2
Lat.	Elev.	Dip	Lat.	Elev.	Dip Vertical		Hole No.
Dep.	Depth	Bearing	Dep.	Depth	Bearing		R-53

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.		TV-1
57.91- 60.96			Med. grained, greenish grey, Qtz. & Feld sand - 1% black, 5% green, Tr. rusty, Tr. pyrite						C.p.m. 1500
			End of Hole: 60.96M						
			Hit Hard At: 46.94M and to 60.96 all firm drilling						
			Drilled by Phil Lindenbach with NW-Tricone & Rods						

DATE June 28, 1977 LOGGED BY W.I. Nelson *W.I. Nelson Peng*

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 28/77	Completed June 28/77	Core Size NW-Tricone	Property Tyee-Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat. 96+50N	Elev.	Dip	Lat. 9650.55	Elev. 1244.11	Dip Vertical
Dep. 93+18E	Depth 180'	Bearing	Dep. 9327.65	Depth 54.86M	Bearing
					Sheet 1 of 1
					Hole No. R-54

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.		TV-1	back-ground
0-15.24			No sample						c.p.m.	1200
15.24-18.29			Med. grained, grey, Qtz, & Feld sand - 10% black						1200	
18.29-21.32			Mix. of fine and coarse, grey, Qtz. & Feld sand - 10% black, Tr. green, Tr. rusty grains						1200	
21.32-24.38			Med. grained, grey, Qtz. & Feld sand - 10% black, Tr. green, Tr. rusty and coal?						1200	
24.38-27.43			Same as above except - 1% black, Tr. green, Tr. rusty grains						1300	
27.43-30.48			Coarse grained, grey, Qtz. & Feld sand - 1% black, Tr. green, Tr. rusty grains and coal?						1500	
30.48-33.53			Med. grained, grey, Qtz. & Feld sand - 1% black, Tr. green, Tr. rusty grains						2000	
33.53-36.58			Coarse grained, greenish grey, Qtz. & Feld sand - 1% black, 5% green grains.						1700	
36.58-39.62			Coarse grained, grey, Qtz. & Feld sand - 1% black, 3% green, grains						1700	
39.62-42.67			Same as above except - 1% black, 1% green, Tr. rusty grains						1700	
42.67-45.72			Same as above except - Tr. green, Tr. rusty grains						1500	
45.72-48.77			Fine to med. grained grey, Qtz. & Feld sand - 1% black, Tr. green, Tr. rusty Grains						1500	
48.77-51.82			Fine grained, grey, Qtz. & Feld sand - 2% black, Tr. green, Tr. rusty grains						1300	
51.82-54.86			Med. grained, grey, Qtz. & Feld sand - 5% black, Tr. green, Tr. rusty grains						1500	
			Hit Hard At: 53.64M until then not very hard. End of Hole: 54.86M Drilled by Phil Lindenbach with NW-Tricone & Rods							

DATE June 28, 1977 LOGGED BY W.I. Nelson *W.I. Nelson P. Eng.*

NORANDA EXPLORATION COMPANY, LIMITED

Collared June 29/77	Completed June 29/77	Core Size NW-Tricone	Property Tyee - Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. 9589.65	Elev. 1247.29	Dip Vertical
Dep.	Depth 110'	Bearing	Dep. 9650.47	Depth 33.53M	Bearing
					Sheet 1 of 1
					Hole No. R-55

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.			TV-1	back-ground
0-12.19			No sample							c.p.m.	1500
12.19-15.24			Fine grained, light grey, Qtz. & Feld sand - 5% black grains							1500	
16.24-18.29			Same							1500	
18.29-21.32			Same as above except - 2% black, Tr. green, Tr. rusty grains							1500	
21.32-24.38			Fine grained, greenish grey, Qtz. & Feld sand - 1% black grains							1500	
24.38-27.43			Same							1500	
27.43-30.48			Med. grained, grey, Qtz. & Feld sand - 1% black, Tr. green, Tr. rusty grains							1500	
30.48-33.53			Same as above except - 1% black, 1% green, 1% rusty grains							1500	
			End of Hole: 33.53M								
			Hit Hard: 28.96M								
			Drilled by Phil Lindenbach with NW Rods & Tricone								

DATE June 29/77 LOGGED BY W.I. Nelson *W.I. Nelson P. Eng*

NORANDA EXPLORATION COMPANY, LIMITED

Collared Aug. 7/77	Completed Aug. 9/77	Core Size	Property Tyee Hydraulic	Project No 61	NTS No. 82E/NW
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. 9894.60N	Elev. 1255.59m	Dip Vertical
Dep.	Depth	Bearing	Dep. 9324.42E	Depth 70.10m	Bearing
					Sheet 1 of 2
					Hole No. R-56

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.	TV-1
0- 15.24			Cuttings not saved				background	C.p.m. 800
15.24- 18.29			Dark gray glacial till 10% black					1300
18.29- 21.34			Same					1200
21.34- 24.39			Same					1000
24.39- 27.44			Same					800
27.44- 30.48			Same					1000
30.48- 33.53			Same					1100
33.53- 36.58			Same					1200
36.58- 39.62			Lighter gray 5% black					1800
39.62- 42.67			Same					2000
42.67- 45.72			Black fine grain					5400
45.72- 48.77			Black fine grain					8600
48.77- 51.82			Light gray 2% black					4200
51.82- 54.86			Same					1300
54.86- 57.91			Same 1% black					1800

DATE Aug. 9/77 LOGGED BY W.I. Nelson *W.I. Nelson P. Eng.*

NORANDA EXPLORATION COMPANY, LIMITED

Collared	Completed	Core Size	Property	Tye Hydraulic		Project No	61	NTS No.	82E/NW -		
FIELD COORDINATES			SURVEYED COORDINATES					Sheet 2 of 2			
Lat.	Elev.	Dip	Lat.	Elev.	Dip	Hole No.					
Dep.	Depth	Bearing	Dep.	Depth	Bearing	R-56					

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.		TV-1		
57.91- 60.96			Light grey 1% black						2000		
60.96- 64.01			Light grey 2% black						1600		
64.01- 67.06			Gray 1% black						1500		
67.06- 70.10			Dark gray 3% black						1600		
			End of Hole 70.10 meters = 230 feet								

DATE Aug. 9/77 LOGGED BY W.I. Nelson

NORANDA EXPLORATION COMPANY, LIMITED

Collared Aug. 16	Completed Aug. 16/77	Core Size HQ	Property Tye-Hydraulic	Project No 61	NTS No. 82E
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat. 10075.58	Elev. 1267.90	Dip Vertical
Dep.	Depth	Bearing	Dep. 9326.67	Depth 70.10M	Bearing
					Hole No. R-57

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.	background	TV-1
0-15.24			No sample						c.p.m.
15.24-18.29			Dk. grey, fine grained, Qtz. & Feld sand, 10% black grains						1200
18.29-21.34			Same						1000
21.34-24.39			Same						1200
24.39-27.44			Same						1300
27.44-30.48			Dk. grey, fine grained, Qtz. & Feld sand, 5% black grains						1300
30.48-33.53			Light grey, fine grained, Qtz. & Feld sand, 1% black grains						1600
33.53-36.58			Same						1600
36.58-39.62			Light grey, fine grained, Qtz. & Feld sand, 1% black, 1% green grains						2000
39.62-42.67			Light grey, fine grained, Qtz. & Feld sand, Tr. Black, Tr. green grains						2000
42.67-45.72			" " " " " " " " , 1% black grains						1800
45.72-48.77			" " " " " " " " , 1% black grains? coal						2400
48.77-51.82			" " " " " " " " , tr. black						2000
51.82-54.86			" " " " " " " " , Tr. black, 1% coal						2500
54.86-57.91			" " " " " " " " , Tr. black, Tr. green						2500

DATE Aug. 17, 1977

LOGGED BY W.I. Nelson *W.I. Nelson P. Eng.*

NORANDA EXPLORATION COMPANY, LIMITED

Collared <u>Aug. 16/77</u>	Completed <u>Aug. 16/77</u>	Core Size <u>HQ</u>	Property <u>Type-Hydraulic</u>	Project No <u>61</u>	NTS No. <u>82E</u>
FIELD COORDINATES			SURVEYED COORDINATES		
Lat.	Elev.	Dip	Lat.	Elev.	Dip <u>Vertical</u>
Dep.	Depth <u>230 ft.</u>	Bearing	Dep.	Depth <u>70.10M</u>	Bearing
					Hole No. <u>R-57</u>

Footage	Rec'y	Graphic Log	Description	% Sulp.	Est. Grade	Sample No.	Lt.		TV-1
57.91- 60.96			Light grey, fine grained, Qtz. & Feld sand, Tr. black, Tr. green grains.						C.P.M. 3600
60.96- 64.01			Med. grey, fine grained, Qtz. & Feld sand, 2% black, ? coal floating						9200
64.01- 67.06			Camel brown, fine grained, Qtz. & Feld sand, 1% black, minor rusty grains						3000
67.06- 70.10			Same						1600
			End of Hole: 70.10M or 230 feet						
			Drilled by Rosaire Beaupre with Tricone Bit						

DATE August 17/77 LOGGED BY W.I. Nelson

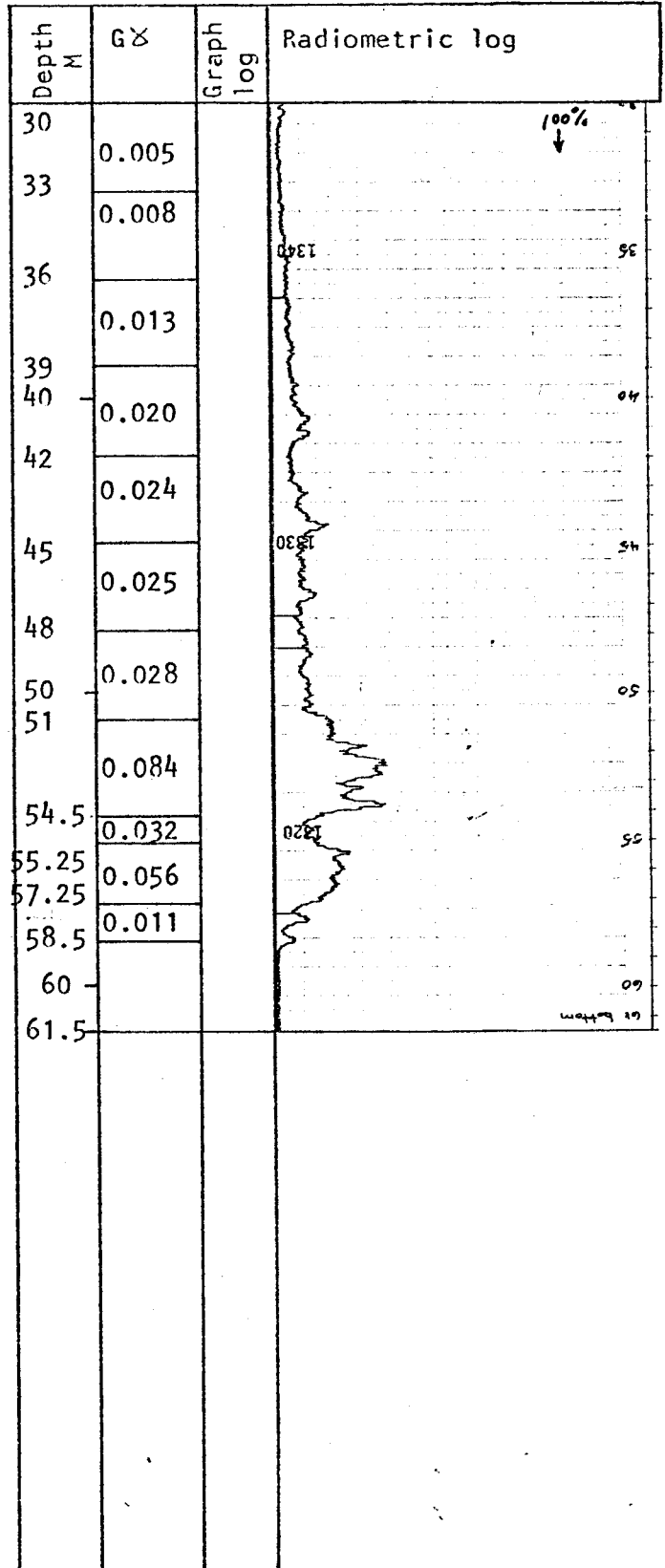
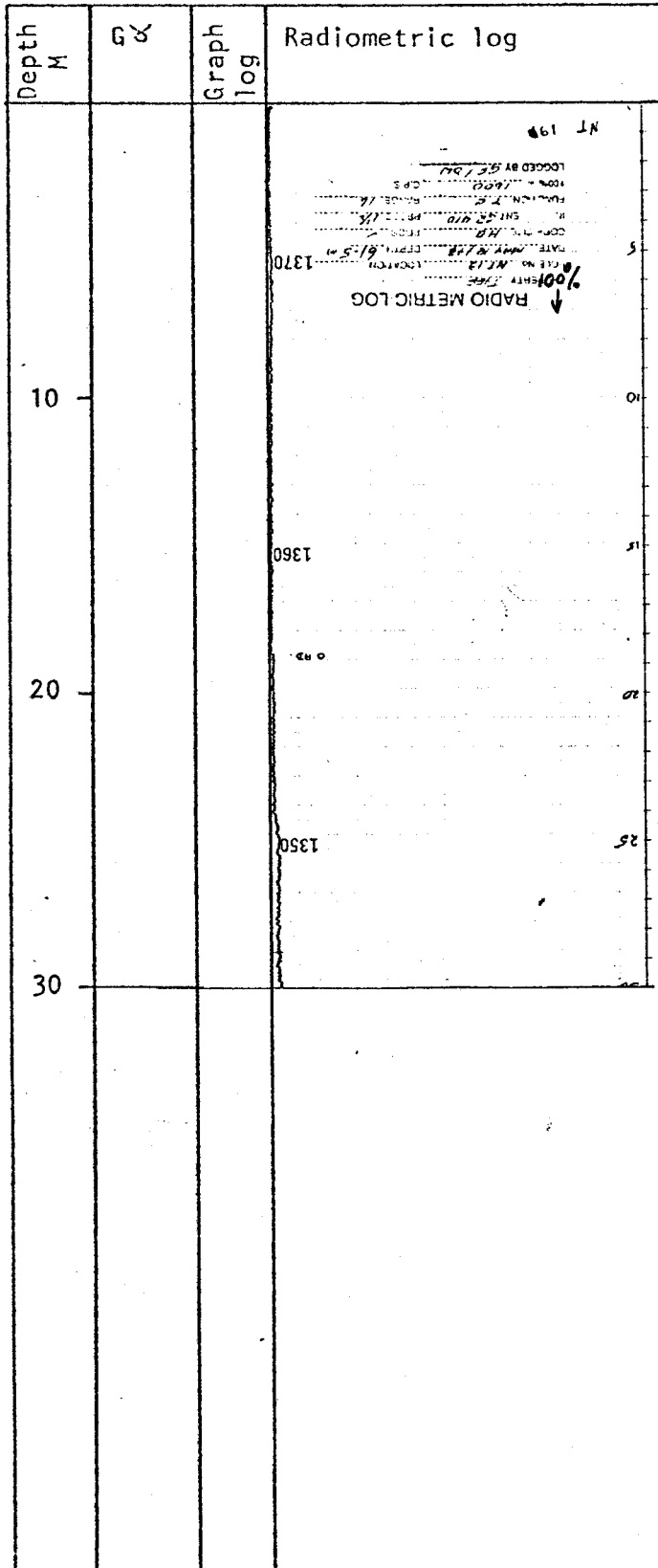
RADIOMETRIC LOGS

RADIOMETRIC LOG

Property: Tyee Date 18/5/77 Hole No. NT-19
 Co-ordinates Lat. 9973.38 N. Elevation 1260.46 m Depth 62.79 m
 Dep. 9342.94 E. Core Size HQ Rods in hole
 Instrument: GR-410 Probe: 1.5" Exploranium
 Function: T.C. Range 16 100% Chart= 1600 c.p.s.

G₂ = %U₃O₈ Equivalent

Probed by: L.B.



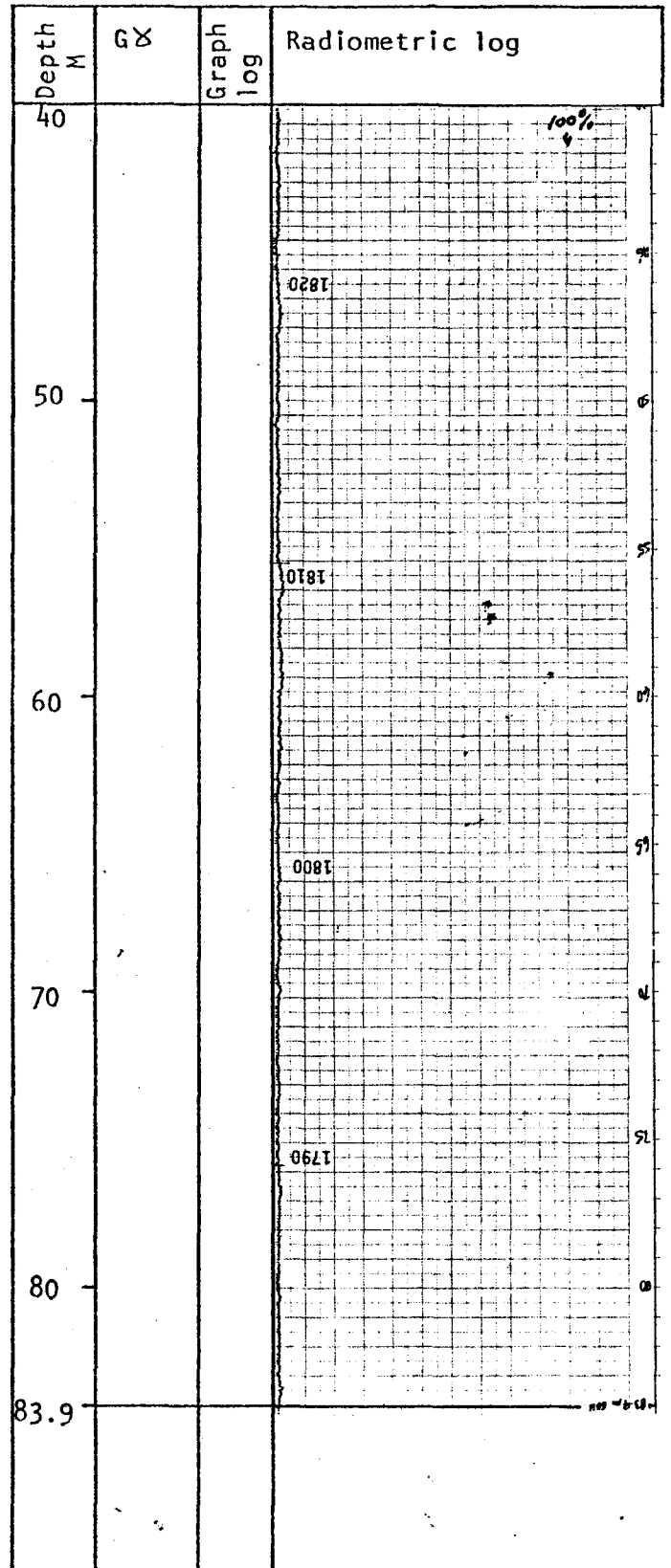
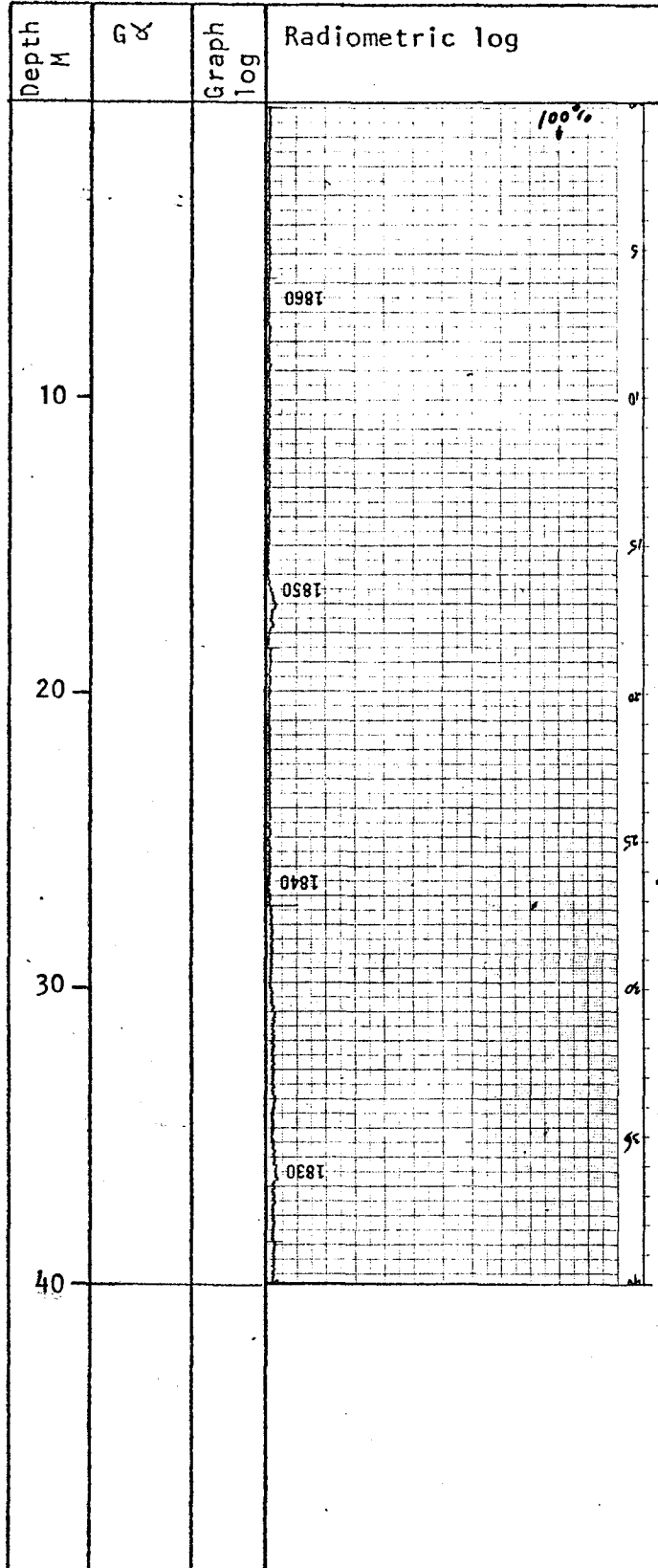
RADIOMETRIC LOG

Property: Tyee Date 01/6/77 Hole No. NT-20
 Co-ordinates Lat. 112+50 N. Elevation _____ m Depth 85.95 m
 Dep. -87+00 E. Core Size BQ Rods in hole

Instrument: GR-410 Probe: 1.5" Exploranium
 Function: T.C. Range 16 100% Chart= 1600 e.p.s.

$G\gamma = \%U_3O_8$ Equivalent

Probed by: L.B.

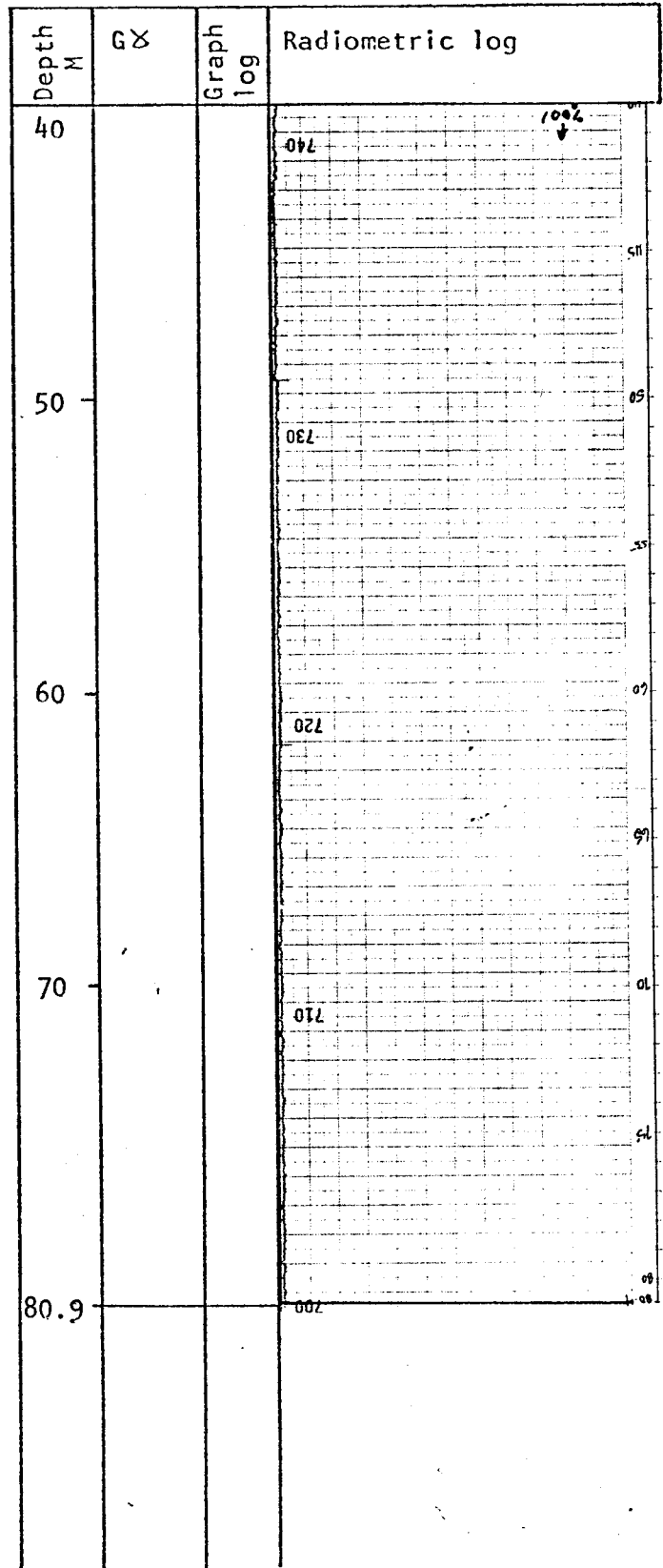
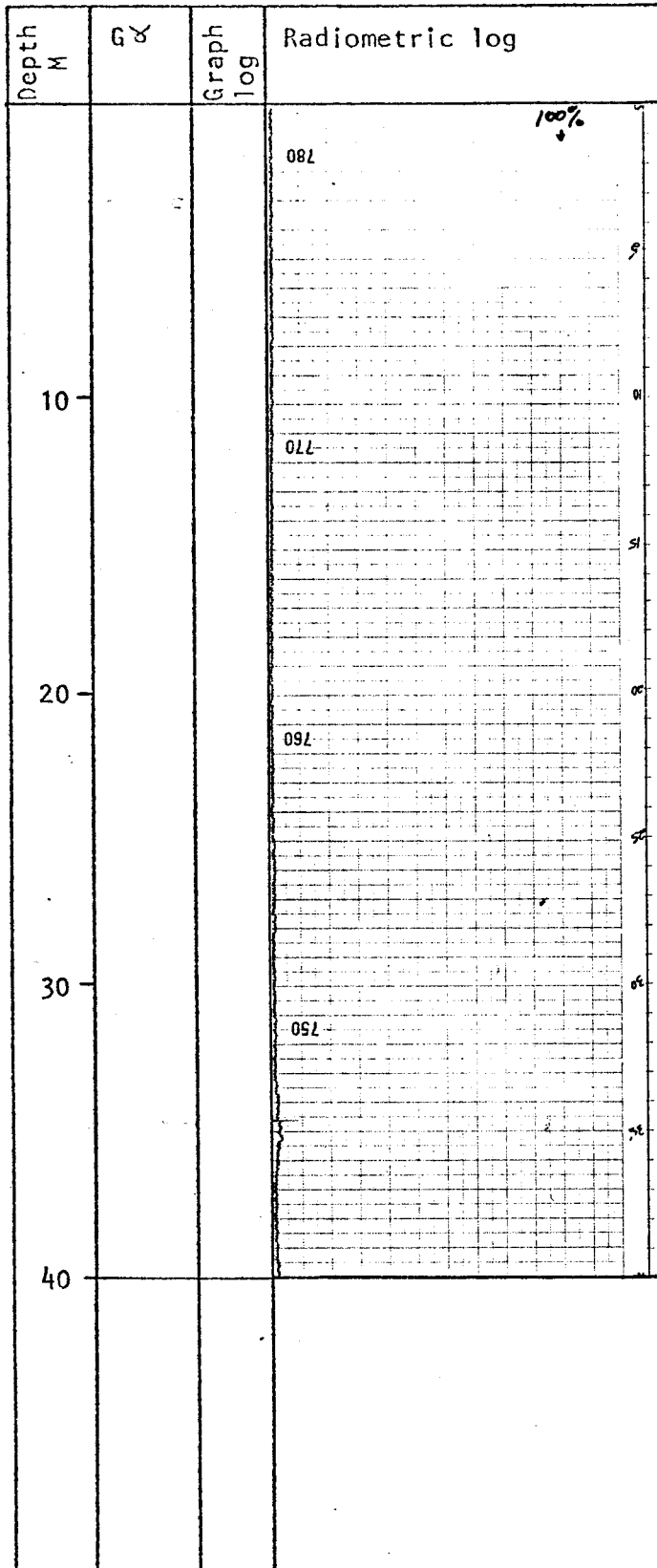


RADIOMETRIC LOG

Property: Tyee Date 03/6/77 Hole No. NT-21
 Co-ordinates Lat. 115+00 N. Elevation _____ m Depth 82.91 m
 Dep. 86+00 E. Core Size BQ Rods in hole
 Instrument: GR-410 Probe: 1.5" Exploranium
 Function: T.C. Range 16 100% Chart= 1600 c.p.s.

$G\gamma = \%U_3O_8$ Equivalent

Probed by: L.B.



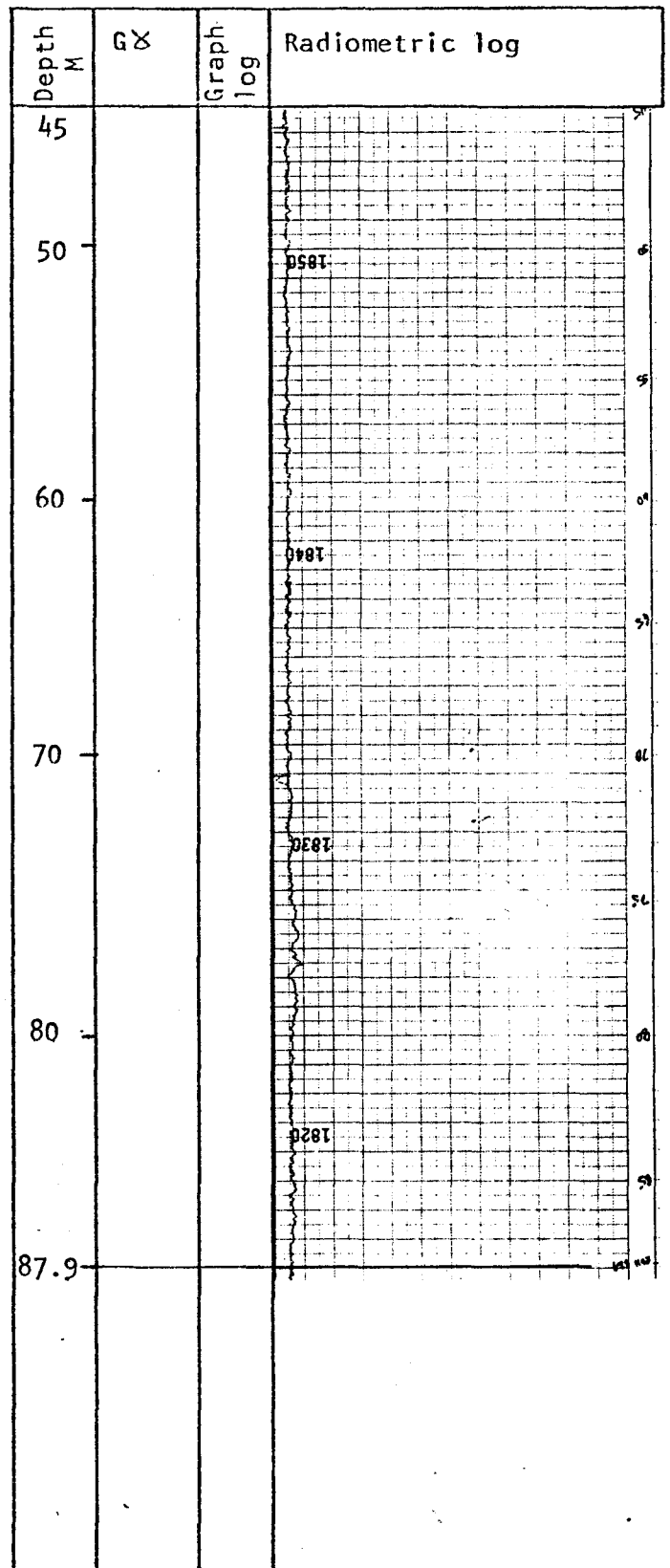
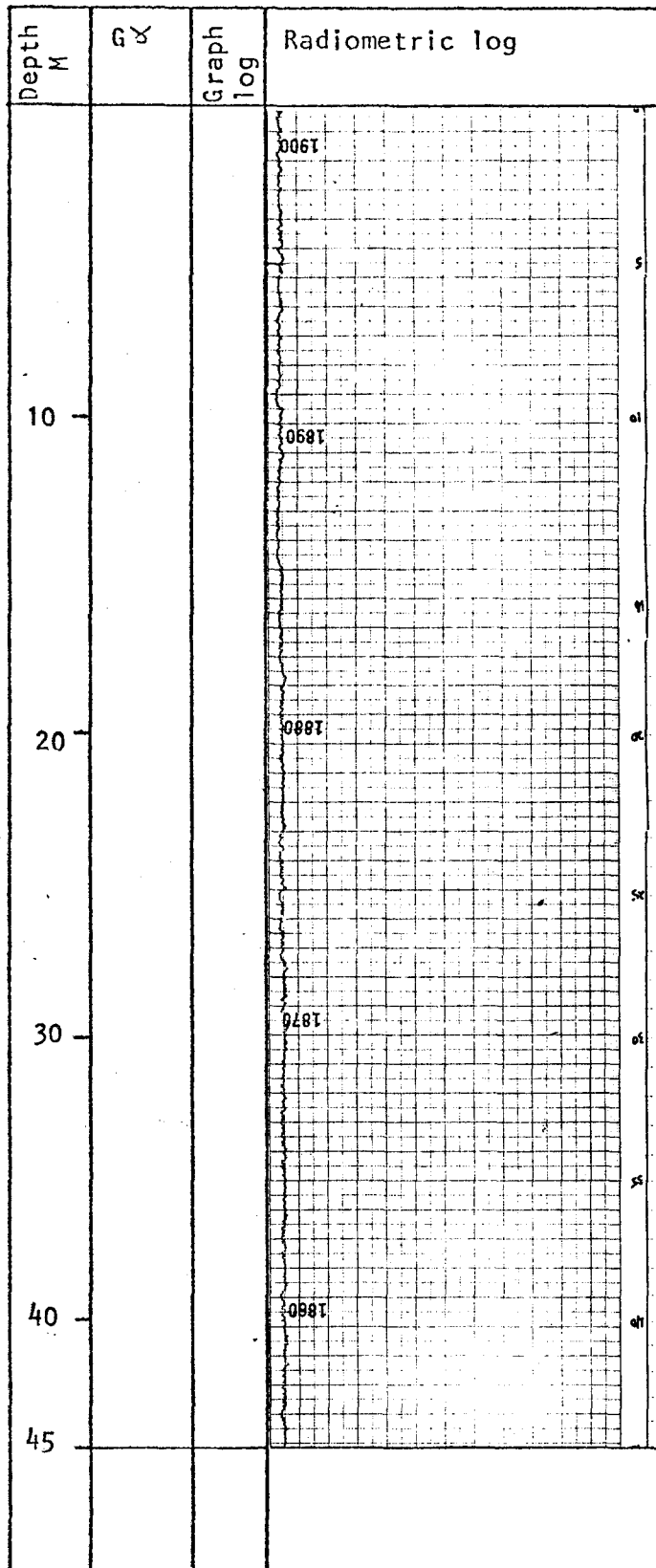
Noranda Exploration Company, Limited

RADIOMETRIC LOG

Property: Tyee Date 08/6/77 Hole No. NT-22
 Co-ordinates Lat. 110+00 N. Elevation _____ m Depth 87.78 m
 Dep. 87+00 E. Core Size BQ Rods in hole
 Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 100% Chart= 800 c.p.s.

$G\gamma = \%U_3O_8$ Equivalent

Probed by: L.B.

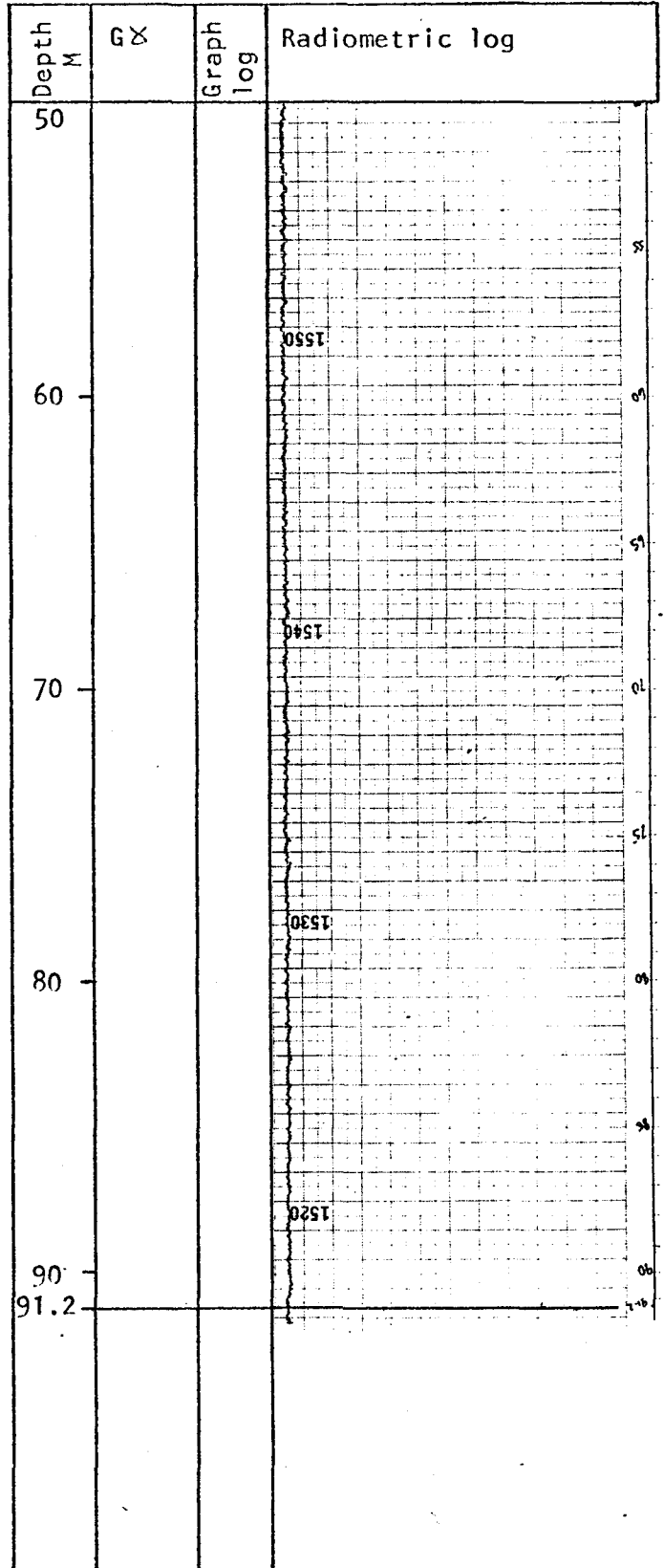
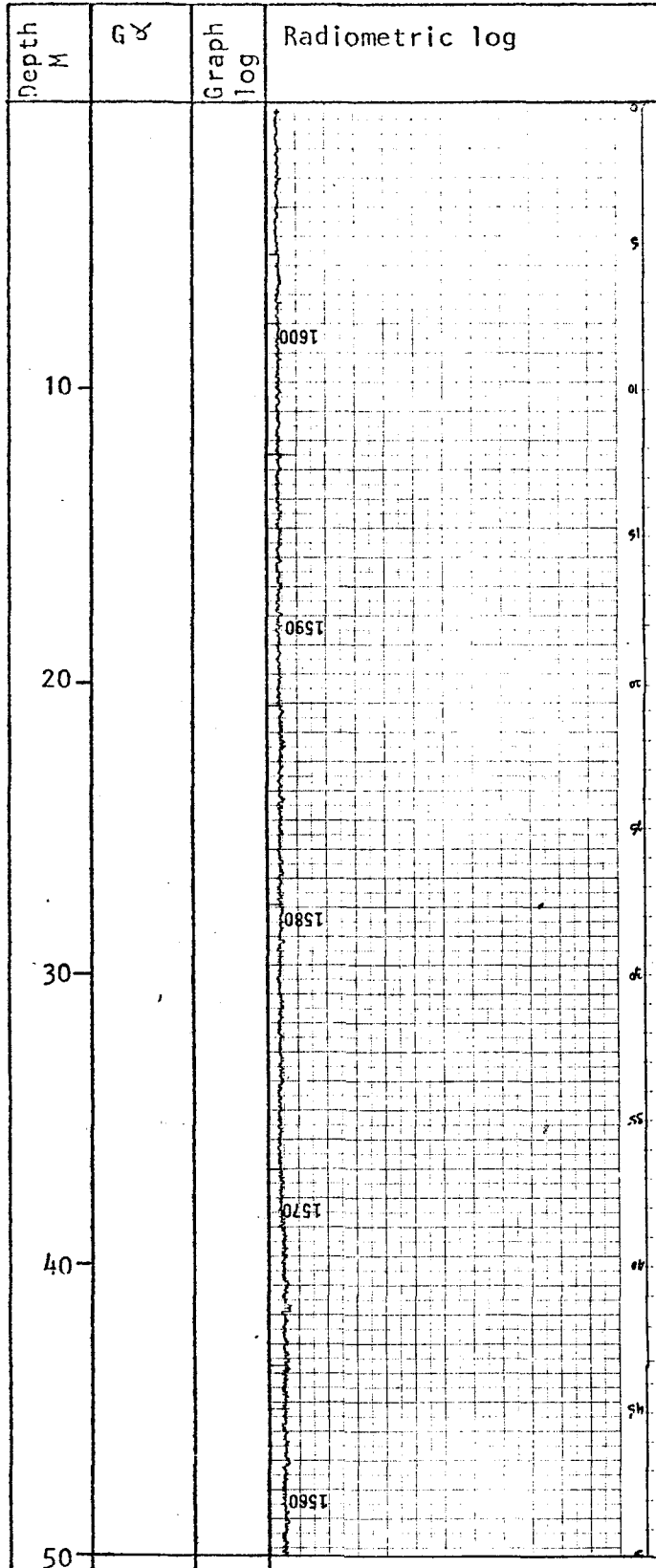


RADIOMETRIC LOG

Property: Type Date 08/6/77 Hole No. NT-23
 Co-ordinates Lat. 126+50 N. Elevation _____ m Depth 06.32 m
 Dep. 80+00 E. Core Size BQ Rods in hole
 Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 100% Chart= 800 c.p.s.

$G^2 = \%U_3O_8$ Equivalent

Probed by: L.B.



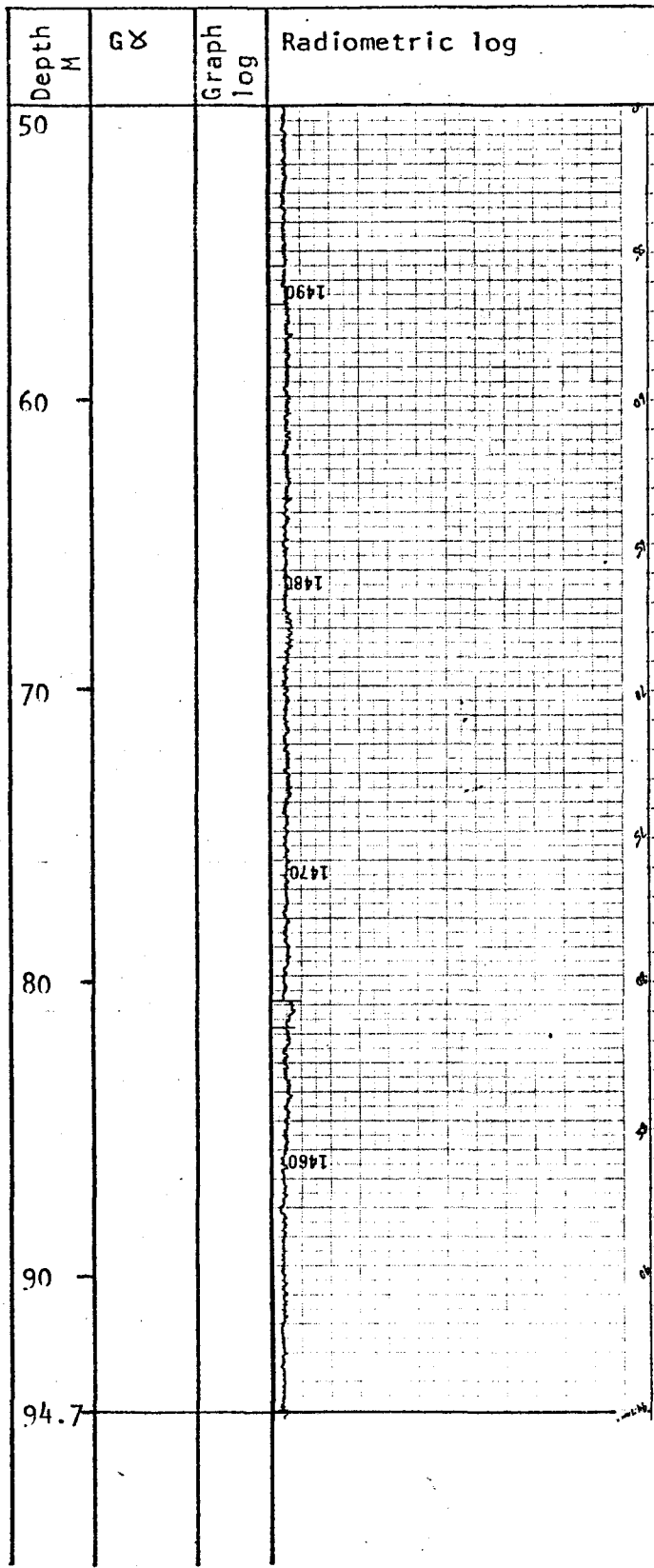
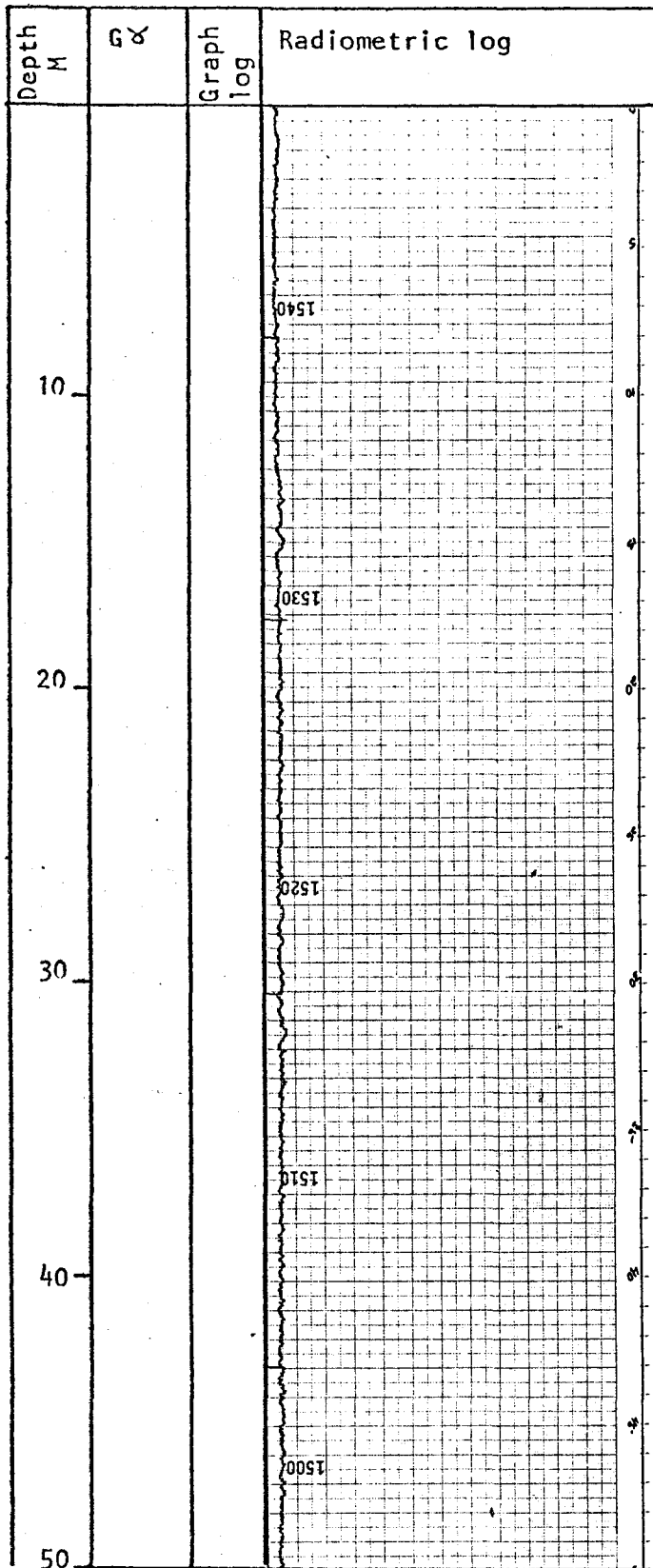
Noranda Exploration Company, Limited

RADIOMETRIC LOG

Property: Tyee Date 11/6/77 Hole No. NT-24
 Co-ordinates Lat. 111+50 N. Elevation _____ m Depth 94.79 m
 Dep. 85+00 E. Core Size BQ rods Rods in hole
 Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 100% Chart = 800 c.p.s.

