MGG 06115023

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 044° 05.0' N

LONGITUDE: -124° 66.21'W

STATION NO.: 1

LINE NO.:

DAY/MONTH/YEAR

DATE: 5/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
1G	125 m	62 cm		

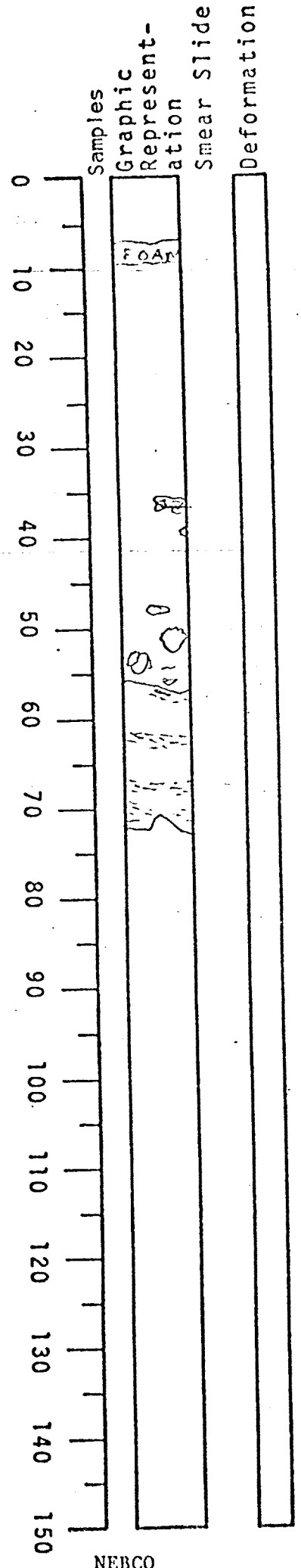
REMARKS:

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.
S 9 - 7 7 N C	1 G	1

STATION#	OBSERVER
1	WCR



0-10 cm Tube empty

10-57 cm, grayish olive green (5GY 3/2) clayey very fine sand to silt, massive, shell fragment at 37 cm, 48 cm, increasing in abundance at base of unit (10%), contact not distinct, shell fragment 1-2 cm diameter = pelecypod (whole valves) and gastropods

57-73 cm, olive gray (5Y 3/2) to grayish olive green (5GY 3/2) clayey very fine sand to silt with 10-20% shell hash in coarsely defined beds, top contact at 57 cm very distinct, 0.5 cm thick shell layer, shells fragmented 1 mm to 10 mm diameter.

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 1G

STATION NO: 1

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	(Top) 12-14 cm	Sam Clarke	USGS	Grain Size	11/18/77
	(Top) 12-14 cm	Sam Clarke	USGS	Forams	11/18/77
	68-70 cm	Sam Clarke	USGS	Biostrat.	11/18/77

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 044° 05.94'N

LONGITUDE -124° 70.32' W

STATION NO. 2

LINE NO. C5A

DAY/MONTH/YEAR

DATE 06/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

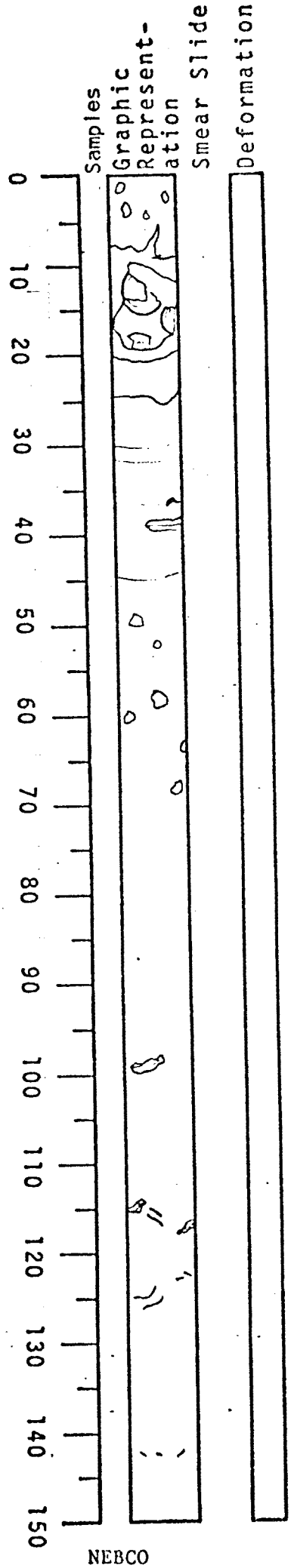
SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
2G	115 m	162 cm		