$G\gamma = \%U_3O_8$ Equivalent

Probed by: L.B.



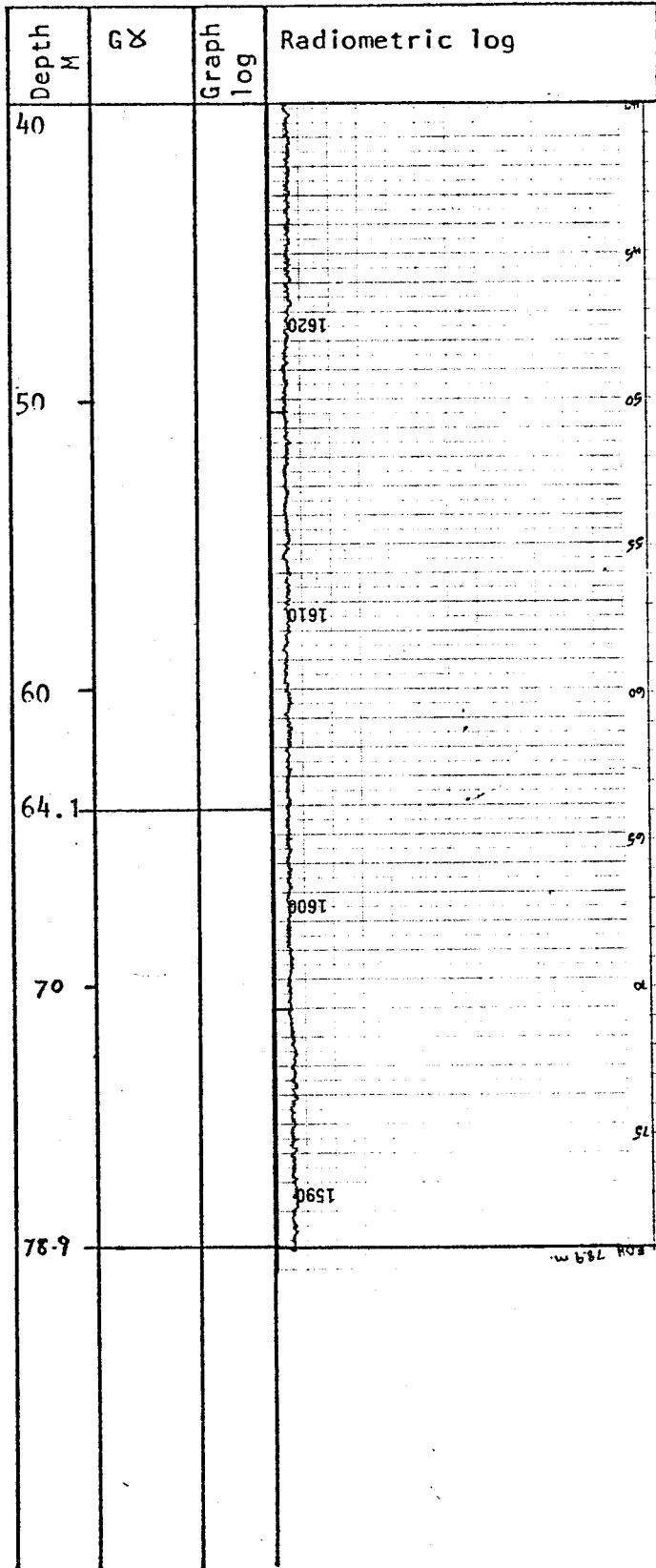
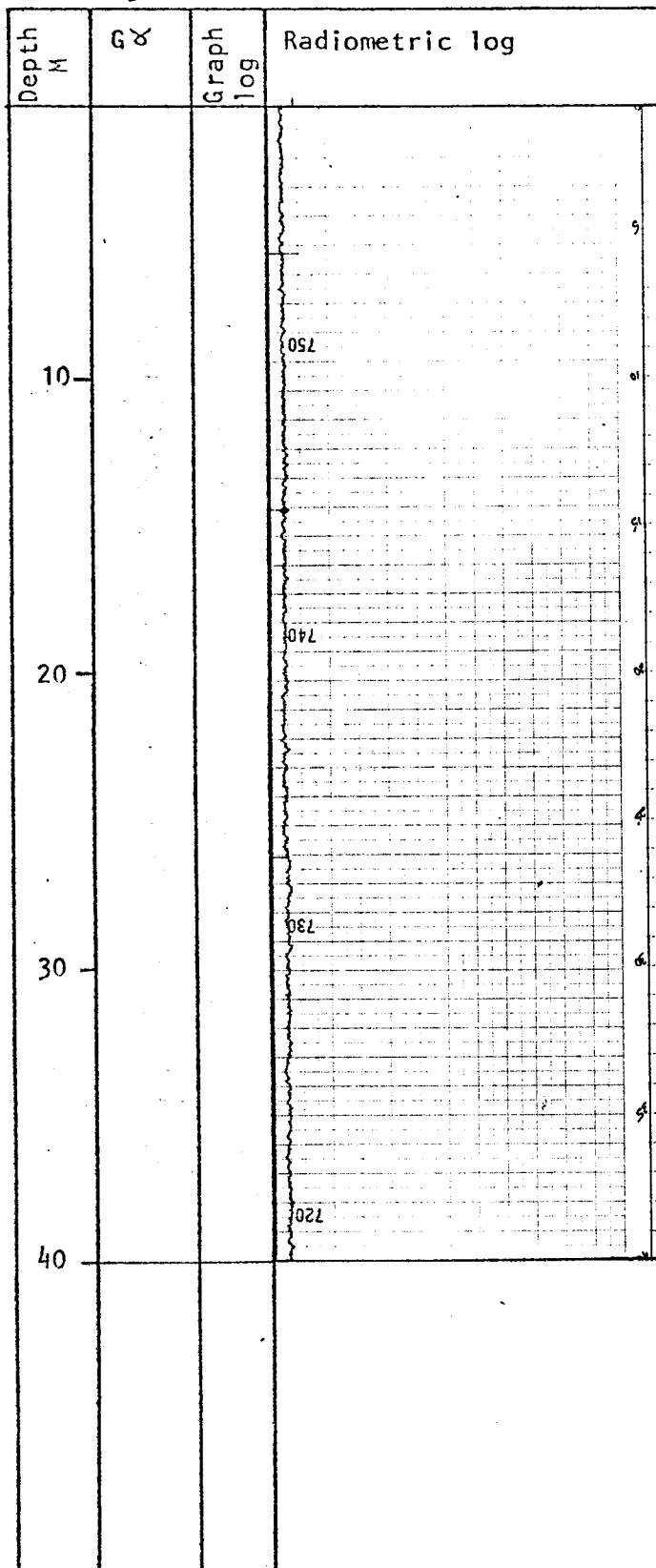
Noranda Exploration Company, Limited

RADIOMETRIC LOG

Property: Type Date 12/6/77 Hole No. NT-25
 Co-ordinates Lat. 128+50 N. Elevation _____ m Depth 80.47 m
 Dep. 77+00 E. Core Size BQ rods Rods in hole
 Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 100% Chart= 800 c.p.s.

$G^x = \%U_3O_8$ Equivalent

Probed by: _____

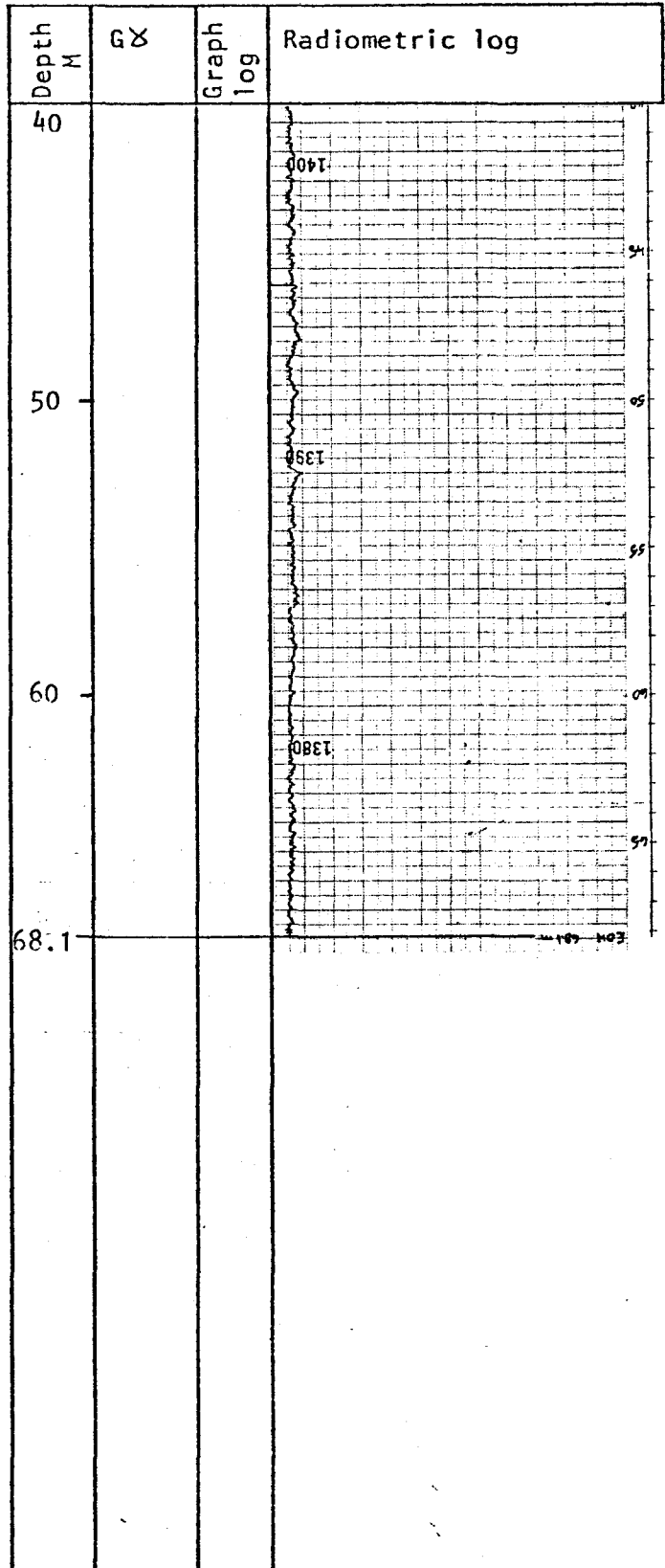
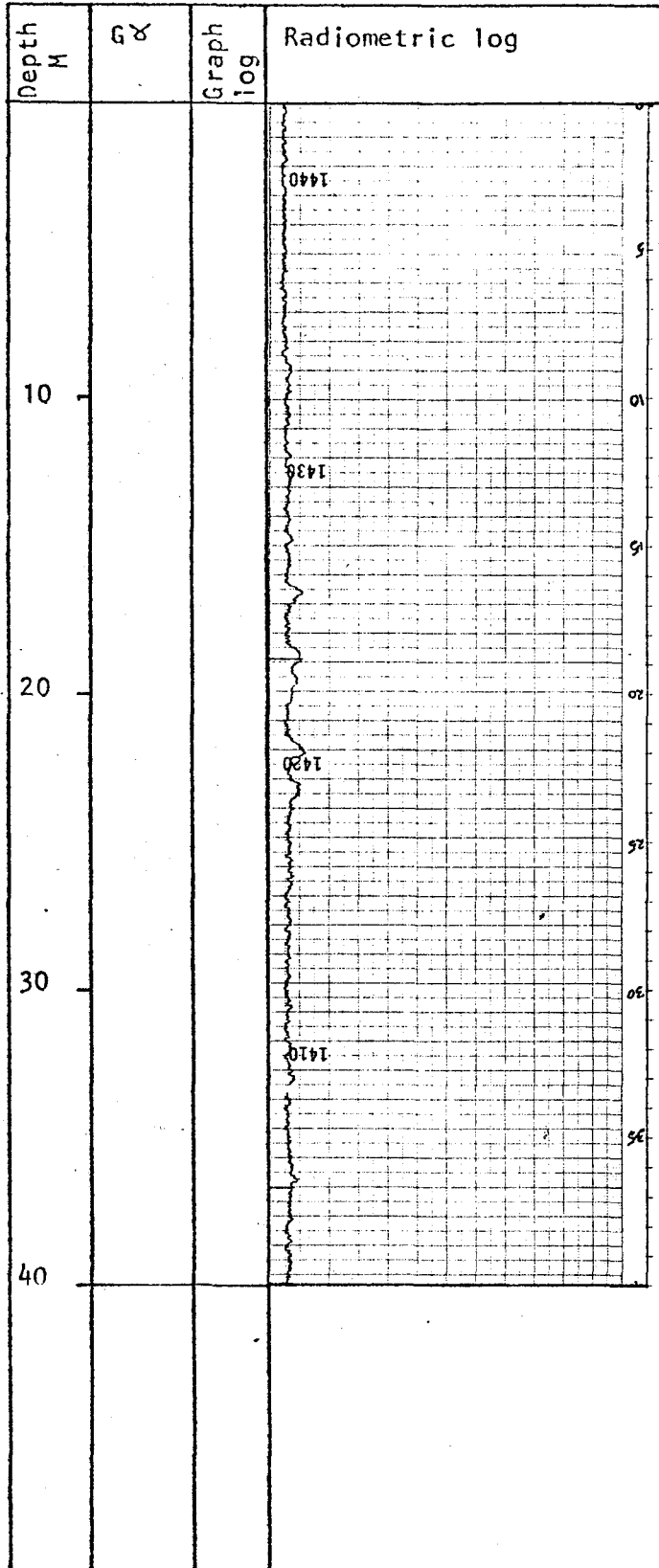


RADIOMETRIC LOG

Property: Tyee Date 14/6/77 Hole No. NT-26
 Co-ordinates Lat. 89+50 N. Elevation _____ m Depth 71.93 m
 Dep. 96+50 E. Core Size BQ rods Rods in hole
 Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 100% Chart= 800 c.p.s.

$G\gamma = \%U_3O_8$ Equivalent

Probed by: GF & AD

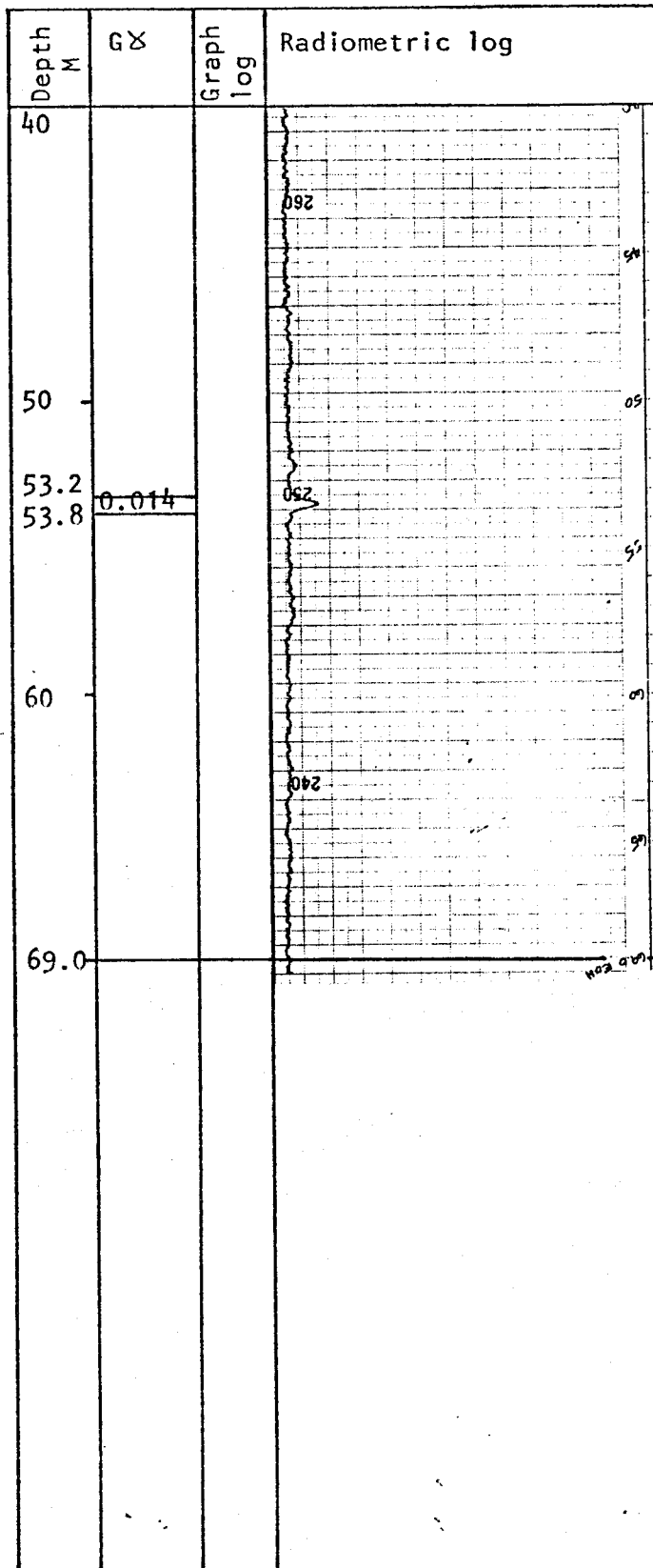
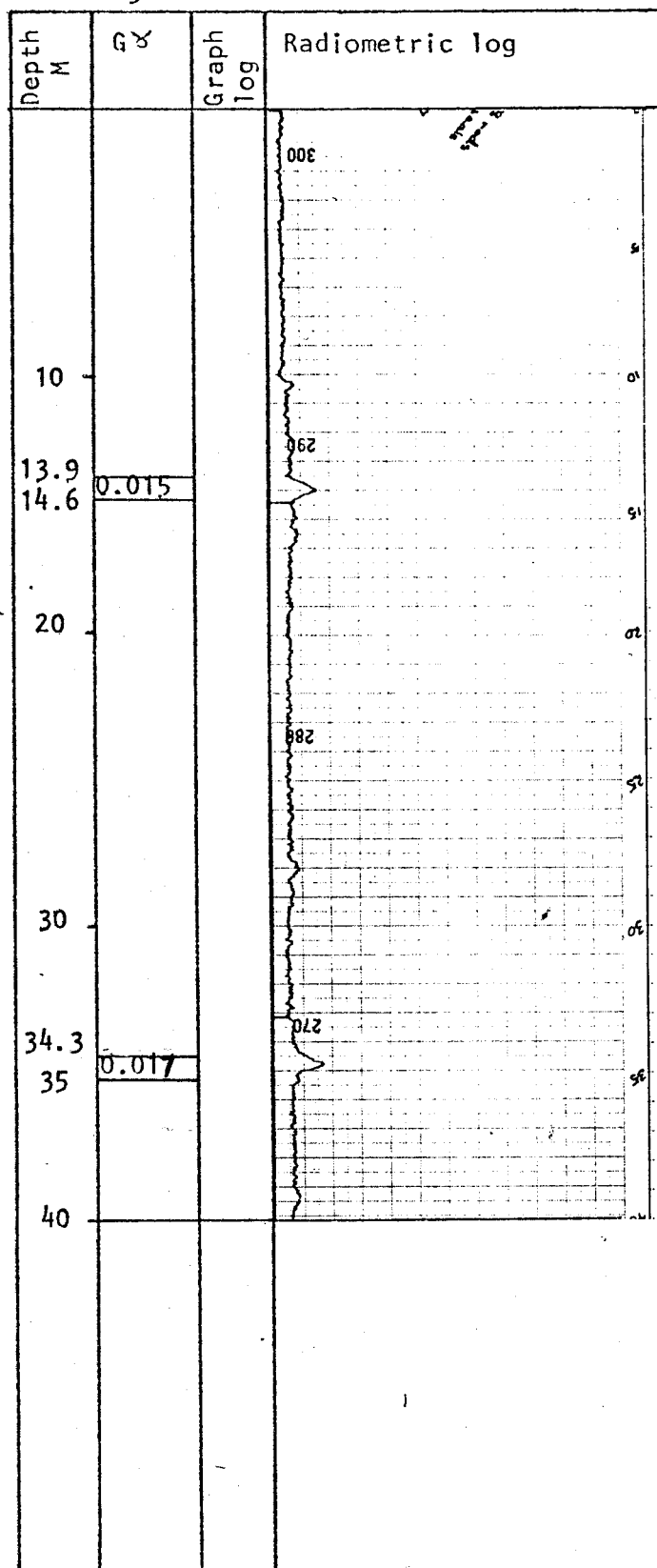


RADIOMETRIC LOG

Property: Tyee Date 16/6/77 Hole No. NT-27
 Co-ordinates Lat. 91+50 N. Elevation _____ m Depth 70.41 m
 Dep. 95+00 E. Core Size BQ Rods Rods in hole
 Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 100% Chart= 800 c.p.s.

G₂ = %U₃O₈ Equivalent

Probed by: GF & AD



RADIOMETRIC LOG

Property: Tyee Date 18/6/77 Hole No. NT-28

Co-ordinates Lat. 91+50 N. Elevation _____ m Depth 58.22 m

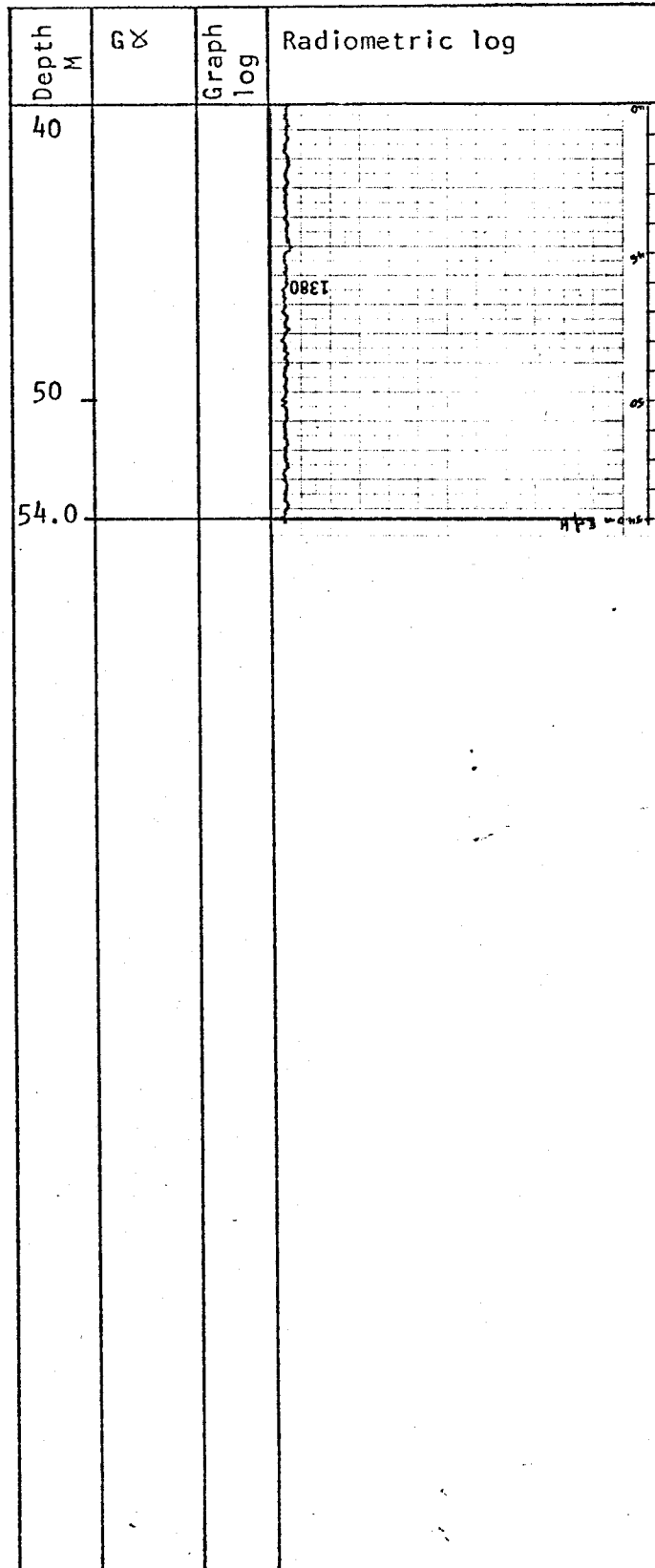
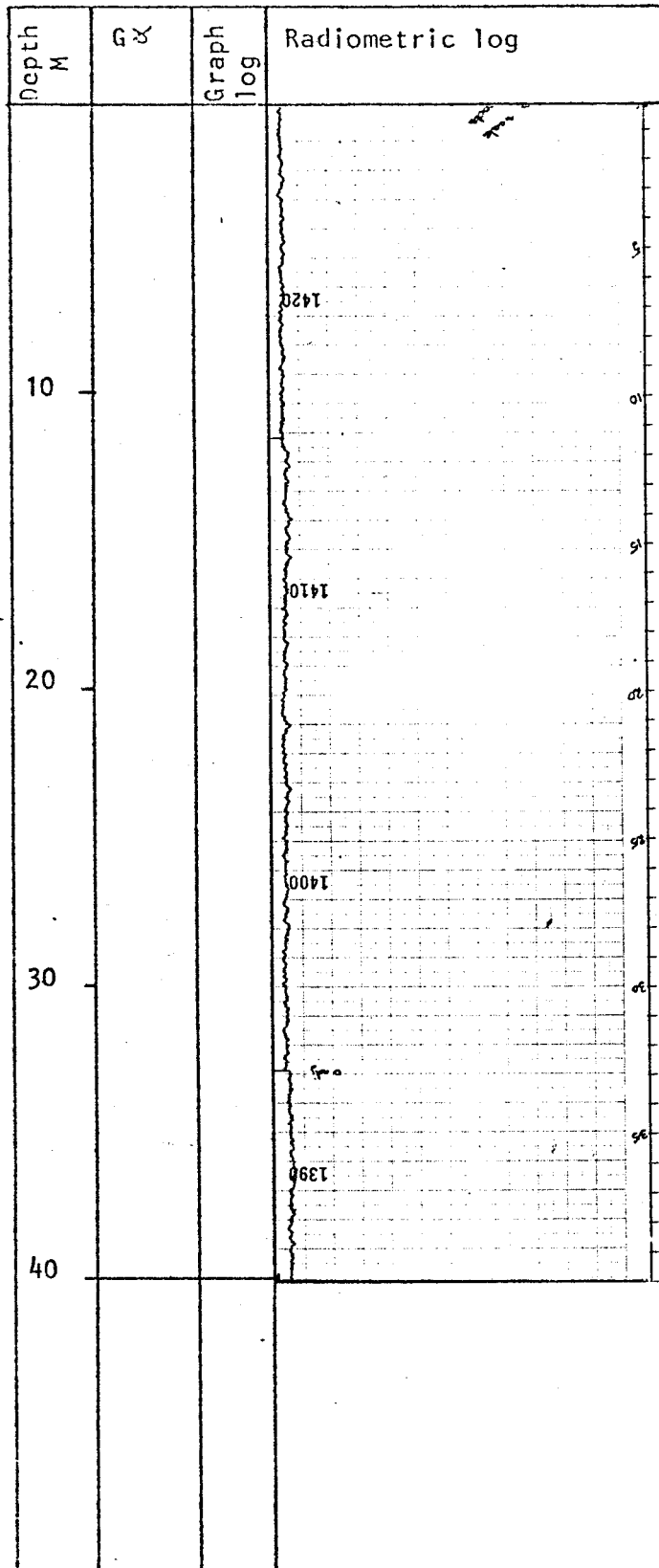
Dep. 92+50 E. Core Size BQ Rods Rods in hole

Instrument: GR-410 Probe: 1.25" Exploranium

Function: T.C. Range 8 100% Chart= 800 c.p.s.

$G^{\gamma} = {}^2U_3O_8$ Equivalent

Probed by: G.F. A.D.

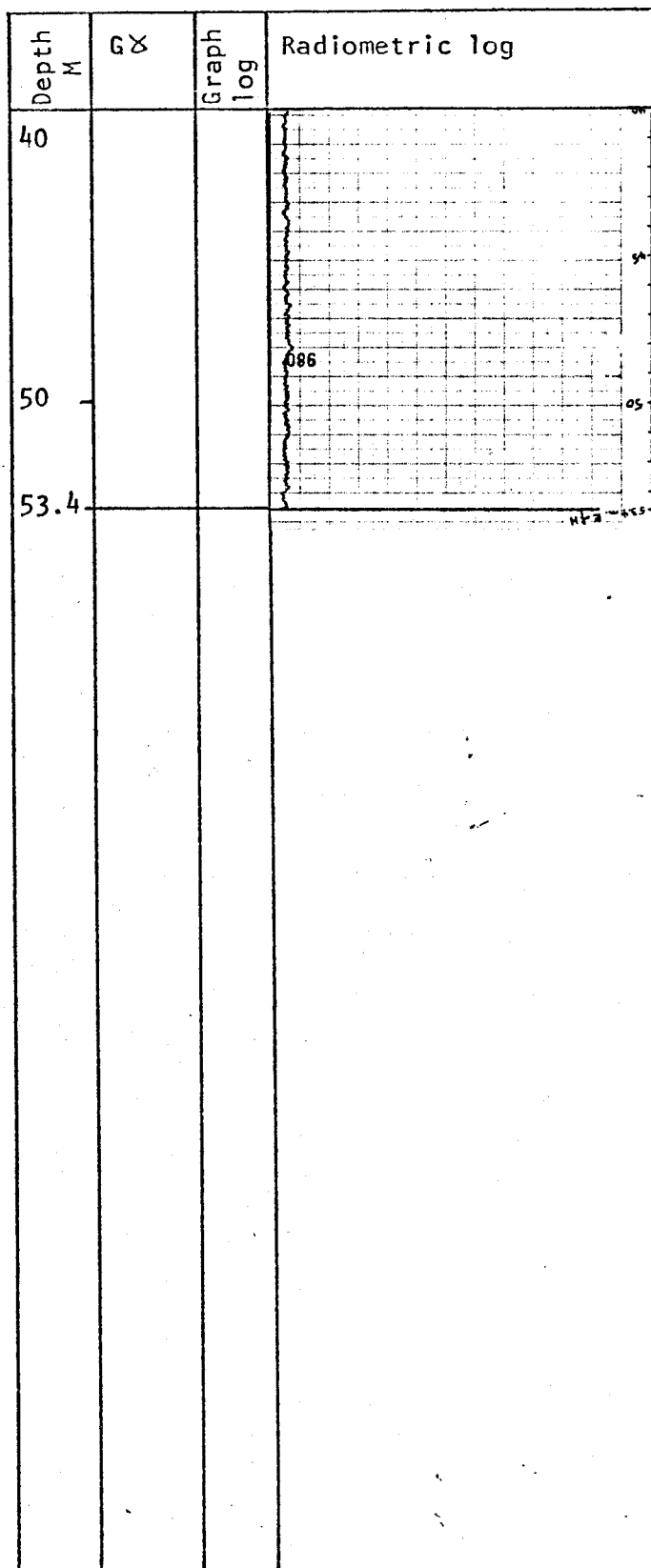
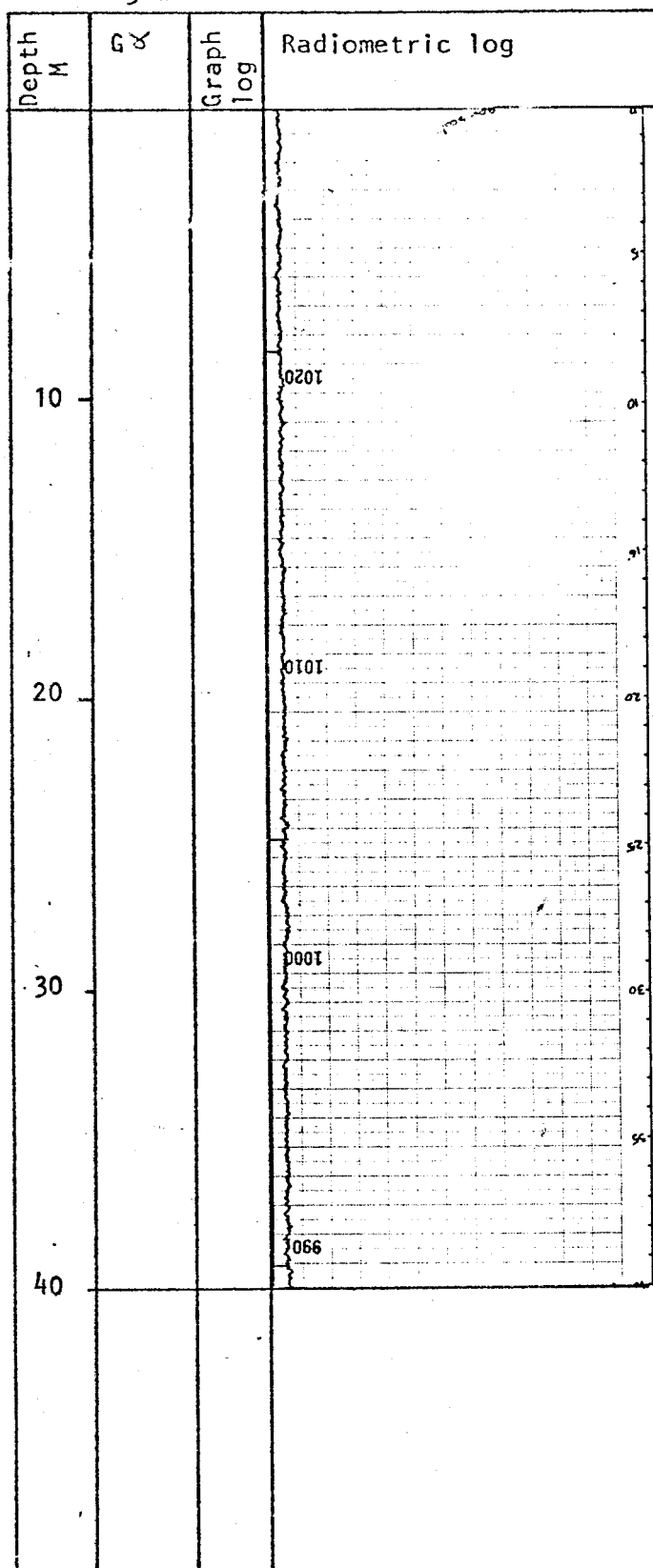


RADIOMETRIC LOG

Property: Type Date 19/6/77 Hole No. NT 29
 Co-ordinates Lat. 121+50 N. Elevation _____ m Depth 54.86 m
 Dep. 78+50 E. Core Size NW Rods Rods in hole
 Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 100% Chart= 800 c.p.s.

G₂ = %U₃O₈ Equivalent

Probed by: LCB & GF

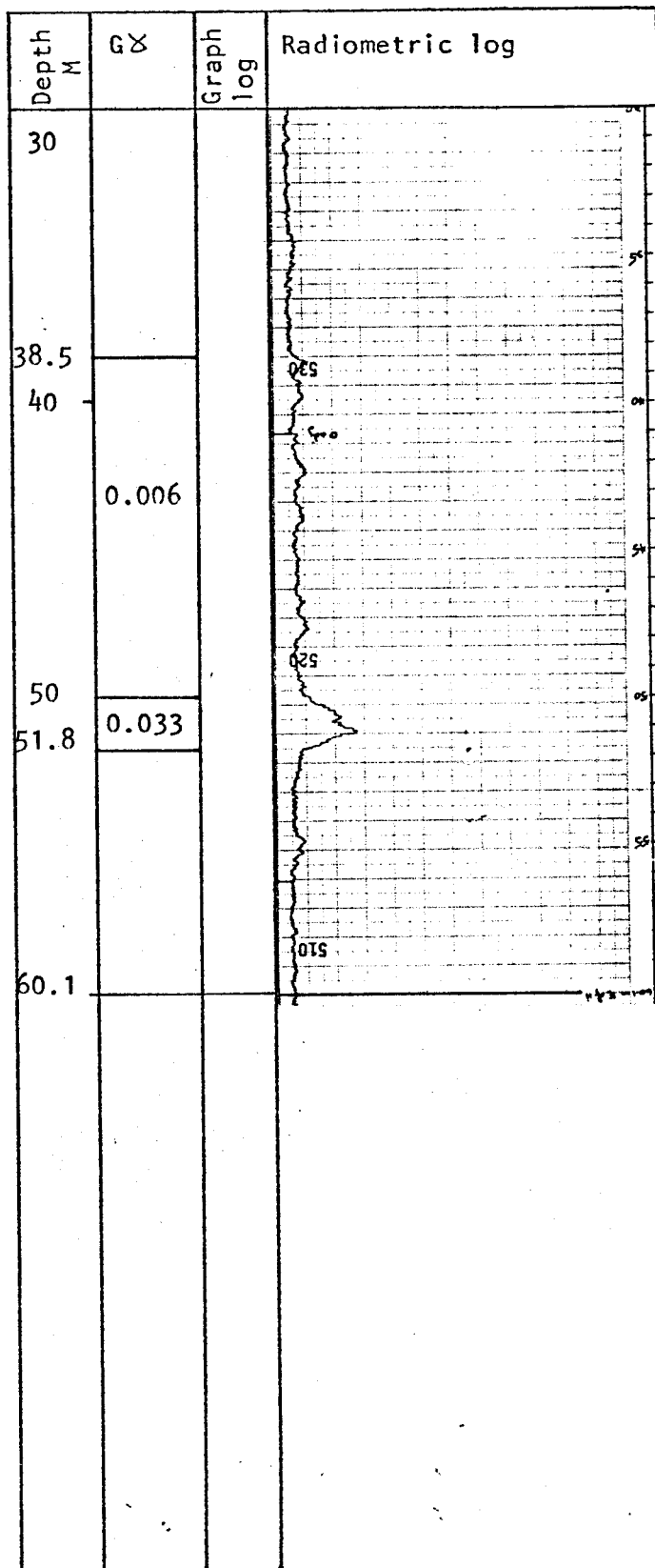
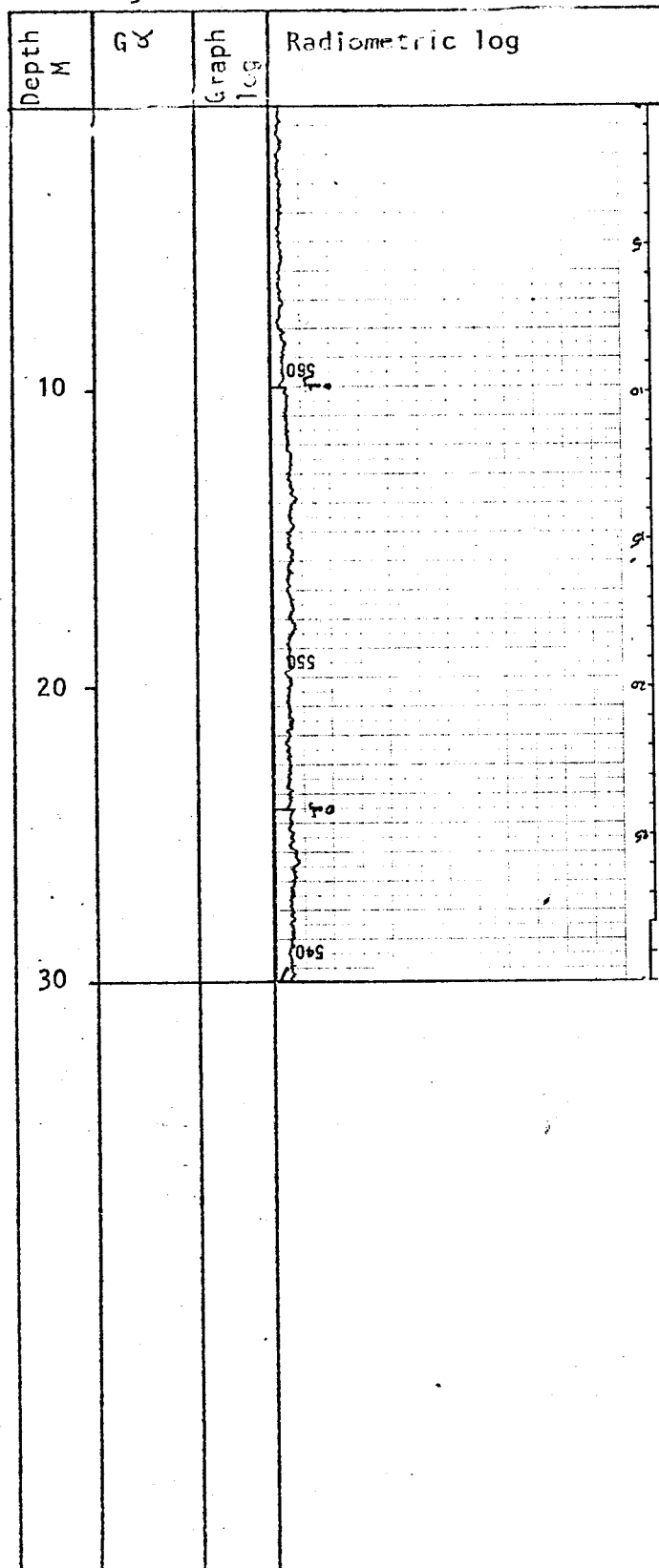


RADIOMETRIC LOG

Property: Tyee Date 20/6/77 Hole No. NT-30
 Co-ordinates Lat. 9392.51 N. Elevation 1262.24 m Depth 61.26 m
 Dep. 9356.36 E. Core Size B Rods Rods in hole
 Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 100% Chart= 800 c.p.s.

$G\gamma = \%U_{38}$ Equivalent

Probed by: LCB, GF

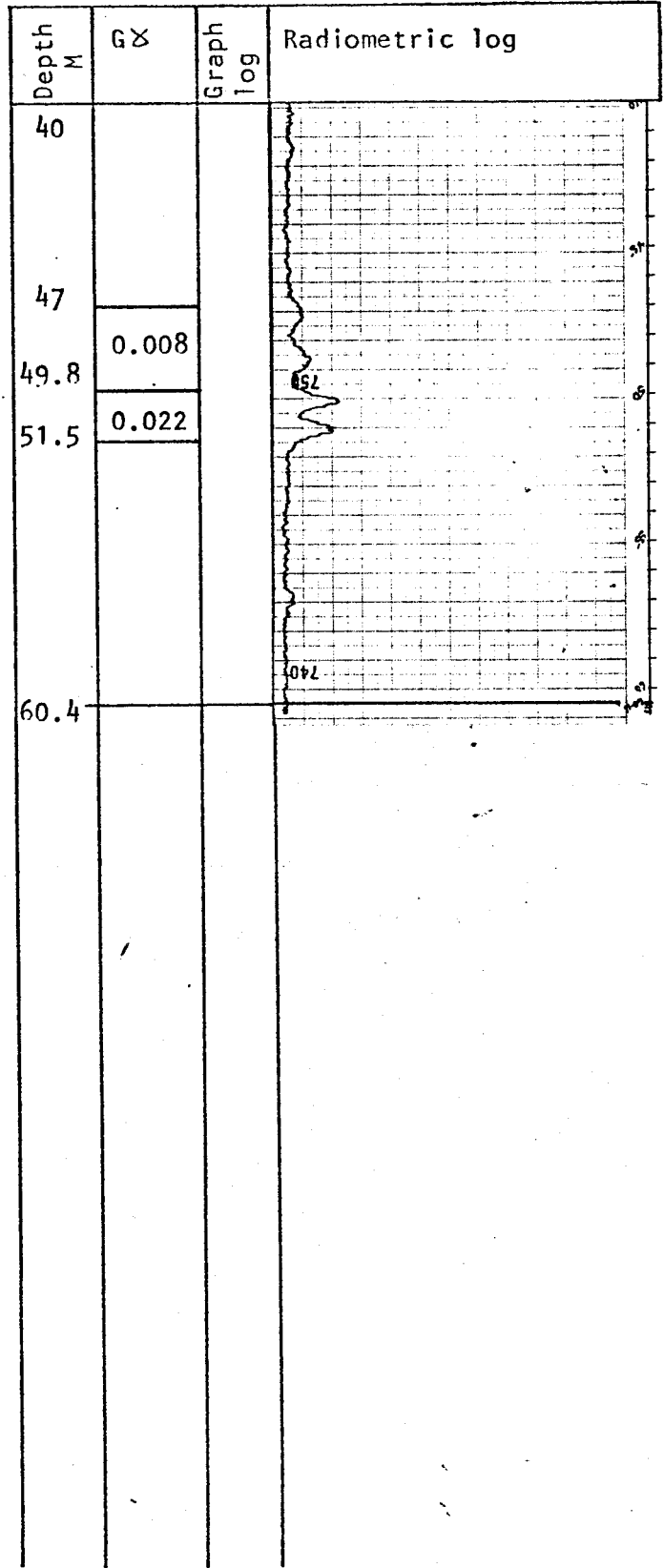
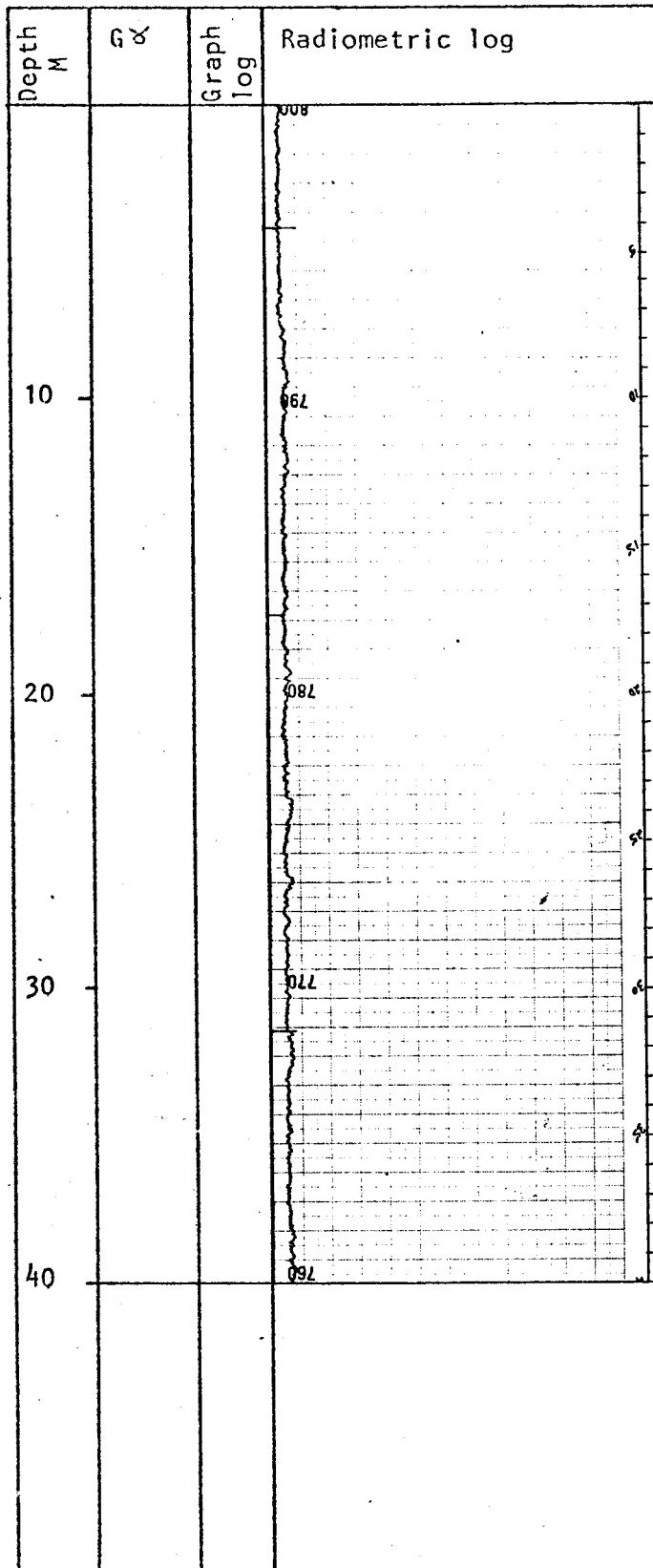


RADIOMETRIC LOG

Property: Tyee Date 22/6/77 Hole No. NT-31
 Co-ordinates Lat. 9504.87 N. Elevation 1263.39 m Depth 61.26 m
 Dep. 9304.81 E. Core Size BQ Rods Rods in hole
 Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 100% Chart = 800 c.p.s.

$G^x = \%U_3O_8$ Equivalent

Probed by: LCB, AD

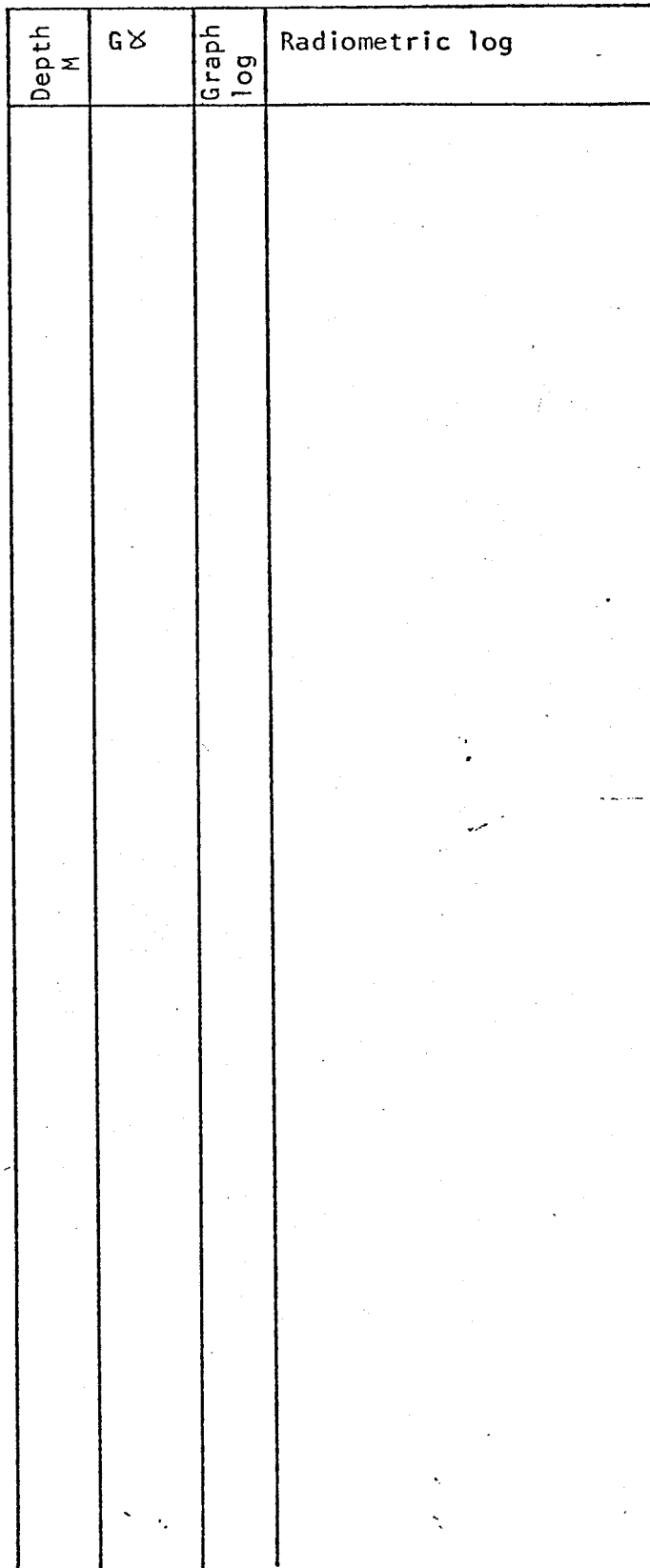
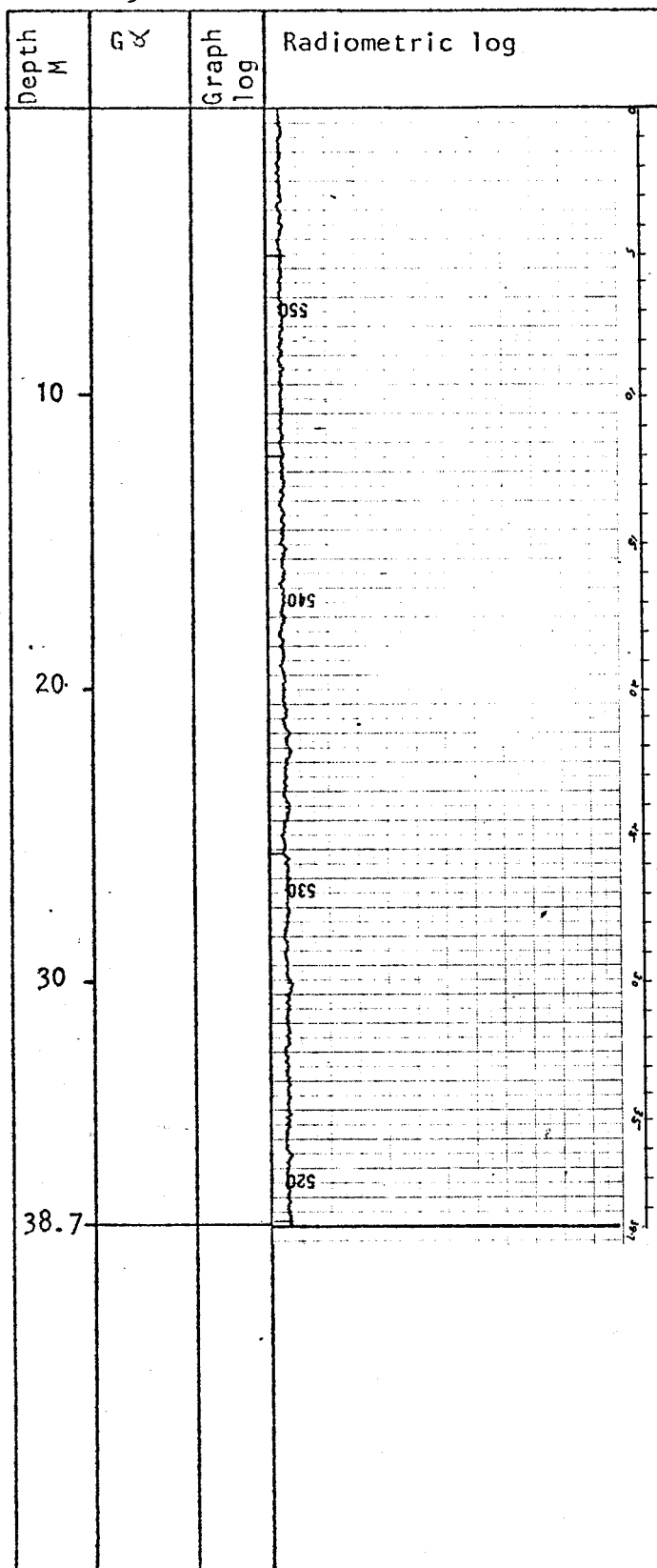


RADIOMETRIC LOG

Property: Tyee Date 22/6/77 Hole No. NT-32
 Co-ordinates Lat. 9765 N. Elevation _____ m Depth 39.62 m
 Dep. 10262 E. Core Size BQ Rods Rods in hole
 Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 100% Chart= 800 c.p.s.

G₂ = %U₃O₈ Equivalent

Probed by: LCB, AD



RADIOMETRIC LOG

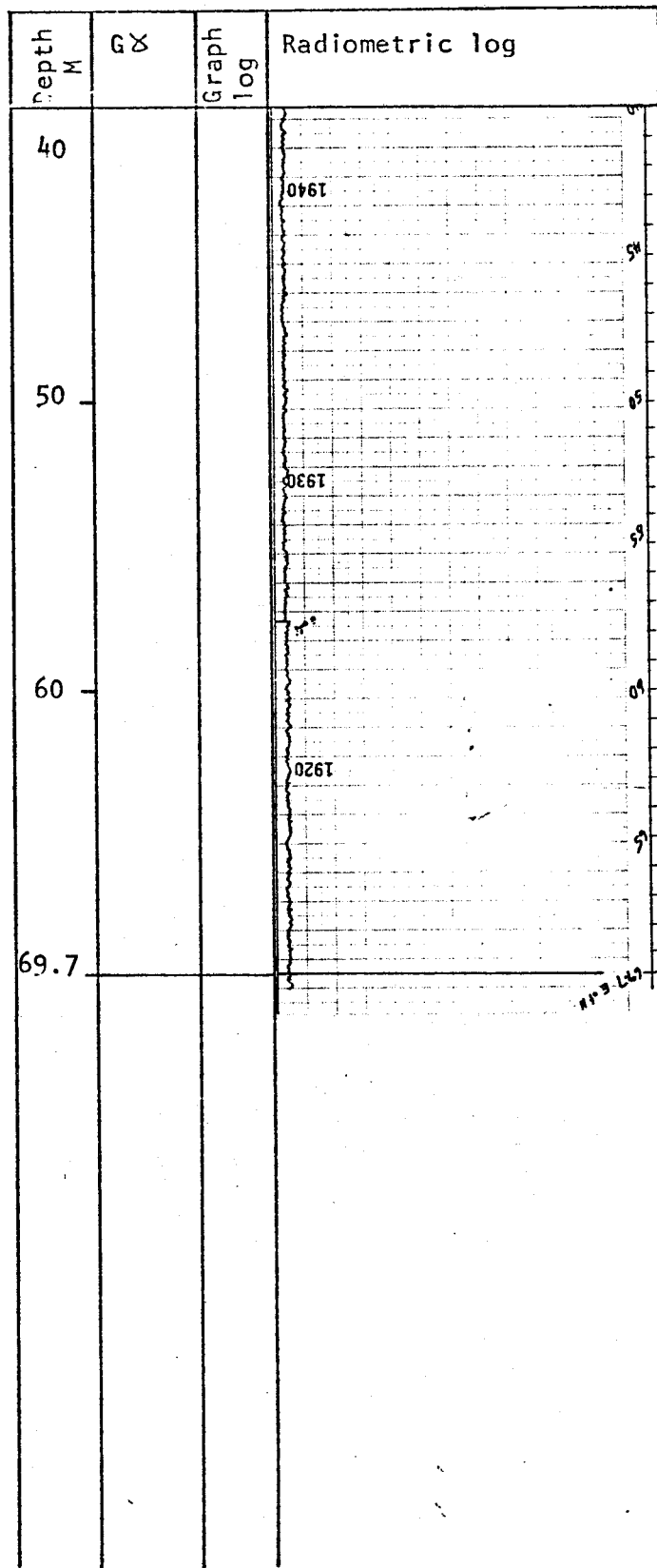
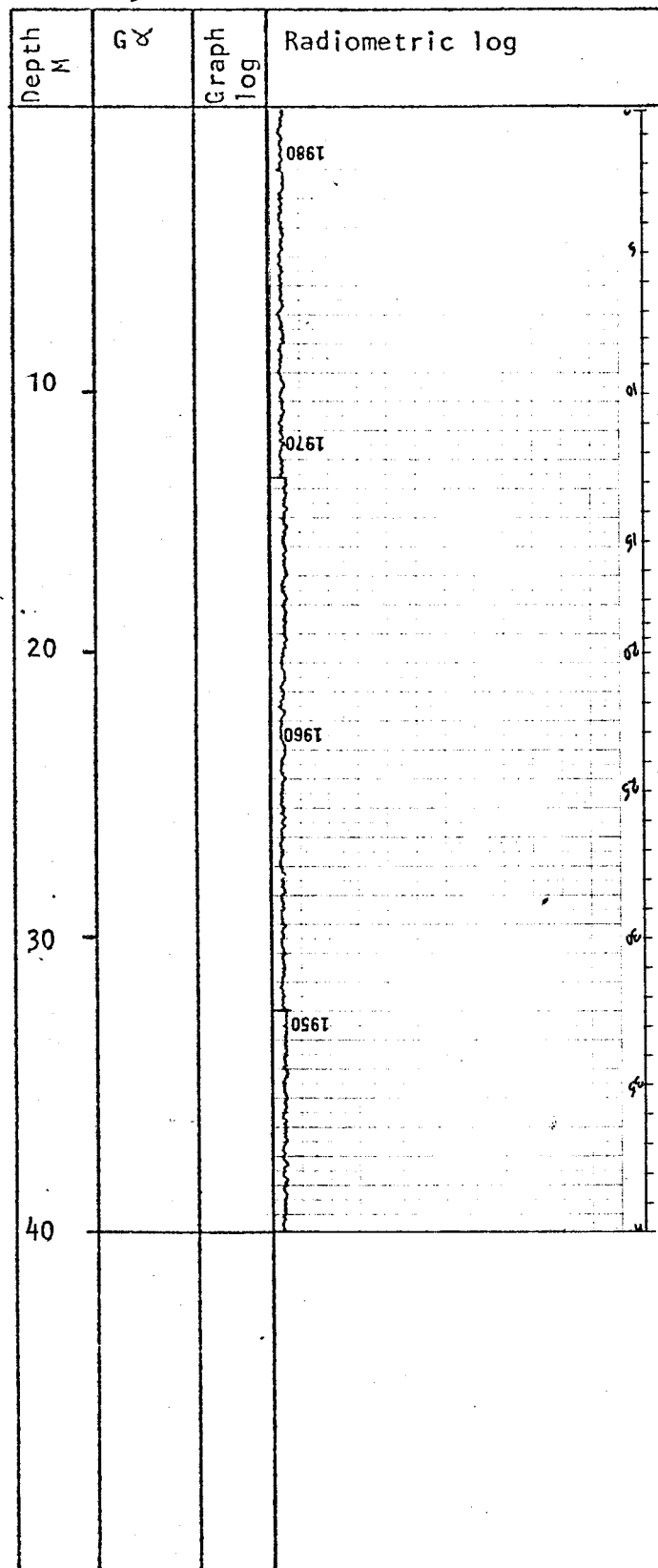
Property: Type Date 24/6/77 Hole No. NT-33
 Co-ordinates Lat. 83+50 N. Elevation m Depth 70.10 m
 Dep. 128 E. Core Size H Rods Rods in hole

Instrument: GR-410 Probe: 1.25" Exploranium

Function: T.C. Range 8 100% Chart= 800 c.p.s.

$G^x = \%U_{308}$ Equivalent

Probed by: TW & AD

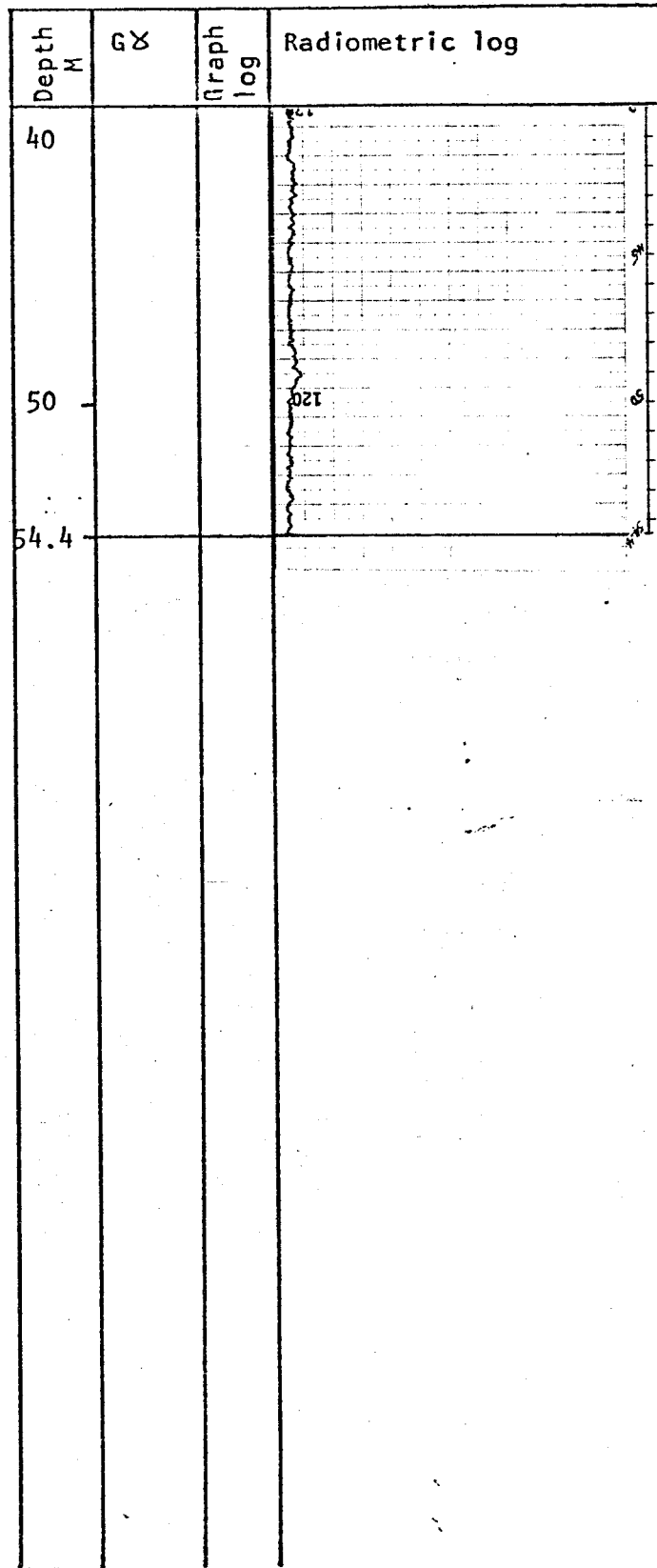
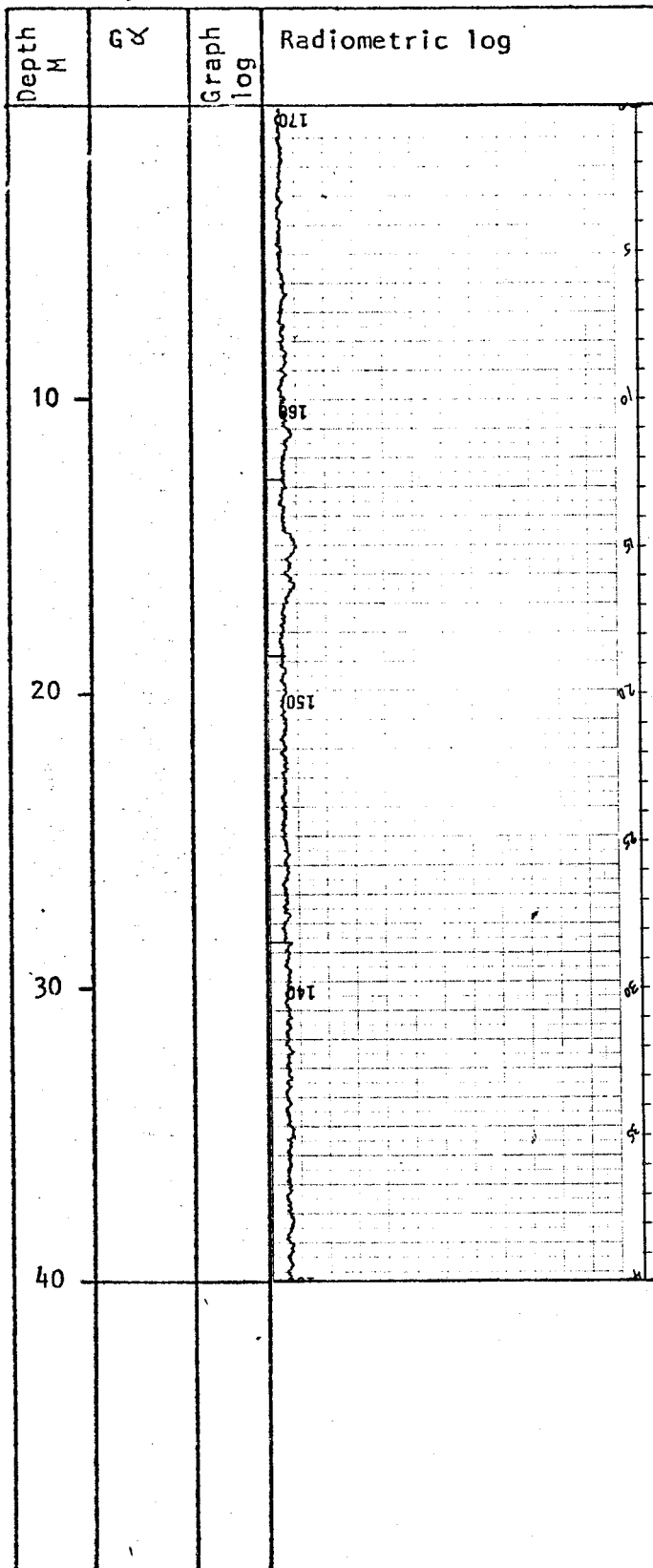


RADIOMETRIC LOG

Property: Typee Date 23/6/77 Hole No. NT-34
 Co-ordinates Lat. 95 N. Elevation _____ m Depth 55.78 m
 Dep. 94 E. Core Size BQ Rods Rods in hole
 Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 100% Chart= 800 c.p.s.

$G^x = {}^2U_3O_8$ Equivalent

Probed by: TW, LCB, AD

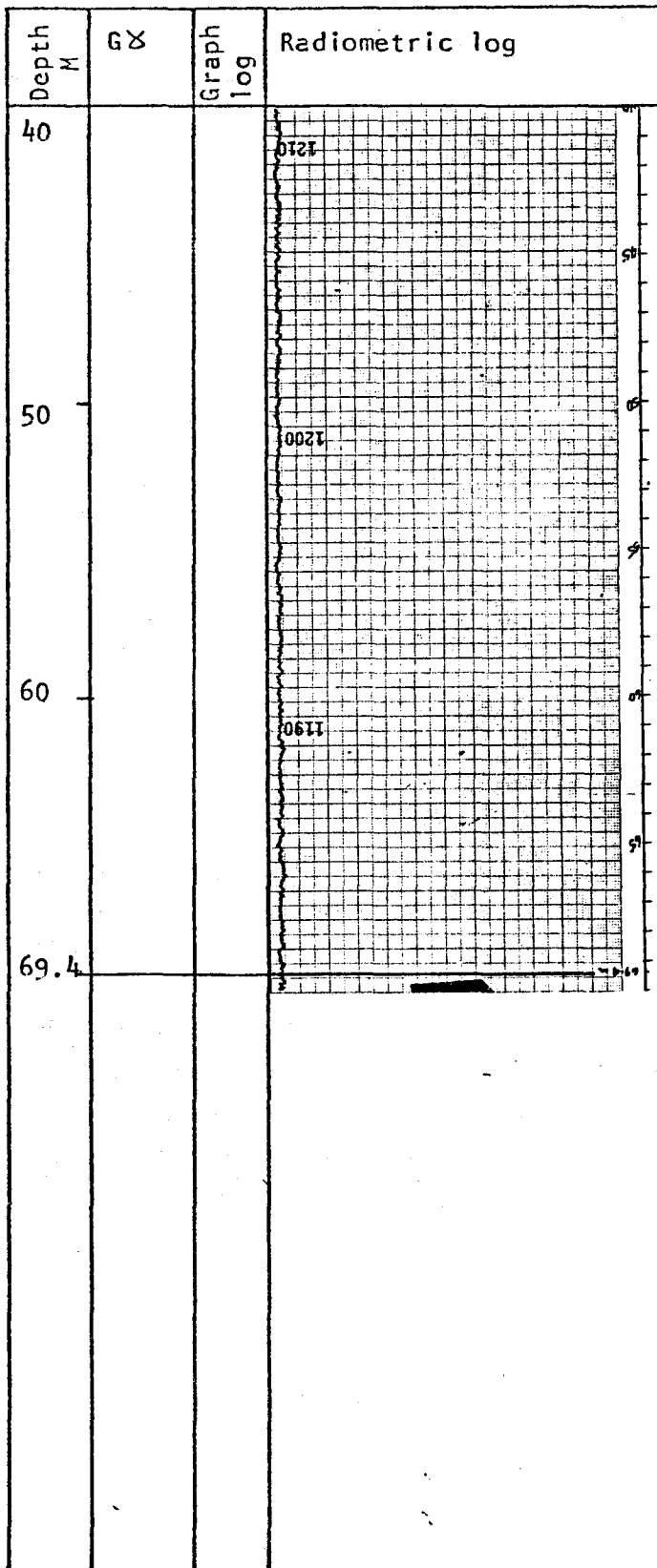
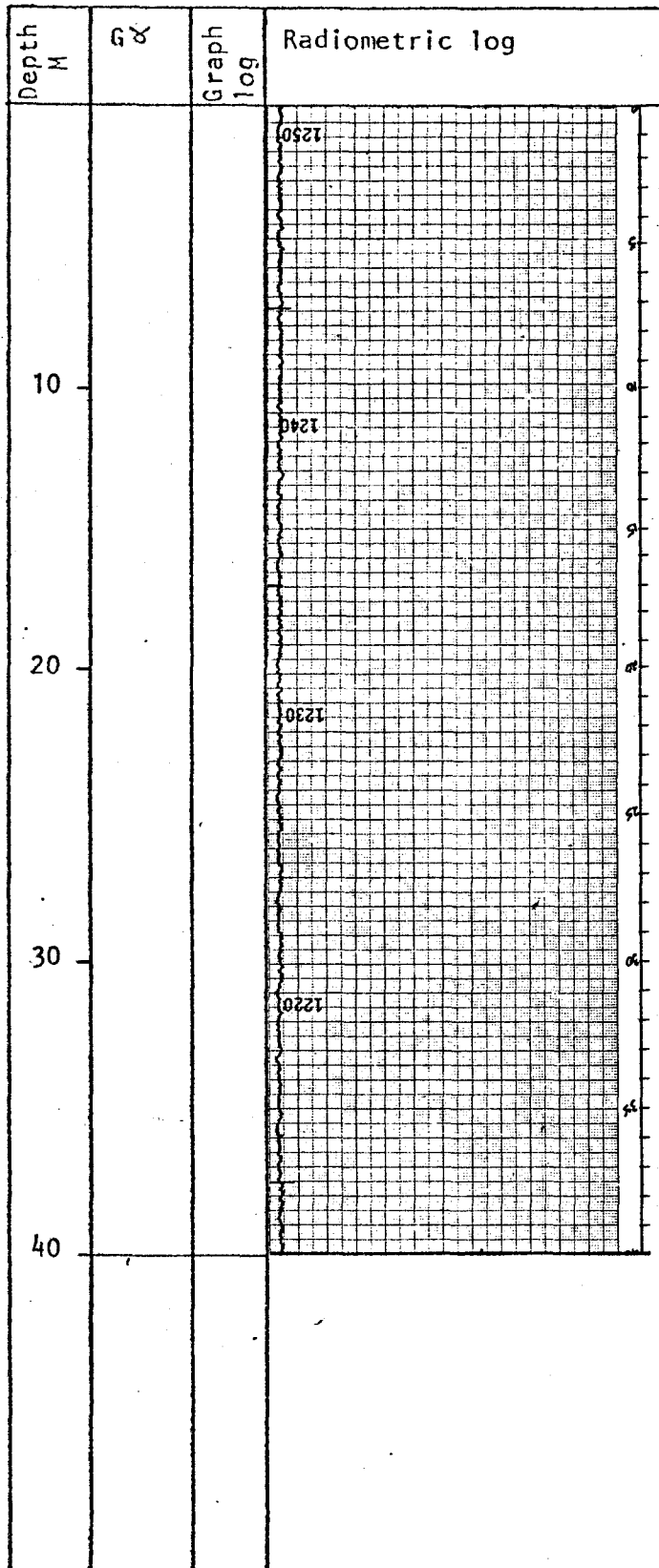


RADIOMETRIC LOG

Property: Tyee Date 26/6/77 Hole No. NT-35
 Co-ordinates Lat. 78 N. Elevation _____ m Depth 70.10 m
 Dep. 115 E. Core Size BQ Rod Rods in hole
 Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 100% Chart= 800 c.p.s.

$G^{\gamma} = {}^238\text{U}$ Equivalent

Probed by: LCB AD

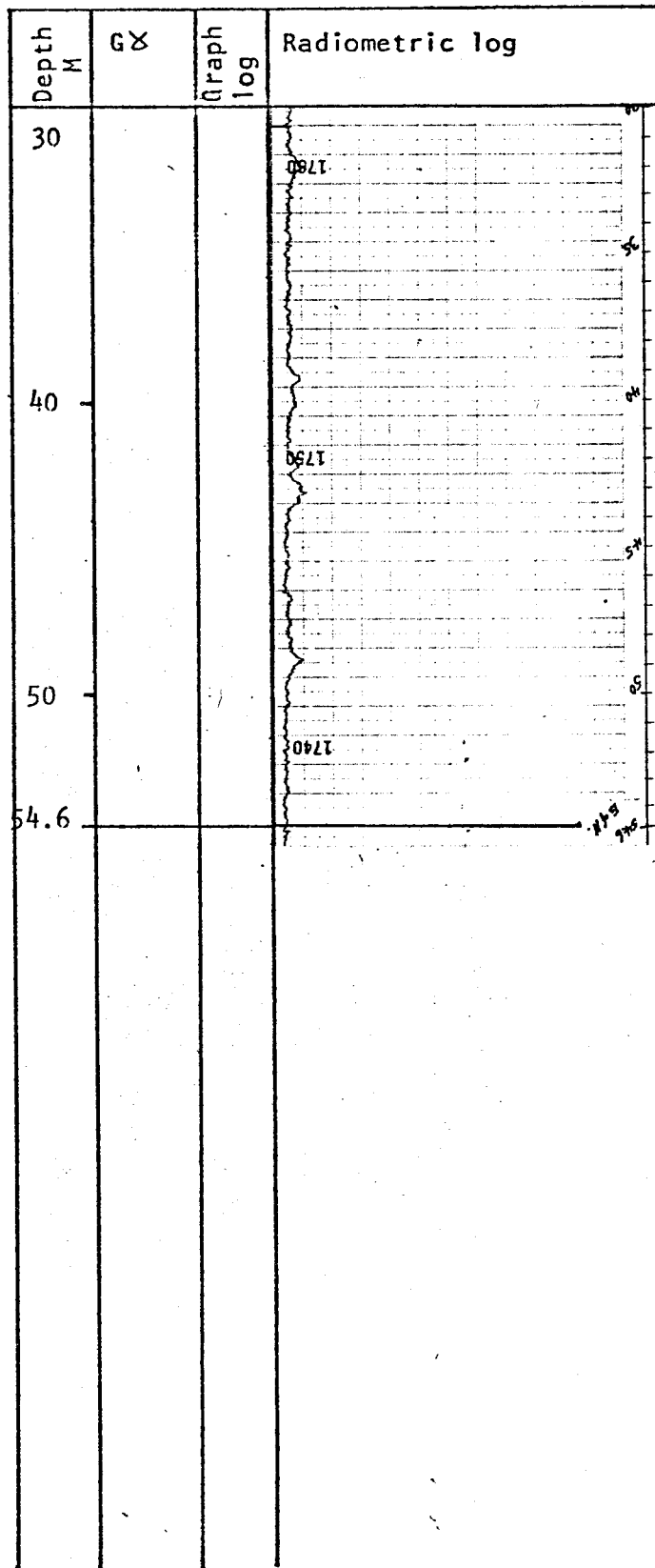
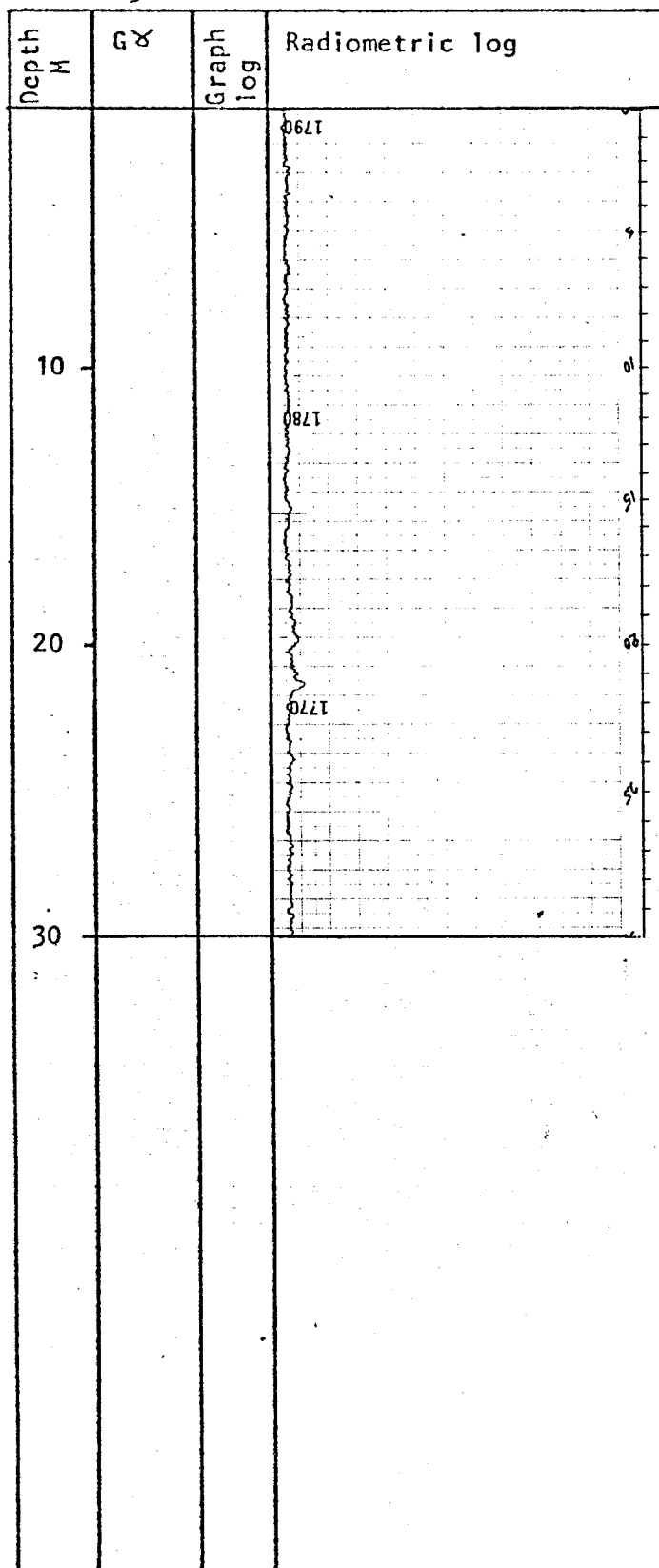


RADIOMETRIC LOG

Property: Type Date 24/6/77 Hole No. NT-36
 Co-ordinates Lat. 94 N. Elevation _____ m Depth 56.69 m
 Dep. 94+50 E. Core Size BQ Rods Rods in hole
 Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 100% Chart= 800 c.p.s.

$G\gamma = {}^2U_3O_8$ Equivalent

Probed by: TW, AD



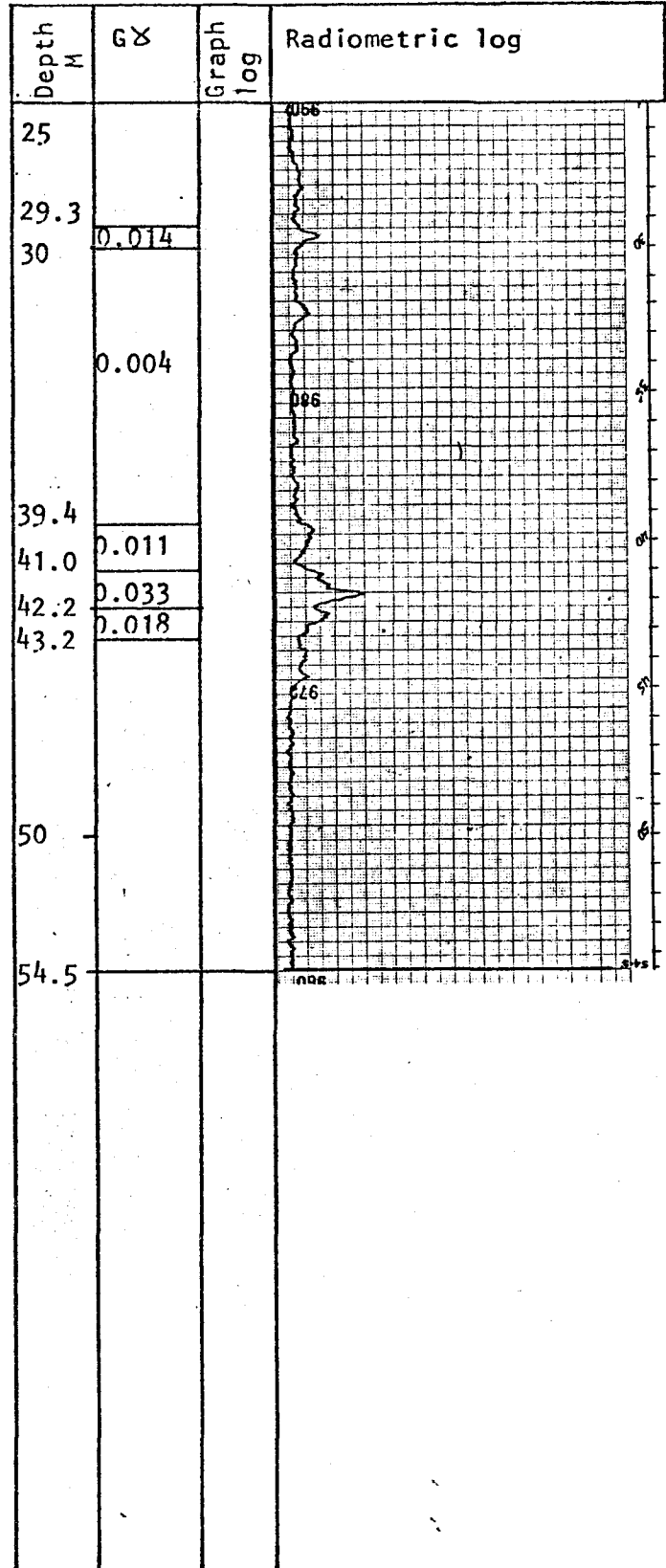
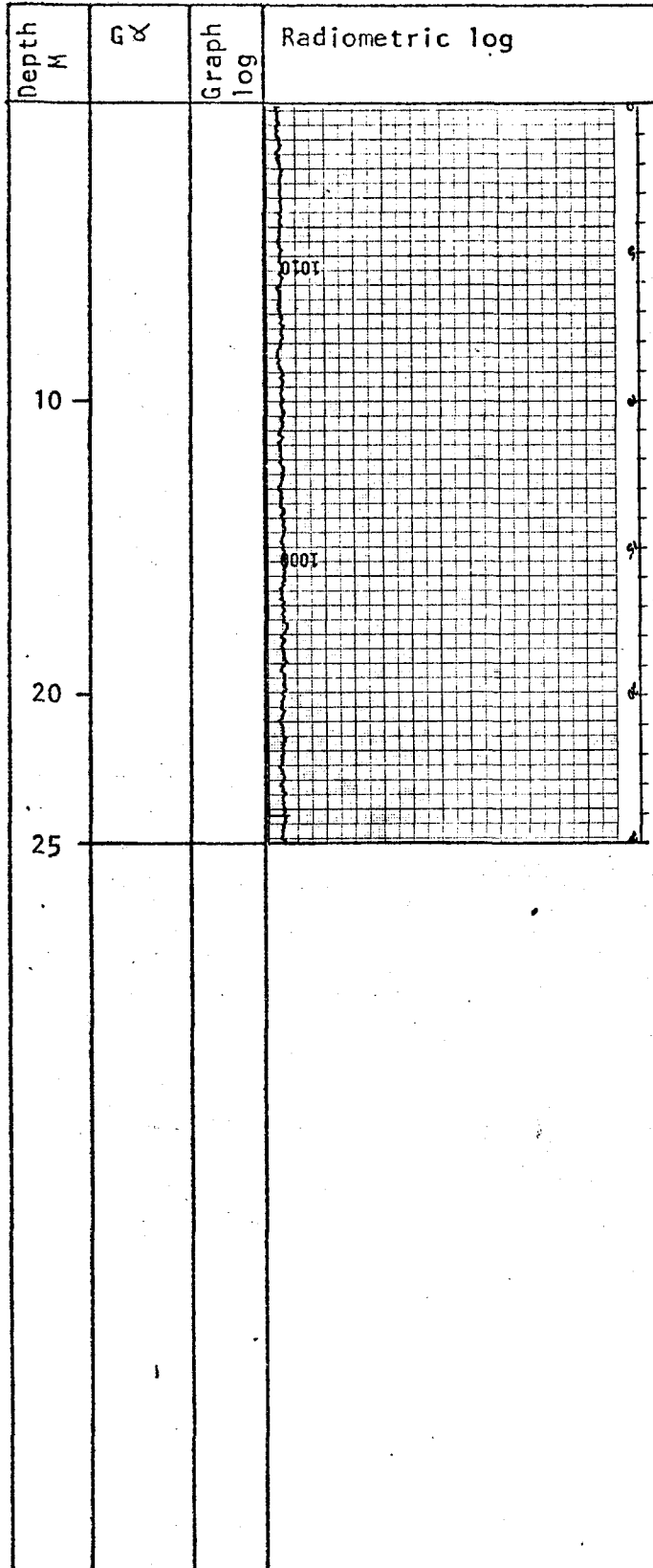
RADIOMETRIC LOG

Property: Tyee Date 26/6/77 Hole No. NT-38
 Co-ordinates Lat. 96 N. Elevation _____ m Depth 54.56 m
 Dep. 93 E. Core Size B Rods Rods in hole

Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 100% Chart= 800 c.p.s.

$G\gamma = \%U_3O_8$ Equivalent

Probed by: LCB AD



RADIOMETRIC LOG

Property: Type Date 26/6/77 Hole No. NT-39
 Co-ordinates Lat. 83+50 N. Elevation m. Depth 18.90 m
 Dep. 132+00 E. Core Size H Rods Rods in hole

Instrument: GR-410 Probe: 1.25" Exploranium

Function: T.C. Range 8 100% Chart= 800 c.p.s.

G_x = %U₃O₈ Equivalent

Probed by: LCB, AD

Depth M	G _x	Graph log	Radiometric log

Depth M	G _x	Graph log	Radiometric log

RADIOMETRIC LOG

Property: Tyee Date 28/6/77 Hole No. NT-42

Co-ordinates Lat. 9642.06 N. Elevation 1243.69 m Depth 53.64 m

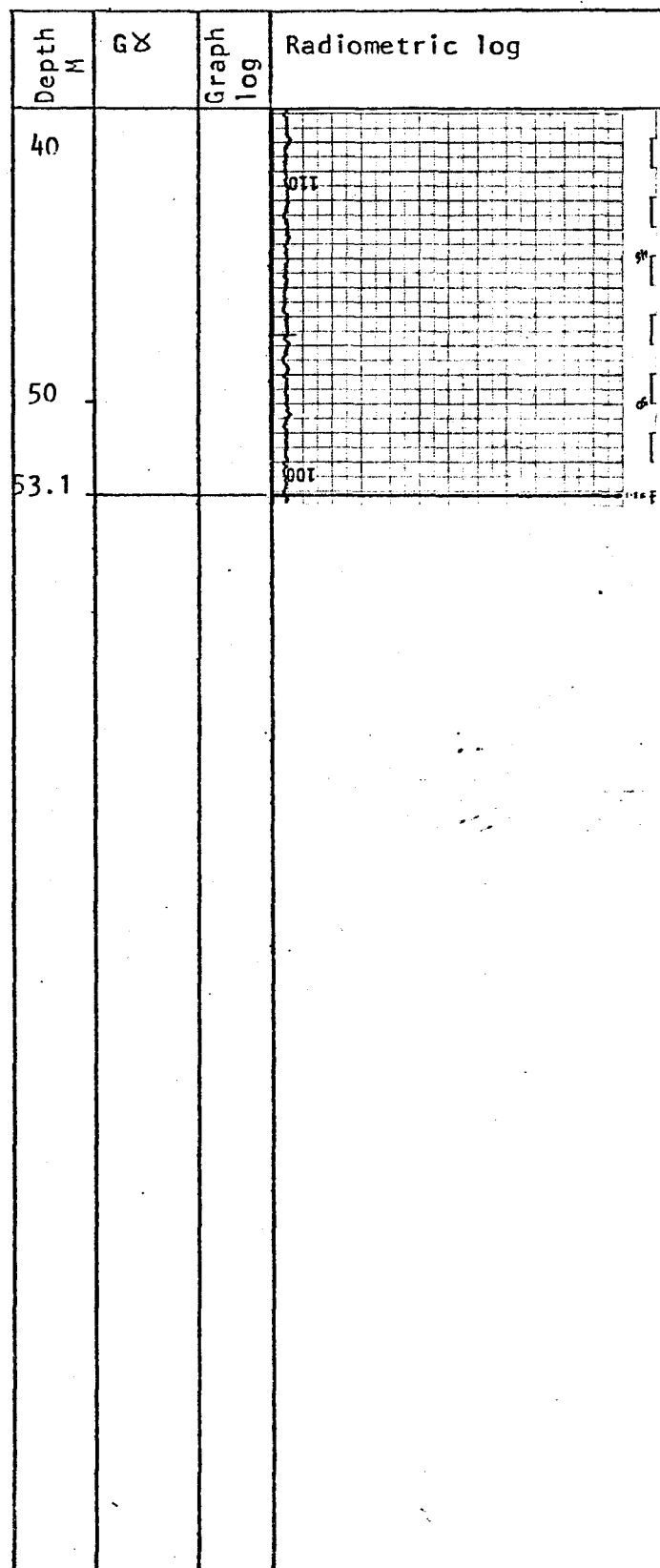
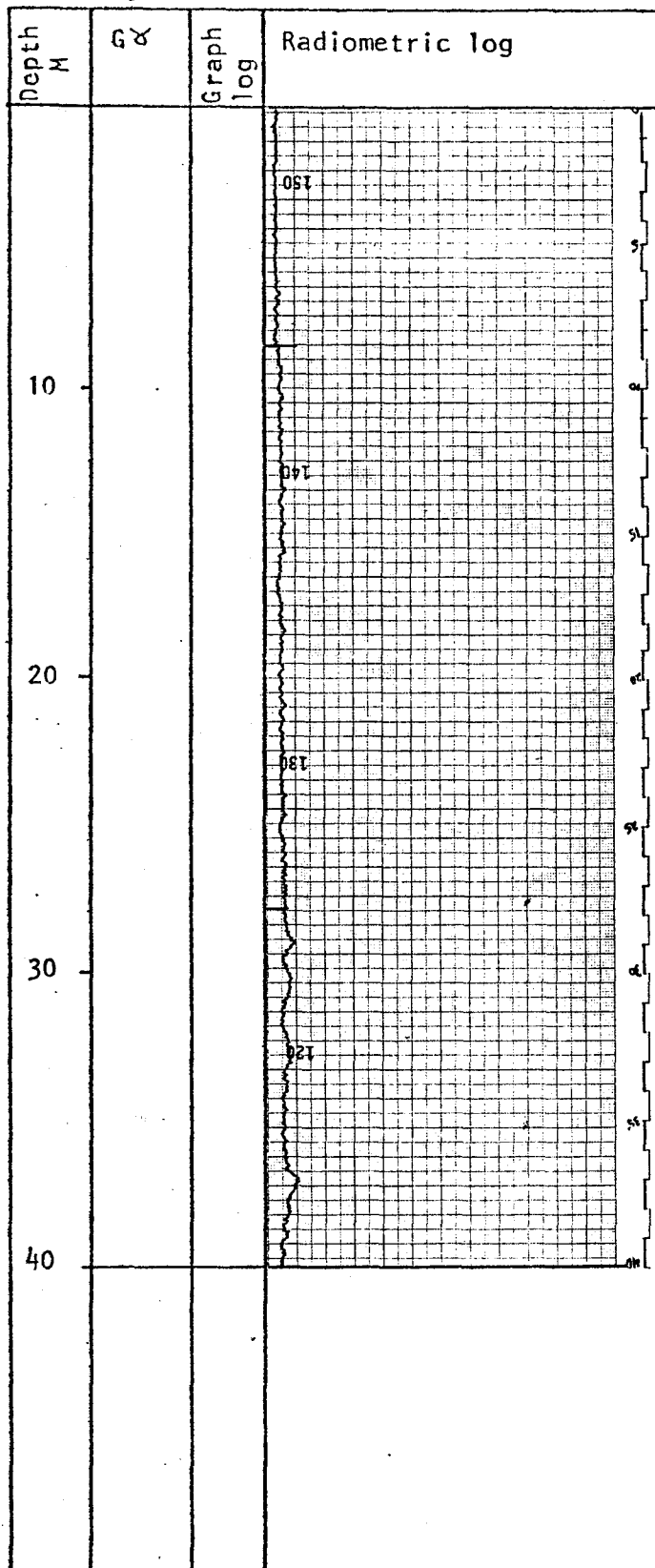
Dep. 9278.08 E. Core Size BQ Rods Rods in hole

Instrument: GR-410 Probe: 1.25" Exploranium

Function: T.C. Range 8 100% Chart= 800 c.p.s

$G^x = \%U_3O_8$ Equivalent

Probed by: LCB, AD



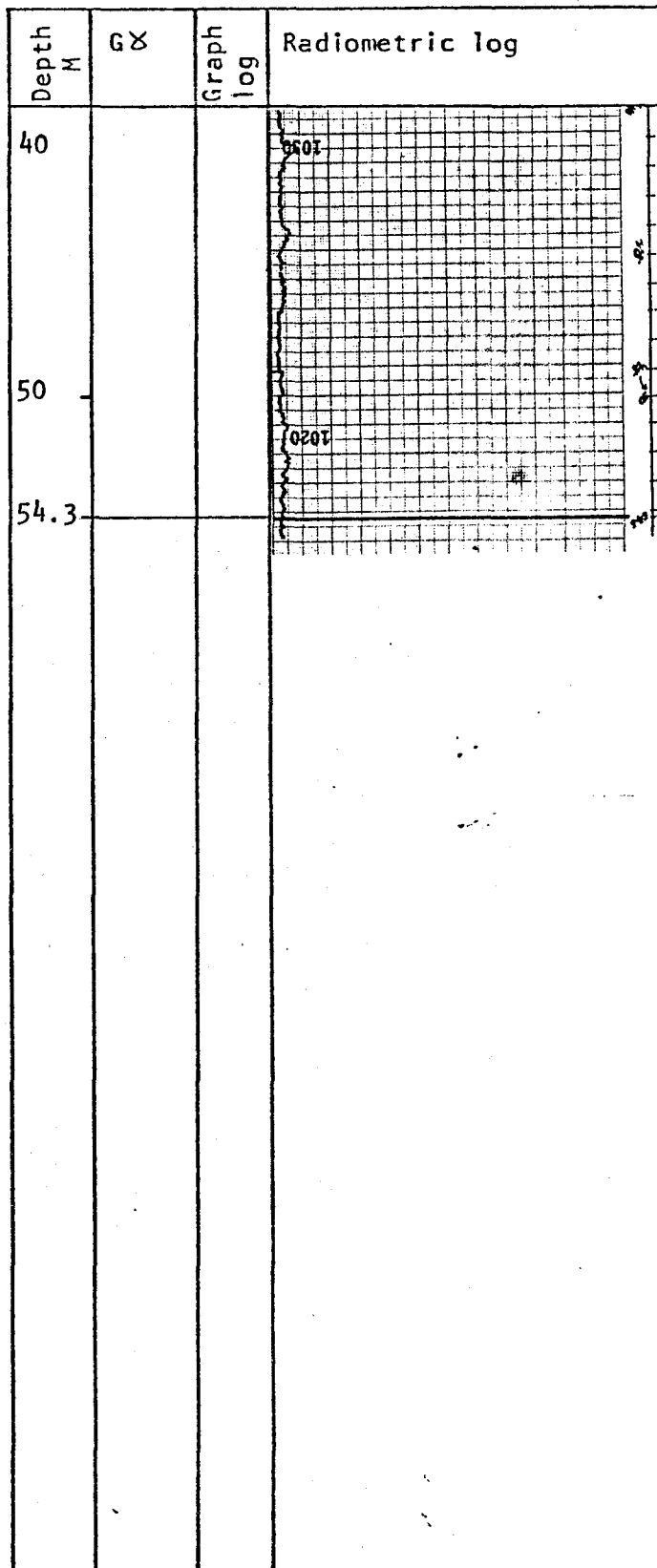
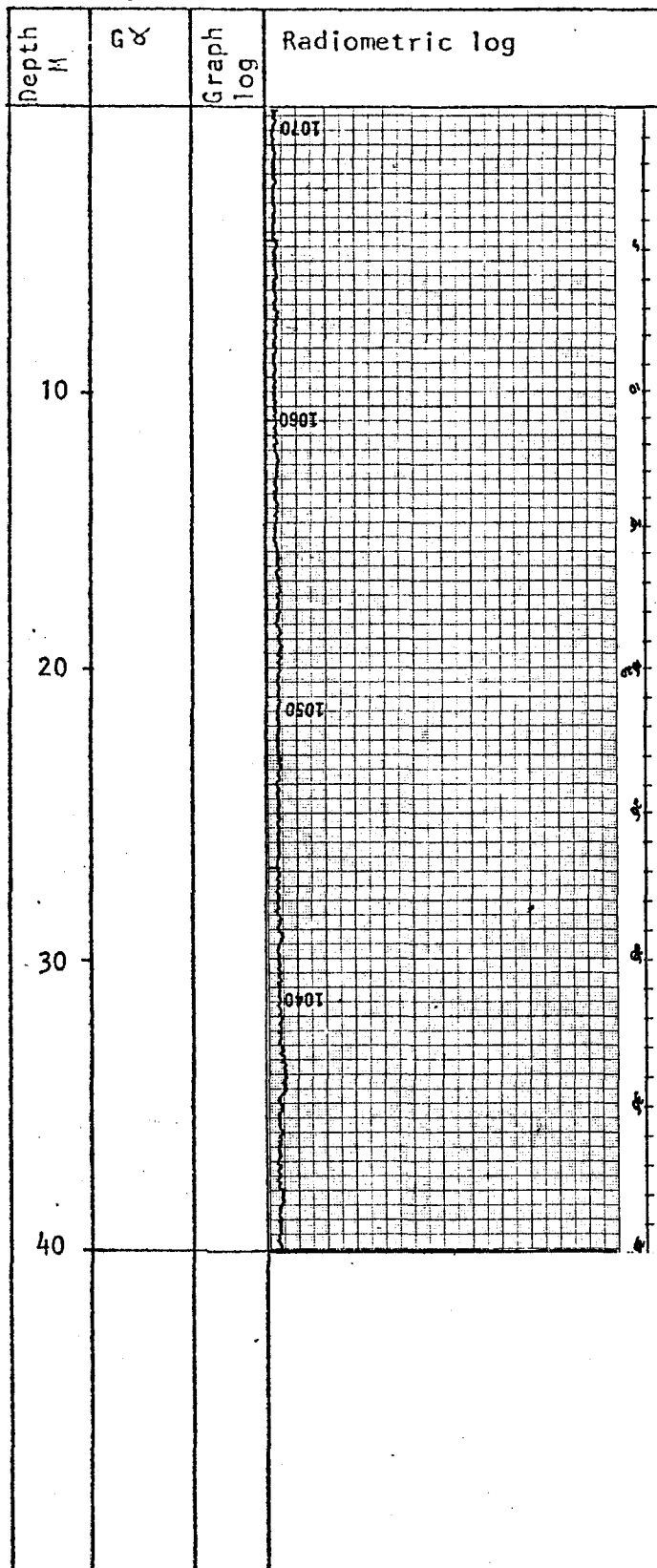
Noranda Exploration Company, Limited

RADIOMETRIC LOG

Property: Tyee Date 30/6/77 Hole No. NT-43
 Co-ordinates Lat. 87 N. Elevation _____ m Depth 56.69 m
 Dep. 97 E. Core Size BQ Rods Rods in hole
 Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 100% Chart = 800 c.p.s.