REMARKS:

VISUAL CORE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.
S 9 - 7 7 N C	2 G	1

STATION#	OBSERVER
2	WCR



0-20 cm, Disturbed by cutting

0-10 cm, grayish green (10Y 4/2) pebble-bearing silty sand, pebbles (shale?) 3-10 mm diameter

10-19 cm, olive gray (5Y 3/2) sandy mud and greenish black (5G 2/1) muddy sand mixed when core was split, whole and fragments of pelecypod, 3-6 cm diameter, fine shell hash near base

19-25 cm, greenish black (5G 2/1) massive muddy sand, top cm shell hash (20% shell fragments), shell fragments 1-5 mm diameter, lower contact sharp and sinuous

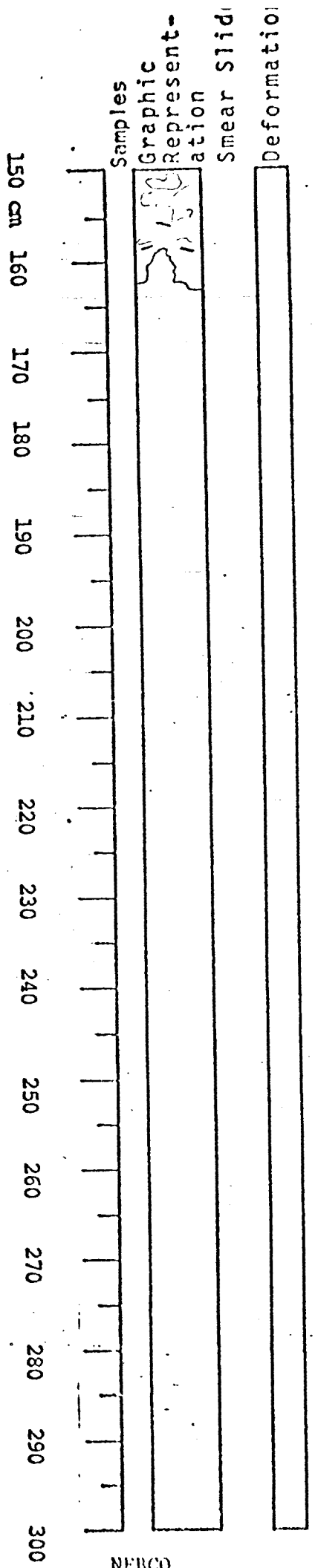
25-46 cm, grayish olive green (5GY 3/2) silty, with greenish black (5G 2/1) laminations, broken pelecypod fragment at 37 cm and 40 cm, lower contact sharp

46-145 cm, homogeneous dark greenish gray (5G 4/1) silty clay, 46-70 cm well burrowed (1-2 cm diameter), scattered pelecypod fragments (100, 115, 125 cm), becomes mottled at base (110-145 cm)

VISUAL CORE DESCRIPTION

LOCATOR							SAMPLE NO.					SEC.	
S	9	-	7	7	-	N	C			2	G		2

STATION#				OBSERVER
	2			WCR



150-162 cm, mottled greenish olive gray (5GY 3/2) to dark greenish gray (5G 4/1) silty, few shell fragments at 156 cm and 160 cm