G_x = %U₃O₈ Equivalent

Probed by: LCB/AD



RADIOMETRIC LOG

Property: Tyee Date 29/6/77 Hole No. NT-44
 Co-ordinates Lat. 94+75 N. Elevation _____ m Depth 18.29 m
 Dep. 98+75 E. Core Size BQ Rods Rods in hole

Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 100% Chart= 800 c.p.s.

$G\gamma = {}^2U_3O_8$ Equivalent

Probed by: LCB, AD

Depth M	$G\gamma$	Graph log	Radiometric log

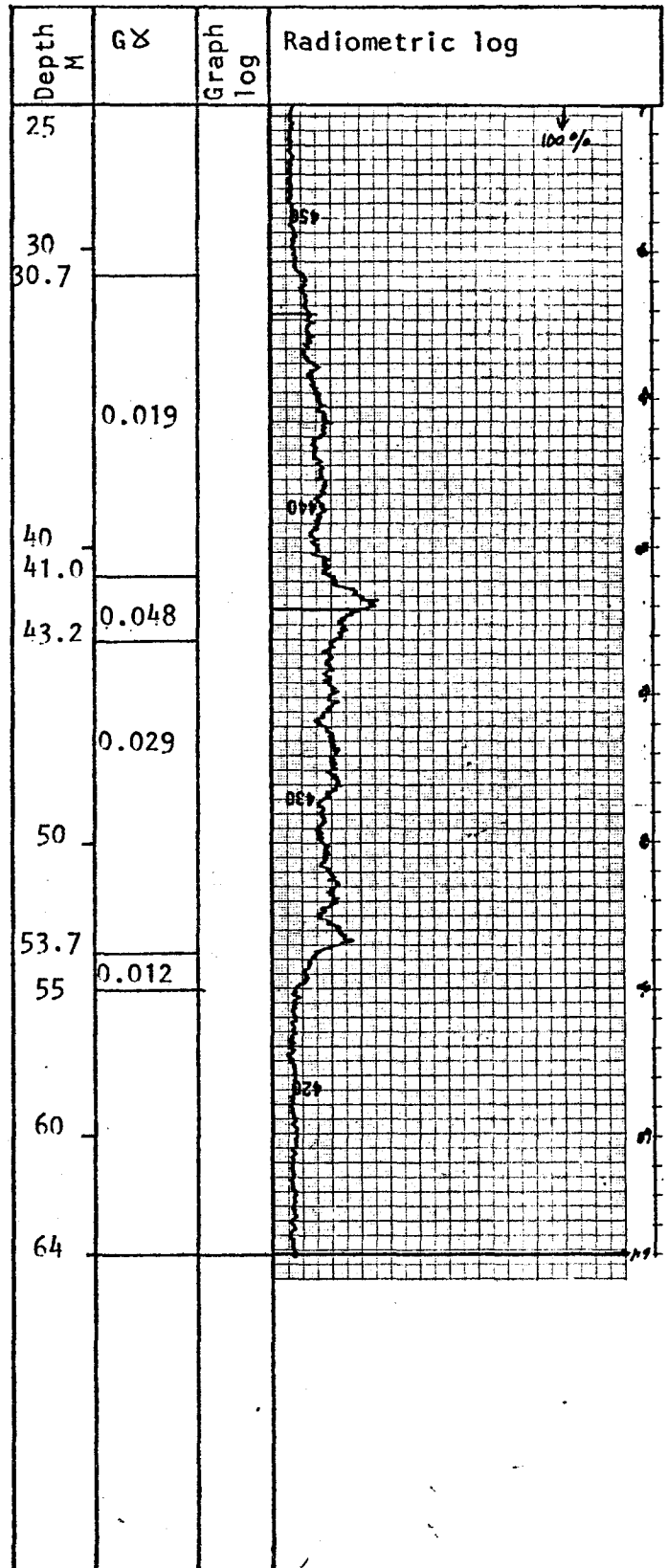
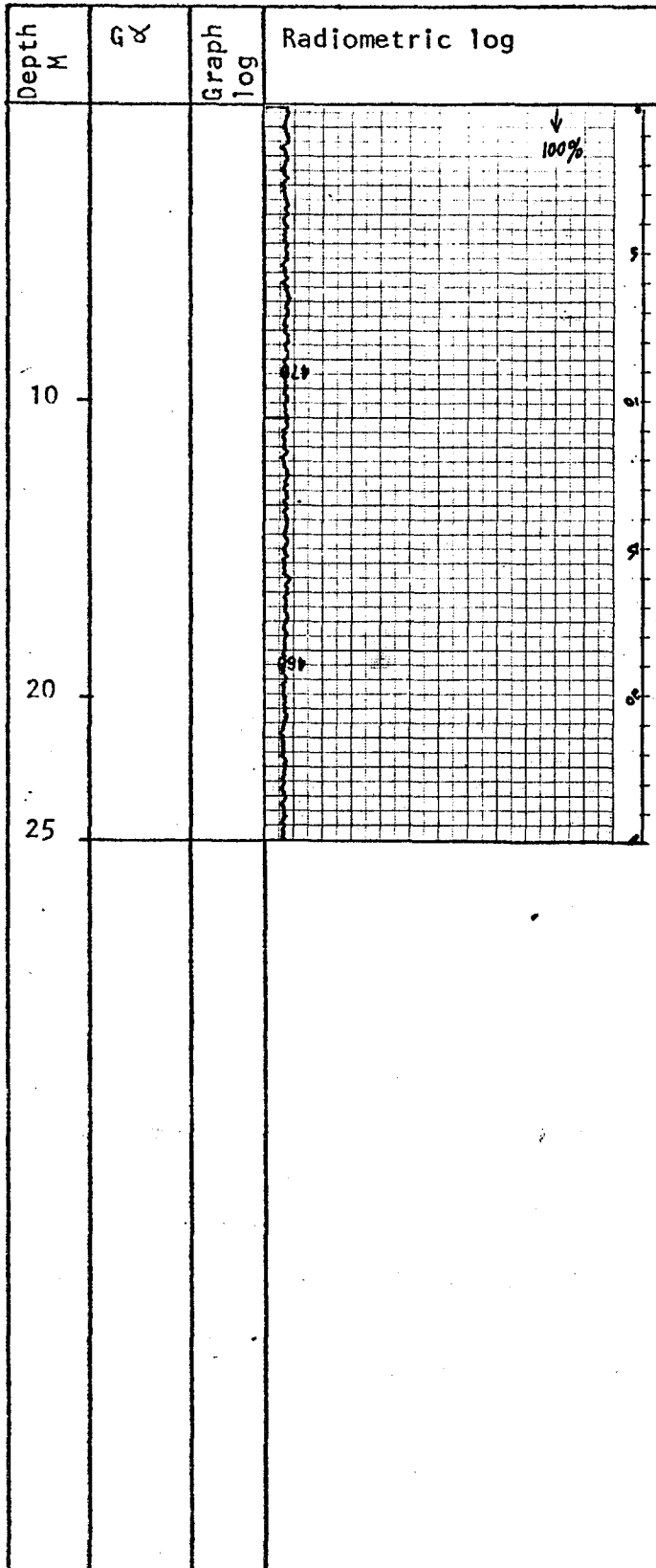
Depth M	$G\gamma$	Graph log	Radiometric log

RADIOMETRIC LOG

Property: Tyee Date 14/8/77 Hole No. NT-45
 Co-ordinates Lat. 9950.47 N. Elevation 1258.43 m Depth 63.09 m
 Dep. 9324.27 E. Core Size HQ Rods Rods in hole
 Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 100% Chart= 800 c.p.s.

G_X = %U₃O₈ Equivalent

Probed by: L.B.



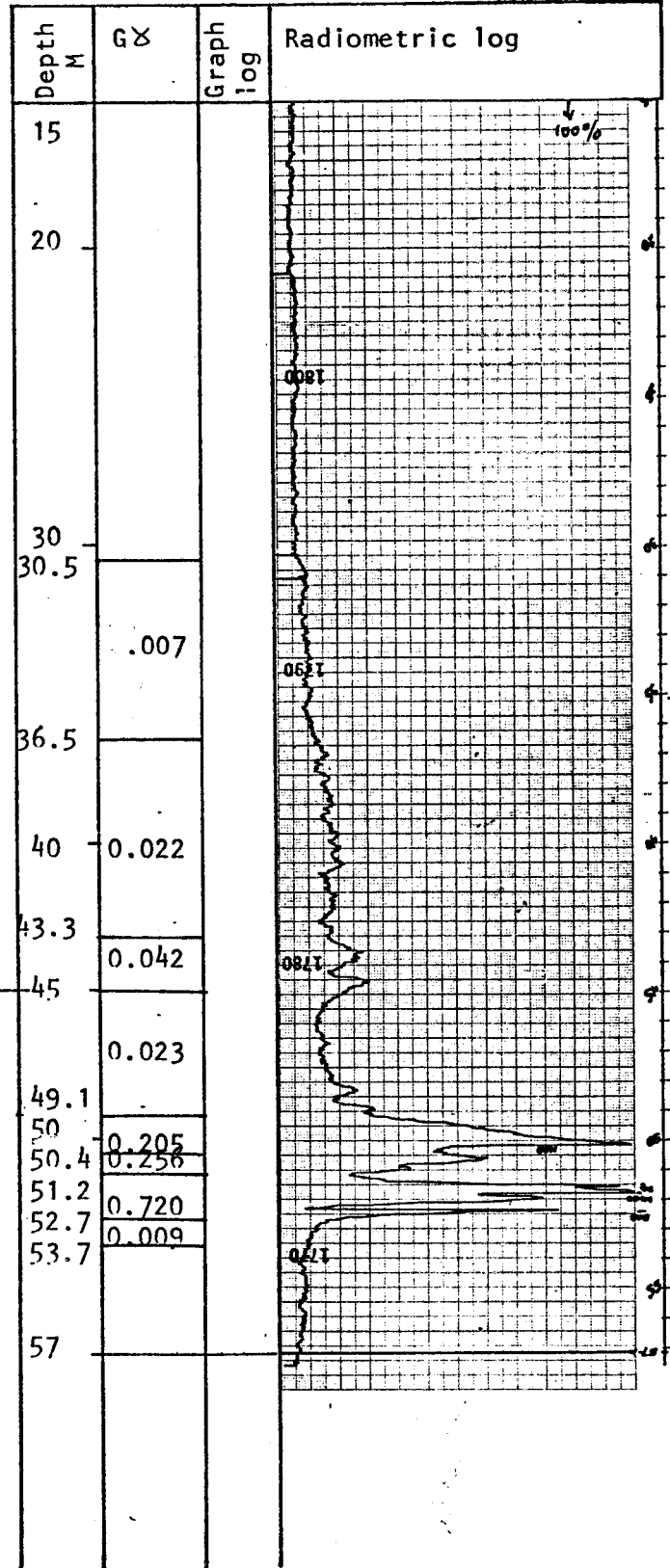
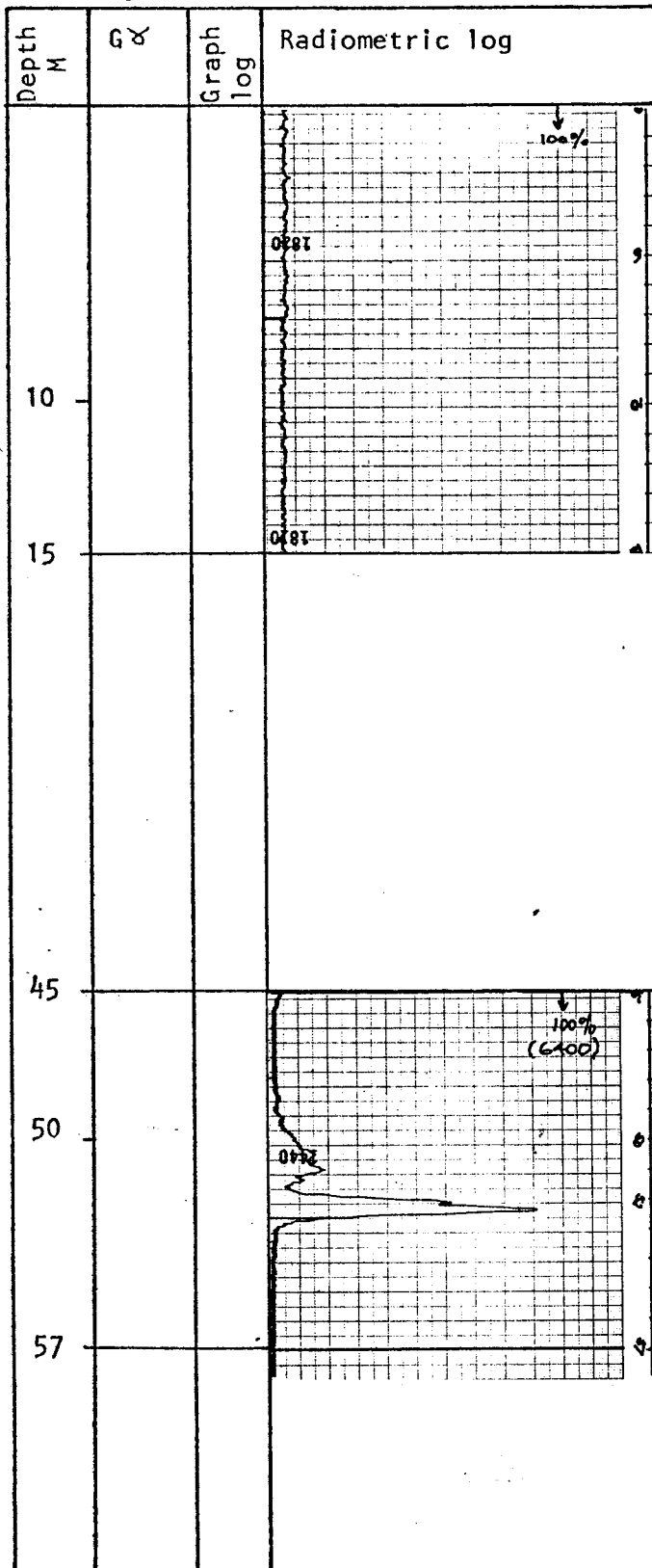
Noranda Exploration Company, Limited

RADIOMETRIC LOG

Property: Type Date 20/8/77 Hole No. NT-46
 Co-ordinates Lat. 9924.71 N. Elevation 1258.45 m Depth 58.22 m
 Dep. 9305.15 E. Core Size HQ Rods Rods in hole
 Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 & 64 100% Chart= 800 & 6400 c.p.s.

$G^{\gamma} = \%U_3O_8$ Equivalent

Probed by: L.B.



RADIOMETRIC LOG

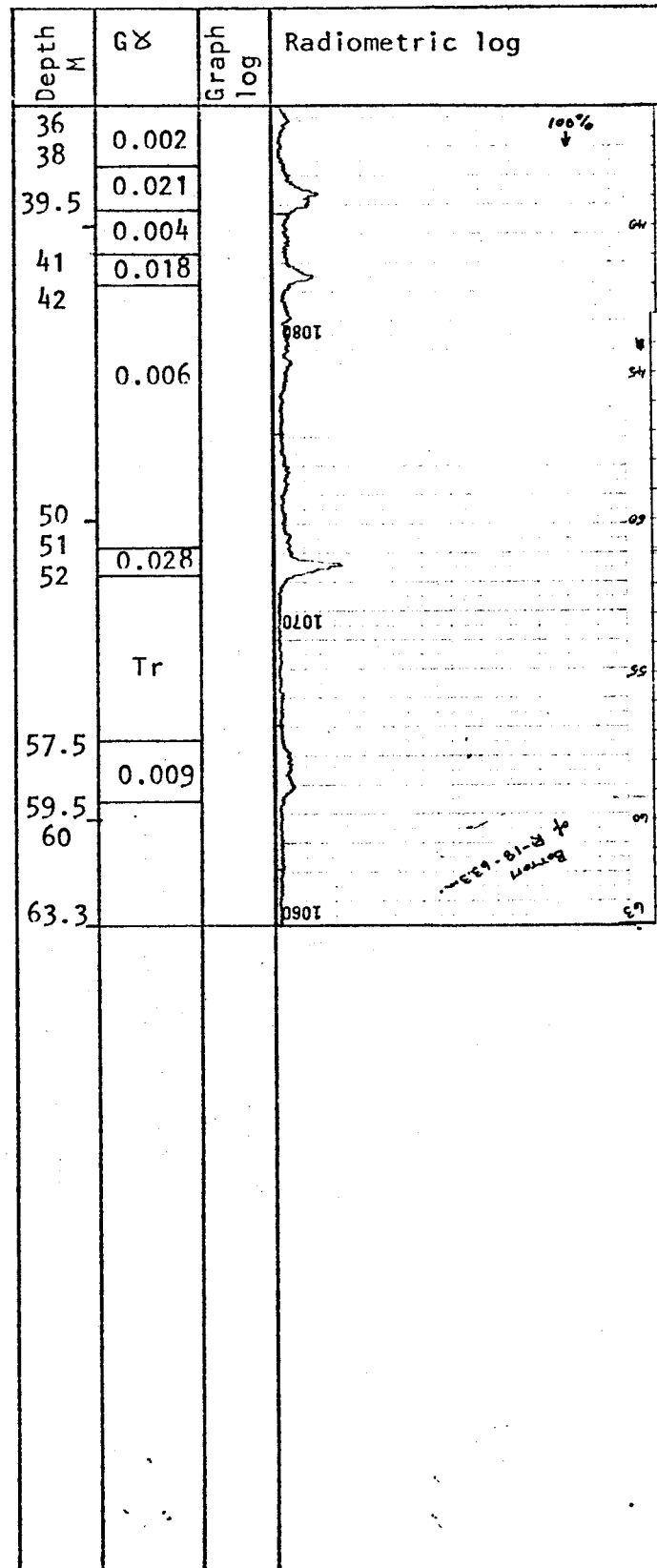
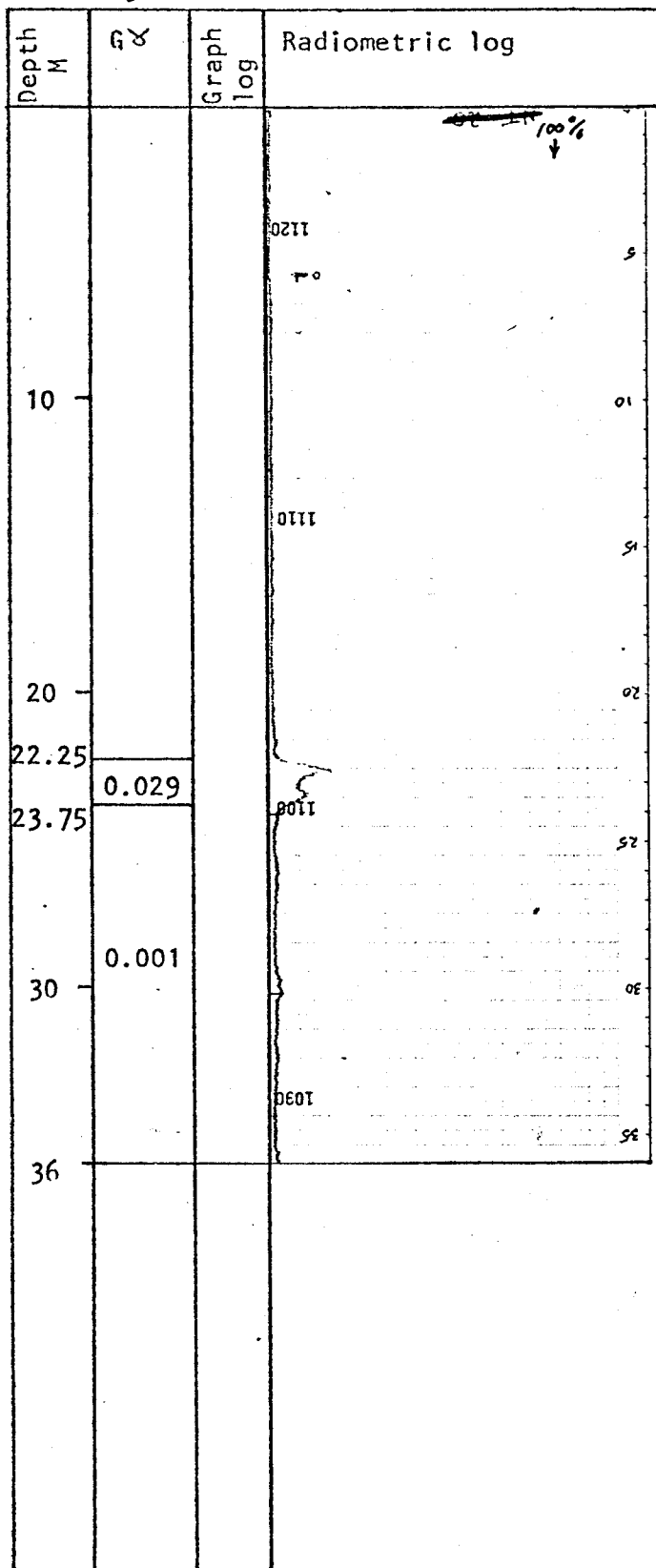
Property: Type Date 24/5/77 Hole No. R-18
 Co-ordinates Lat. 10001.73 N. Elevation 1262.99 m Depth 65.23 m
 Dep. 9447.45 E. Core Size HQ Tricone Rods in hole

Instrument: GR-410 Probe: 1.5" Exploranium

Function: T.C. Range 16 100% Chart= 1600 c.p.s.

G_x = %U₃O₈ Equivalent

Probed by: G.F.

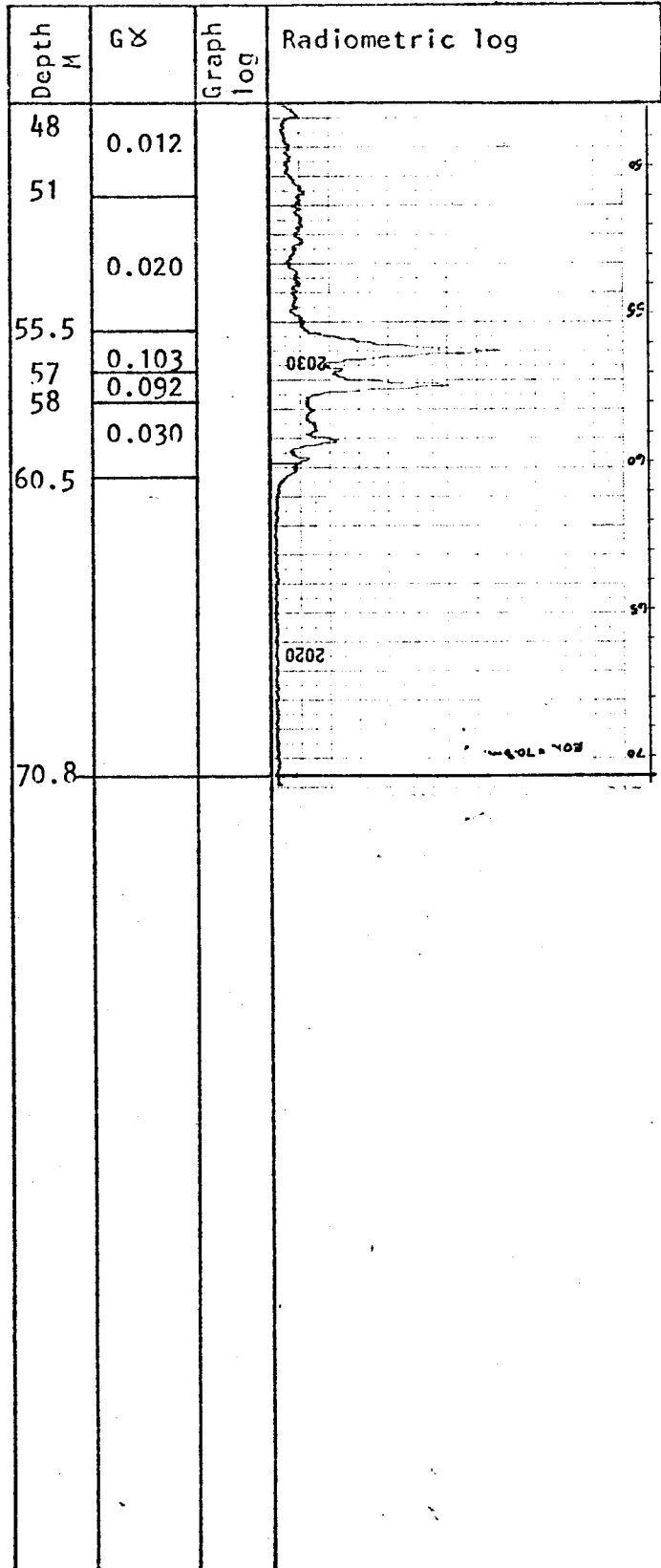
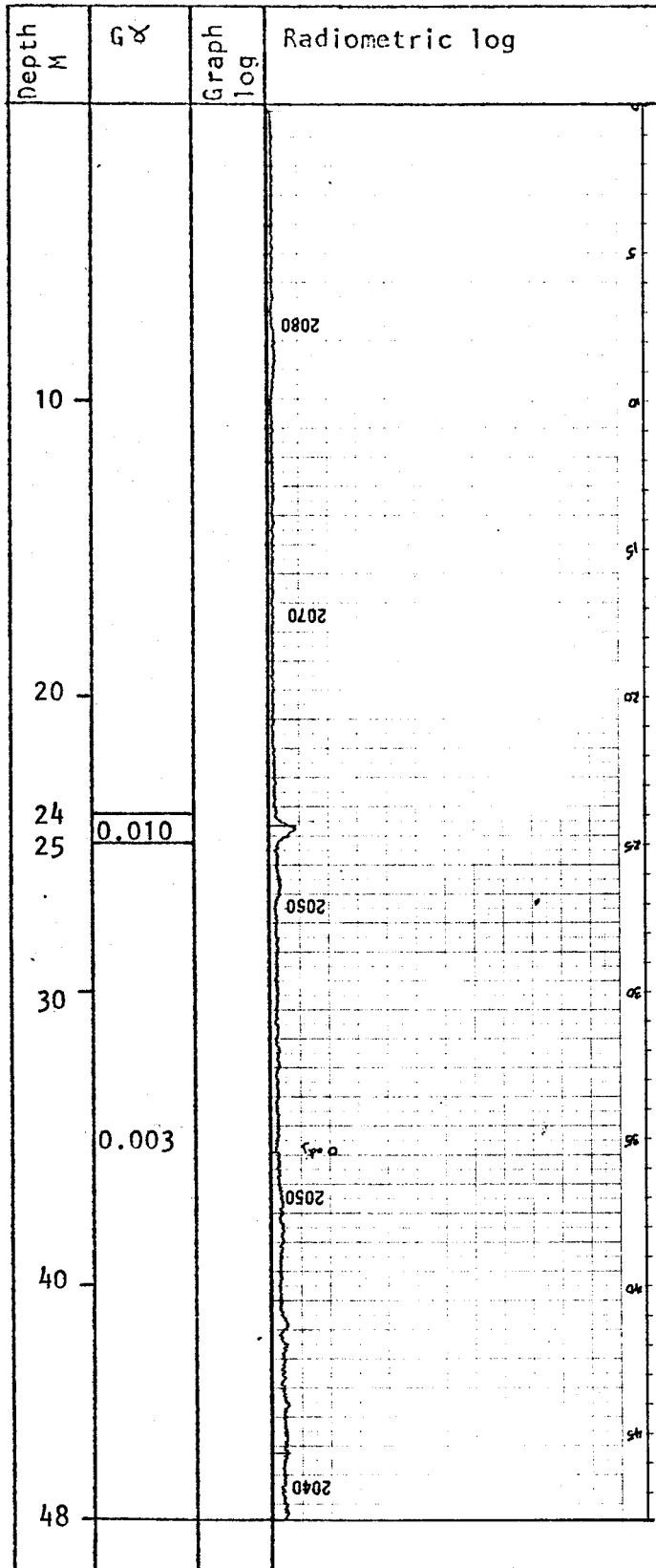


RADIOMETRIC LOG

Property: Tyee Date 29/5/77 Hole No. R-19
 Co-ordinates Lat. 9900.96 N. Elevation 1258.02 m Depth 71.32 m
 Dep. 9399.46 E. Core Size NW Tricone Rods in hole
 Instrument: GR-410 Probe: 1.5" Exploranium
 Function: T.C. Range 16 100% Chart= 1600 c.p.s.

$G\gamma = {}^238\text{U}_3\text{O}_8$ Equivalent

Probed by: L.B.



RADIOMETRIC LOG

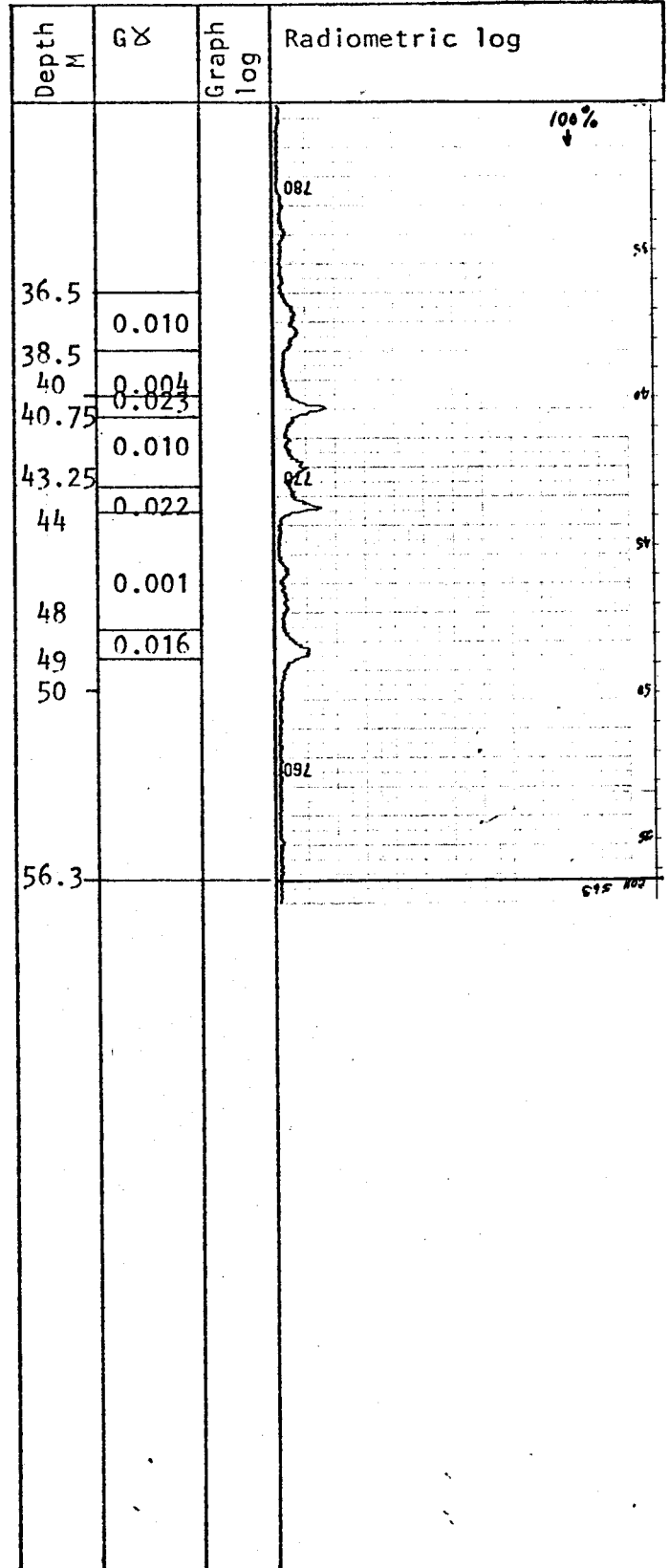
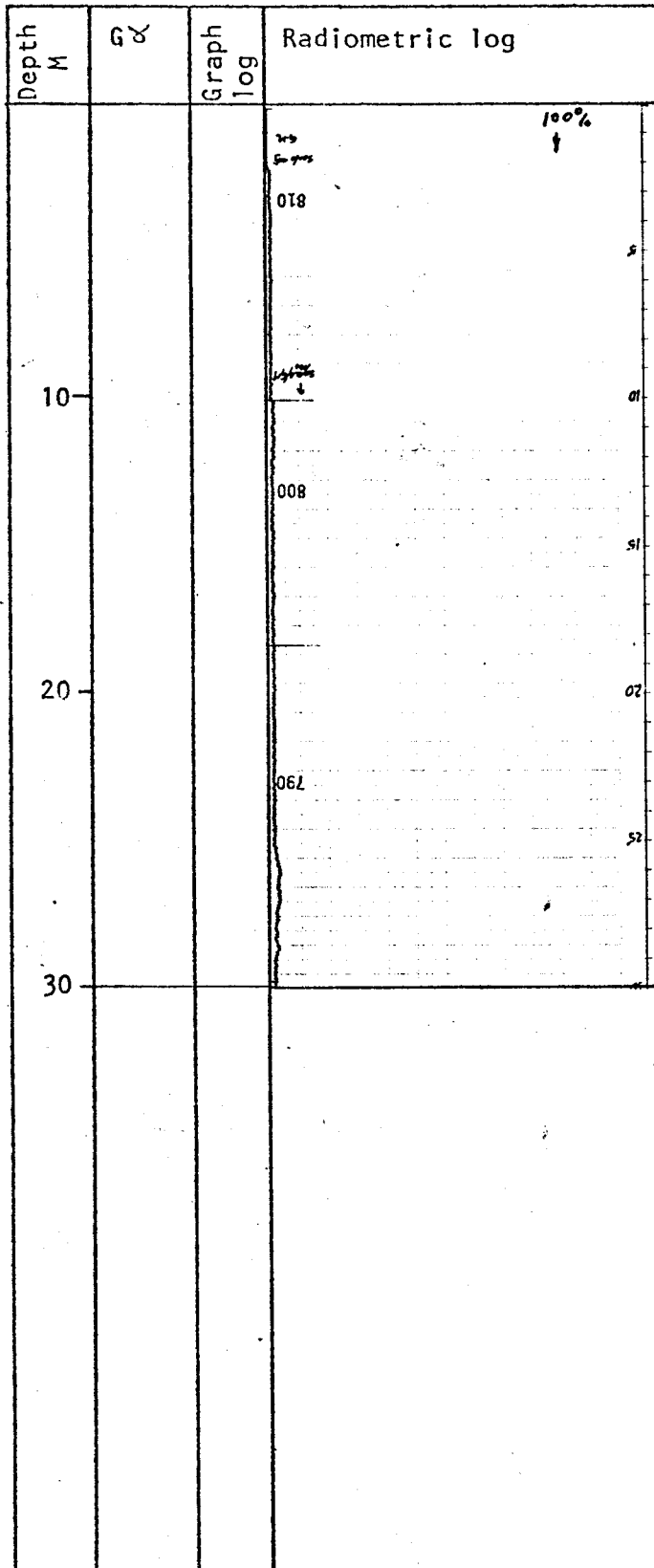
Property: Tyee Date 26/5/77 Hole No. R-20
 Co-ordinates Lat. 9949.48 N. Elevation 1262.18 m Depth 57.91 m
 Dep. 9499.47 E. Core Size HQ Tricone Rods in hole

Instrument: GR-410 Probe: 1.5" Exploranium

Function: T.C. Range 16 100% Chart= 1600 c.p.s.

$G\gamma = {}^238U_8$ Equivalent

Probed by: L.B.



RADIOMETRIC LOG

Property: Tyee Date 27/5/77 Hole No. R-21

Co-ordinates Lat. 9999.23 N. Elevation 1262.52 m Depth 68.28 m

Dep. 9398.11 E. Core Size HQ Tricone Rods in hole

Instrument: GR-410 Probe: 1.5" Exploranium

Function: T.C. Range 16 100% Chart= 1600 c.p.s.

$G\gamma = \%U_3O_8$ Equivalent

Probed by: _____

Depth M	$G\gamma$	Graph log	Radiometric log
			100% ↓
10			505
20	0.007		490
26.25	0.025		
27	0.008		480
32	0.008		
37	0.009		470
42			

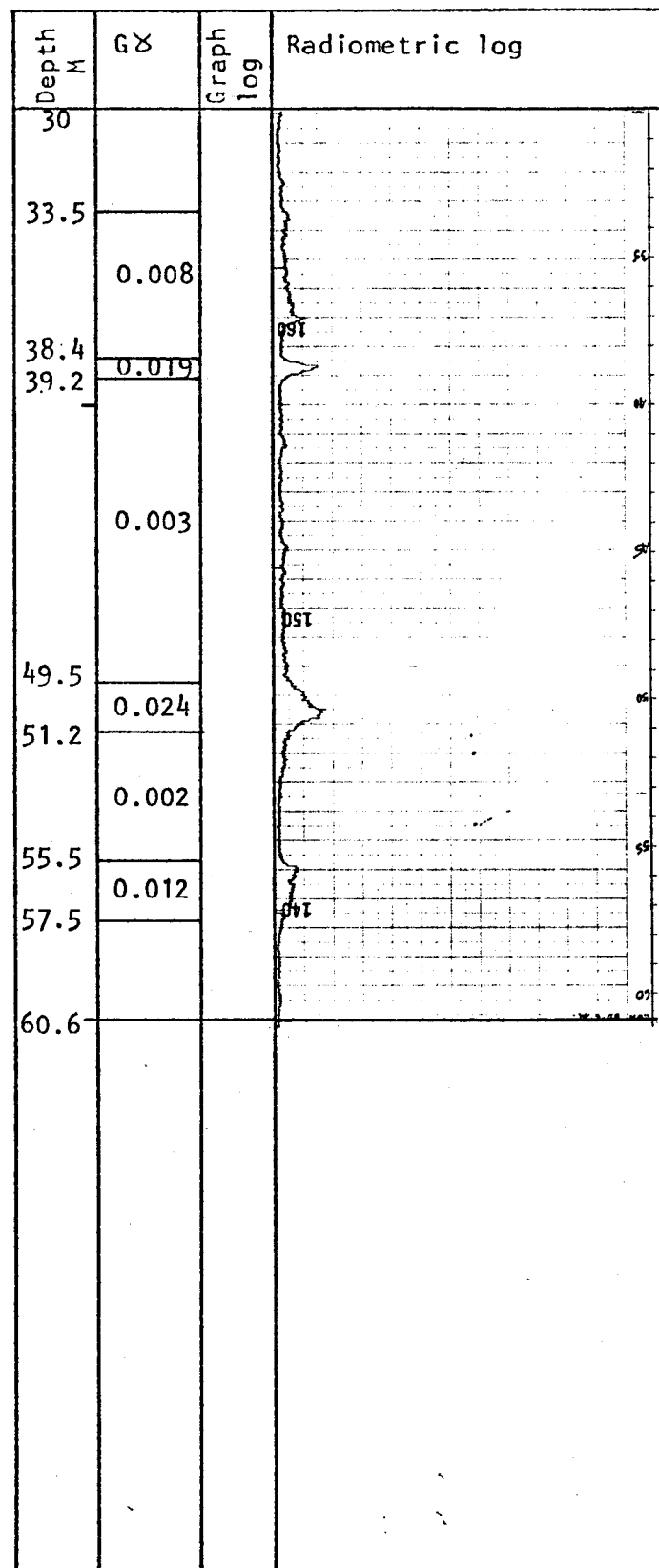
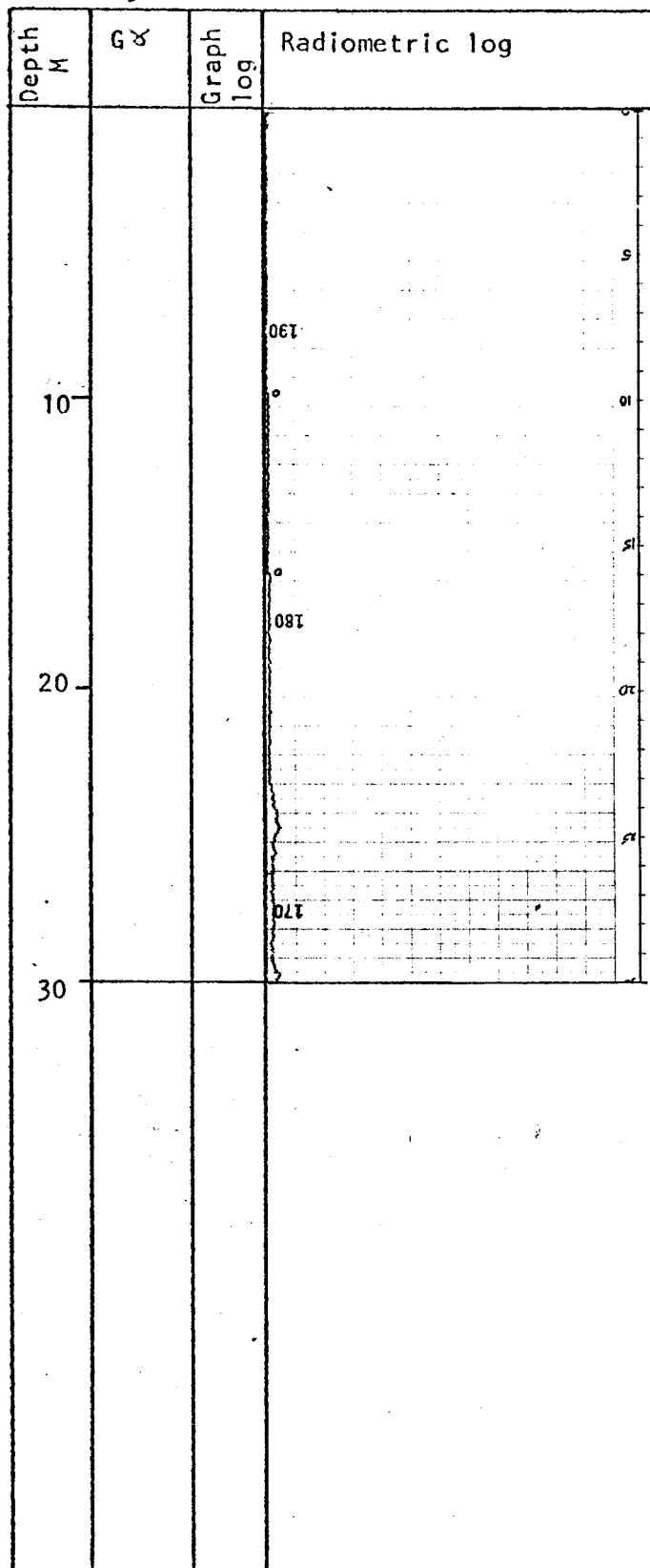
Depth M	$G\gamma$	Graph log	Radiometric log
42	0.008		100% ↓
47			460
50	0.010		450
52	0.012		
57	0.011		
60	0.049		
62	0.061		
64.5	0.014		
65.5			
67.2			End of Hole 67.2

RADIOMETRIC LOG

Property: Tyee Date 29/5/77 Hole No. R-22
 Co-ordinates Lat. 9948.41 N. Elevation 1259.29 m Depth 62.18 m
 Dep. 9452.46 E. Core Size HQ Tricone Rods in hole
 Instrument: GR-410 Probe: 1.5" Exploranium
 Function: T.C. Range 16 100% Chart = 1600 c.p.s.

G_γ = %U₃O₈ Equivalent

Probed by: L.B.

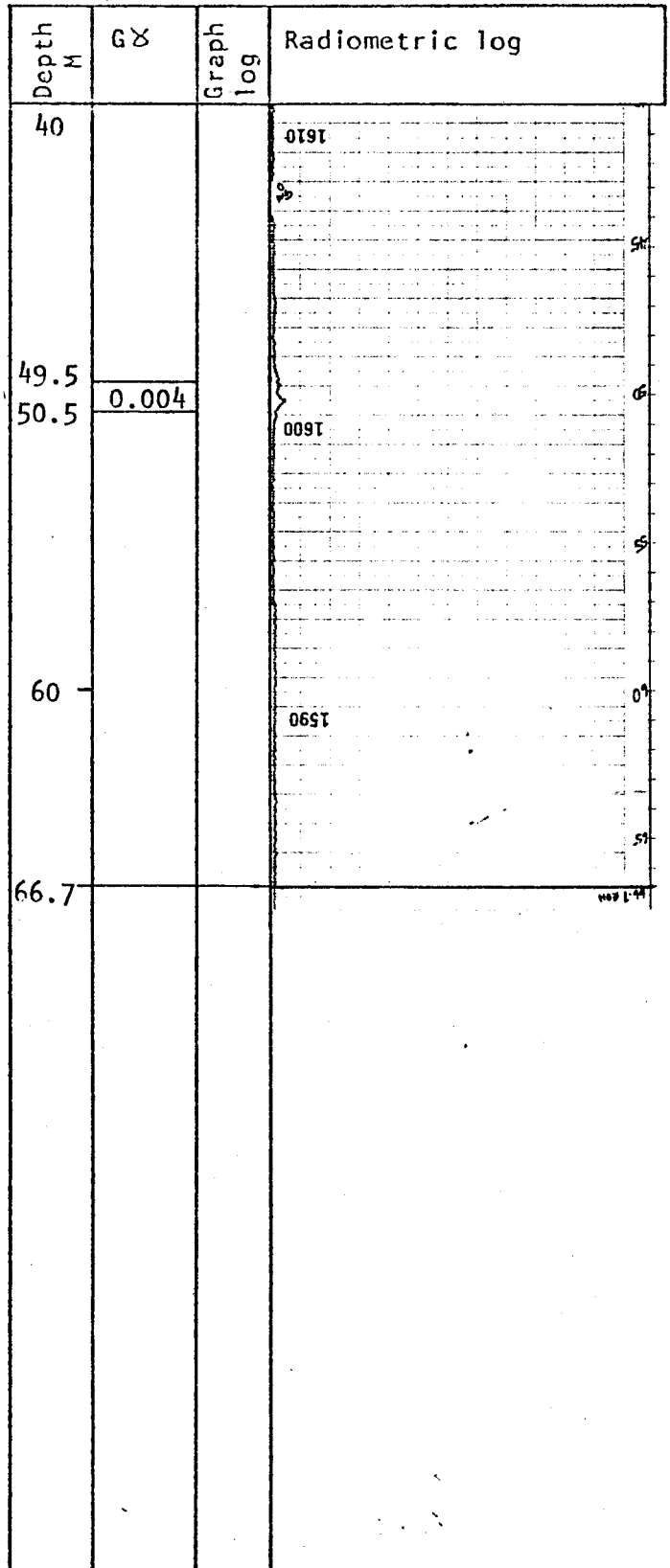
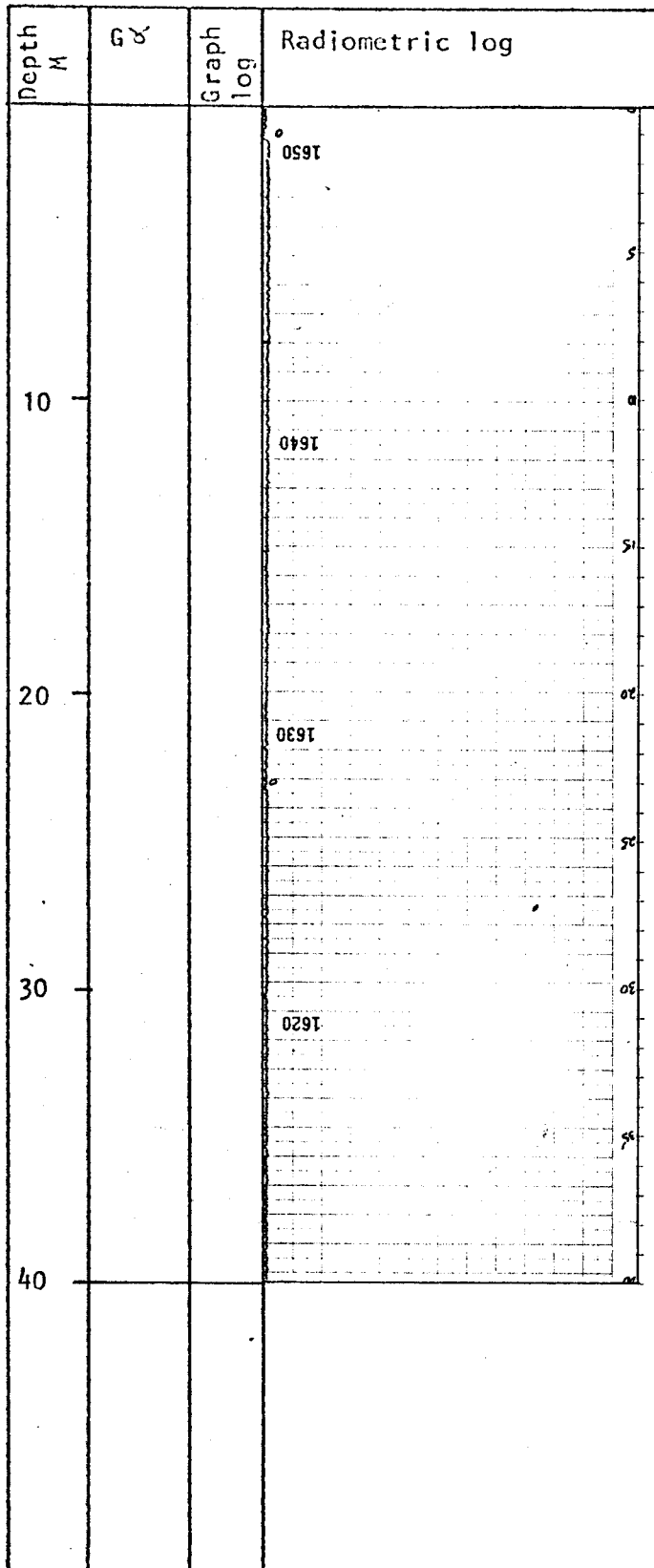


RADIOMETRIC LOG

Property: Tyee Date 30/5/77 Hole No. R-23
 Co-ordinates Lat. 10052.25 N. Elevation 1267.03 m Depth 68.28 m
 Dep. 9496.72 E. Core Size HQ Tricone Rods in hole
 Instrument: GR-410 Probe: 1.5" Exploranium
 Function: T.C. Range 16 100% Chart = 1600 c.p.s.

$G\gamma = {}^{238}\text{U}$ Equivalent

Probed by: L.B.



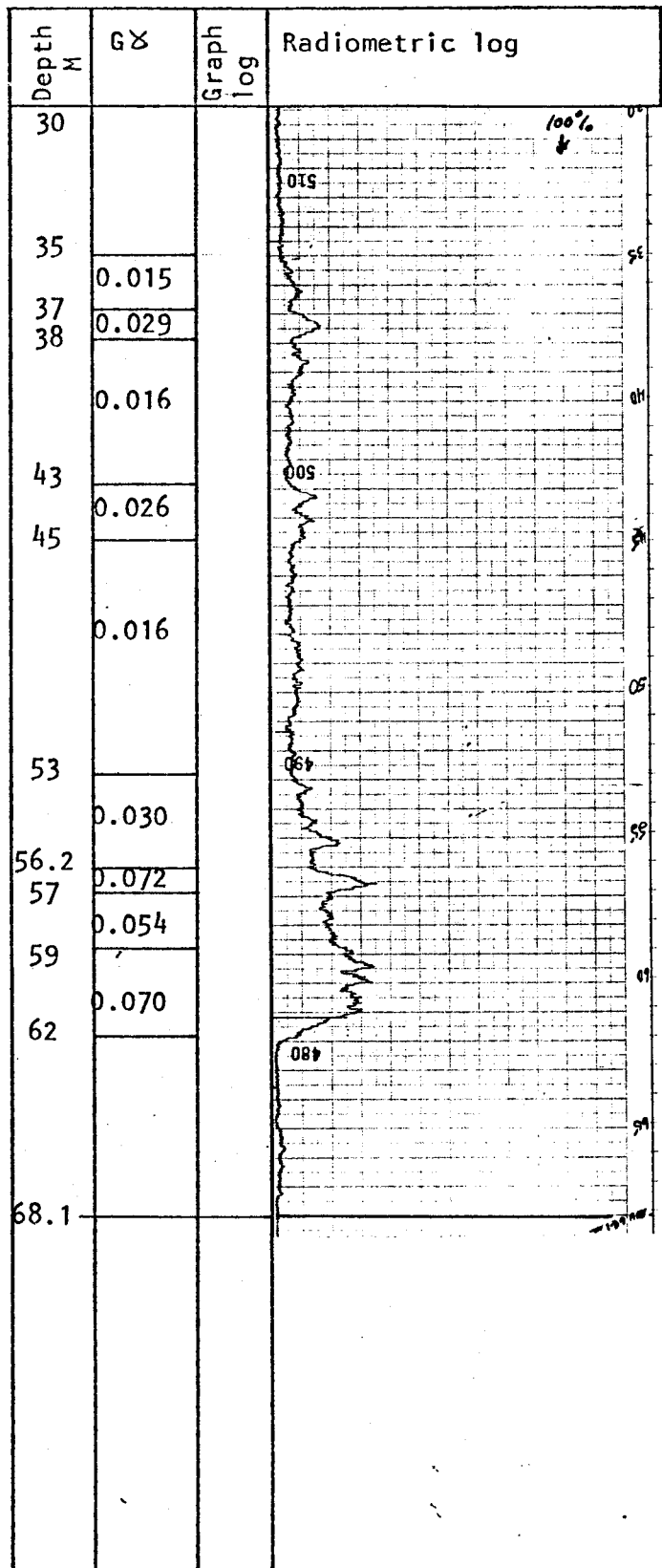
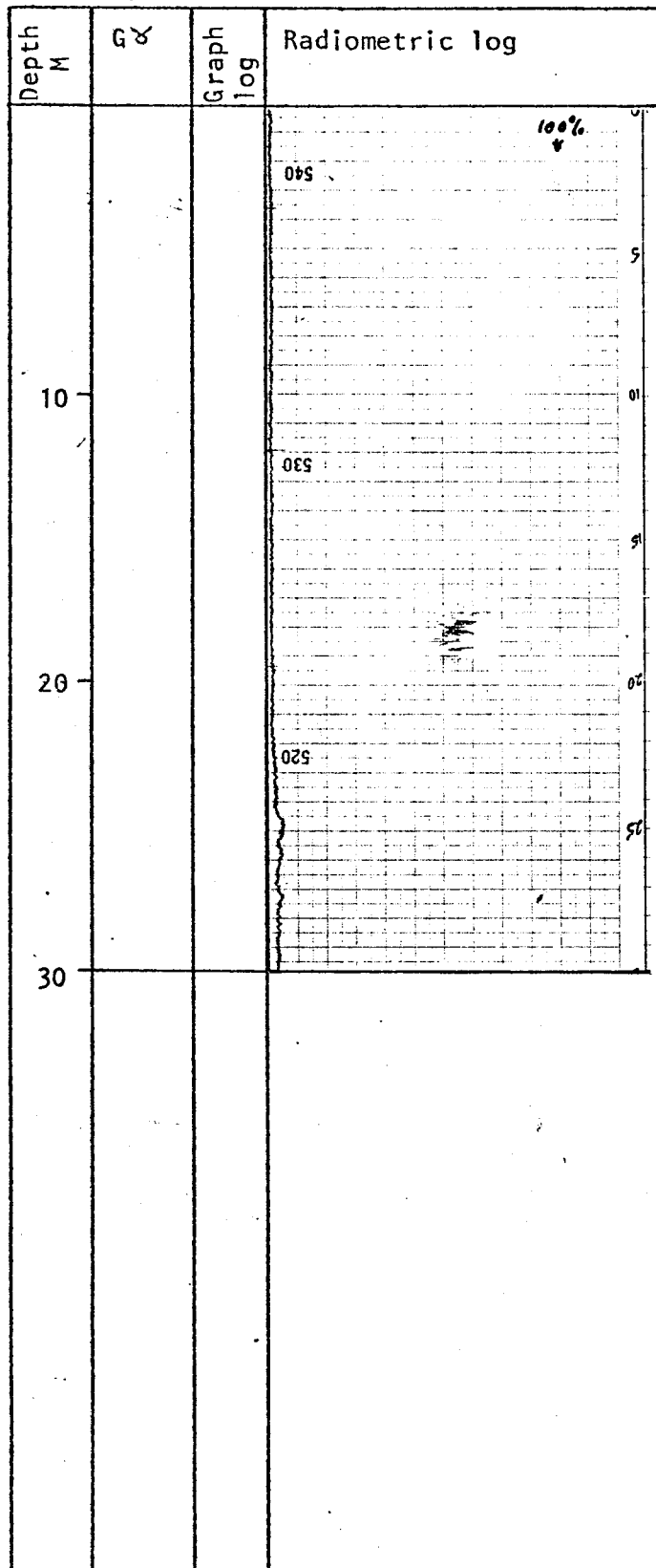
RADIOMETRIC LOG

Property: Tyee Date 01/6/77 Hole No. R-25
 Co-ordinates Lat. 10000.85 N. Elevation 1264.34 m Depth 70.1 m
 Dep. 9350.59 E. Core Size HQ Tricone Rods in hole

Instrument: GR-410 Probe: 1.5" Exploranium
 Function: T.C. Range 16 100% Chart= 1600 c.p.s.

G₂ = %U₃O₈ Equivalent

Probed by: L.B.



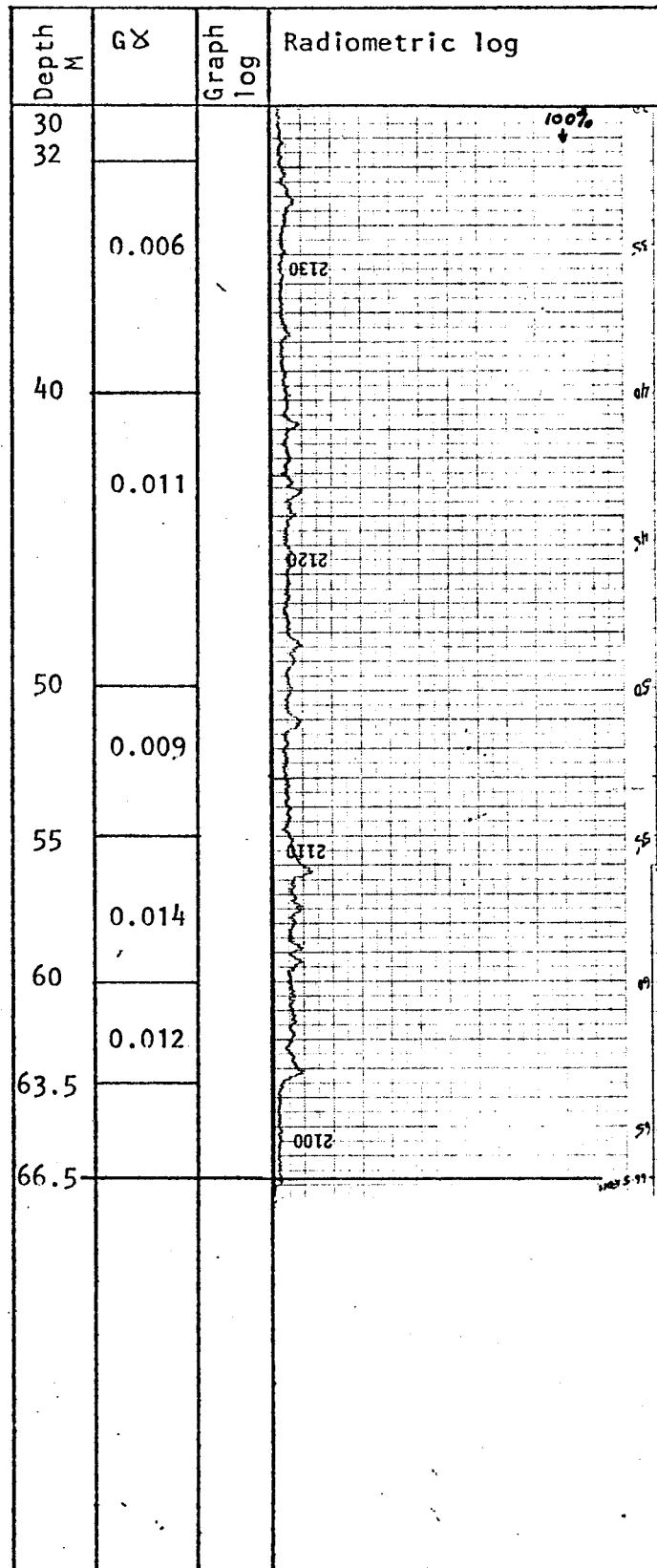
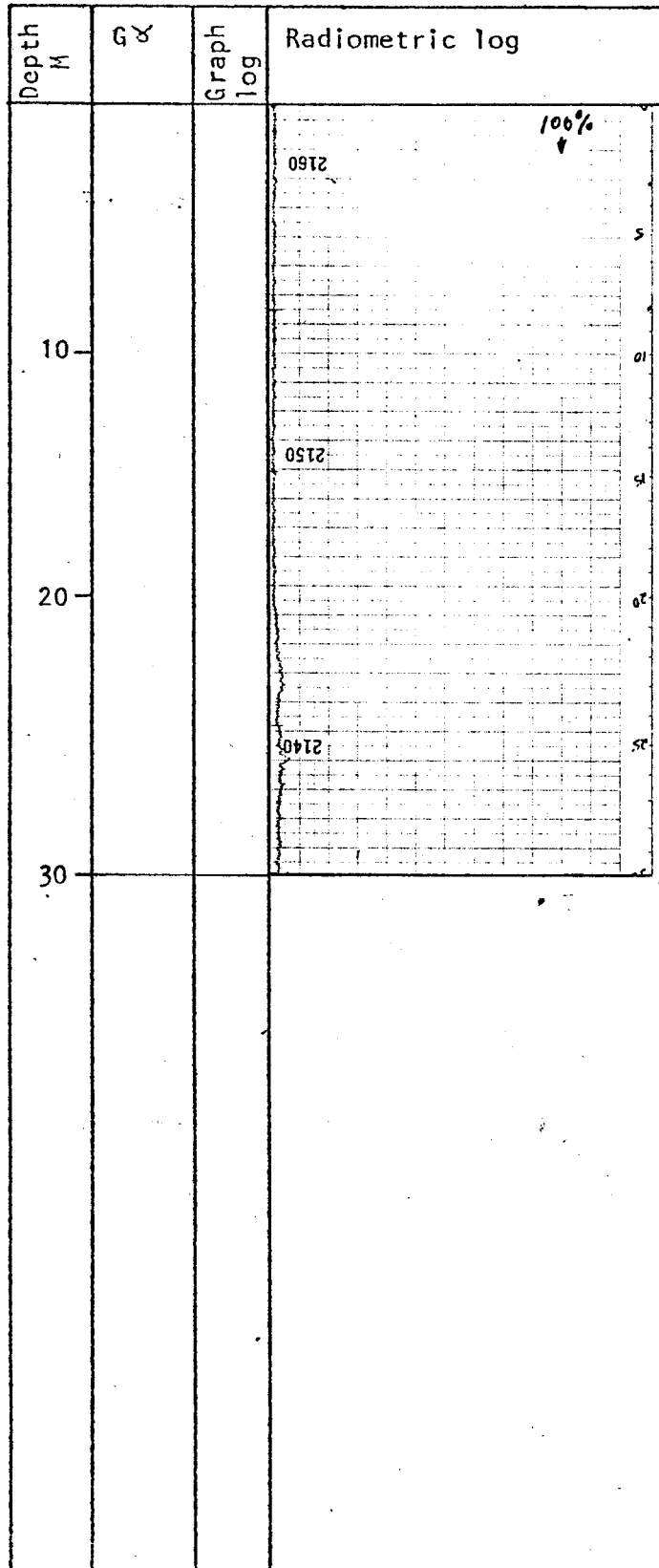
RADIOMETRIC LOG

Property: Tyee Date 02/6/77 Hole No. R-26
 Co-ordinates Lat. 9950.25 N. Elevation 1262.20 m Depth 68.58 m
 Dep. 9399.07 E. Core Size HQ Tricone Rods in hole

Instrument: GR-410 Probe: 1.5" Exploranium
 Function: T.C. Range 16 100% Chart= 1600 c.p.s.

G₂ = %U₃O₈ Equivalent

Probed by: L.B.



RADIOMETRIC LOG

Property: Tyee Date 02/6/77 Hole No. R-27
 Co-ordinates Lat. 9999.96 N. Elevation 1264.21 m Depth 70.41 m
 Dep. 9300.11 E. Core Size HQ Tricone Rods in hole
 Instrument: GR-410 Probe: 1.5" Exploranium
 Function: T.C. Range 16 100% Chart= 1600 c.p.s.

$G\gamma = \%U_3O_8$ Equivalent

Probed by: L.B.

Depth M	$G\gamma$	Graph log	Radiometric log
			0891
10			
			1580
20			
			1570
30			

Depth M	$G\gamma$	Graph log	Radiometric log
30			0891
35	0.009		
42	0.023		1580
45	0.080		
50	0.018		
52	0.042		1580
53.5	0.016		
55.5	0.029		
57	0.018		
60			0891
68			

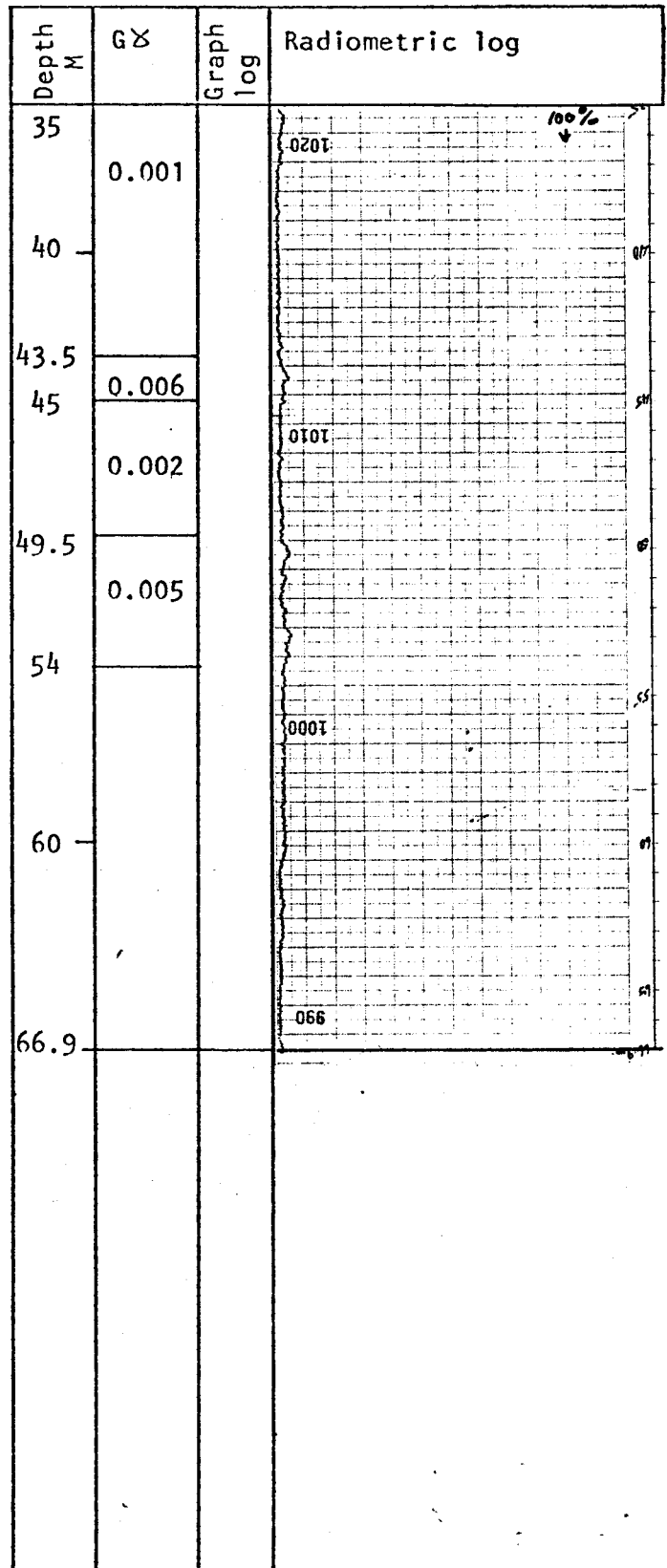
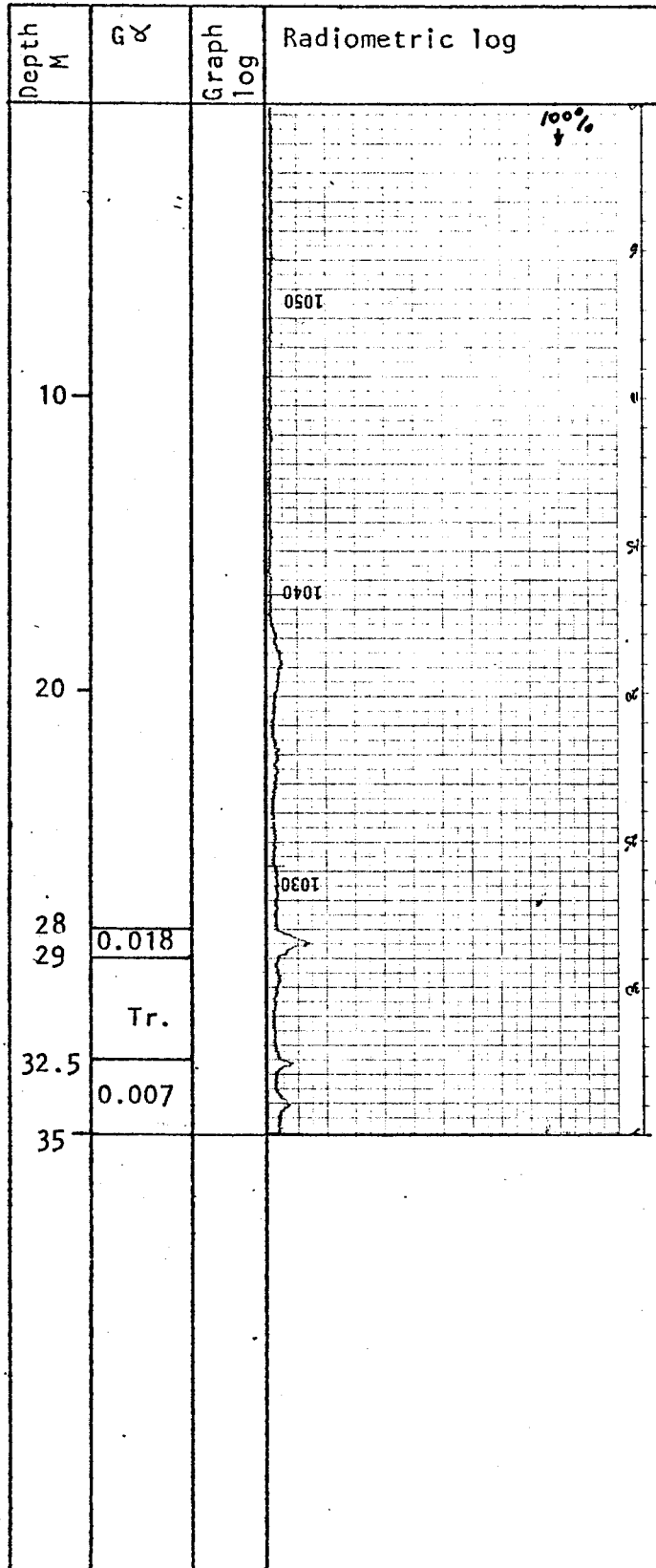
RADIOMETRIC LOG

Property: Tyee Date 03/6/77 Hole No. R-28
 Co-ordinates Lat. 9898.03 N. Elevation 1259.28 m Depth 70.1 m
 Dep. 9433.21 E. Core Size HQ Tricone Rods in hole

Instrument: GR-410 Probe: 1.5" Exploranium
 Function: T.C. Range 16 100% Chart= 1600 c.p.s.

$G\gamma = {}^238U_8$ Equivalent

Probed by: L.B.

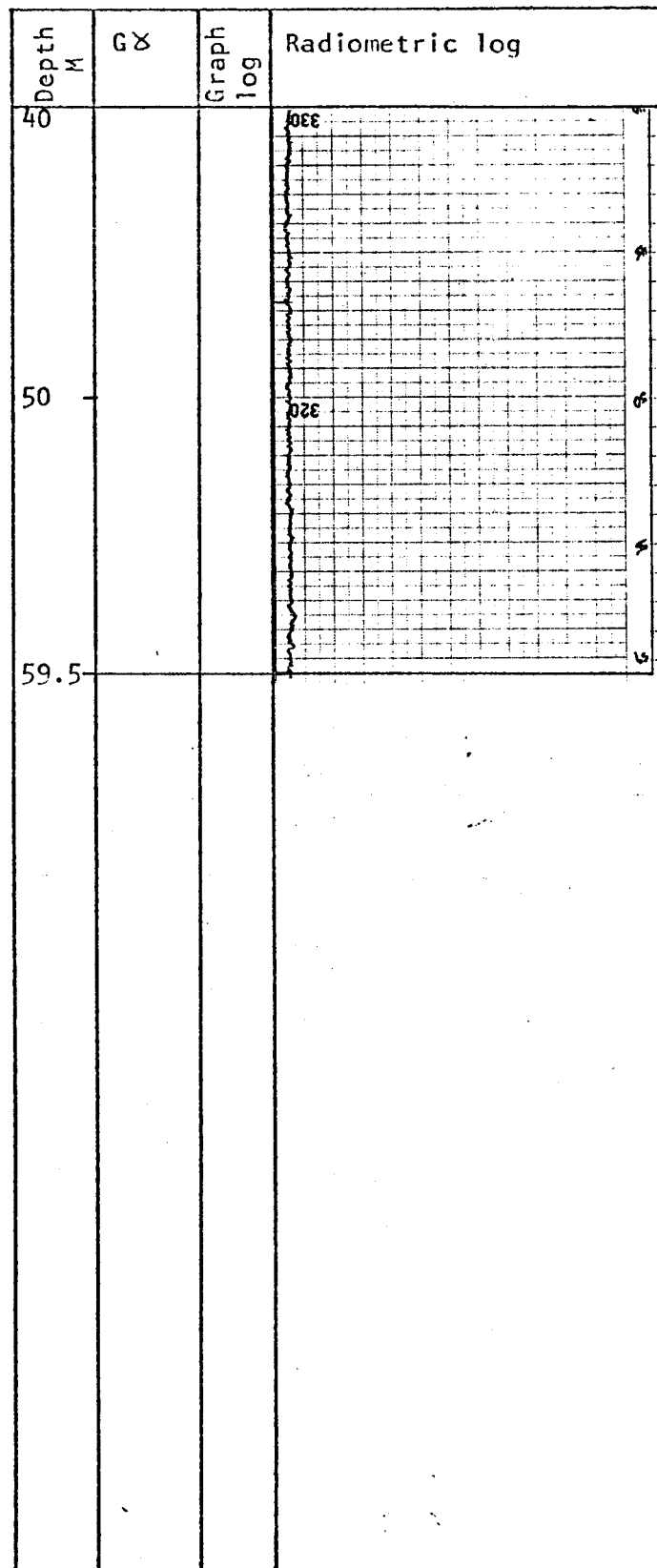
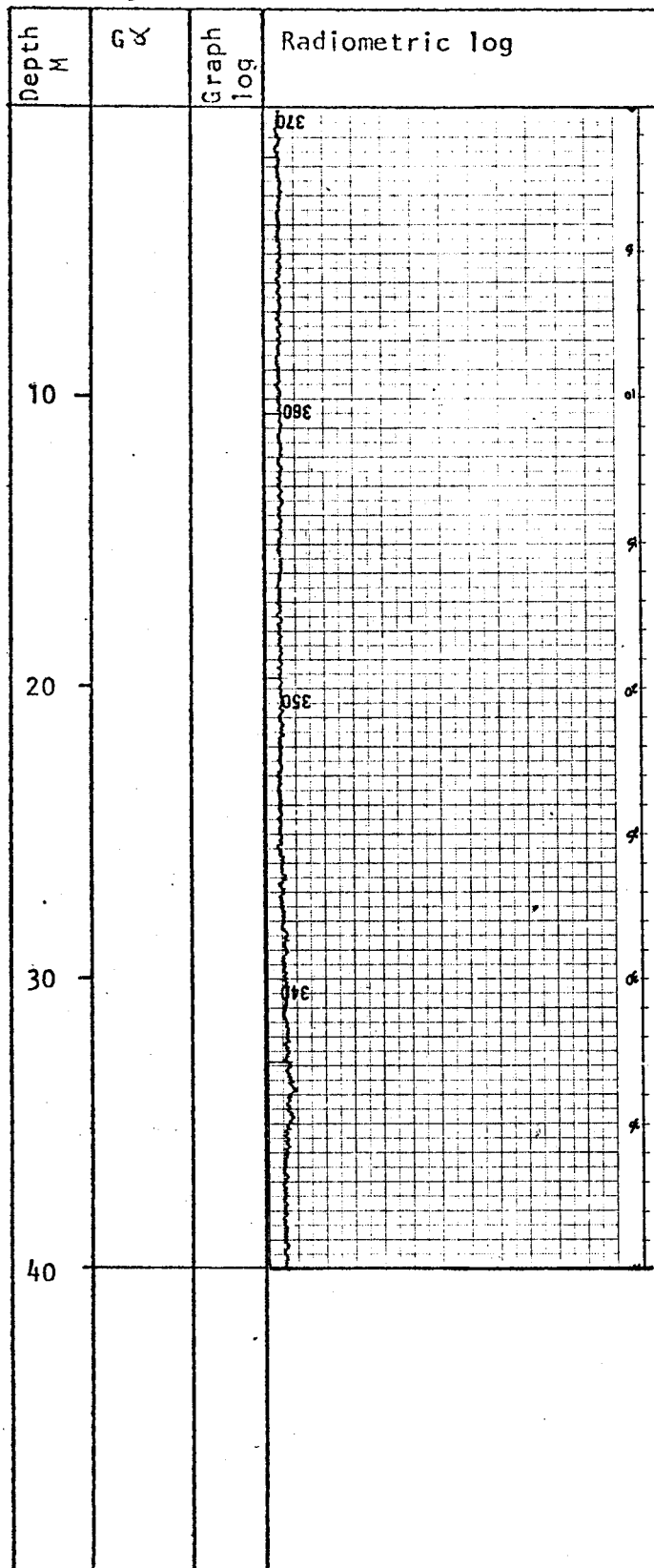


RADIOMETRIC LOG

Property: Type Date 04/6/77 Hole No. R-29
 Co-ordinates Lat. 9999.86 N. Elevation 1260.16 m Depth 60.96 m
 Dep. 9250.56 E. Core Size HQ Tricone Rods in hole
 Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 100% Chart = 800 c.p.s.

$G^X = {}^2U_3O_8$ Equivalent

Probed by: L.B.



RADIOMETRIC LOG

Property: Tyee Date 05/6/77 Hole No. R-30

Co-ordinates Lat. 9900.64 N. Elevation 1255.04 m Depth 54.86 m

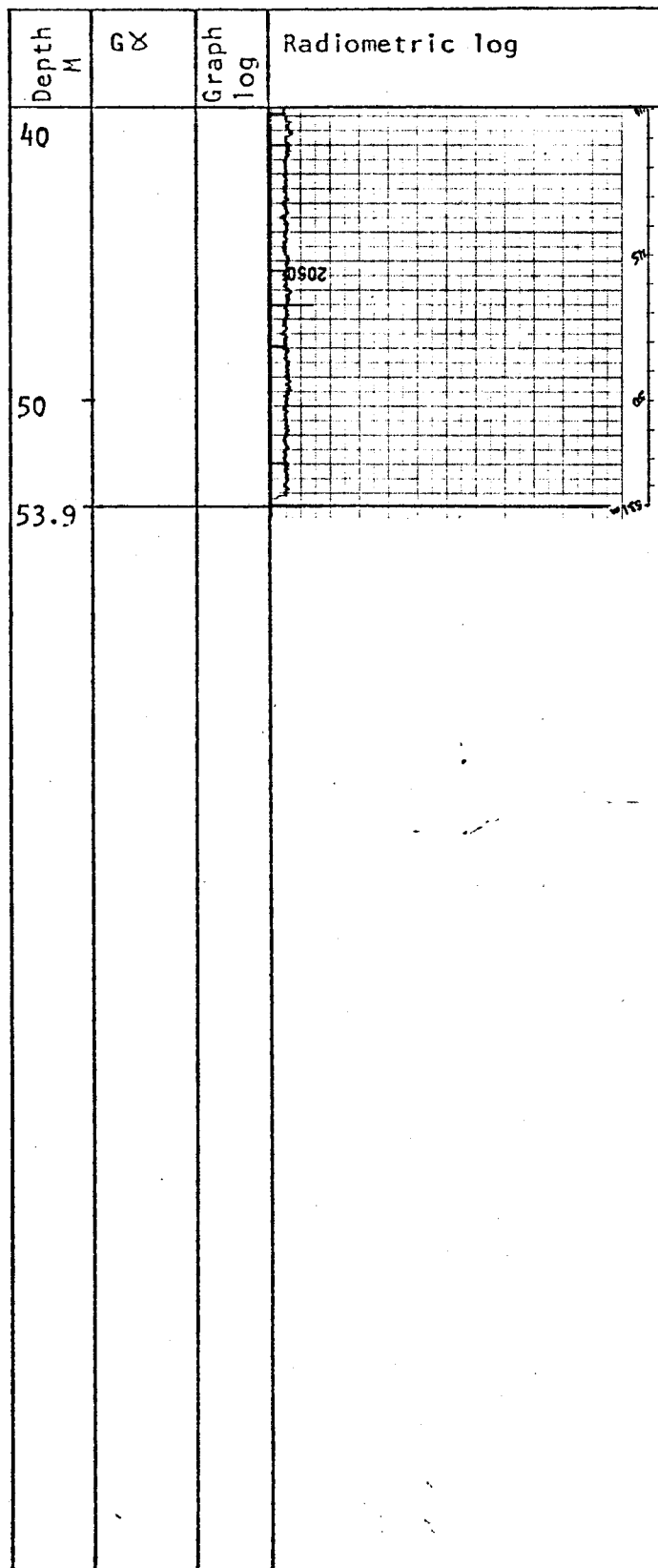
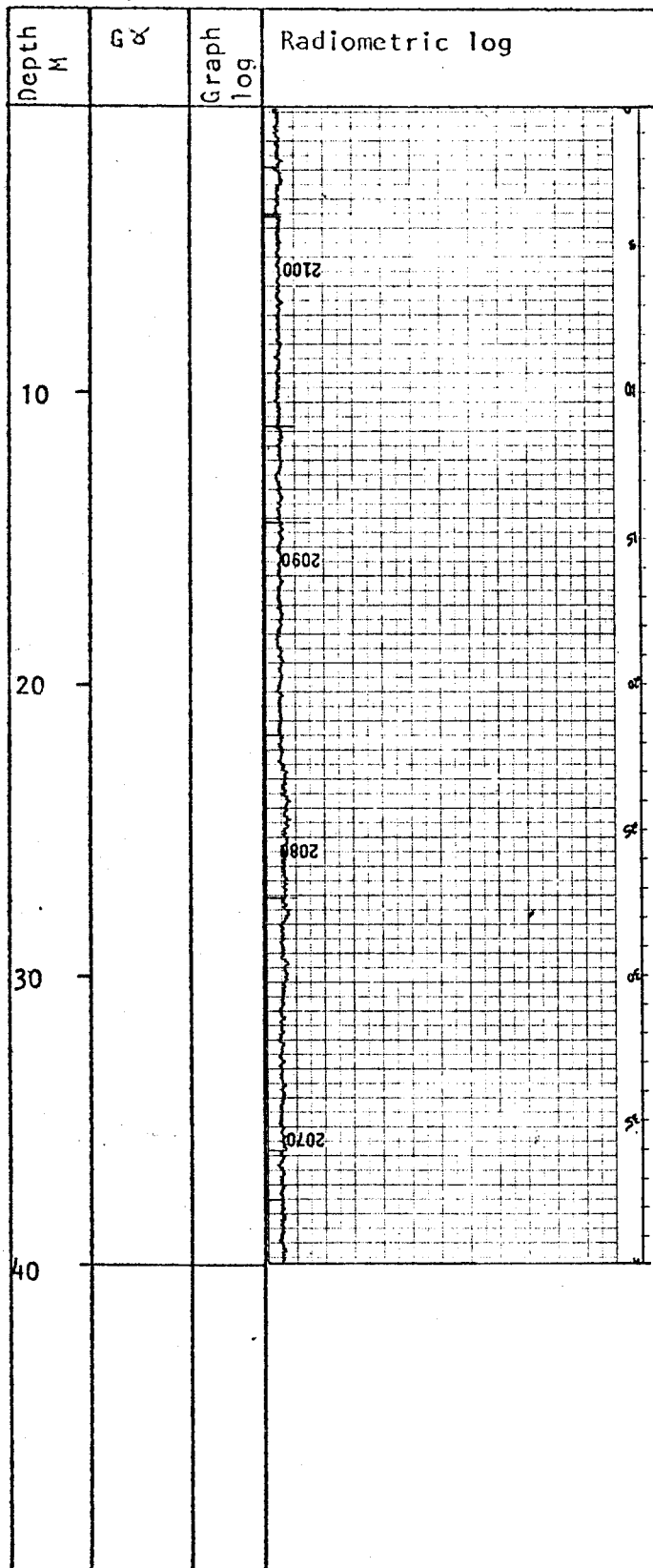
Dep. 9250.54 E. Core Size NW Rods in hole

Instrument: GR-410 Probe: 1.25^u Exploranium

Function: T.C. Range 8 100% Chart= 800 c.p.s.

$G^{\alpha} = \%U_{38}$ Equivalent

Probed by: L.B.

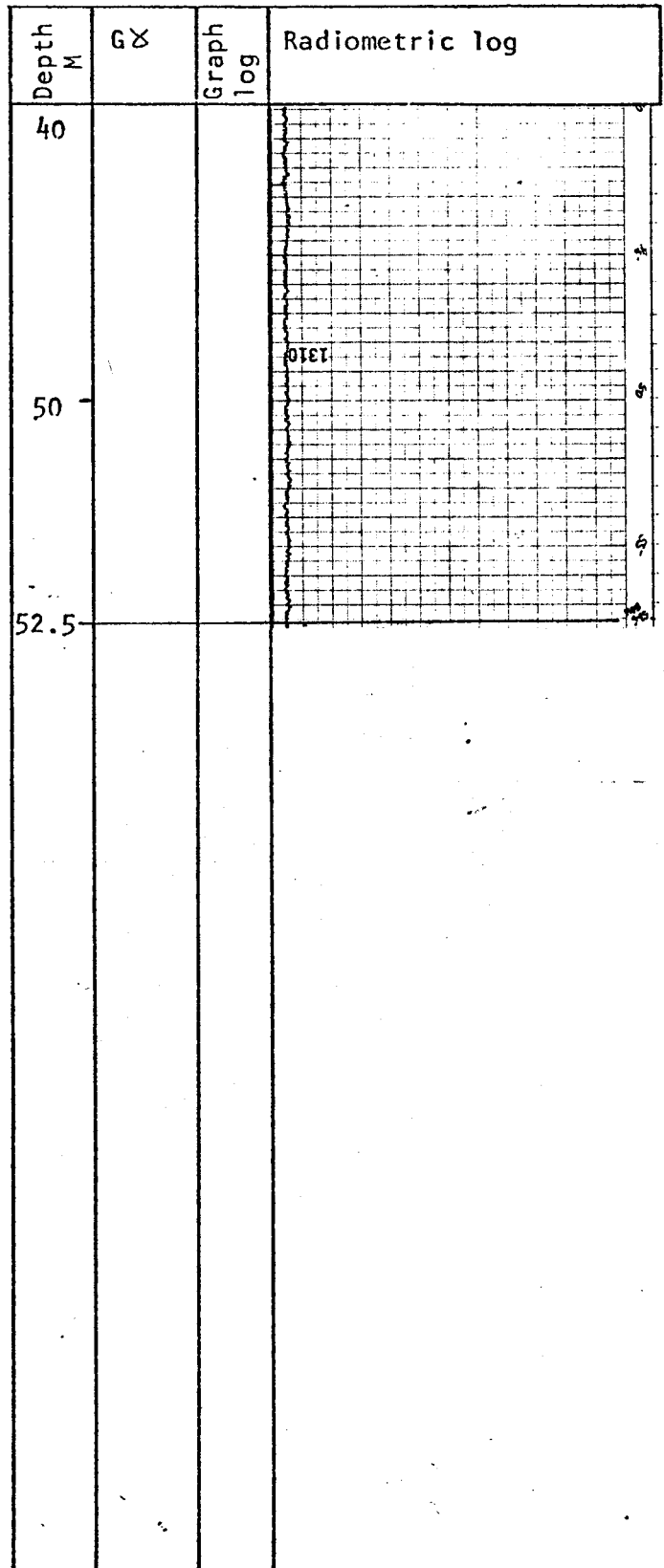
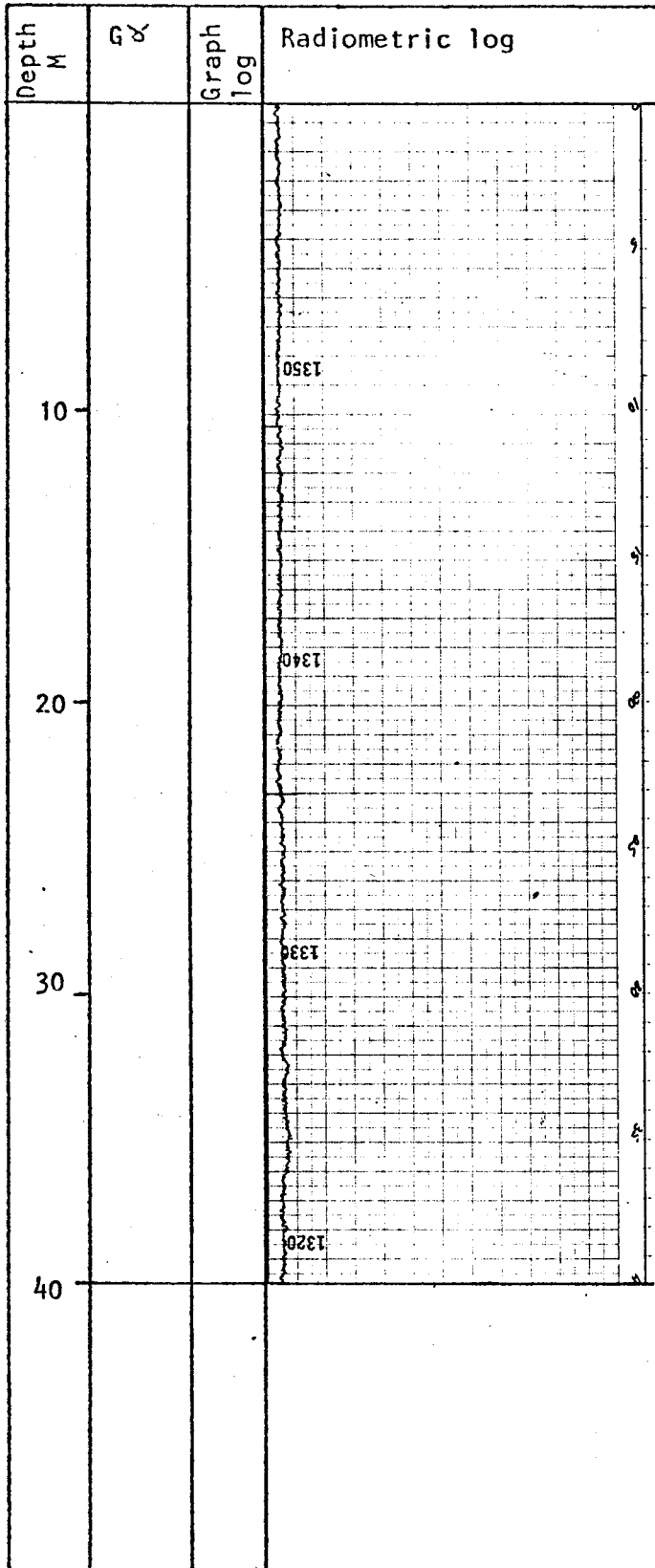


RADIOMETRIC LOG

Property: Tyee Date 08/6/77 Hole No. R-31
 Co-ordinates Lat. 9949.67 N. Elevation 1258.26 m Depth 57.91 m
 Dep. 9250.00 E. Core Size HQ Tricone Rods in hole
 Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 100% Chart = 800 c.p.s.

$G^\gamma = \%U_3O_8$ Equivalent

Probed by: L.B.

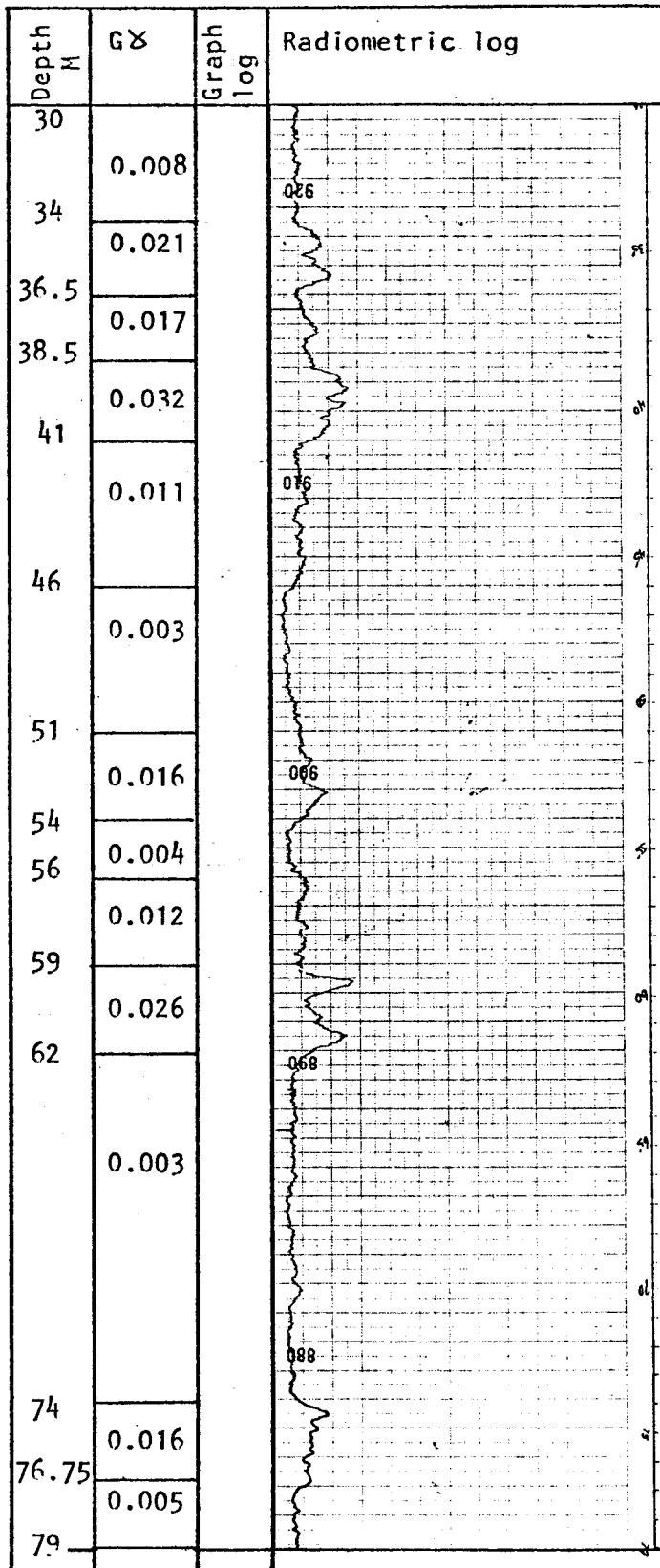
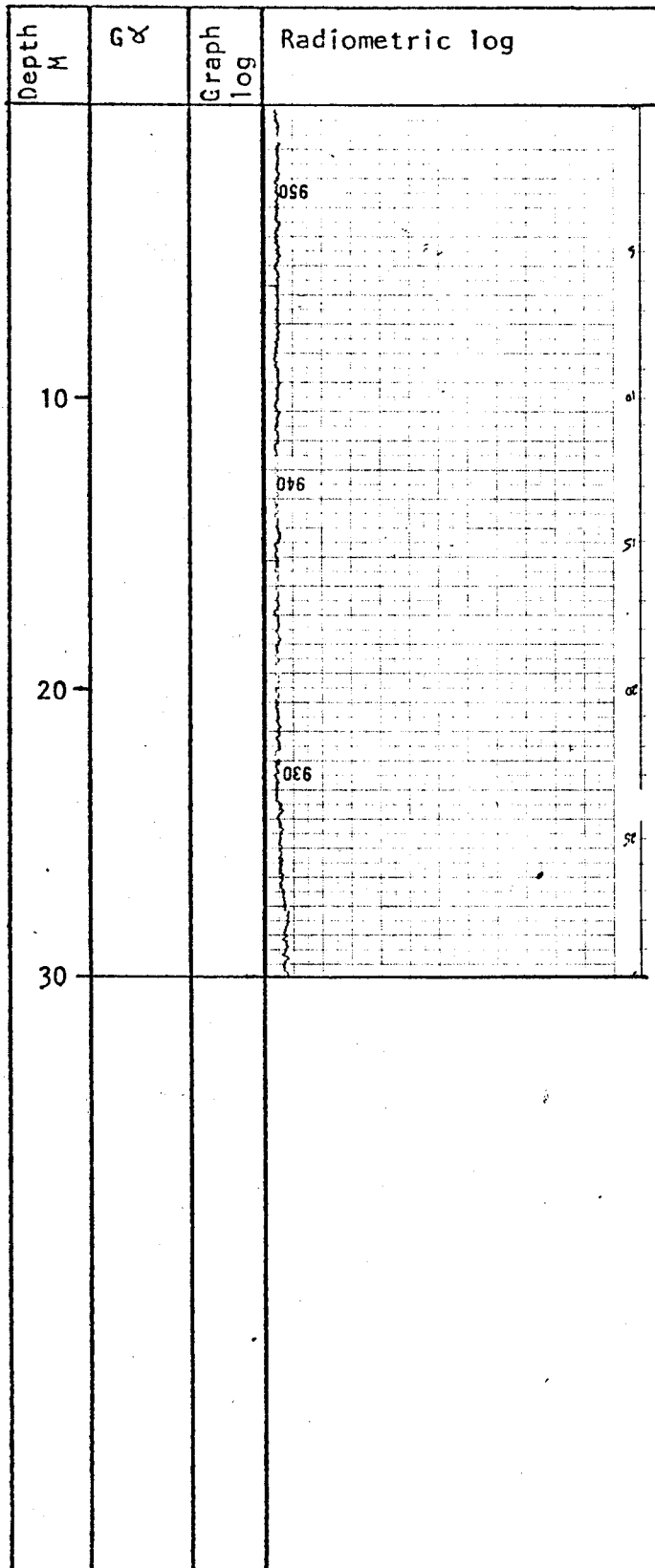


RADIOMETRIC LOG

Property: Tyee Date 09/6/77 Hole No. R-32
 Co-ordinates Lat 9900.60 N. Elevation 1255.71 m Depth 79.25 m
 Dep 9297.83 E. Core Size NW Rods in hole
 Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range R 100% Chart = 800 c.p.s.