156-162 cm, core catcher

NERCO

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 2G

STATION NO: 2

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	2-4 cm	Sam Clarke	USGS	Grain Size	11/18/77
1	2-4 cm	Sam Clarke	USGS	Forams	11/18/77
2	148-150 cm	Sam Clarke	USGS	Biostrat.	11/18/77

NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 044° 05.77' N

LONGITUDE -124° 73.58' W

STATION NO. 3

LINE NO. C5A

DAY/MONTH/YEAR

DATE 06/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	SPECIMEN SIZE (CM)	BASIC LITHOLOGY	REMARKS
3G	140 m	38 cm		

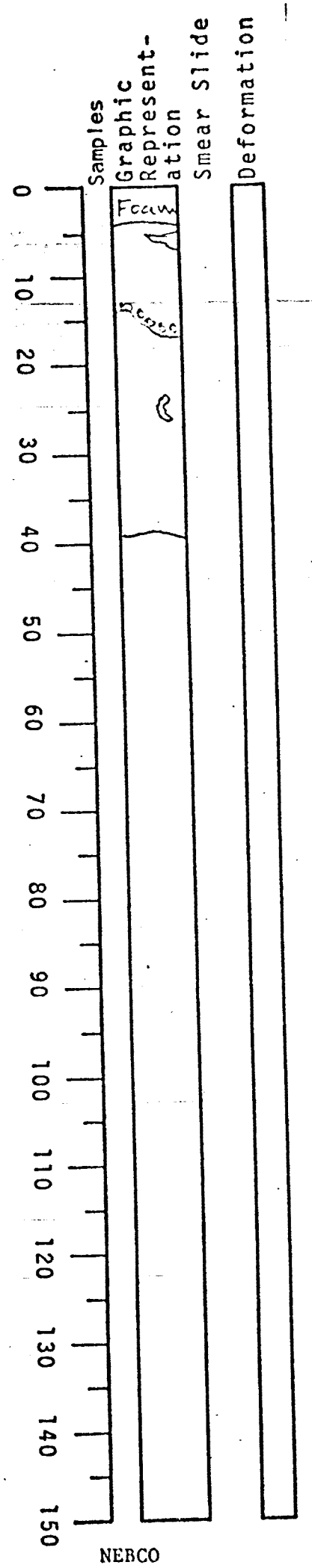
REMARKS:

NEBOO

VISUAL CORE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.
S 9 - 7 7 - N C	3 G	1

STATION#	OBSERVER
3	WCR



0-4 cm, Foam filler

4-18 cm, greenish black (5G 2/1) muddy sand, black or very dark green medium to fine sand grains of unknown composition, layer of 1 cm diameter pebbles at base of unit, pebbles dark greenish gray (5G 4/1) to greenish black (5GY 2/1), lower contact is very sharp forming a rough angular surface

18-38 cm, dark greenish gray (5G 4/1) fine silt and clay, unit is featureless except for a 1.5 cm arc-shaped shell fragment at 25 cm

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 3G

STATION NO: 3

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	1-3 cm	Mike Field	USGS	Grain Size	11/18/77
1	1-3 cm	Mike Field	USGS	Biostrat.	11/18/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 044° 05.61' N

LONGITUDE: -124° 73.42' W

STATION NO.: 4

LINE NO.: C5A

DAY/MONTH/YEAR

DATE: 6/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	SPECIMEN SIZE (CM)	BASIC LITHOLOGY	REMARKS
4G	140 m	45 cm		