$G\gamma = \%U_3O_8$ Equivalent

Probed by: L.B.



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RADIOMETRIC LOG

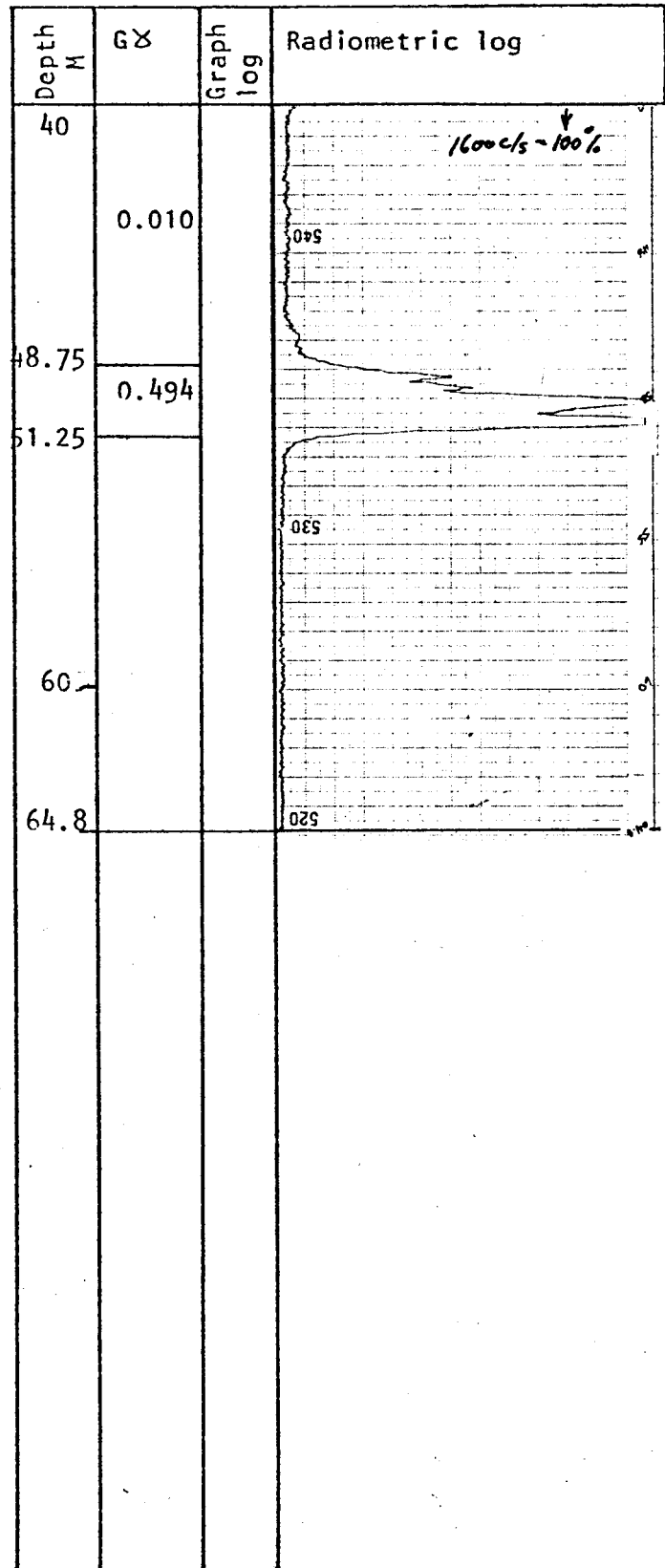
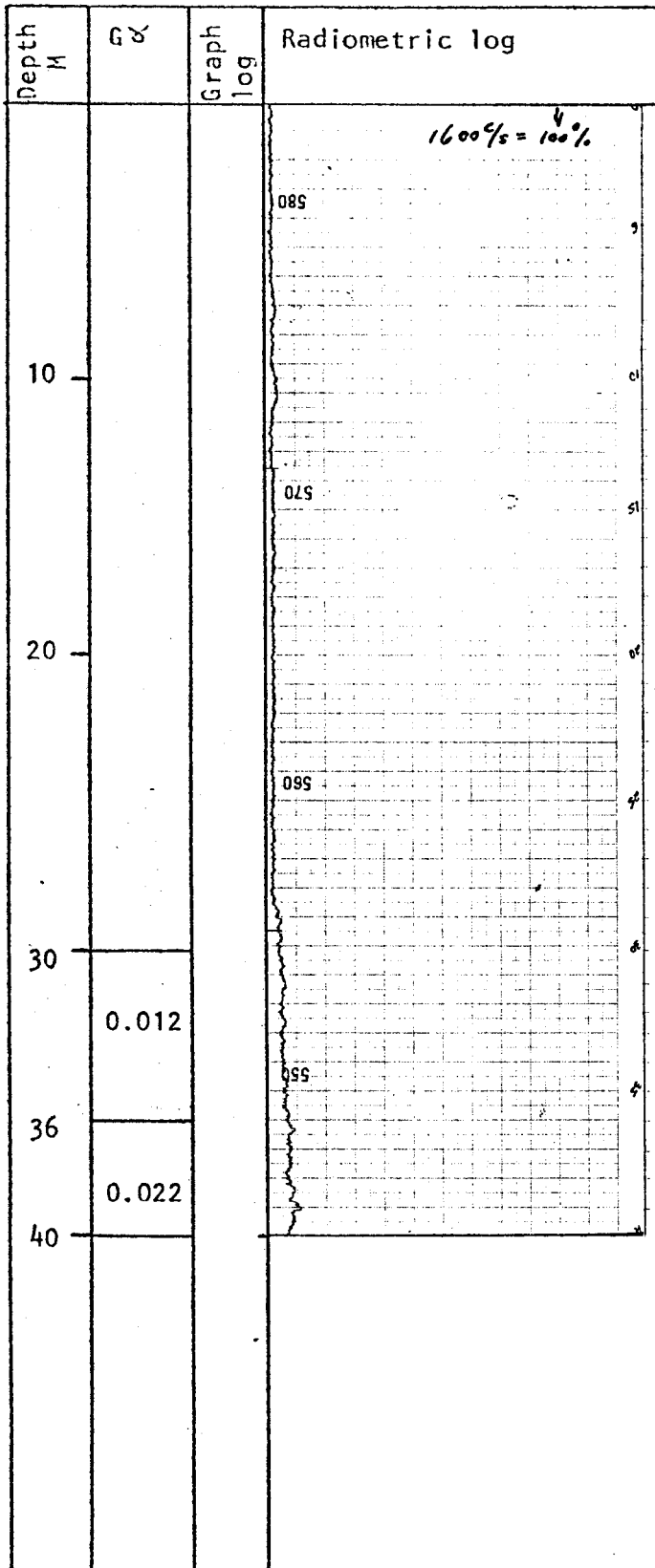
Property: Tyee Date 09/6/77 Hole No. R-33
 Co-ordinates Lat. 9950.59 N. Elevation 1255.41 m Depth 65.23 m
 Dep. 9299.78 E. Core Size HQ Rods Rods in hole

Instrument: GR-410 Probe: 1.25" Exploranium

Function: T.C. Range 16 100% Chart= 1600 c.p.s.

$G\gamma = \frac{1}{2}U_3O_8$ Equivalent

Probed by: L.B.



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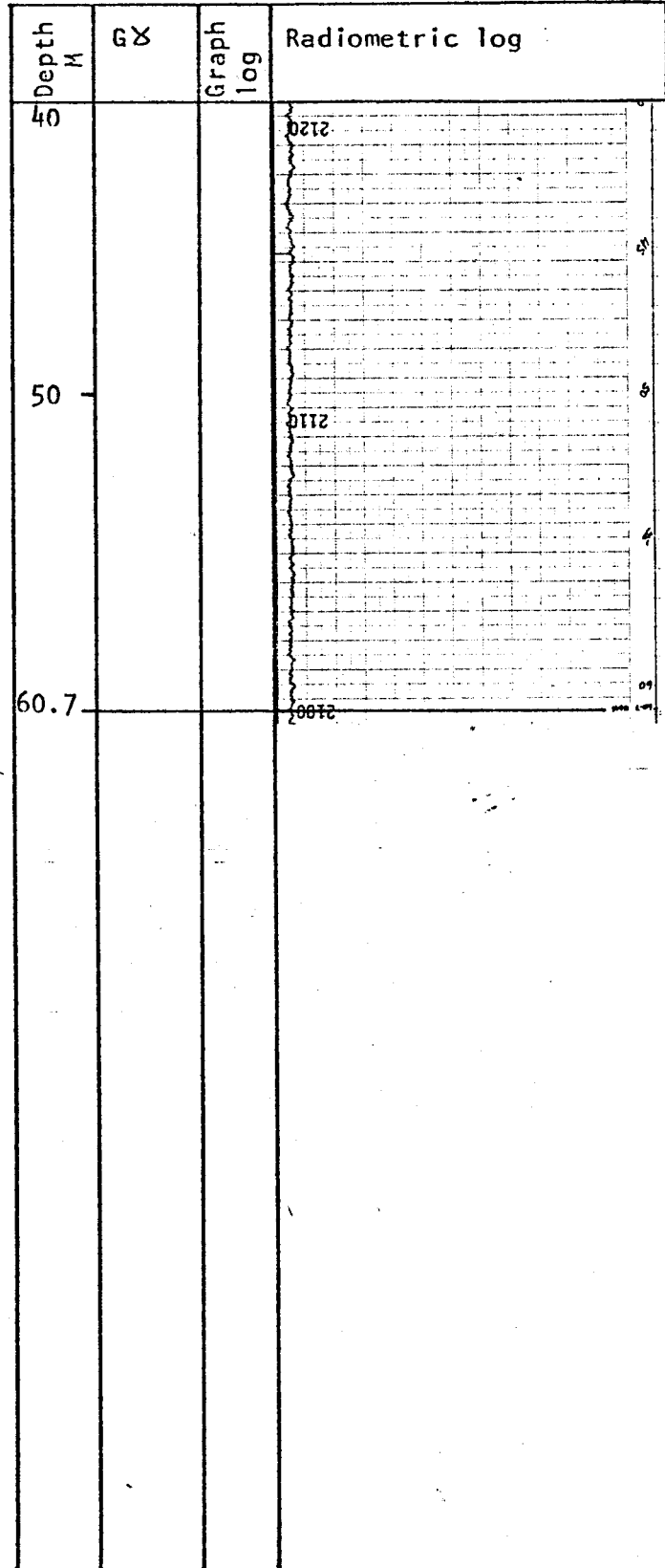
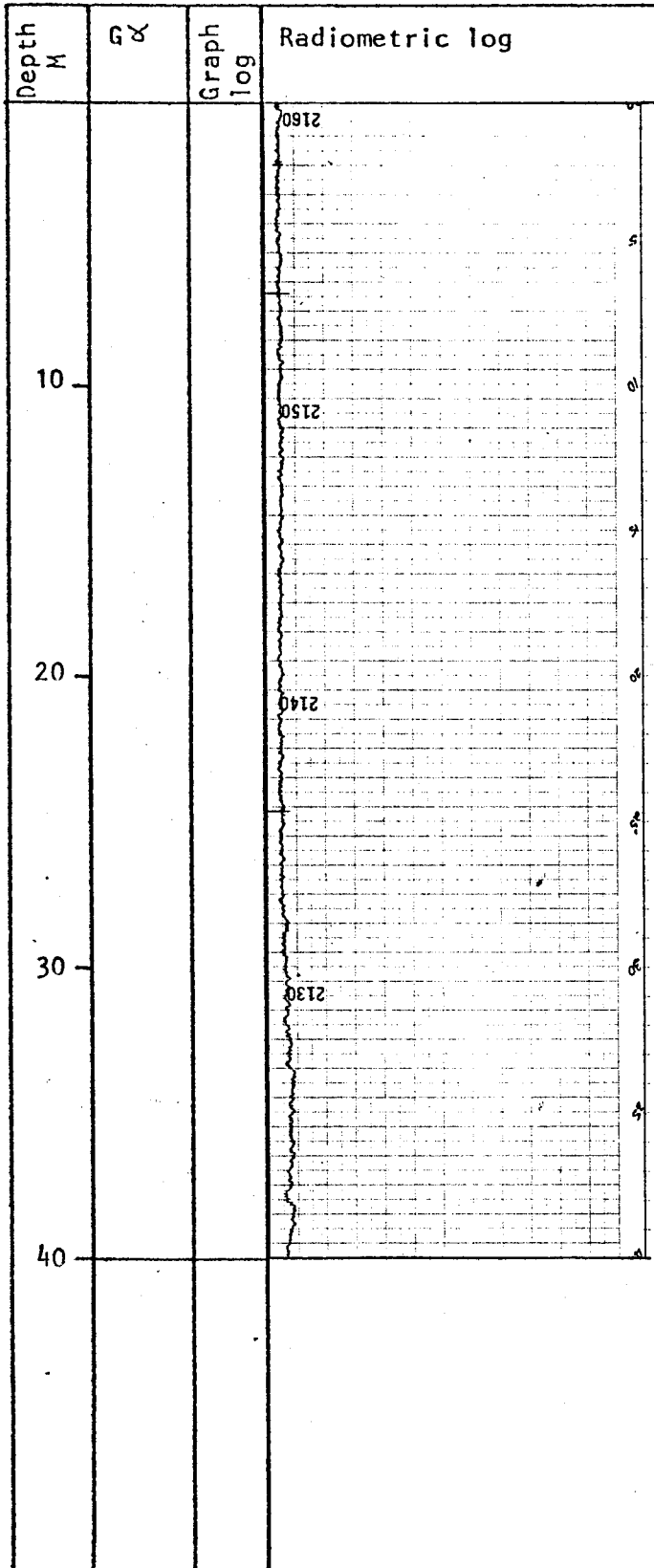
RADIOMETRIC LOG

Property: Type Date 10/6/77 Hole No. R-34
 Co-ordinates Lat. 9924.95 N. Elevation 1255.24 m Depth 60.96 m
 Dep. 9273.12 E. Core Size NW rods Rods in hole

Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 100% Chart= 800 c.p.s.

$G\gamma = \%U_3O_8$ Equivalent

Probed by: _____

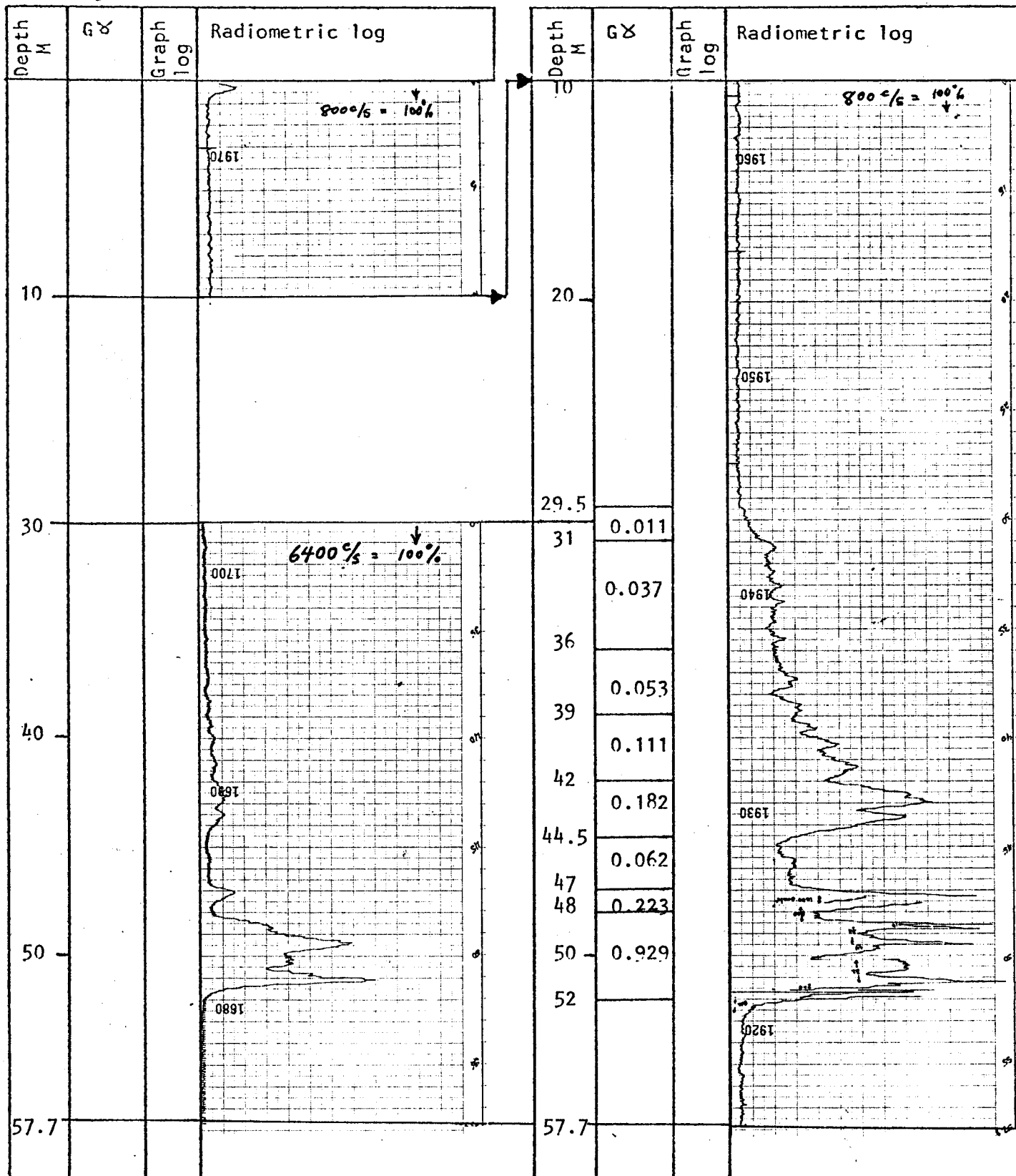


RADIOMETRIC LOG

Property: Tyee Date 10/6/77 Hole No. R-35
 Co-ordinates Lat. 9925.48 N. Elevation 1256.04 m Depth 57.91 m
 Dep. 9325.23 E. Core Size H' Rods Rods in hole
 Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 & 64 100% Chart = 800 & 6400 c.p.s.

$G^x = \%U_3O_8$ Equivalent

Probed by: L.B.



RADIOMETRIC LOG

Property: Tyee Date 11/6/77 Hole No. R-36
 Co-ordinates Lat. 9876.09 N. Elevation 1256.79 m Depth 67.06 m
 Dep. 9380.10 E. Core Size NW rods Rods in hole
 Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 100% Chart= 800 c.p.s.

$G\gamma = {}^238\text{U}_3\text{O}_8$ Equivalent

Probed by: L.B.

Depth M	$G\gamma$	Graph log	Radiometric log
10			0030
20			0201
30			0101
40			1000

Depth M	$G\gamma$	Graph log	Radiometric log
40			066
43.5	0.008		
47.5	0.006		
52	0.024		085
54.2	0.011		
57.2	0.023		
58.7			076
66.5			

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RADIOMETRIC LOG

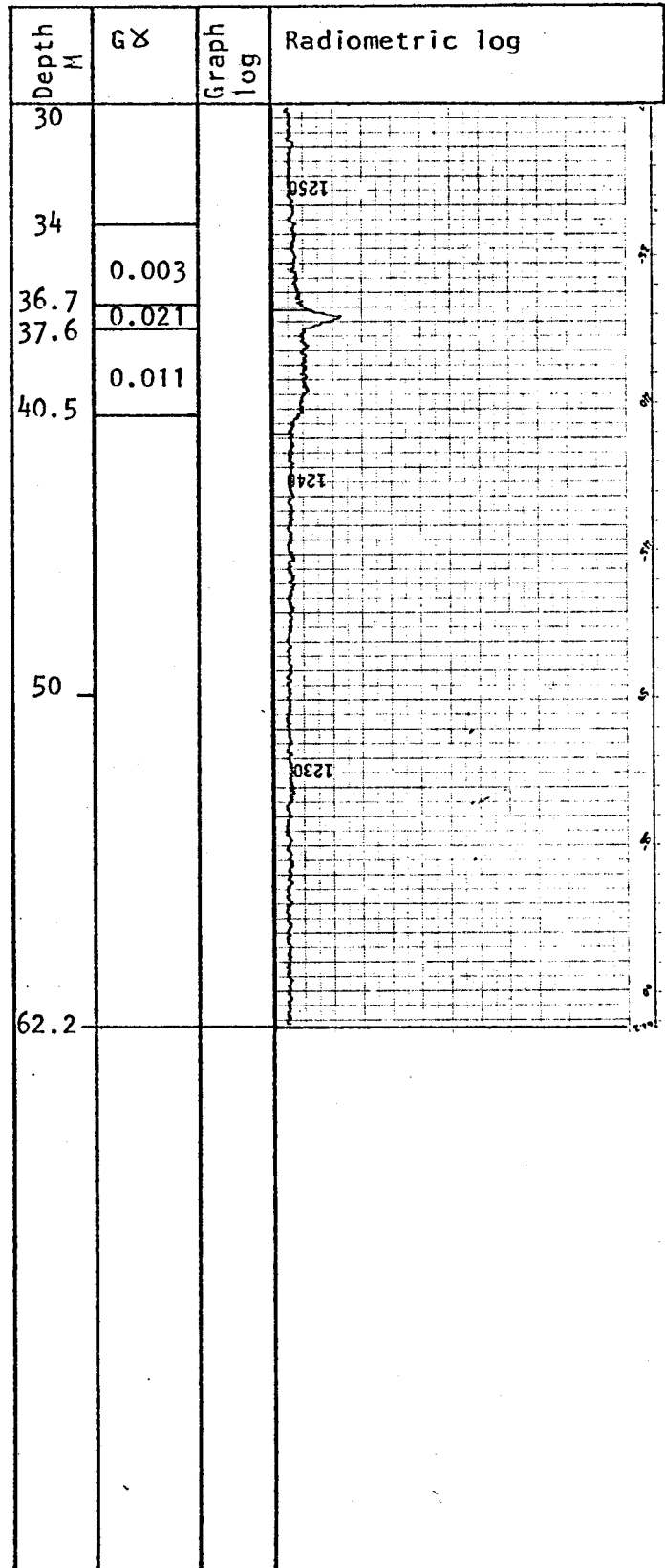
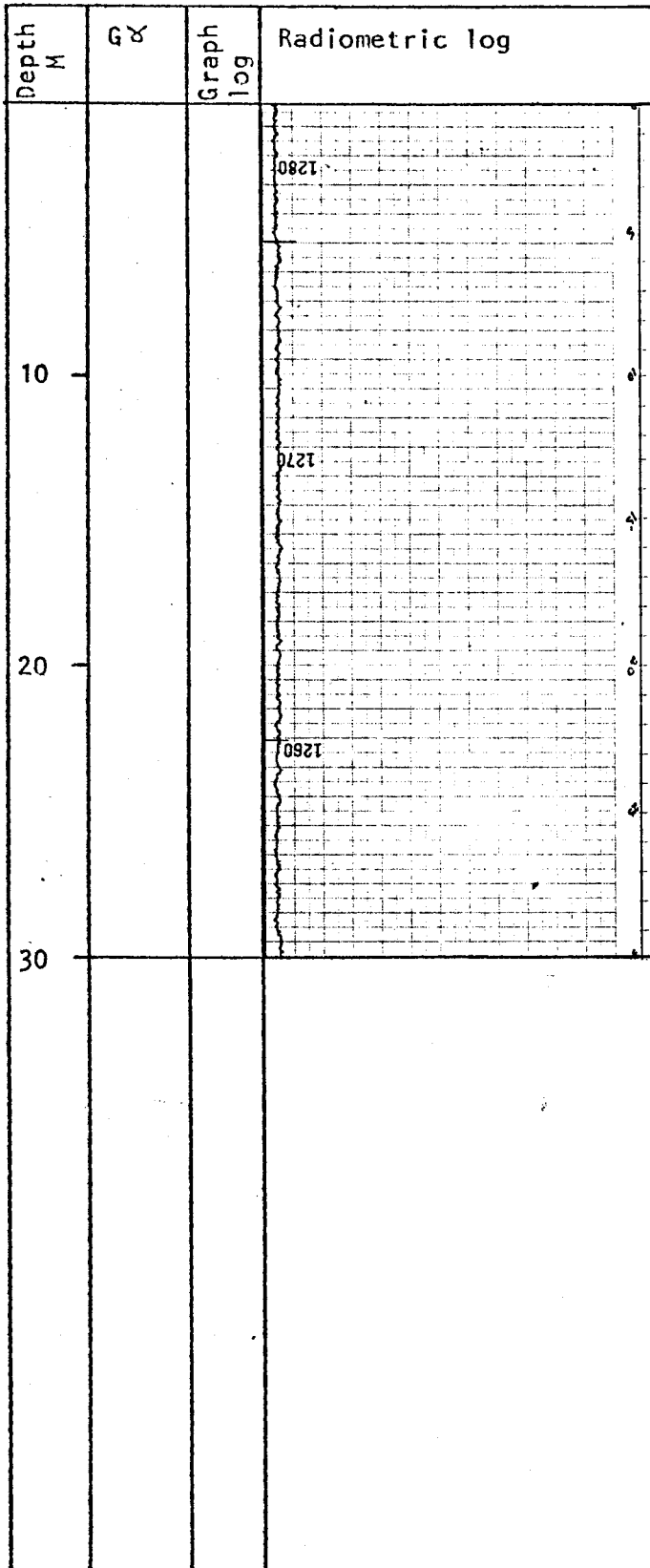
Property: Type Date 11/6/77 Hole No. R-37
 Co-ordinates Lat. 9974.22 N. Elevation 1259.69 m Depth 60.96 m
 Dep. 9274.98 E. Core Size H rods Rods in hole

Instrument: GR-410 Probe: 1.25" Exploranium

Function: T.C. Range 8 100% Chart = 800 c.p.s.

$G\gamma = {}^2U_3O_8$ Equivalent

Probed by: L.B.



Noranda Exploration Company, Limited

RADIOMETRIC LOG

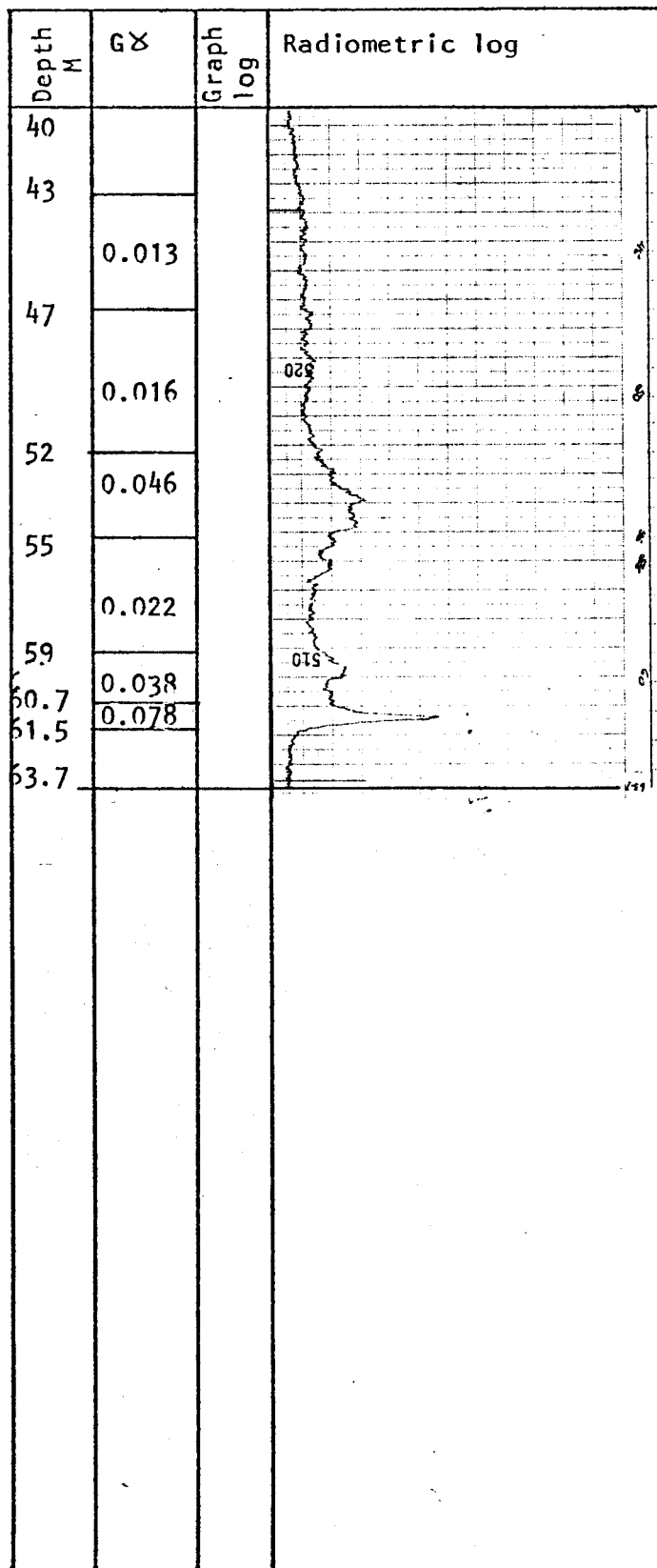
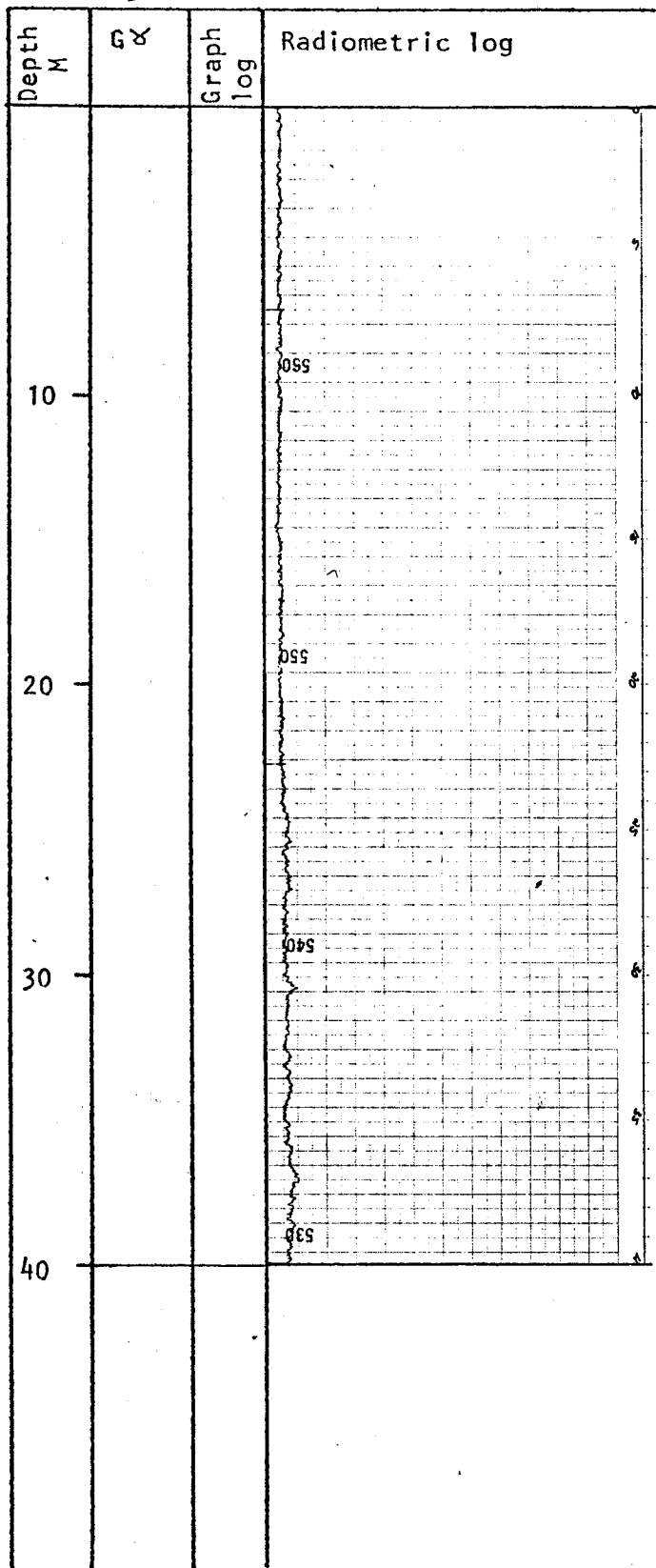
Property: Tyee Date 12/6/77 Hole No. R-38
 Co-ordinates Lat 9924.26 N. Elevation 1260.31 m Depth 64.01 m
 Dep 9374.93 E. Core Size NW Rods Rods in hole

Instrument: GR-410 Probe: 1.25" Exploranium

Function: T.C. Range 8 100% Chart = 800 c.p.s.

$G\gamma = \%U_3O_8$ Equivalent

Probed by: L.B.



Noranda Exploration Company, Limited

RADIOMETRIC LOG

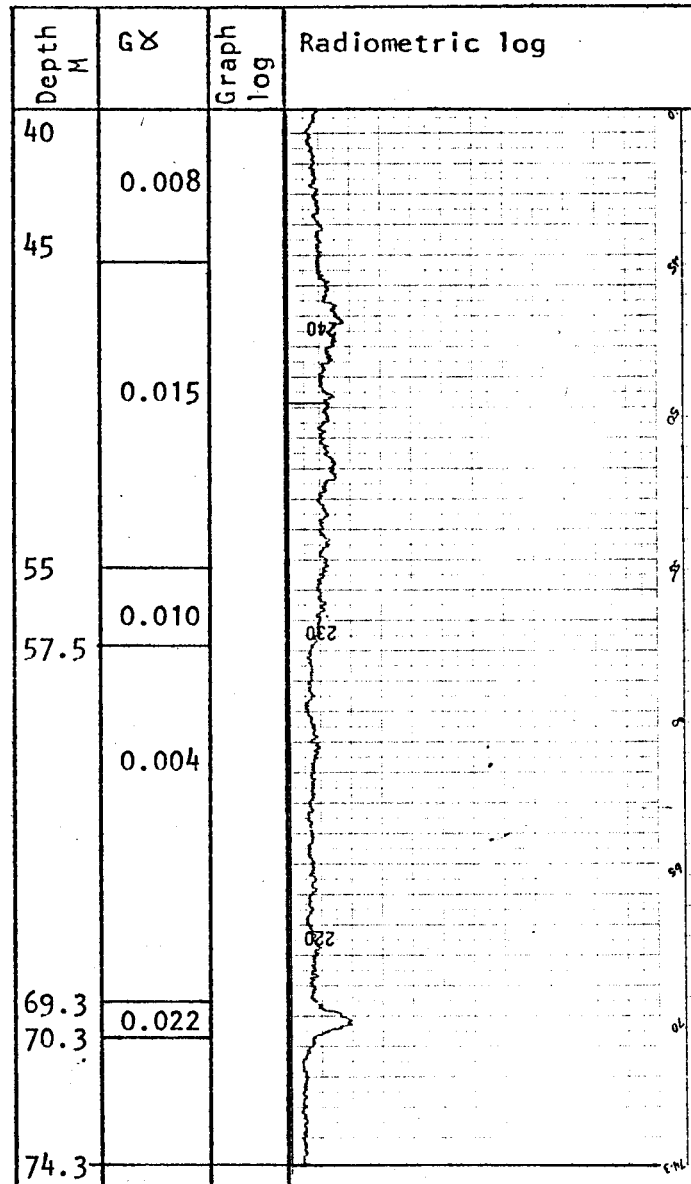
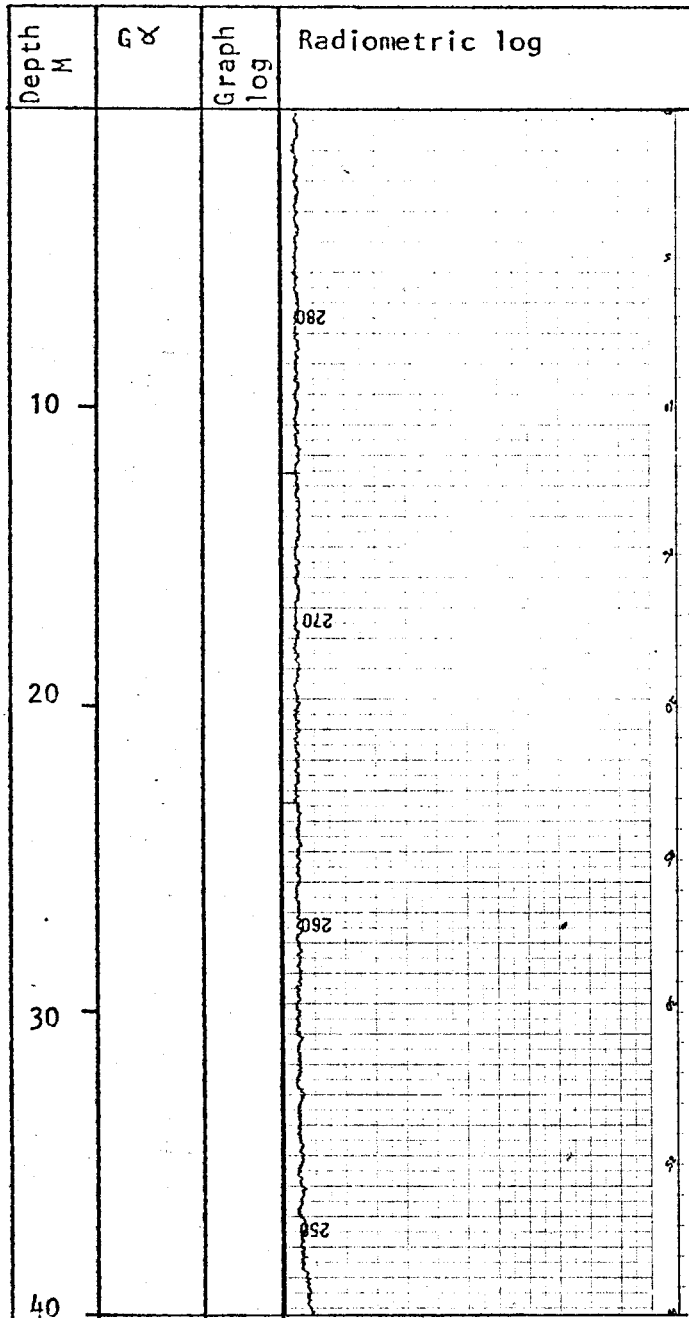
Property: Tyee Date 13/6/77 Hole No. R-39
 Co-ordinates Lat. 10124.97 N. Elevation 1270.47 m Depth 74.37 m
 Dep. 9224.39 E. Core Size H rods Rods in hole

Instrument: GR-410 Probe: 1.25" Exploranium

Function: T.C. Range 8 100% Chart = 800 c.p.s.

$G^X = {}^2U_3O_8$ Equivalent

Probed by: L.B.

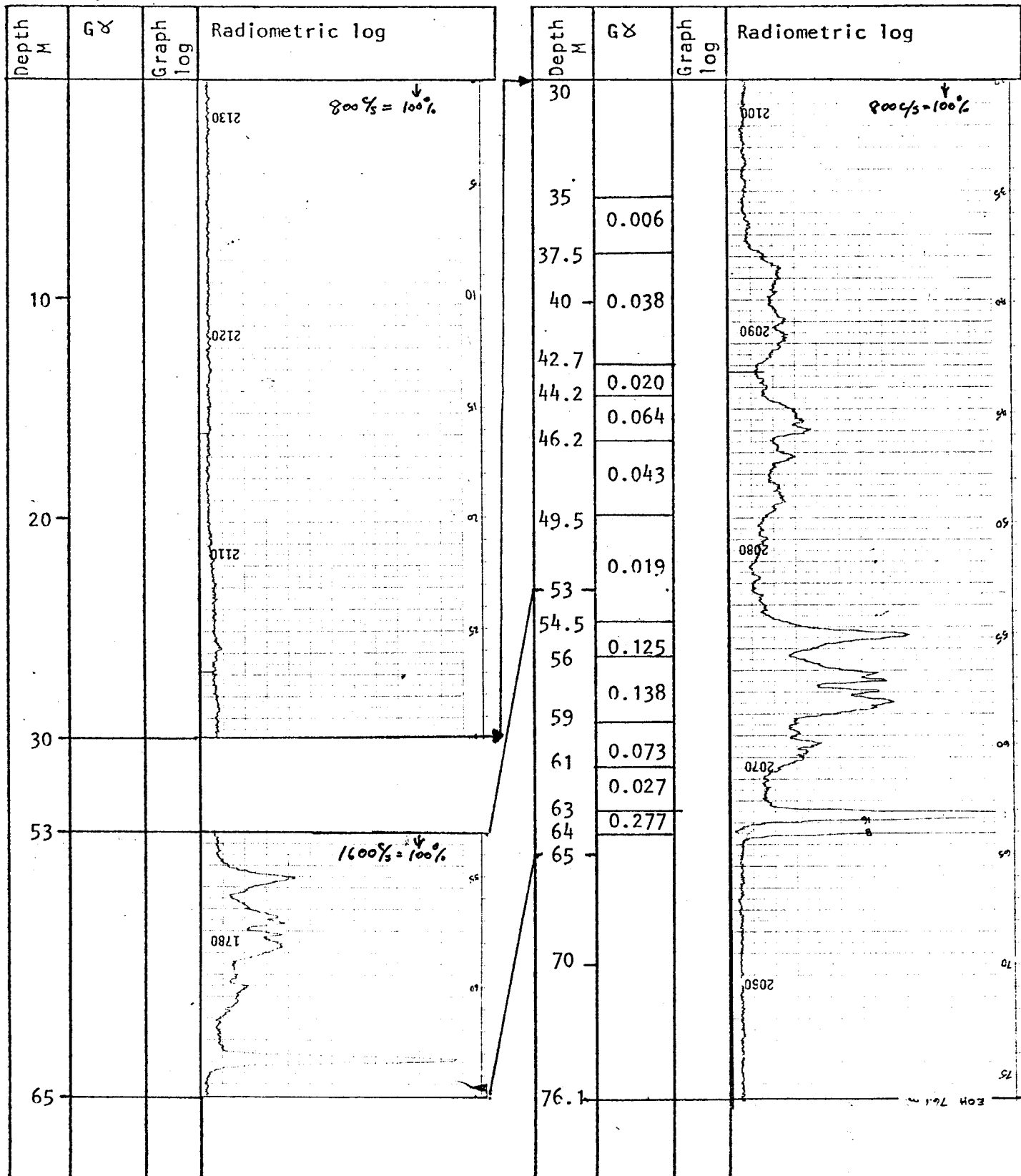


RADIOMETRIC LOG

Property: Tyee Date 13/6/77 Hole No. R-40
 Co-ordinates Lat. 9974.97 N. Elevation 1263.92 m Depth 76.20 m
 Dep. 9374.84 E. Core Size NW Rods Rods in hole
 Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8&16 100% Chart = 800&1600 c.p.s.

$G\gamma = \%U_3O_8$ Equivalent

Probed by: G.F.

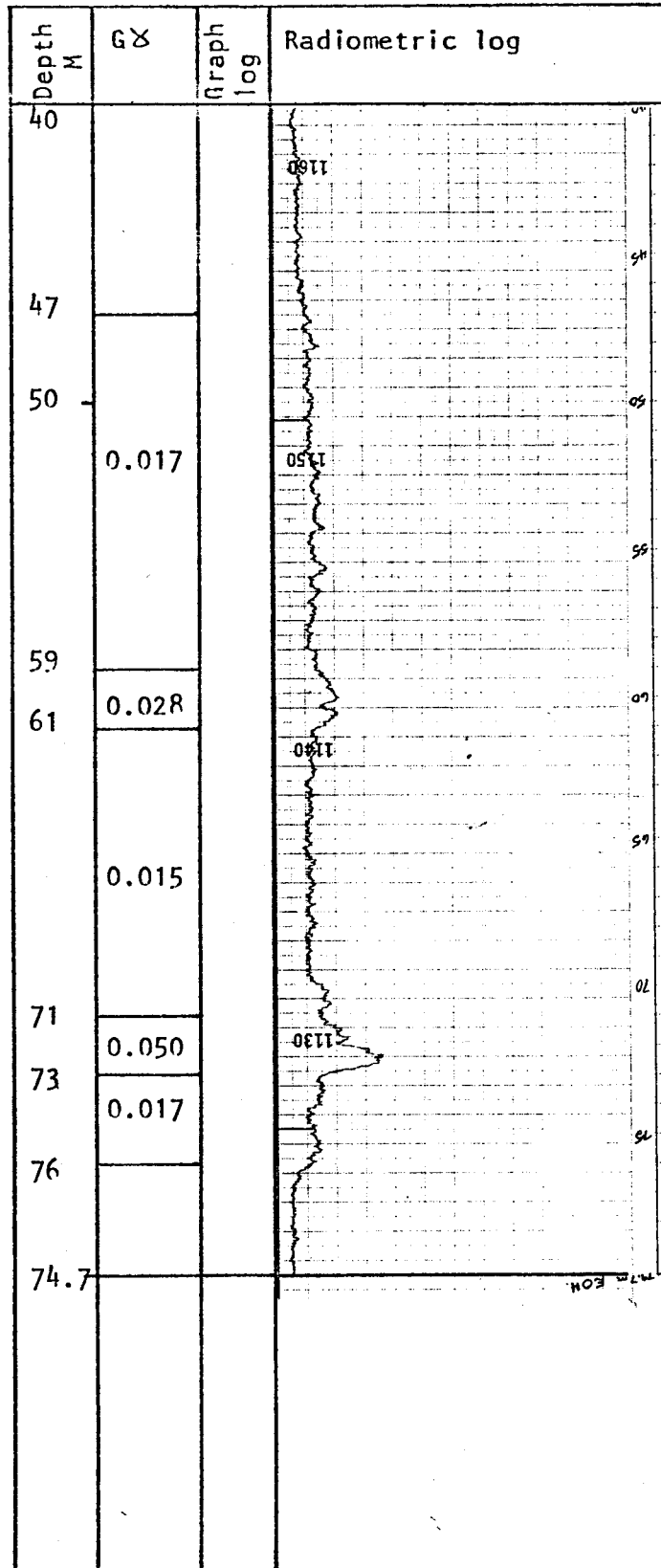
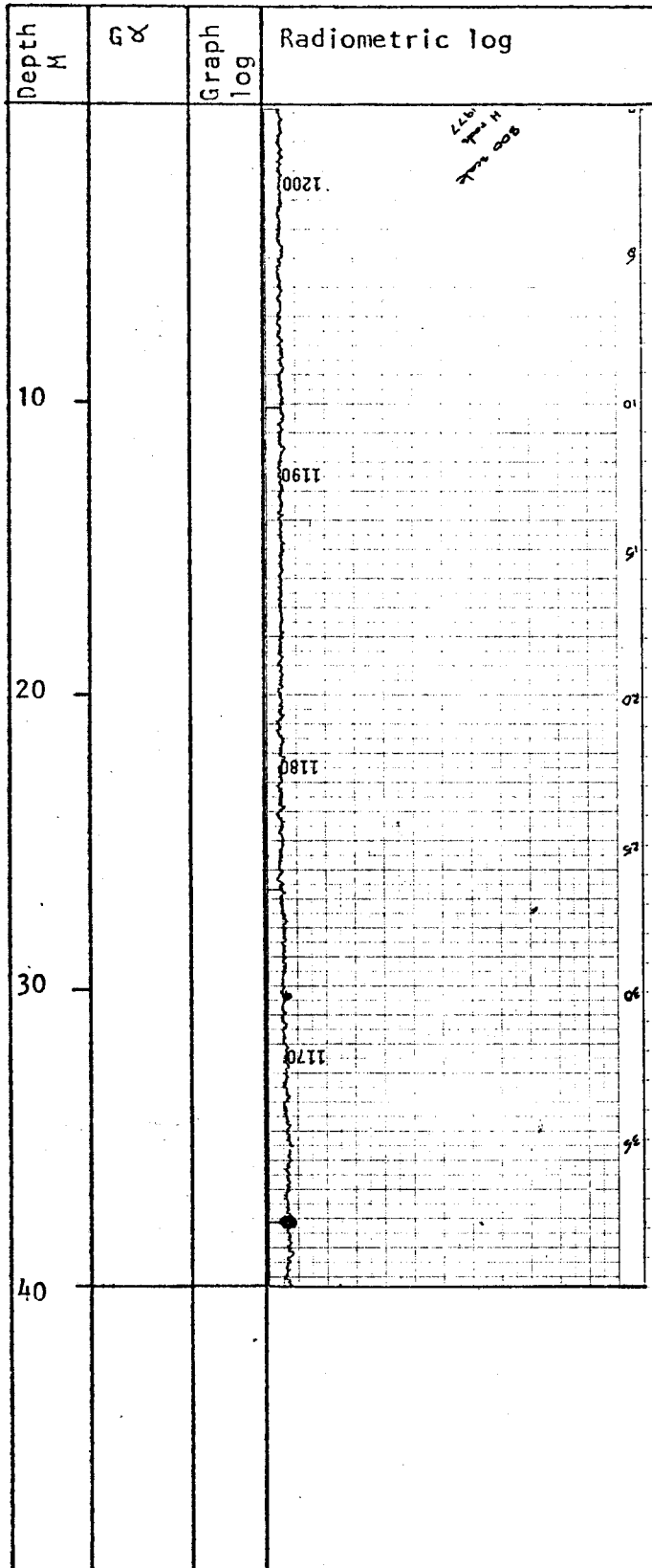


RADIOMETRIC LOG

Property: Tyee Date 14/6/77 Hole No. R-41
 Co-ordinates Lat. 10124.88 N. Elevation 1272.02 m Depth 79.25 m
 Dep. 9274.63 E. Core Size H rods Rods in hole
 Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 100% Chart = 800 c.p.s.

$G\gamma = \%U_3O_8$ Equivalent

Probed by: G.F.

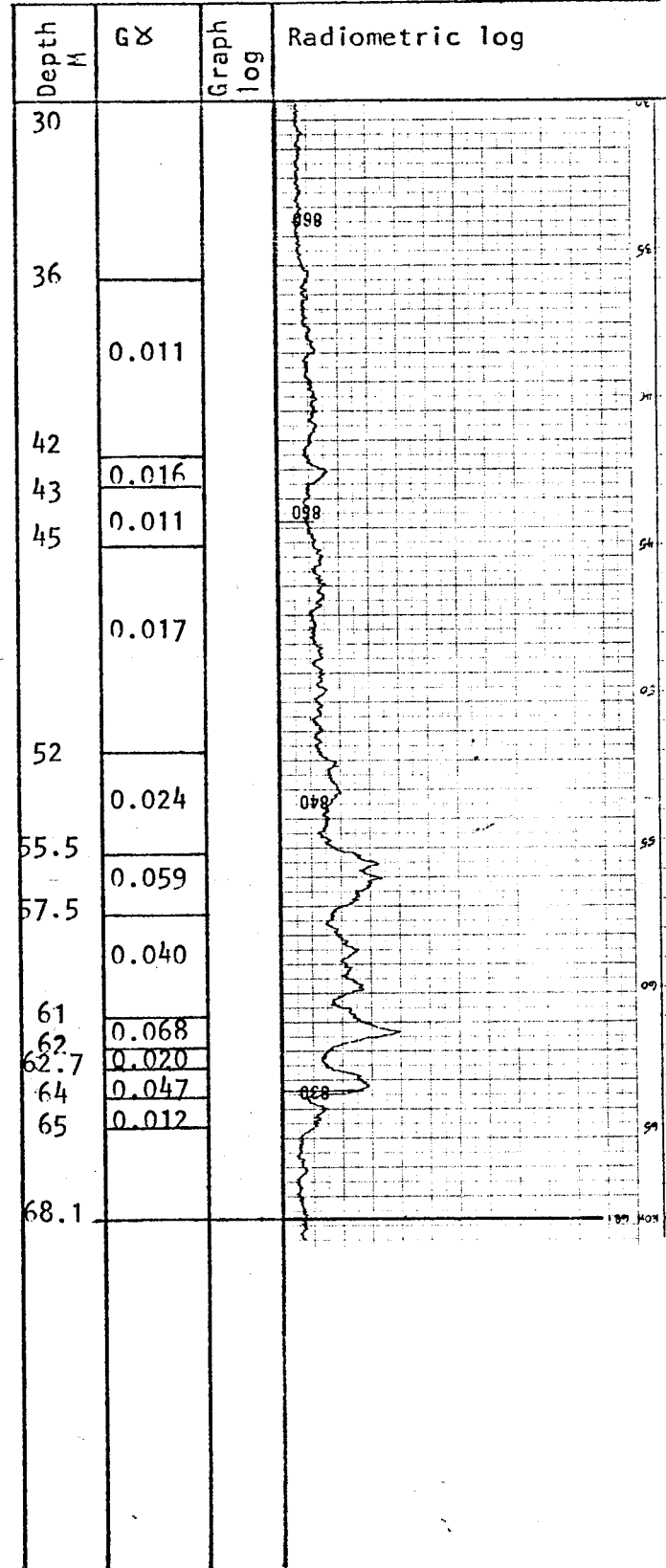
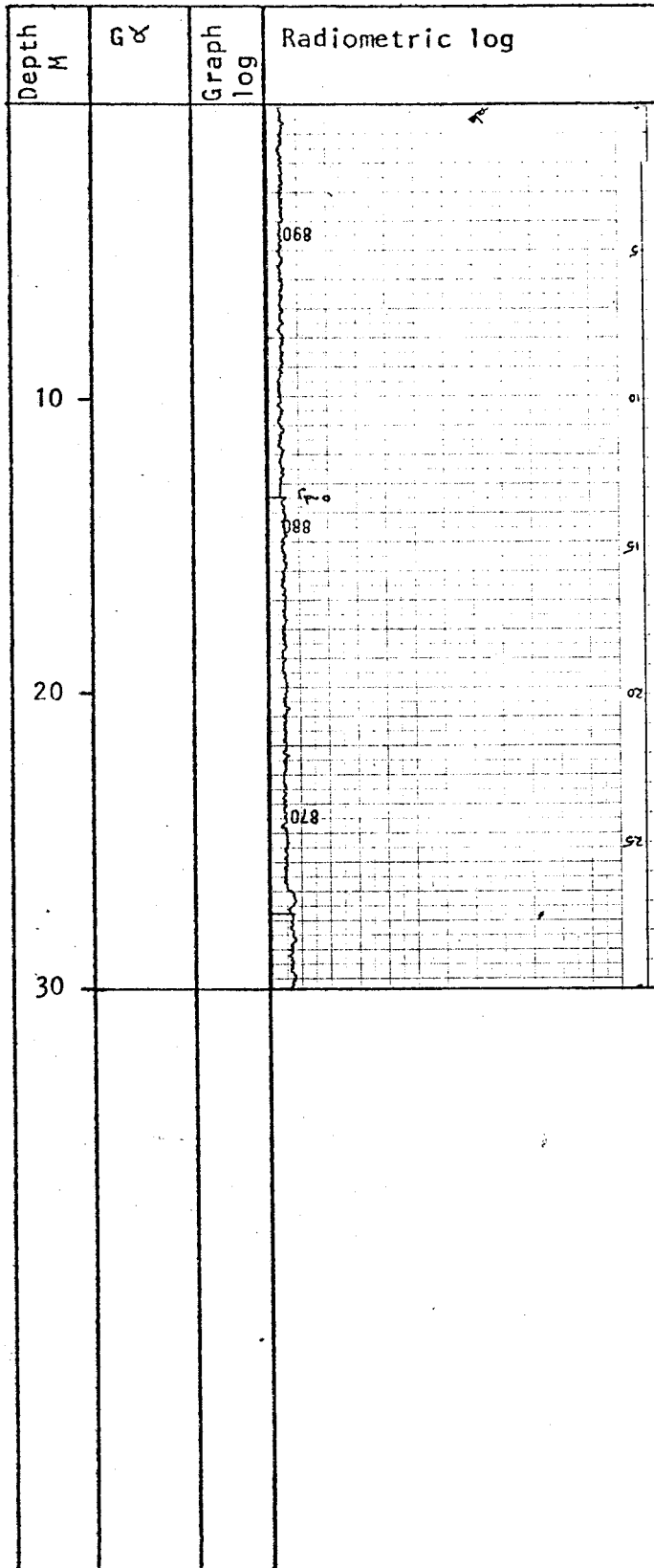


RADIOMETRIC LOG

Property: Type Date 15/6/77 Hole No. R-42
 Co-ordinates Lat. 10024.54 N. Elevation 1265.95 m Depth 68.58 m
 Dep. 9324.80 E. Core Size NW Rods Rods in hole
 Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 100% Chart= 800 c.p.

$G\gamma = \%U_3O_8$ Equivalent

Probed by: G.F.

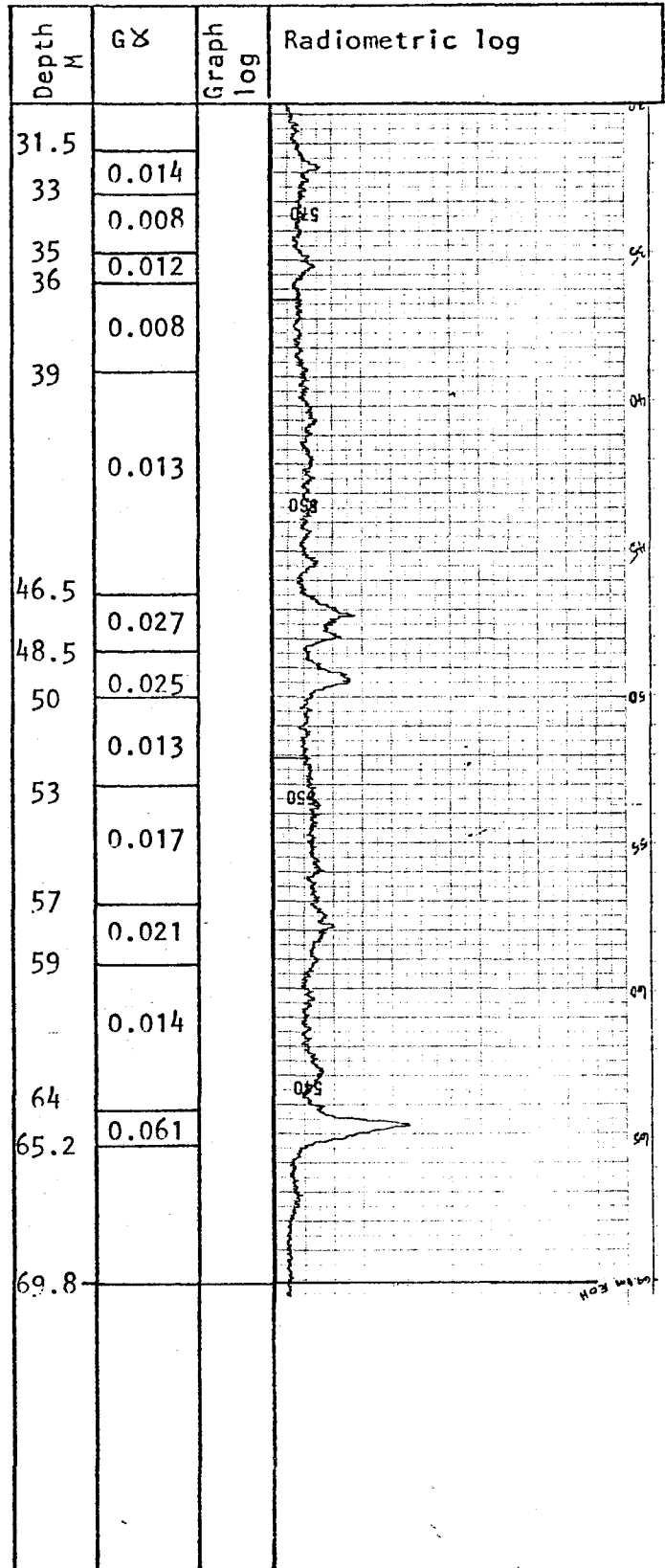
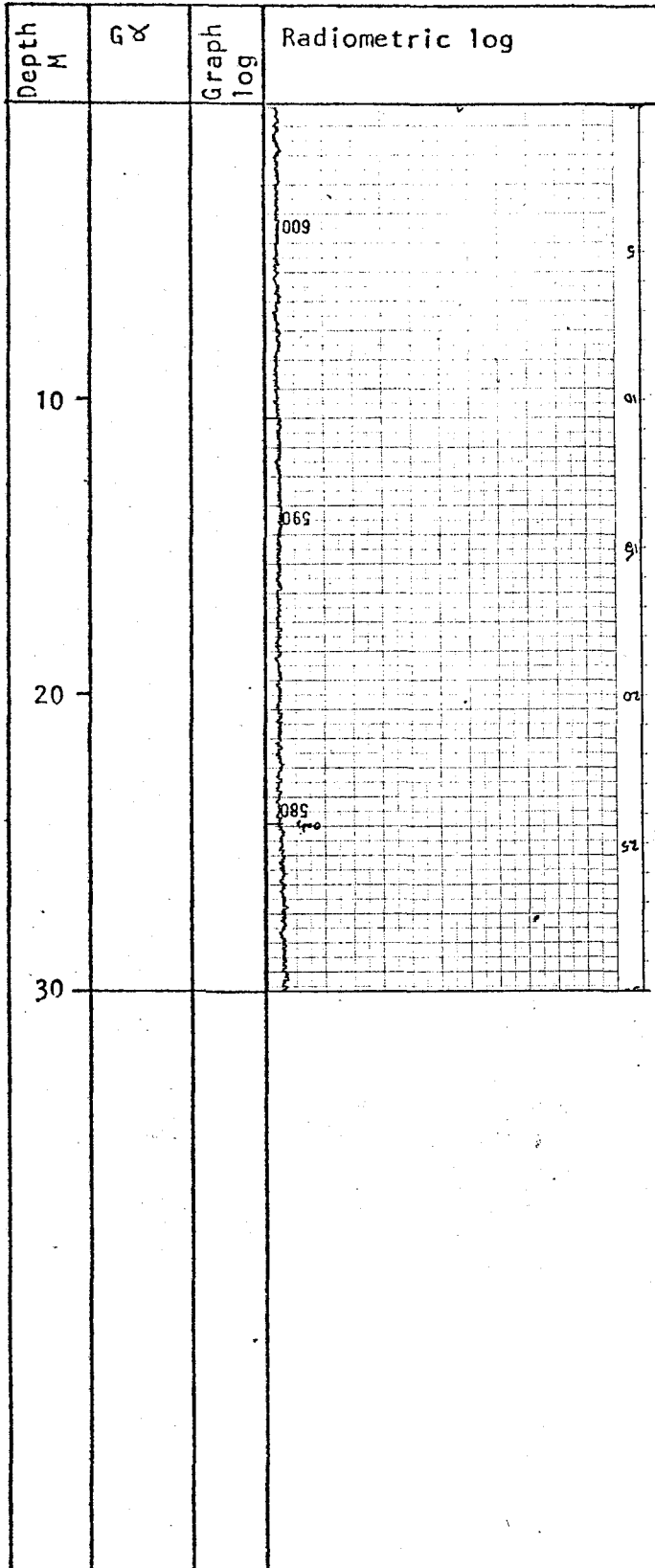


RADIOMETRIC LOG

Property: Tyee Date 15/6/77 Hole No. R-43
 Co-ordinates Lat. 10124.81 N. Elevation 1269.21 m Depth 70.10 m
 Dep. 9324.99 E. Core Size H Rods Rods in hole
 Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 100% Chart= 800 c.p.s.

$G\gamma = \%U_3O_8$ Equivalent

Probed by: GF & AD



RADIOMETRIC LOG

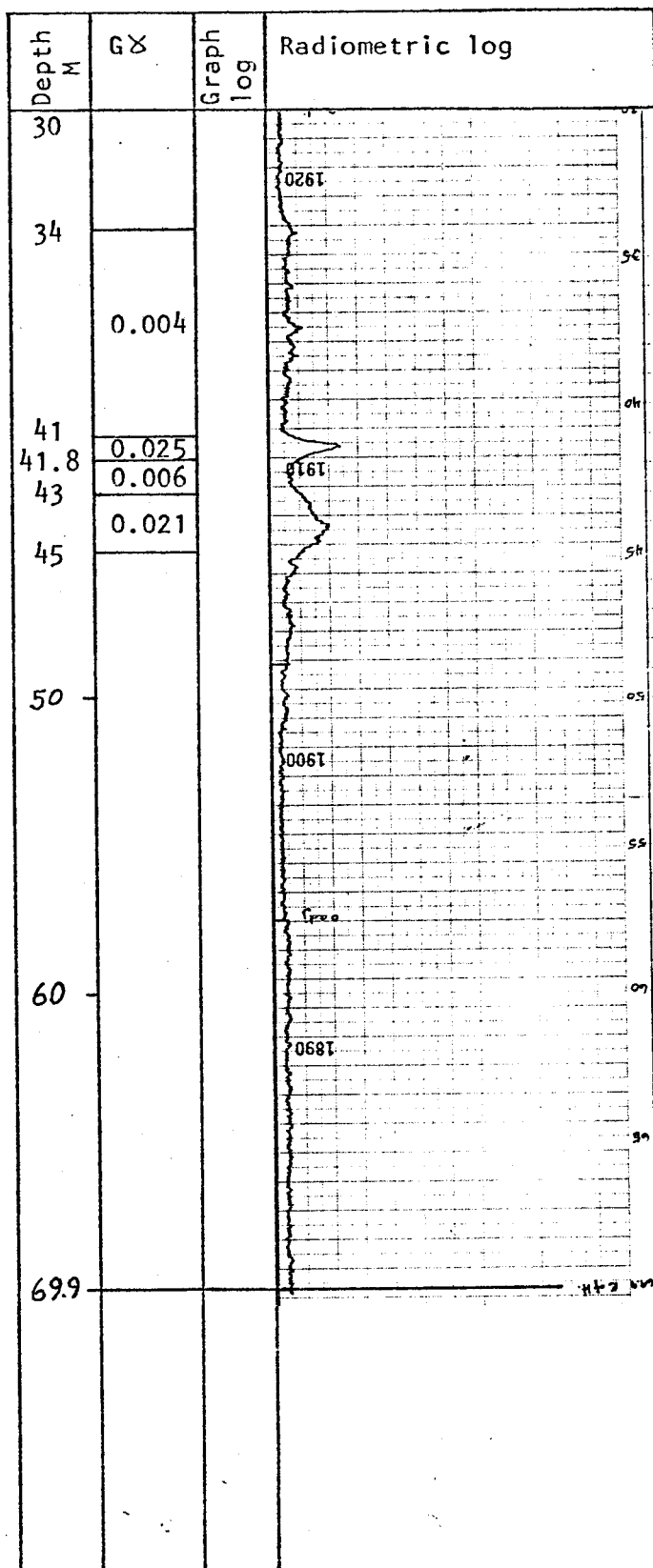
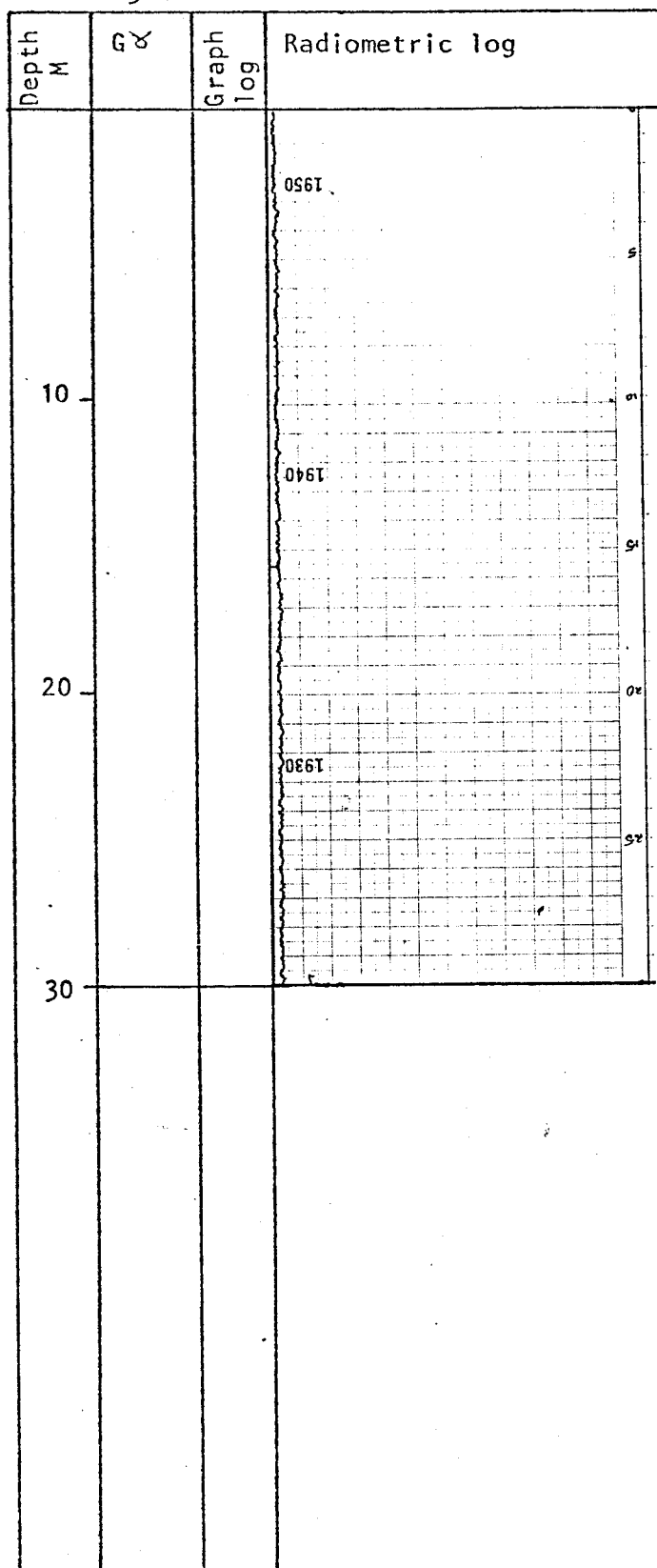
Property: Tyee Date 17/6/77 Hole No. R-45
 Co-ordinates Lat. 10127.78 N. Elevation 1273.25 m Depth 70.10 m
 Dep. 9375.12 E. Core Size H Rods Rods in hole

Instrument: GR-410 Probe: 1.25" Exploranium

Function: T.C. Range 8 100% Chart = 800 c.p.s.

$G\gamma = \%U_{38}O_8$ Equivalent

Probed by: G.F.

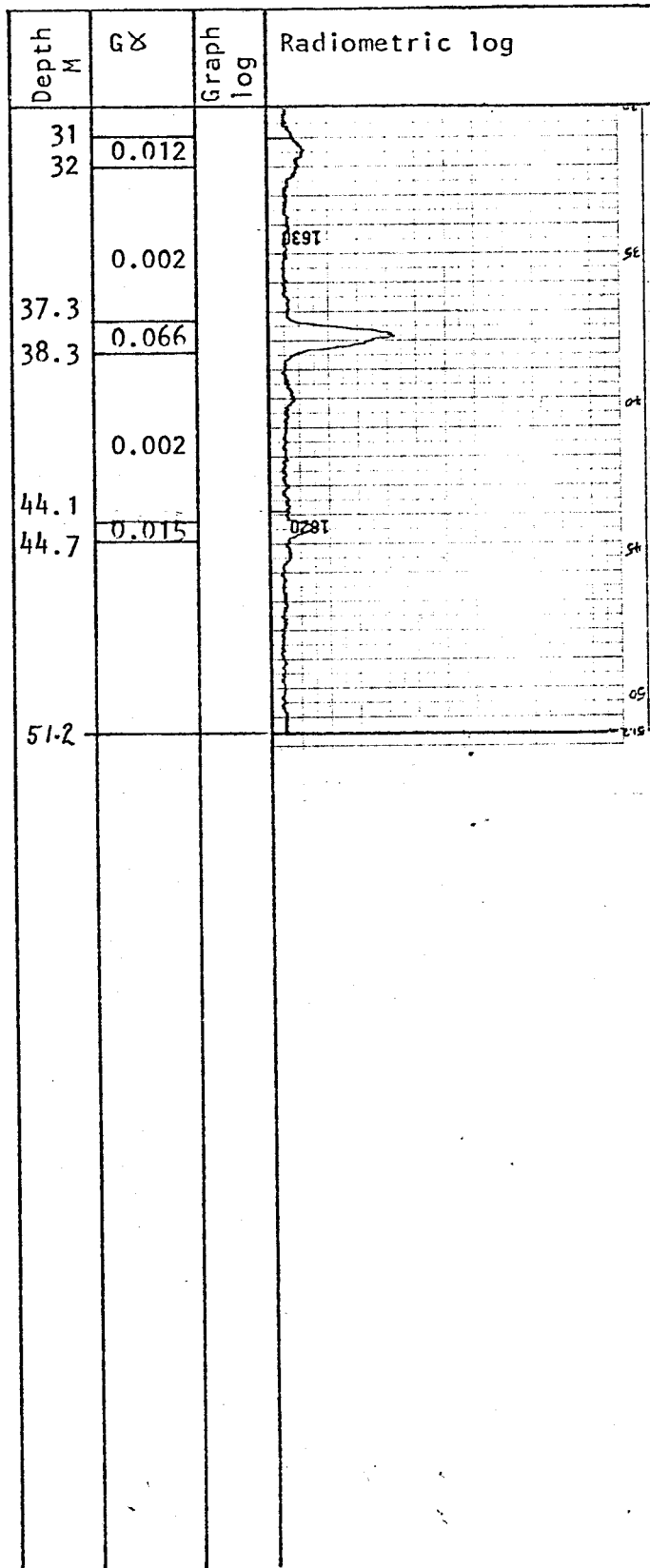
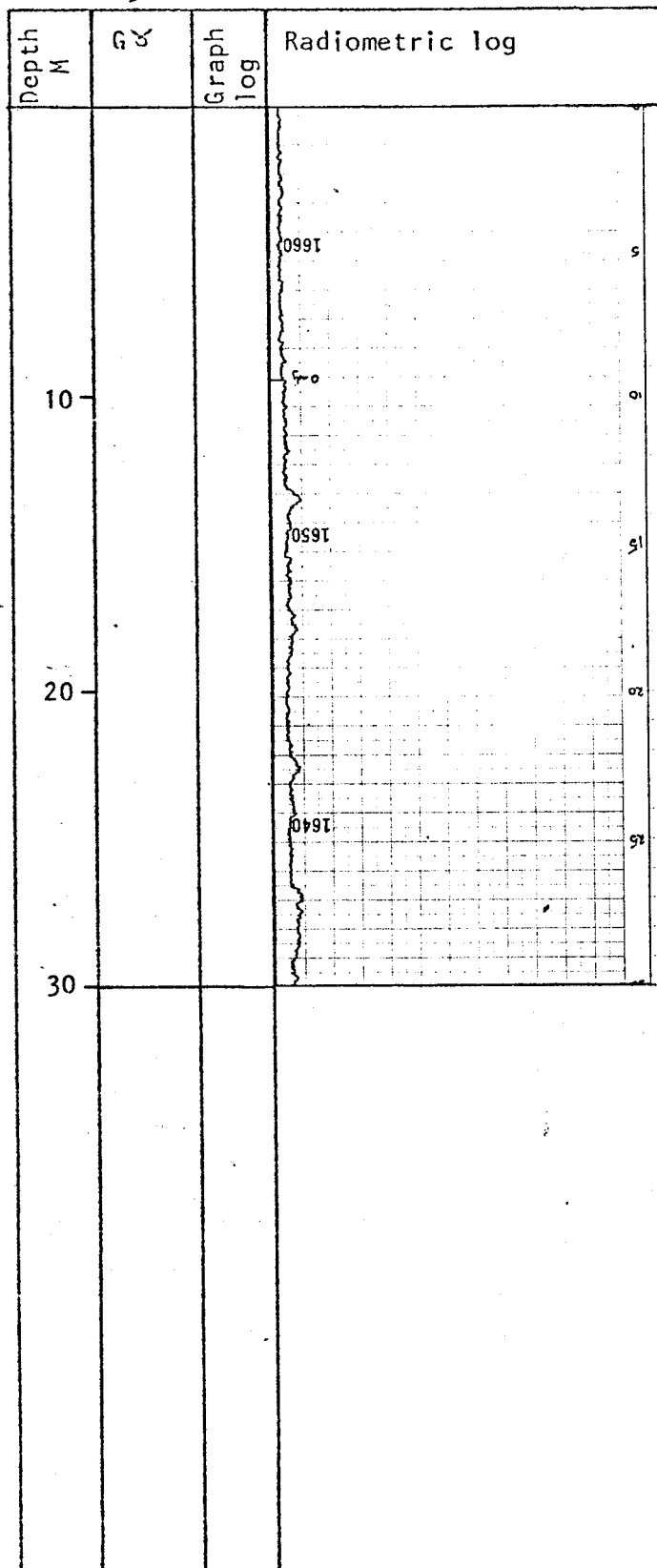


RADIOMETRIC LOG

Property: Tyee Date 17/6/77 Hole No. R-46
 Co-ordinates Lat. 9749.98 N. Elevation 1248.62 m Depth 51.82 m
 Dep. 9450.23 E. Core Size NW Rods Rods in hole
 Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 100% Chart = 800 c.p.s.

$G\gamma = \%U_3O_8$ Equivalent

Probed by: G.F.

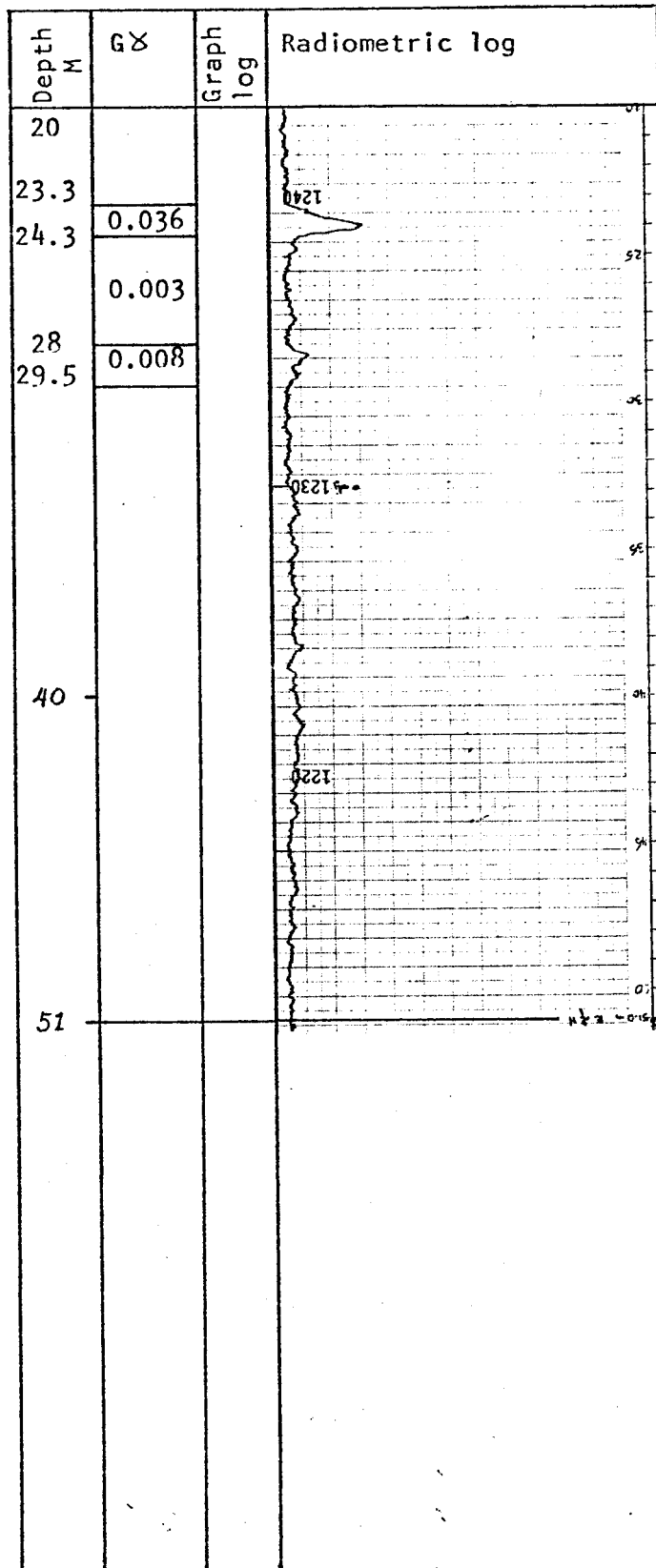
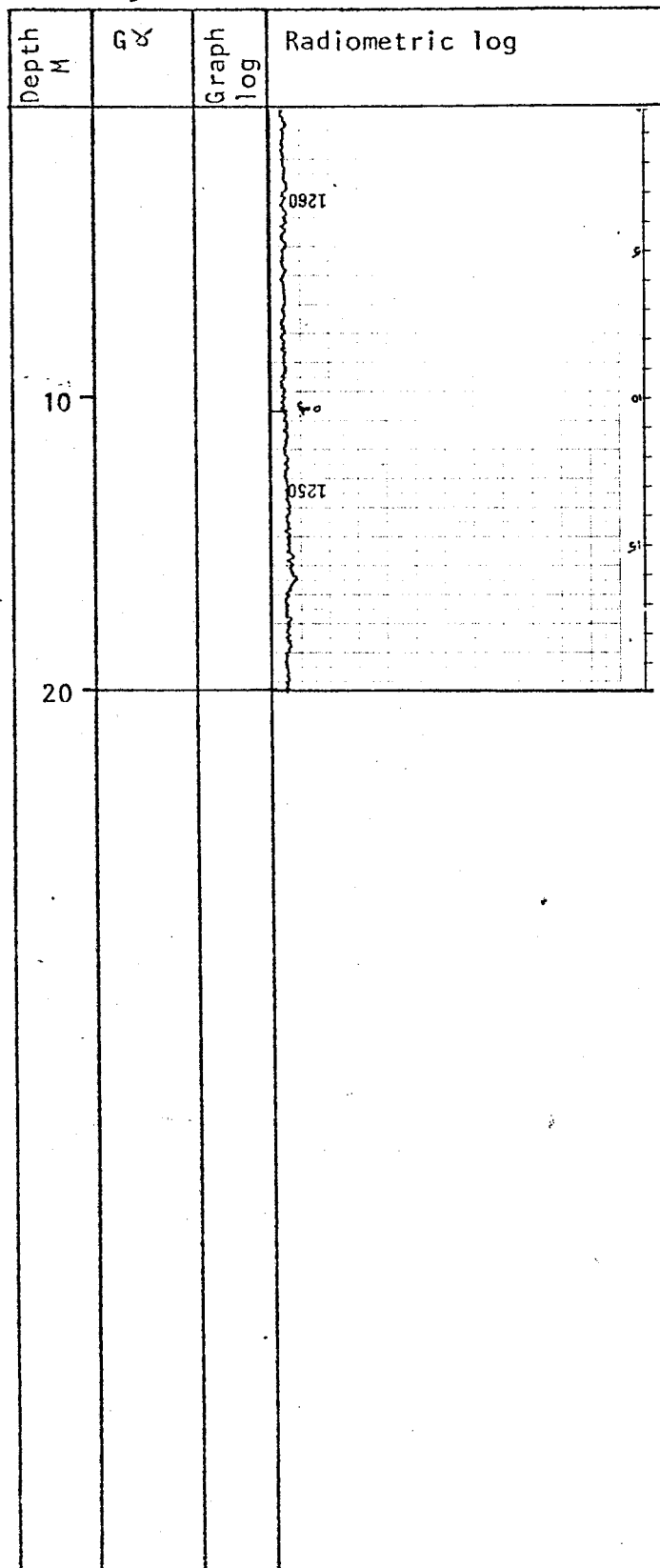


RADIOMETRIC LOG

Property: Tyee Date 18/6/77 Hole No. R-47
 Co-ordinates Lat. 9749.92 N. Elevation 1246.00 m Depth 51.82 m
 Dep. 9350.91 E. Core Size NW Rods Rods in hole
 Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 100% Chart = 800 c.p.s.

G_γ = %U₃O₈ Equivalent

Probed by: G.F.

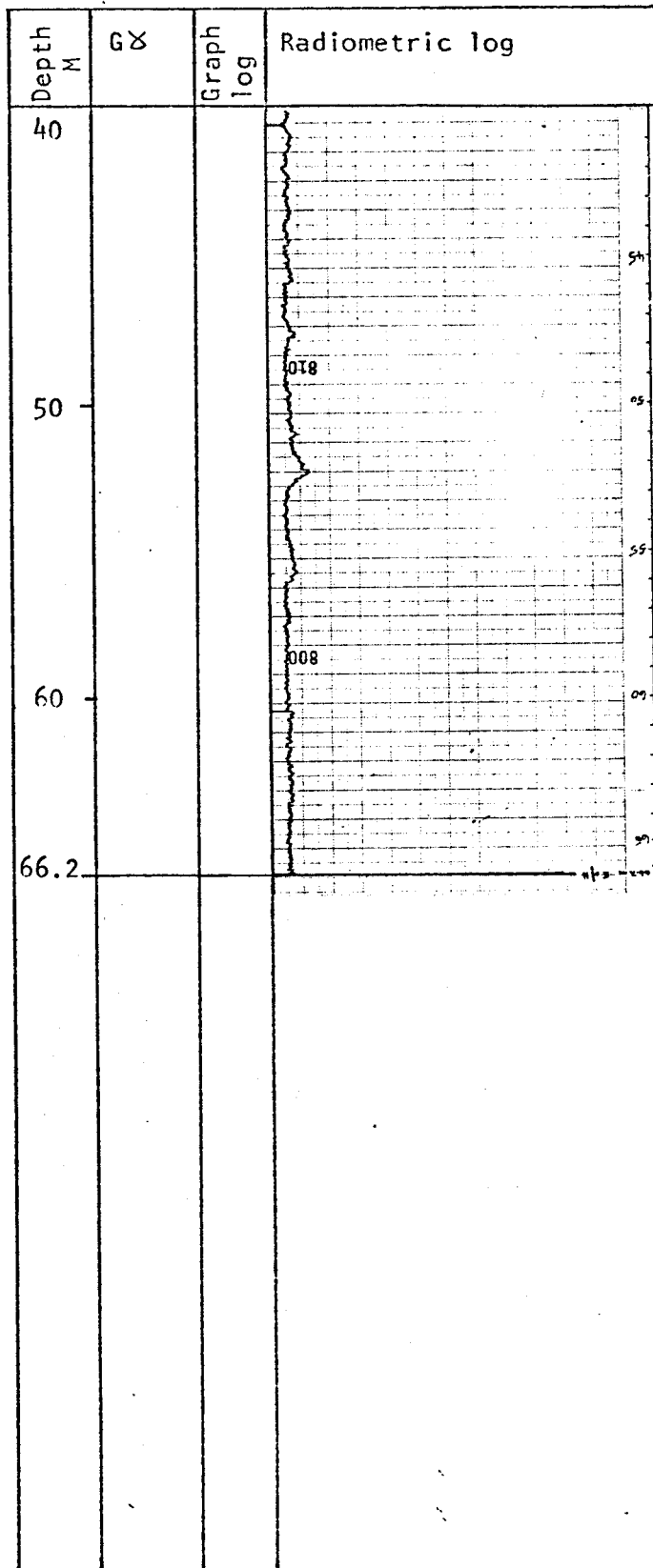
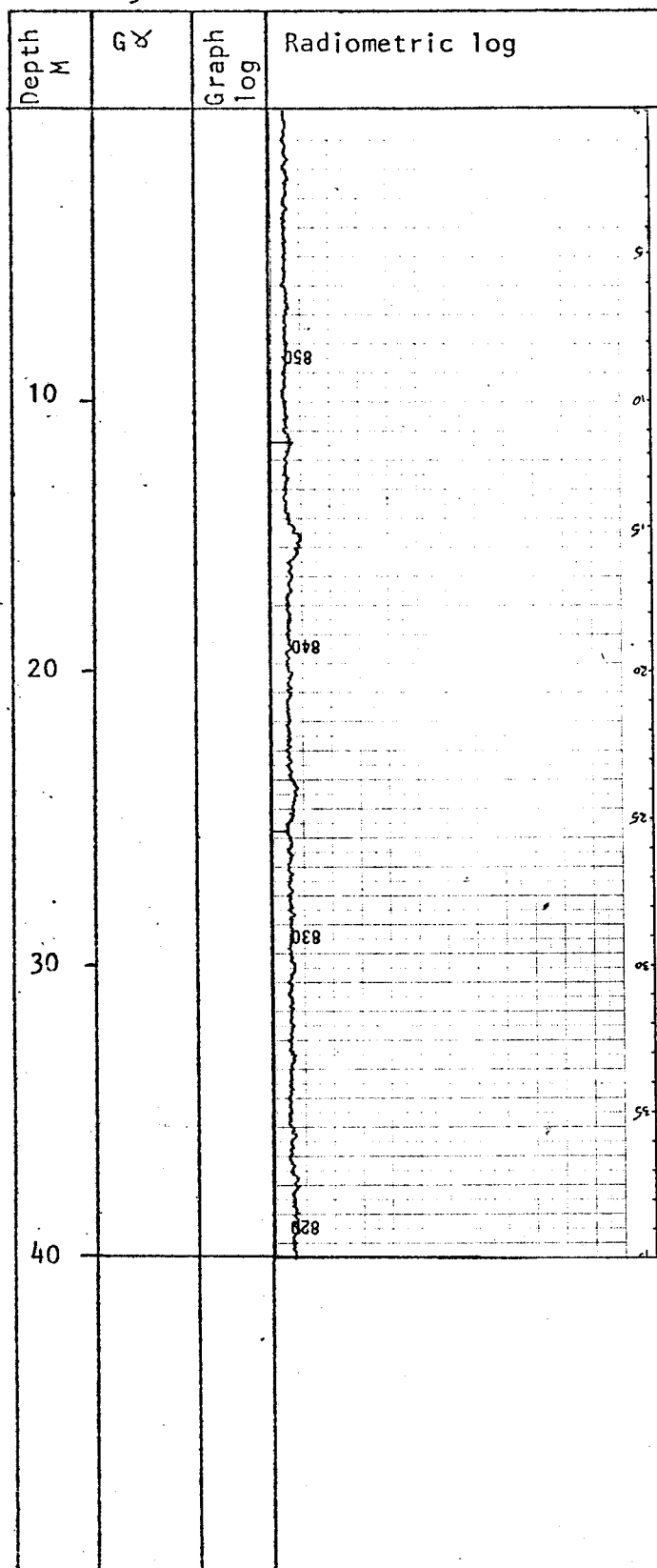


RADIOMETRIC LOG

Property: Tyee Date 20/6/77 Hole No. R-48
 Co-ordinates Lat. 9749.69 N. Elevation 1246.35 m Depth 67.06 m
 Dep. 9400.46 E. Core Size NW Rods Rods in hole
 Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 100% Chart= 800 c.p.s.

G₂ = %U₃O₈ Equivalent

Probed by: G.F.

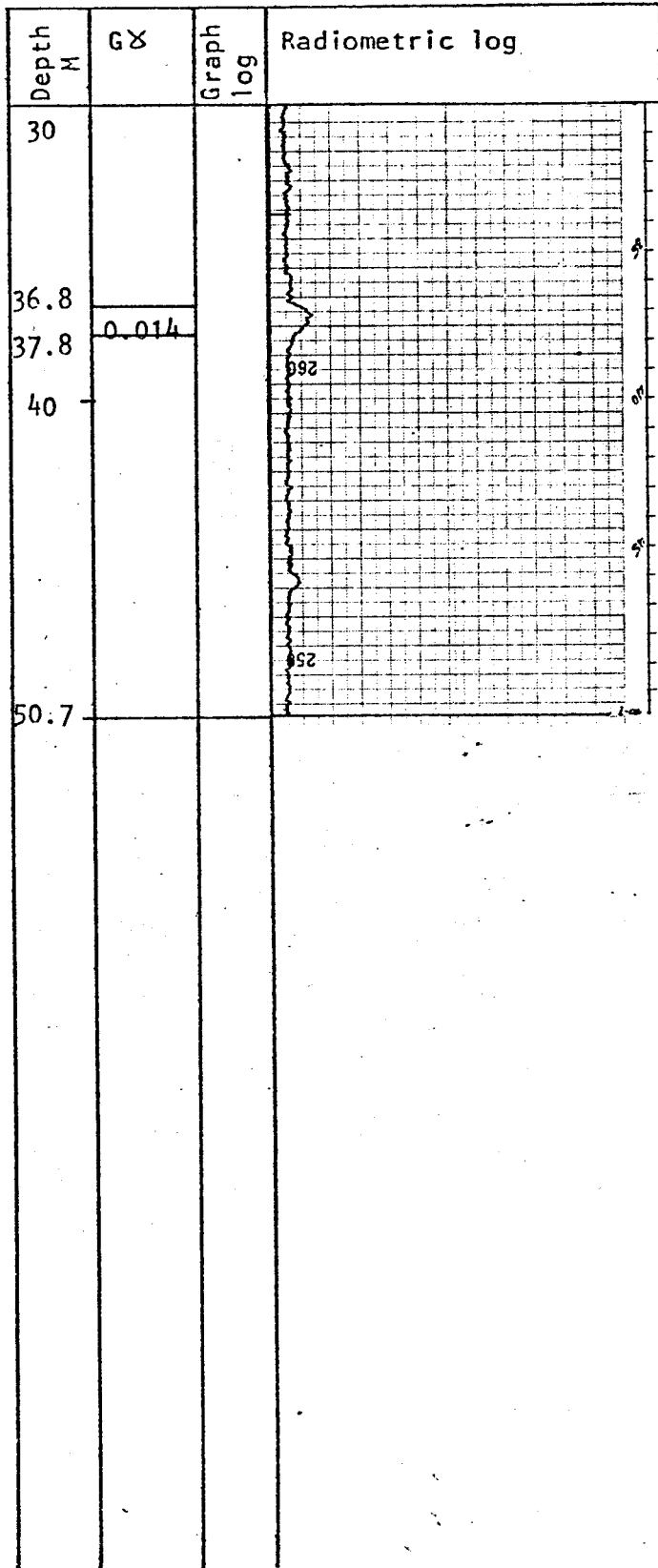
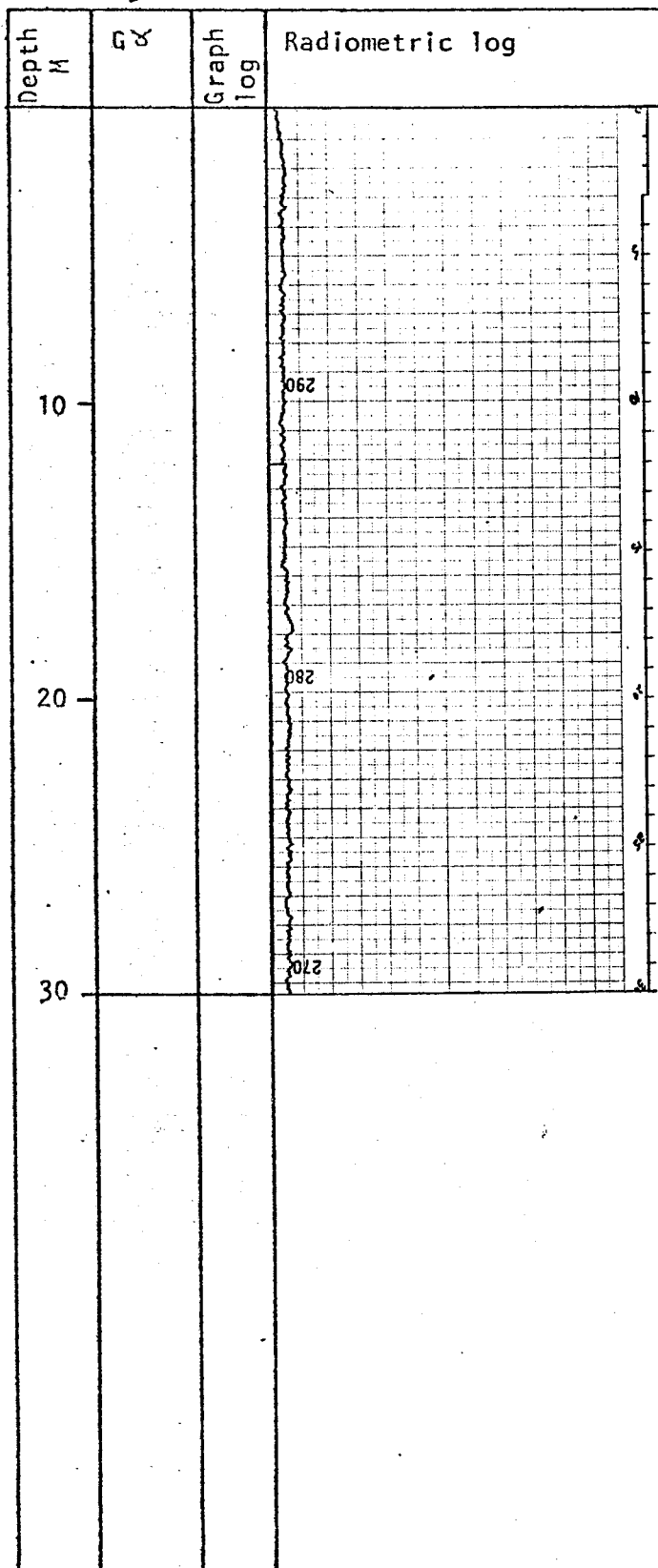


RADIOMETRIC LOG

Property: Tyee Date 21/6/77 Hole No. R-49
 Co-ordinates Lat. 9701.10 N. Elevation 1245.12 m Depth 51.82 m
 Dep. 9351.35 E. Core Size NW Rods Rods in hole
 Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 100% Chart = 800 c.p.s.