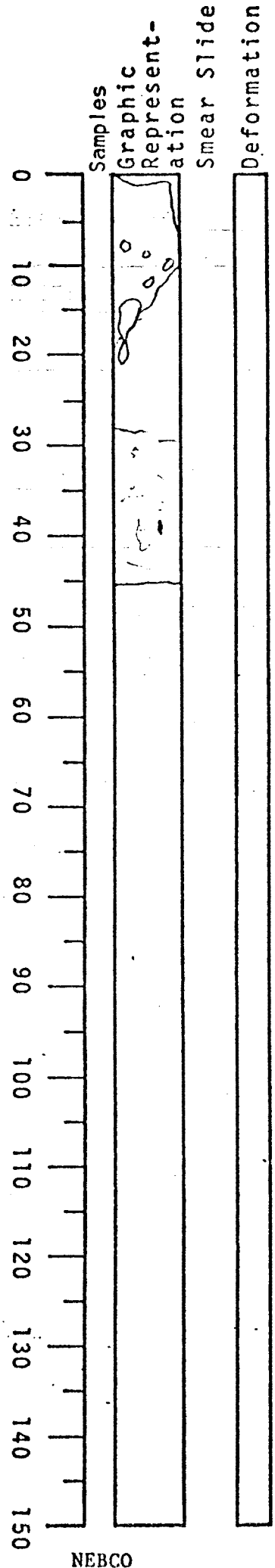
REMARKS:

NEBOO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		4	G			1

STATION#				OBSERVER
	4			WCR



0-20 cm, grayish olive green (5GY 3/2) mud with greenish black (5G 2/1) medium sand grains (30-40% sample), unit soupy, scattered pebbles 1 cm from 5 to 20 cm, large dark gray (N3) elongated (9 cm) pebble at base of unit, lower contact sharp and angular slopes from 10 to 20 cm

10-45 cm, dark greenish gray clayey (?) silt, slightly mottled, well bioturbated (mostly burrowed) from 15-45 cm, burrows 0.5 to 1 cm diameter, 1 cm long wood fragment at 38 cm

NEBCO

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 4G1

STATION NO: 4

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	1-3 cm	Mike Field	USGS	Grain Size	18/11/77
	42-45 cm	Mike Field	USGS	Biostrat.	18/11/77

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 044° 05.99' N

LONGITUDE: -124° 75.51' W

STATION NO.: 5

LINE NO.: C5A

DAY/MONTH/YEAR

DATE: 6/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
5G	135 m	Core Catcher only		

REMARKS:

NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 044° 05.95' N

LONGITUDE -124° 76.55 W

STATION NO. 6

LINE NO. C5A

DAY/MONTH/YEAR

DATE 6/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
6G	130 m	Core Catcher only		

REMARKS:

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 044° 05.36-05.507'N

LONGITUDE: -124° 78.24-78.019'W

STATION NO.: 7

LINE NO.: C5A

DAY/MONTH/YEAR

DATE: 6/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
7G1	120 m	Core Catcher only		
7G2	120 m	Core Catcher only		

REMARKS:

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 044° 05.74-05.98' N

LONGITUDE: -124° 79.02-79.03' W

STATION NO.: 8

LINE NO.: C5A

DAY/MONTH/YEAR

DATE: 6/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
8G1	115 m	Core Catcher only		
8G2	115 m	Core Catcher only		

REMARKS:

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 044° 05.34' N

LONGITUDE: -124° 80.18' W

STATION NO.: 9

LINE NO.: C5A

DAY/MONTH/YEAR

DATE: 6/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
9G	105 m	27 cm		

REMARKS:

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 044° 05.42' N

LONGITUDE -124° 81.32 W

STATION NO. 10

LINE NO. C5A

DAY/MONTH/YEAR

DATE 6/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
10G	80 m	19 cm		

REMARKS:

NEBOO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 044° 05.08' N

LONGITUDE: -124° 89.13' W

STATION NO.: 11

LINE NO.:

DAY/MONTH/YEAR

DATE: 6/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
11G	133 m	36 cm		

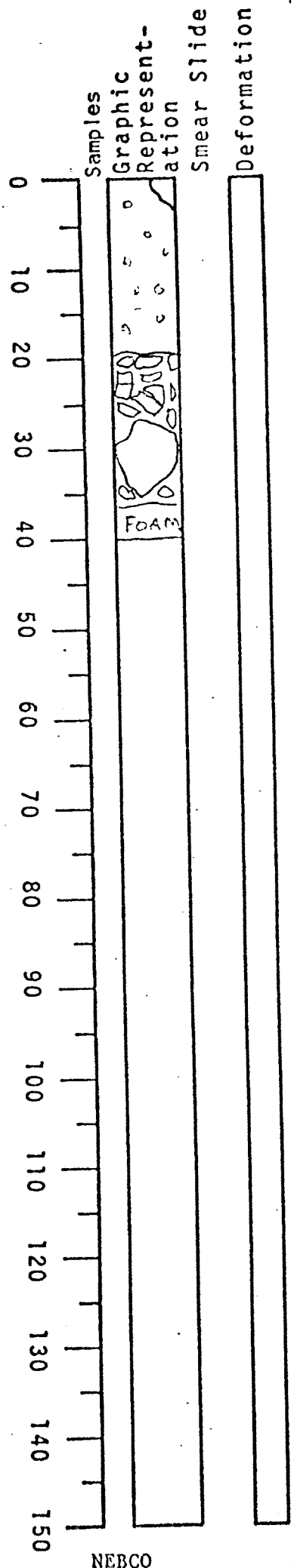
REMARKS:

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.
S 9 - 7 7 - N C	1 1 G	1

STATION#	OBSERVER
1 1	WCR



0-19 cm, grayish olive green (5GY 3/2) muddy fine sand, scattered pebbles (less than 1 cm) and coarse sand-size material, pebbles are grayish black (N2) to greenish black (5G 2/1), coarse sand fraction consists of rock fragments, quartz (rounded), shell fragments and other, lower contact sharp

19-36 cm, grayish olive green (5GY 3/2) to olive gray (5Y 3/2) angular mudstone pebbles and cobble 1-7.5 cm diameter, some medium bluish gray (5B 5/1) on fresh surface, some muddy medium sand matrix consisting mostly of shell fragments

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 11G

STATION NO: 11

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	1-3 cm	Sam Clarke	USGS	Grain Size	11/18/77
1	1-3 cm	Sam Clarke	USGS	Forams	11/18/77

NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 044° 05.64 N

LONGITUDE -124° 92.46' W

STATION NO. 12

LINE NO. C5A

DAY/MONTH/YEAR

DATE 6/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
12G	182 m	37 cm	Sandy Gravel	

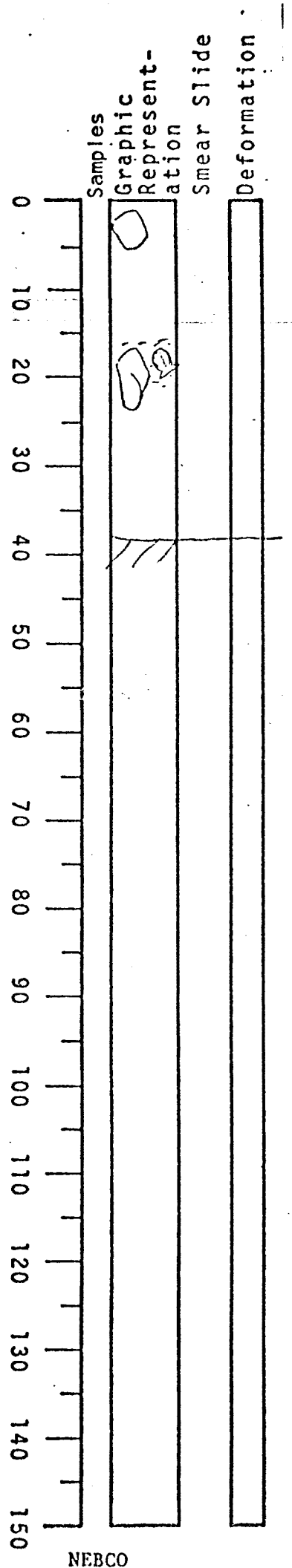
REMARKS:

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		1	2	G	1

STATION#			OBSERVER
	1	2	JVG



Silty Gravel, dark greenish gray (5G 3/1), mixed assortment of coarse-grained components, no apparent stratification, imbrication, etc., pelecypod shell at 20 cm and a shell hash from 15 to 20 cm, rock at 20 cm is grayish black (N2) and appears to be very fine-grained

NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 044° 06.04' N

LONGITUDE -124° 92.84' W

STATION NO. 13

LINE NO. C5A

DAY/MONTH/YEAR

DATE 6/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
13G	212 m	196 cm		

REMARKS:

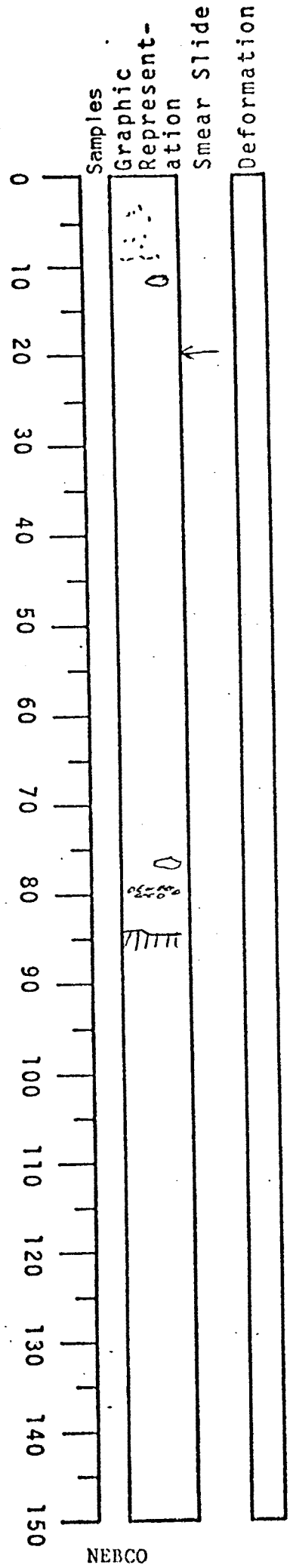
Core liner was precut prior to use therefore section 1 is 0-84 cm and section 2 is 84-196 cm.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		1	3	G		1

STATION#				OBSERVER
	1	3		NEB

Section 1 is 0-84 cm



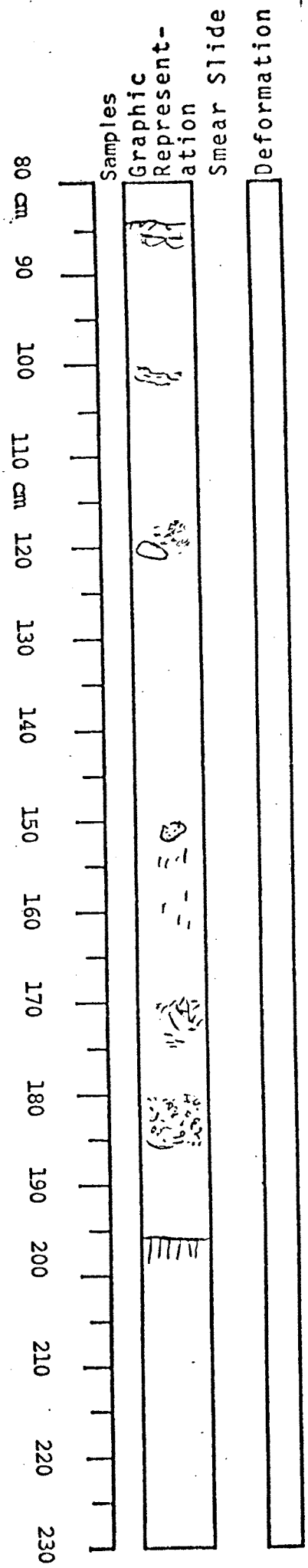
NEBCO

VISUAL CORE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.
S 9 - 7 7 - N C	1 3 G	2

STATION#	OBSERVER
1 3	NEB

Section 2 is from 84-196 cm



NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 043° 35.36' N

LONGITUDE -124° 47.56' W

STATION NO. 14

LINE NO. C14A

DAY/MONTH/YEAR

DATE 7/11/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
14G	491 m	Core Catcher		

REMARKS:

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 043° 34.65' N

LONGITUDE: -124° 48.75' W

STATION NO.: 15

LINE NO.: C14A

DAY/MONTH/YEAR

DATE: 7/11/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
15G	543 m	Core Catcher		

REMARKS:

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 043° 56.77-55.68' N

LONGITUDE: -124° 82.59-82.72' W

STATION NO.: 16

LINE NO.: C14A

DAY/MONTH/YEAR

DATE: 7/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
16G1	670 m	265 cm		
16G2	679 m	?		

REMARKS:

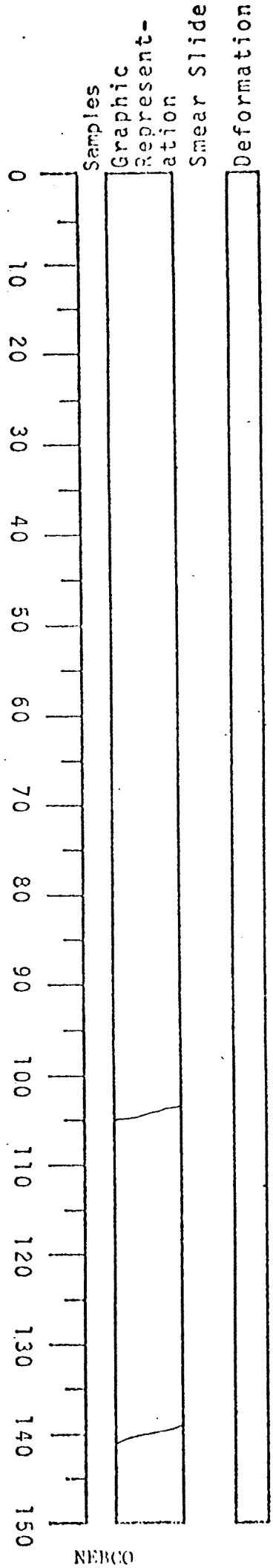
? 16G2 may have gone to geochem for gas analysis (hydrocarbons), see John Rapp (USGS, Menlo Park)

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.	
S	9	-	7	7	-	N	C		1	6	G	1		1

STATION#				OBSERVER
	1	6		JVG



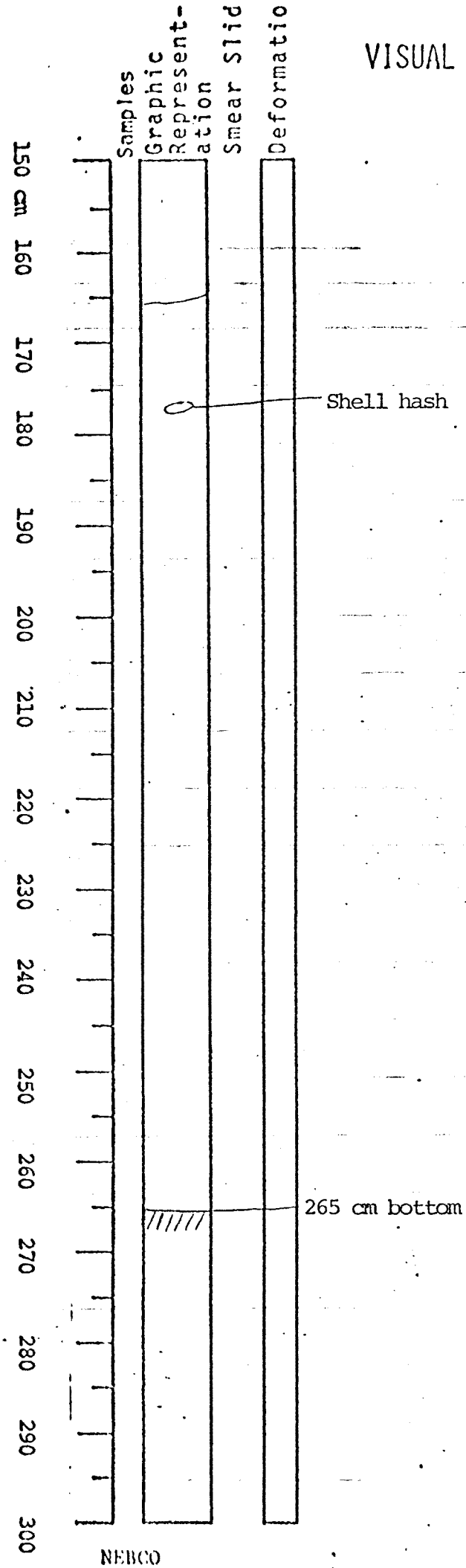
Top 22 cm totally disturbed by handling and splitting