$G\gamma = \%U_3O_8$ Equivalent

Probed by: LB & AD

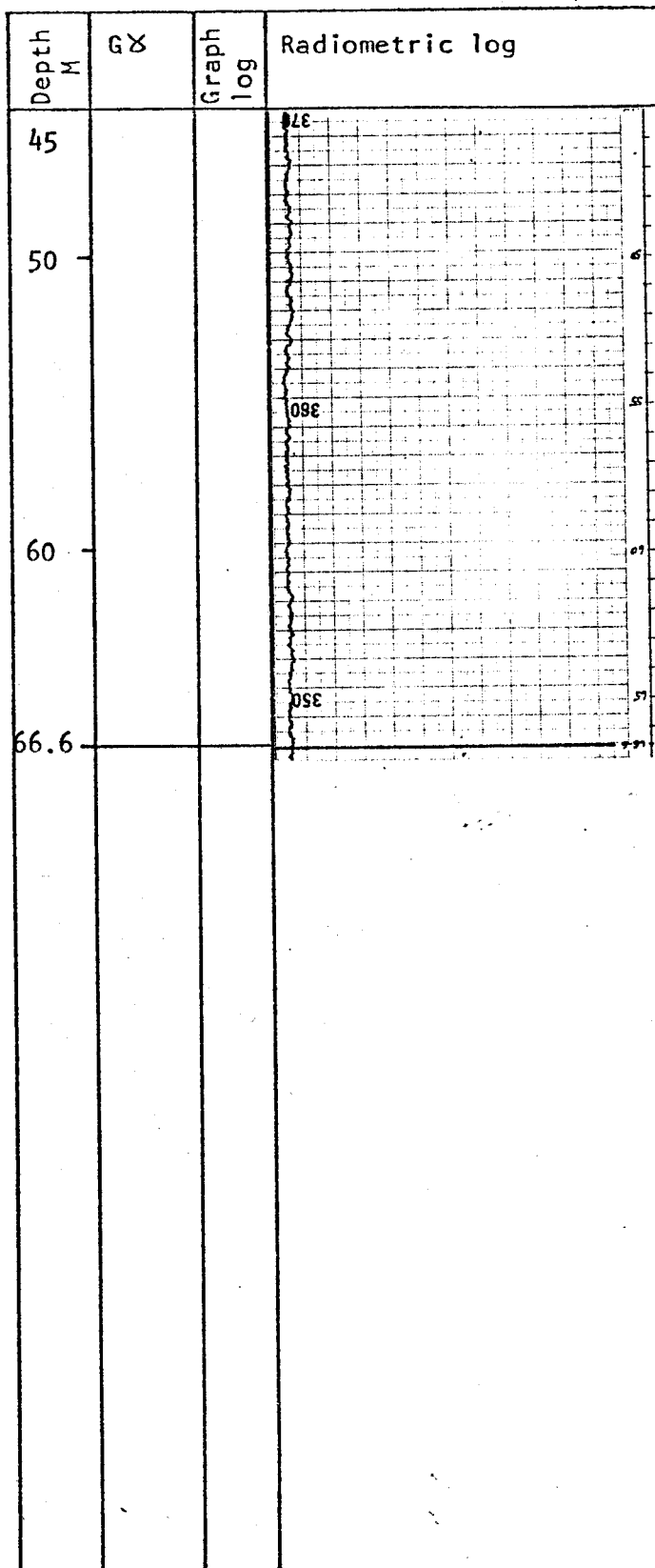
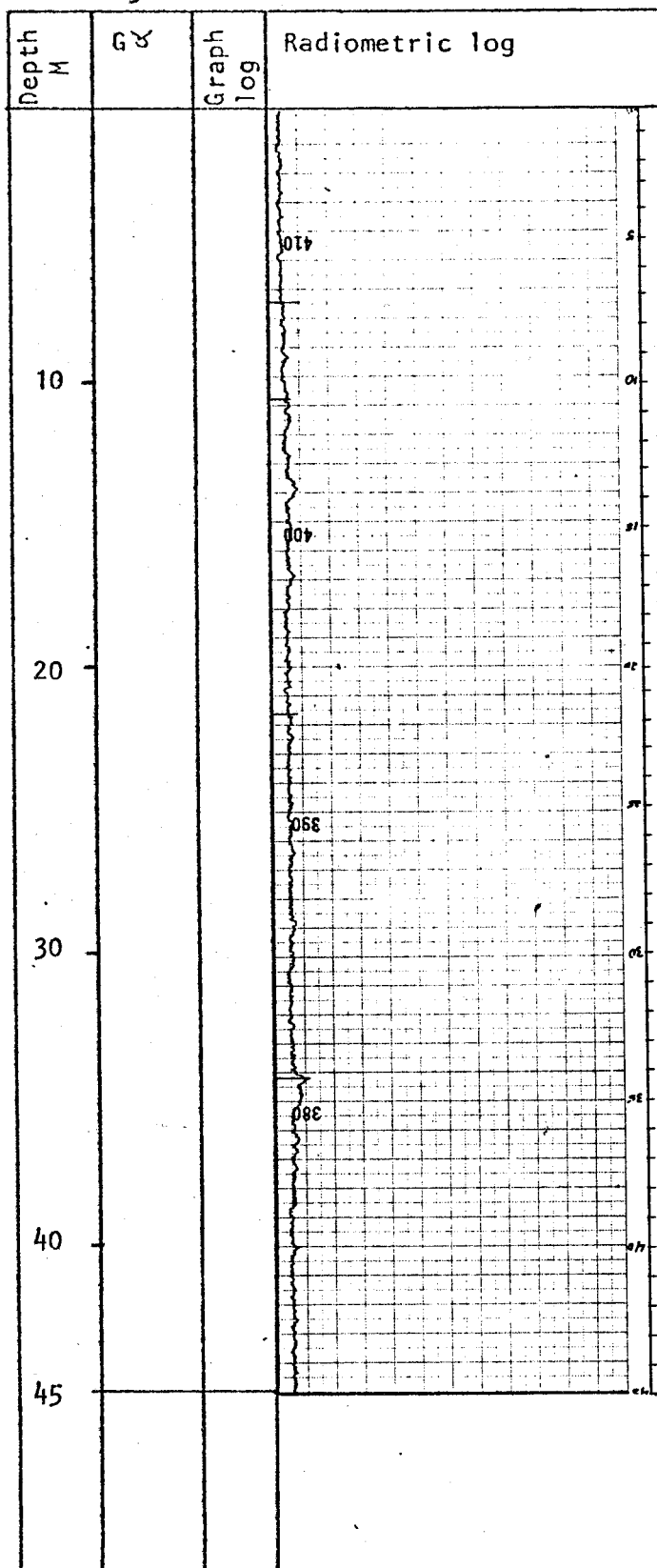


RADIOMETRIC LOG

Property: Tyee Date 22/6/77 Hole No. R-50
 Co-ordinates Lat. 9700.64 N. Elevation 1245.09 m Depth 67.06 m
 Dep. 9401.09 E. Core Size NW Rods Rods in hole
 Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 100% Chart= 800 c.p.s.

G_γ = %U₃O₈ Equivalent

Probed by: LCB & AD



RADIOMETRIC LOG

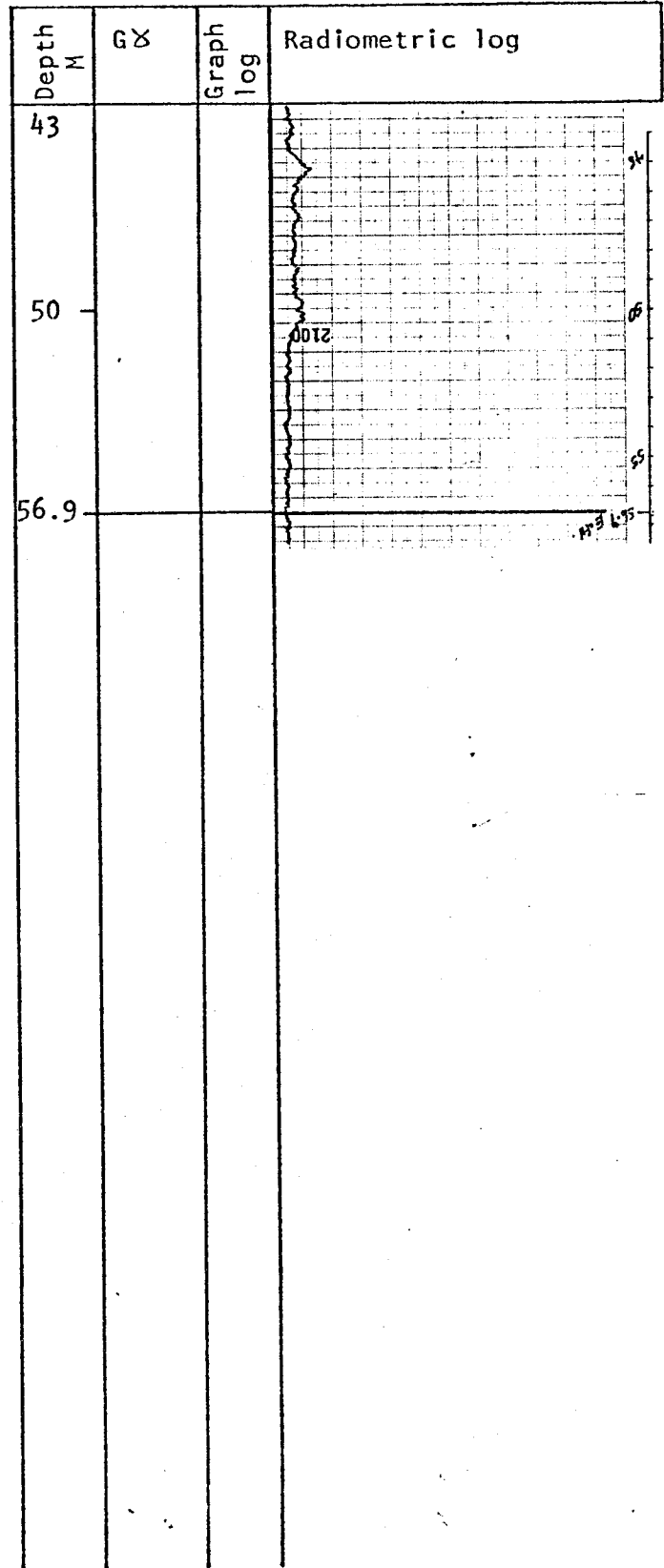
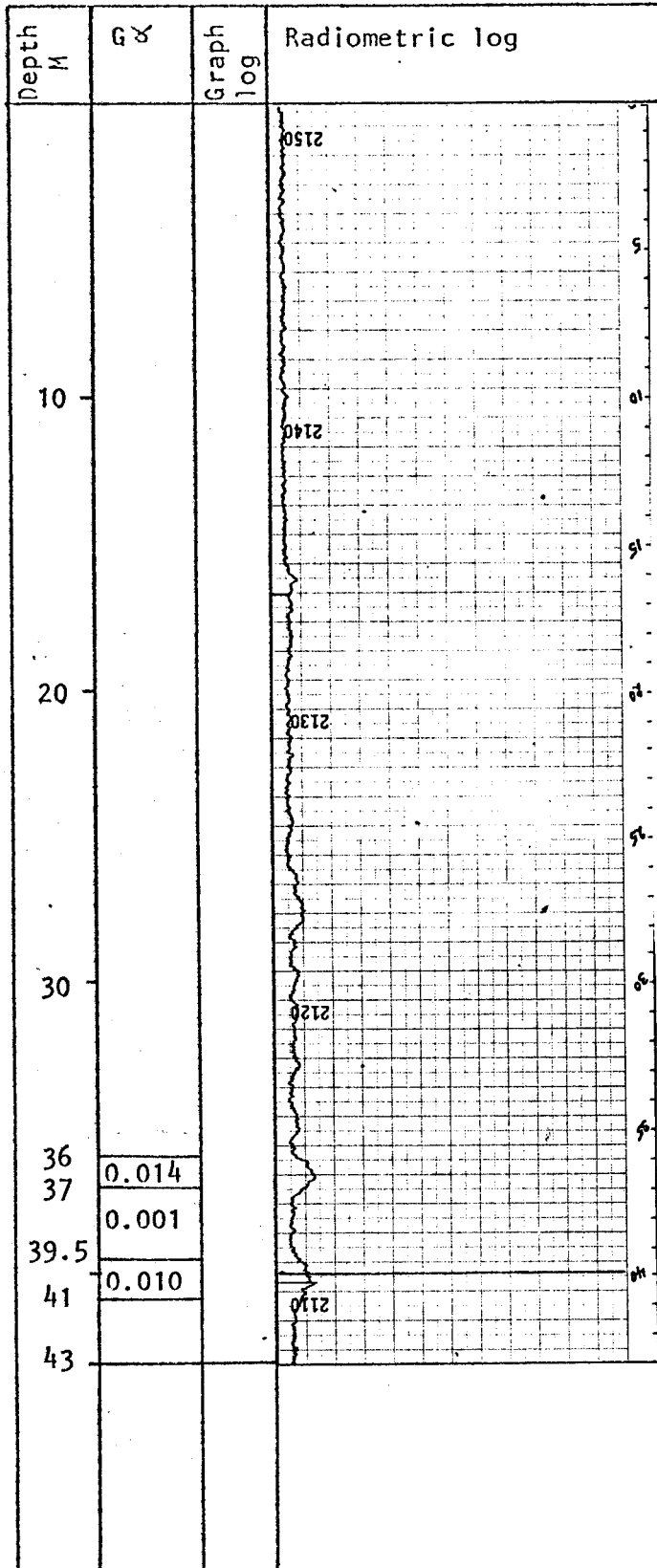
Property: Type Date 24/6/77 Hole No. R-51
 Co-ordinates Lat. 9700.20 N. Elevation 1245.90 m Depth 57.91 m
 Dep. 9450.66 E. Core Size NW Rods Rods in hole

Instrument: GR-410 Probe: 1.25" Exploranium

Function: T.C. Range 8 100% Chart= 800 c.p.s.

$G\gamma = {}^238U_3O_8$ Equivalent

Probed by: T.W. & A.D.



RADIOMETRIC LOG

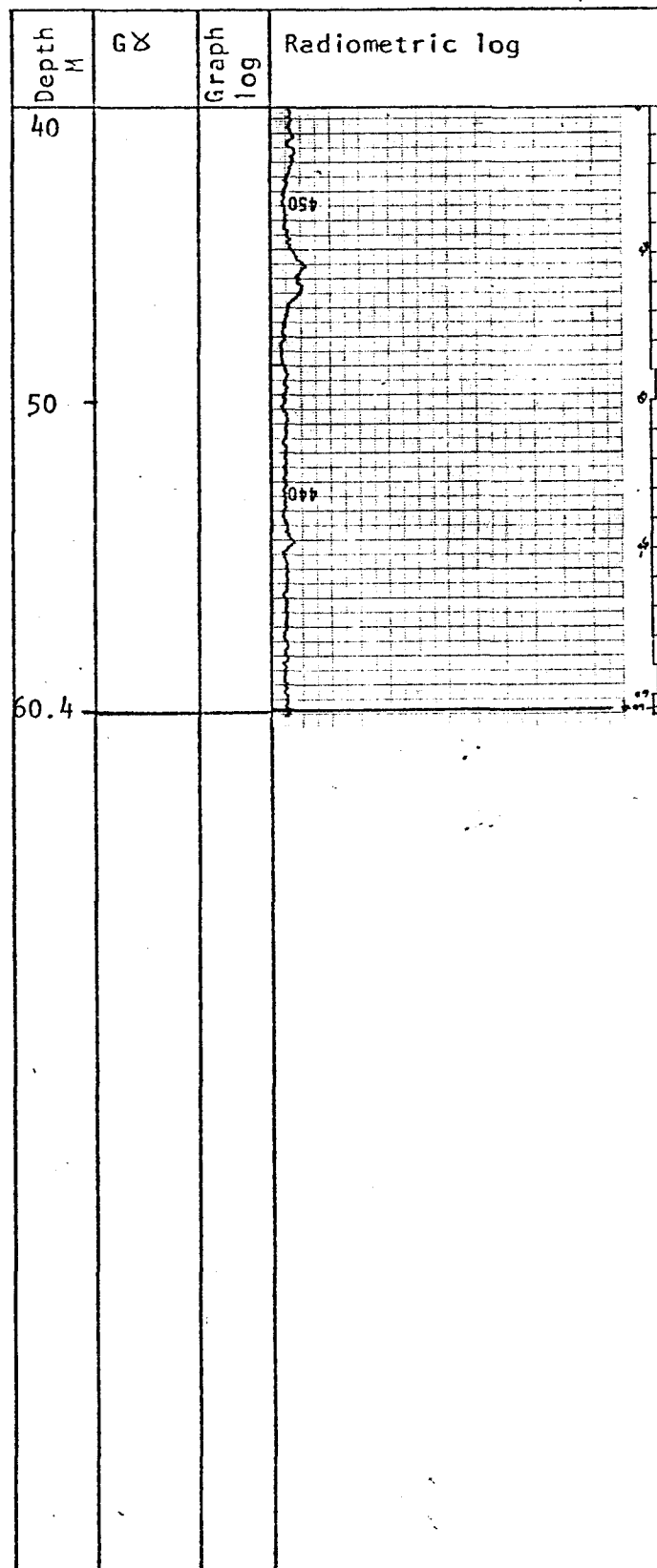
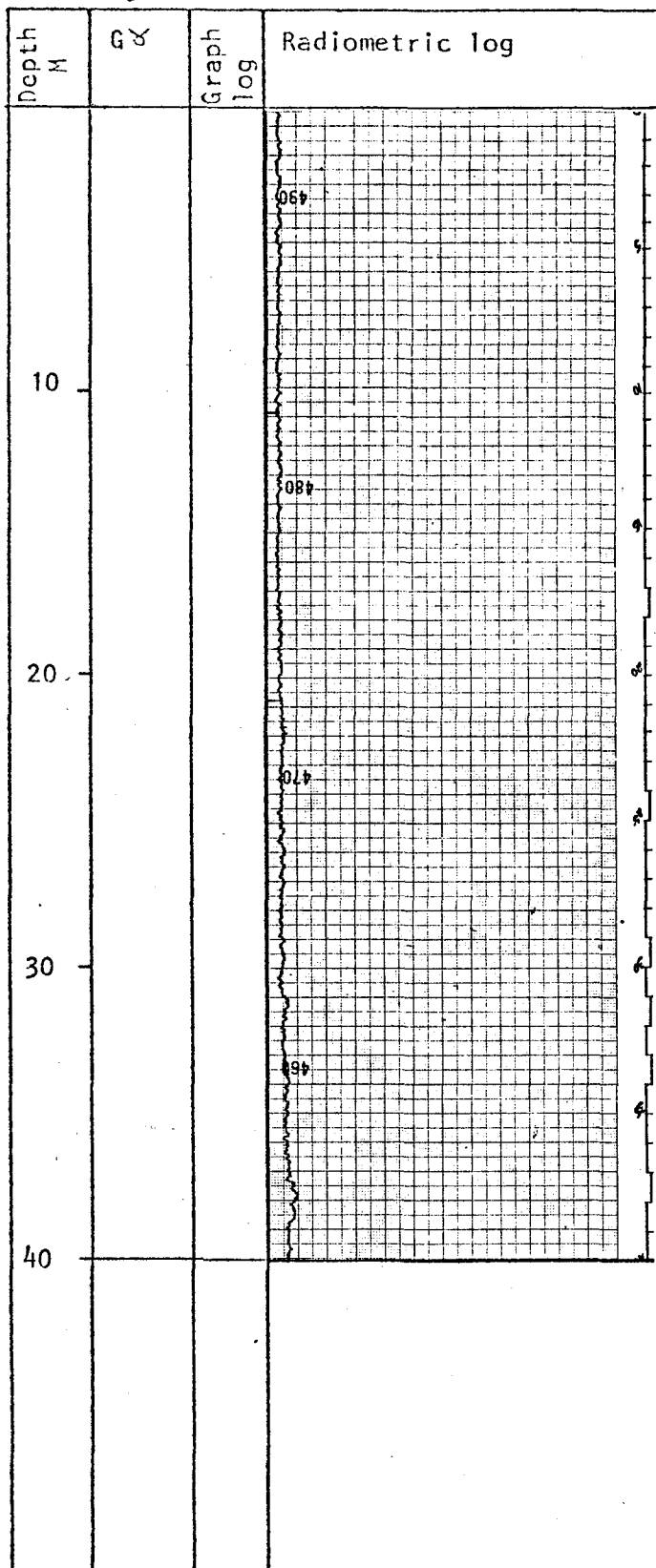
Property: Tyec Date 27/6/77 Hole No. R-53
 Co-ordinates Lat. 9701.29 N. Elevation 1244.44 m Depth 60.96 m
 Dep. 9304.39 E. Core Size NW Rods Rods in hole

Instrument: GR-410 Probe: 1.25" Exploranium

Function: T.C. Range 8 100% Chart = 800 c.p.s.

$G^{\lambda} = {}^{238}\text{U}_3\text{O}_8$ Equivalent

Probed by: LCB & AD

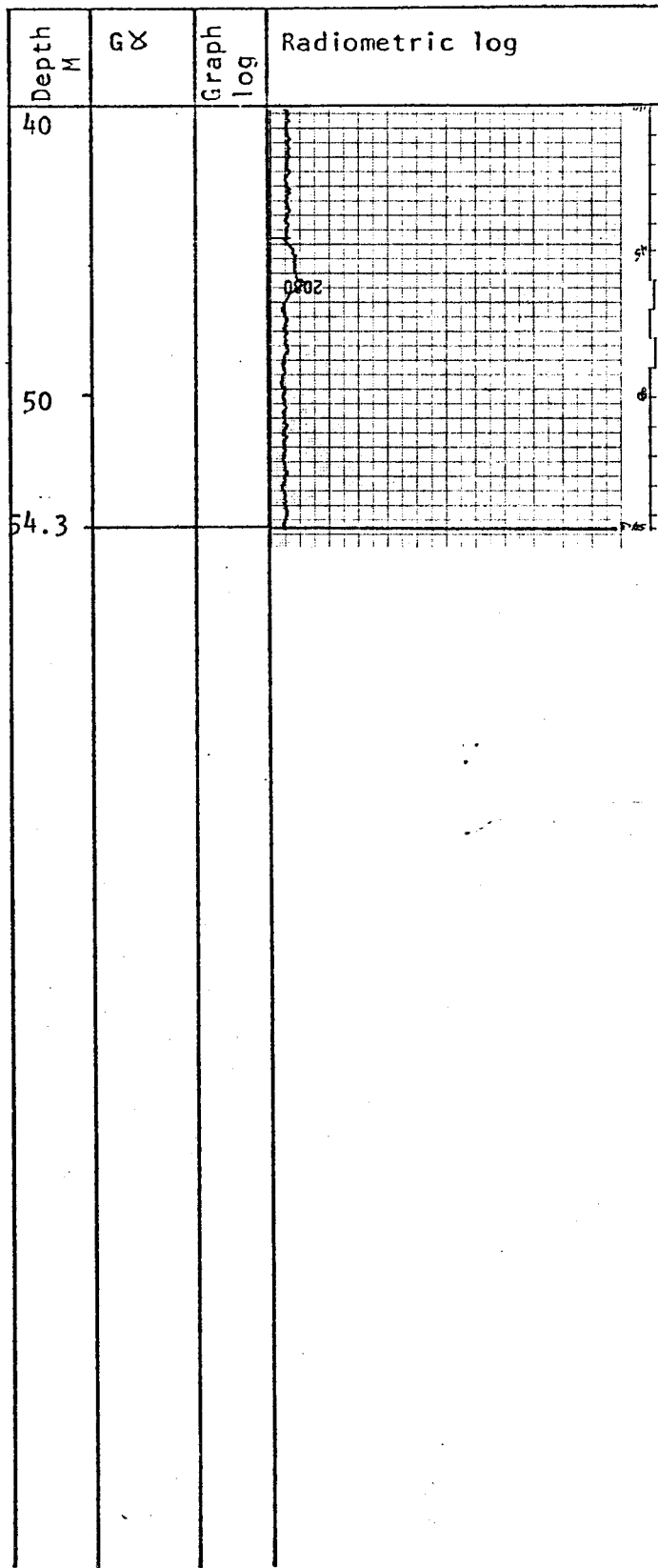
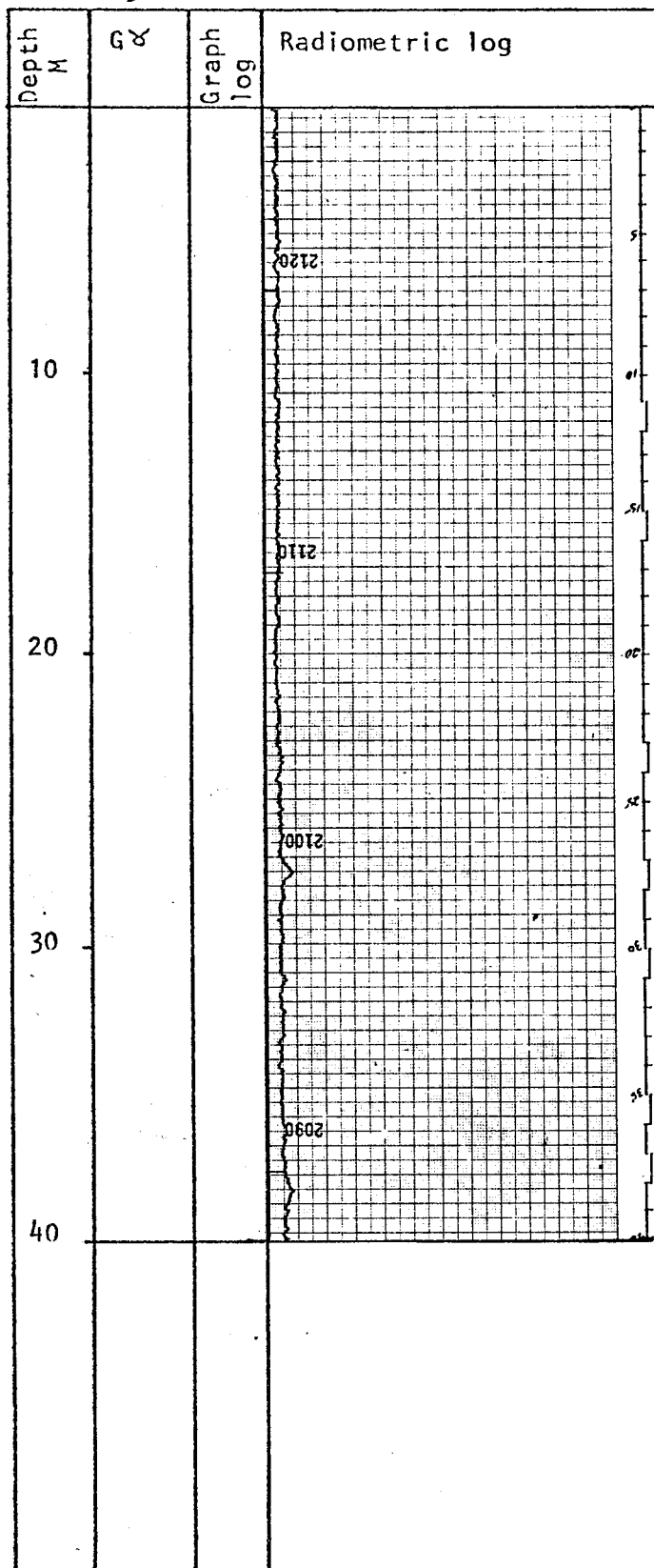


RADIOMETRIC LOG

Property: Tyee Date 28/6/77 Hole No. R-54
 Co-ordinates Lat. 9650.55 N. Elevation 1244.11 m Depth 54.86 m
 Dep. 9327.65 E. Core Size NW Rods Rods in hole
 Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 100% Chart= 800 c.p.s.

$G\gamma = \%U_3O_8$ Equivalent

Probed by: LCB & AD



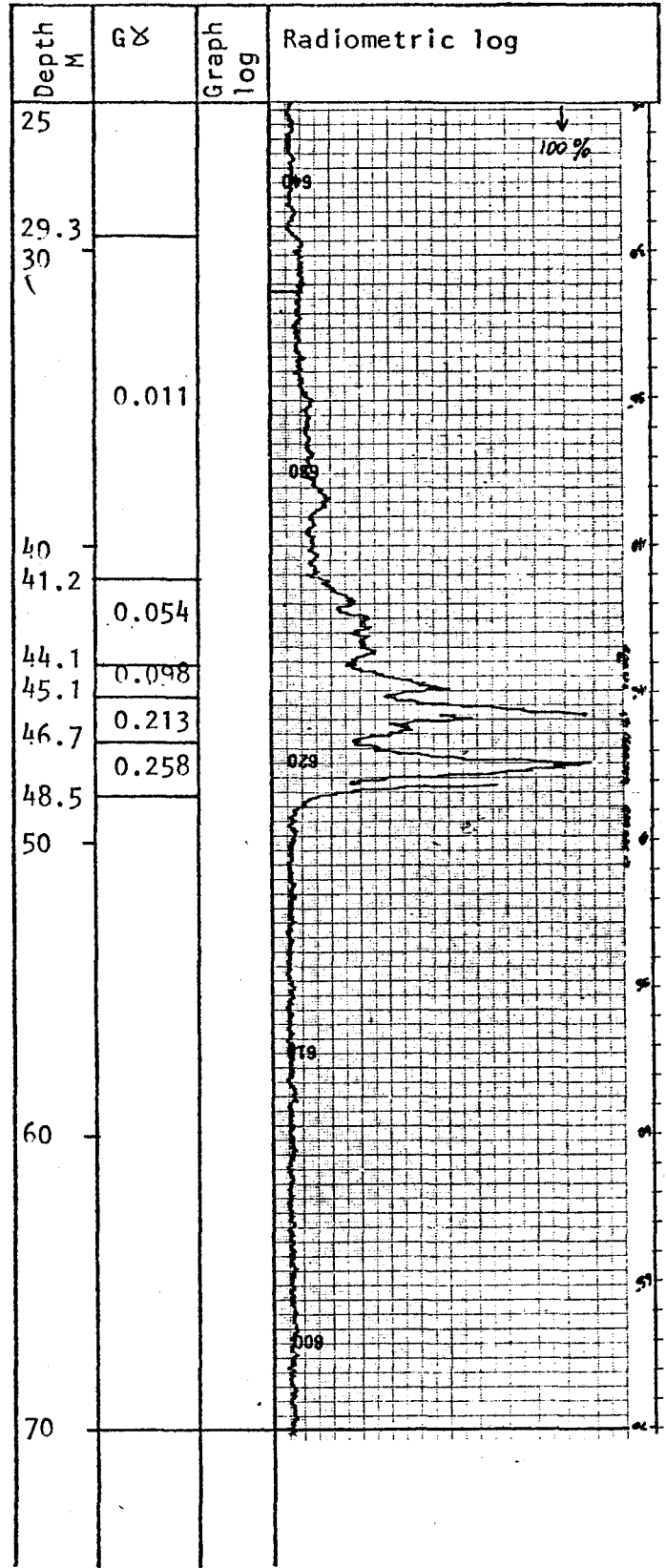
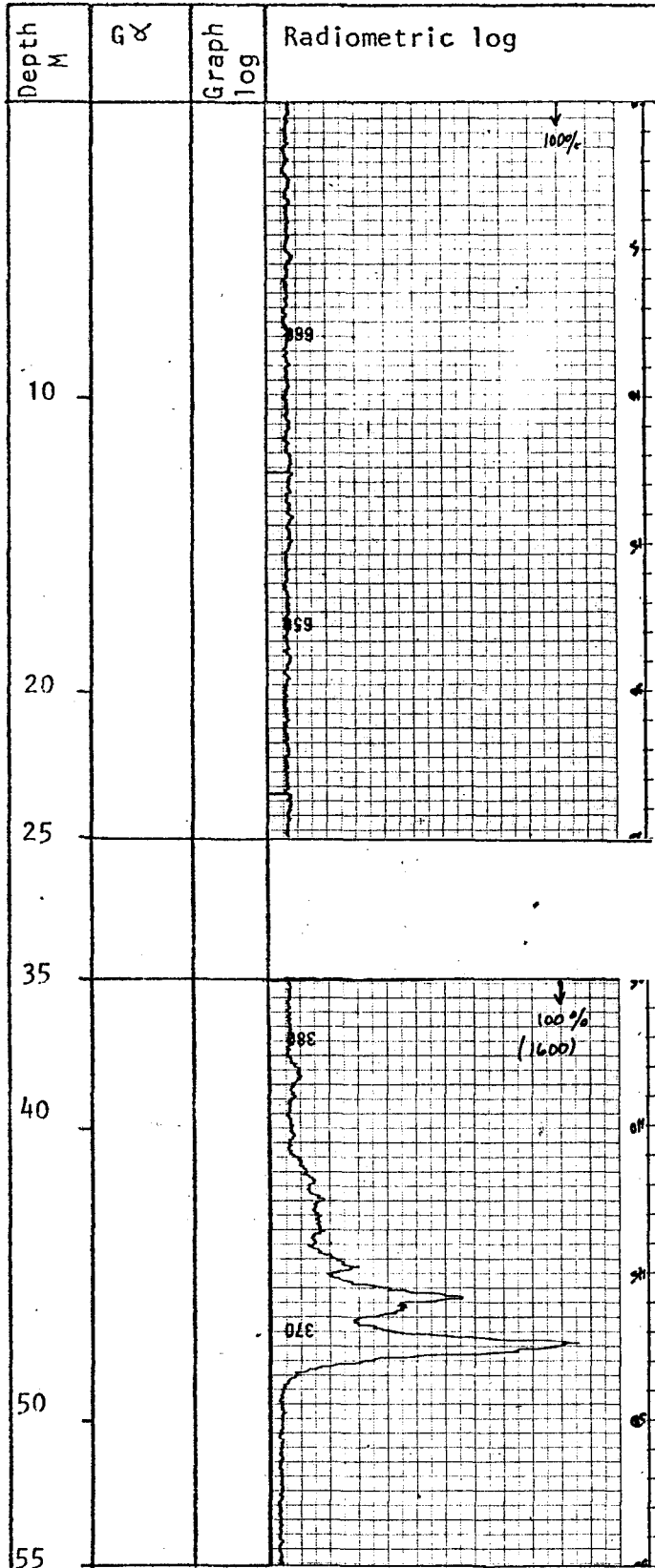
RADIOMETRIC LOG

Property: Tyee Date 9/8/77 Hole No. P-56
 Co-ordinates Lat. 9894.60 N. Elevation 1255.59 m Depth 70.10 m
 Dep. 9324.42 E. Core Size H Rods Rods in hole

Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 & 16 100% Chart = 800 & 1600 c.p.s.

$G\gamma = \%U_3O_8$ Equivalent

Probed by: L.B.

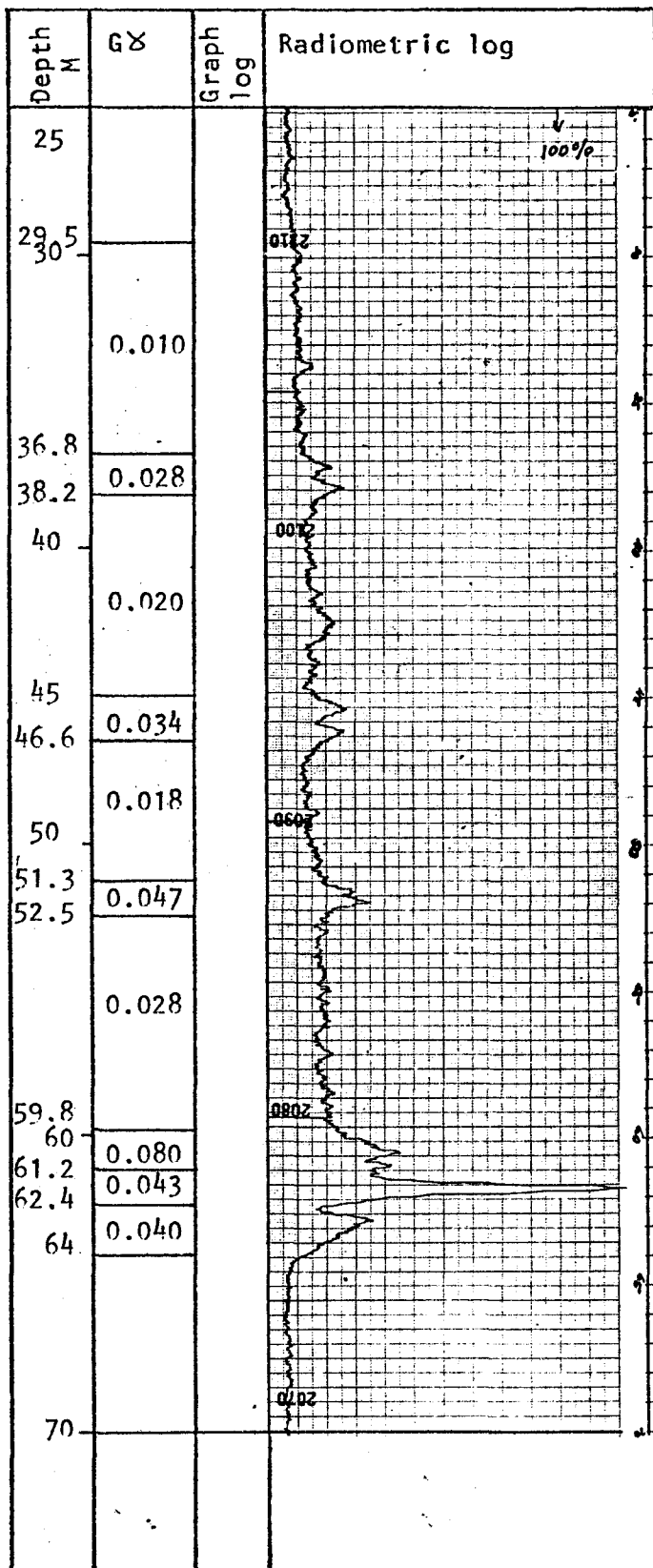
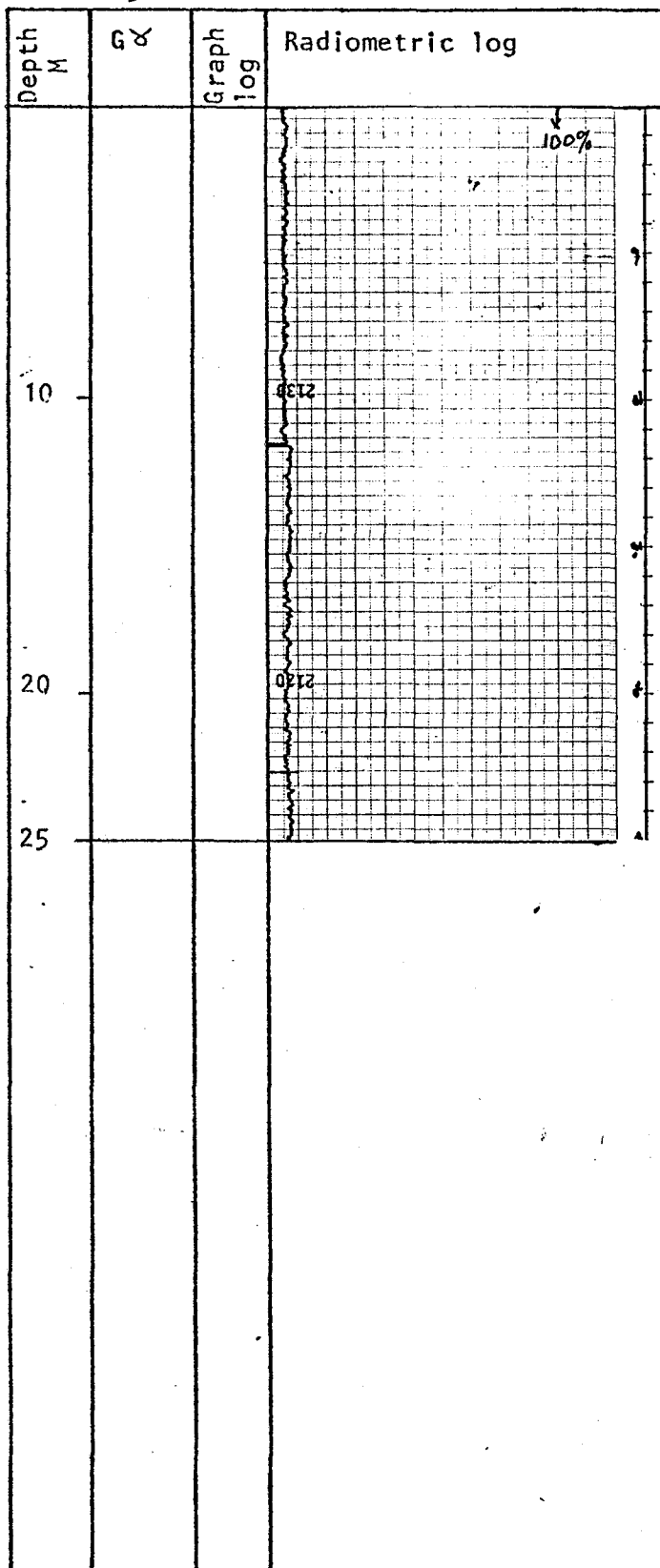


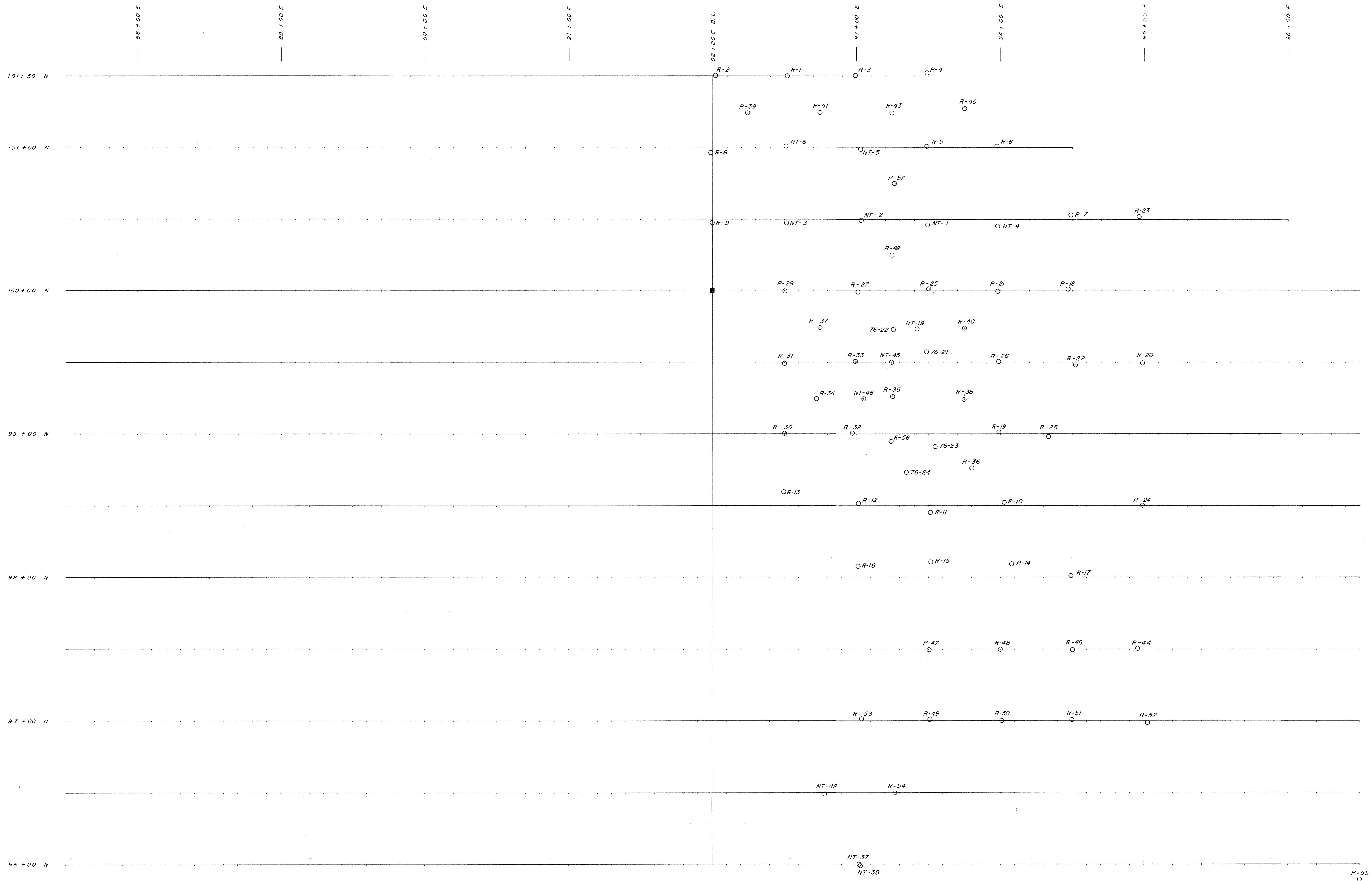
RADIOMETRIC LOG

Property: Tyee Date 15/8/77 Hole No. R-57
 Co-ordinates Lat. 10075.58 N. Elevation 1267.90 m Depth 70.10 m
 Dep. 9326.67 E. Core Size H. Rods Rods in hole
 Instrument: GR-410 Probe: 1.25" Exploranium
 Function: T.C. Range 8 100% Chart= 800 c.p.s.

$G^x = \%U_3O_8$ Equivalent

Probed by: L.B.





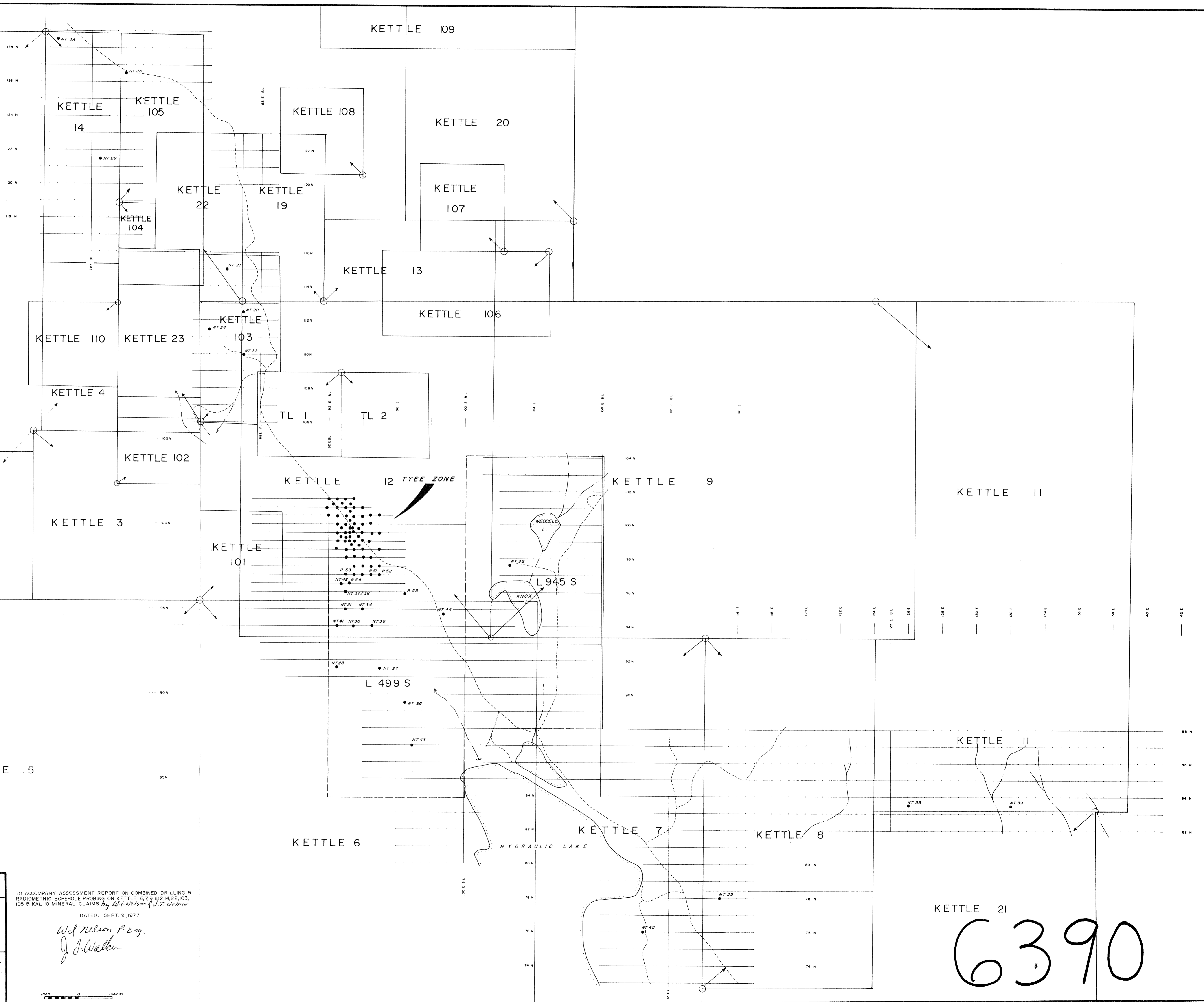
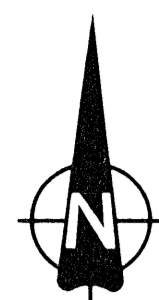
6390

TO ACCOMPANY ASSESSMENT REPORT ON COMBINED DRILLING & RADIO-METRIC BOREHOLE PROBING ON KETTLE 6,7,9,11,12,14,22,103,105 & KAL 10 MINERAL CLAIMS BY W.I. NELSON & J.T. WALKER
DATED: SEPT. 9, 77

W.I. Nelson
J.T. Walker

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. **6390**

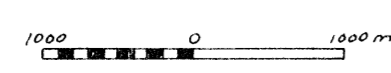
REVISED	TYEE - HYDRAULIC LAKE PROJECT	
JUNE 1977	DRILL PLAN	
PROJ. No.	SURVEY BY: JAN VAN VOORST	DATE: NOV. 1976
N.T.S.	DRAWN BY: JAN VAN VOORST	SCALE: 1" = 1000'
DWG. No.	NORANDA EXPLORATION	
2	OFFICE: VANCOUVER	



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. **6390**

REVISED	HYDRAULIC LAKE GRID	
	GRID & DRILL PLAN	
PROJ. No.	SURVEY BY:	DATE: JUNE, 1977
N.T.S.	DRAWN BY:	SCALE: 1:10,000
DWG. No.	NORANDA EXPLORATION	
3	OFFICE: VANCOUVER	

TO ACCOMPANY ASSESSMENT REPORT ON COMBINED DRILLING & RADIO-METRIC BOREHOLE PROBING ON KETTLES 6, 7, 8, 9, 10, 11, 12, 13, 14, 19, 20, 21, 22, 23, 101, 102, 103 & KAL ID MINERAL CLAIMS by W. Nelson & J. J. Walker
DATED: SEPT 9, 1977
W. Nelson P. Eng.
J. J. Walker



KETTLE 21
6390