Clay, dark greenish gray (5GY 4/1), homogeneous, flecks of Fe/Mn apparent below 85 cm. A laminae of hackled appearance appears at 105 cm and 141 cm.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.	
S	9	-	7	7	-	N	C		1	6	G	1	2

STATION#				OBSERVER
	1	6		JVG



Clay, dark greenish gray (5GY 4/1), homogeneous, shell hash at 176 cm, Fe/Mn flecks and streaks throughout, hackled-appearing laminae at 166 cm.

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 16G1

STATION NO: 16

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	1-3 cm	Sam Clarke	USGS	Grain Size	11/18/77
1	1-3 cm	Sam Clarke	USGS	Forams	11/18/77
2	264-266 cm	Sam Clarke	USGS	Biostrat.	11/18/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 043° 34.35' N

LONGITUDE: -124° 50.45' W

STATION NO.: 17

LINE NO.: C14A

DAY/MONTH/YEAR

DATE: 7/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
17G1	675 m	(?) Core Catcher		
17G2	685 m	300 cm	Clay	

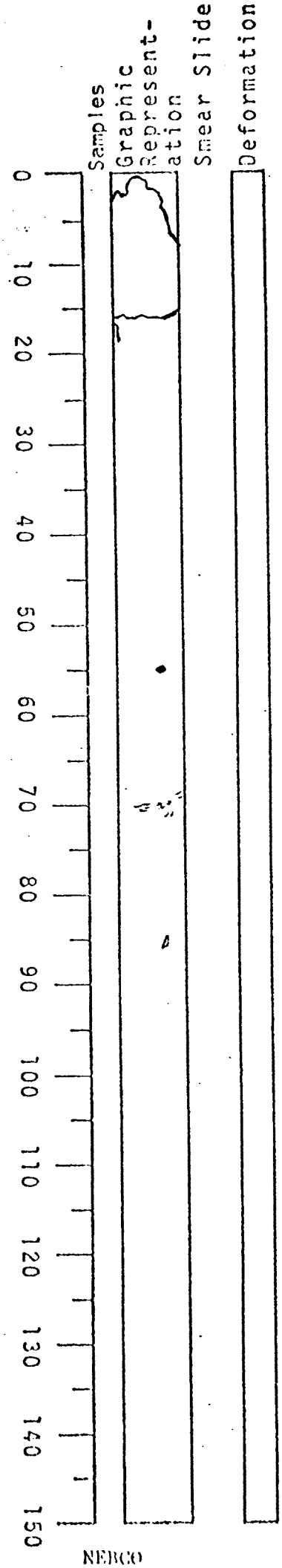
REMARKS:

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		1	7	G	2		1

STATION#				OBSERVER
		1	7	WCR



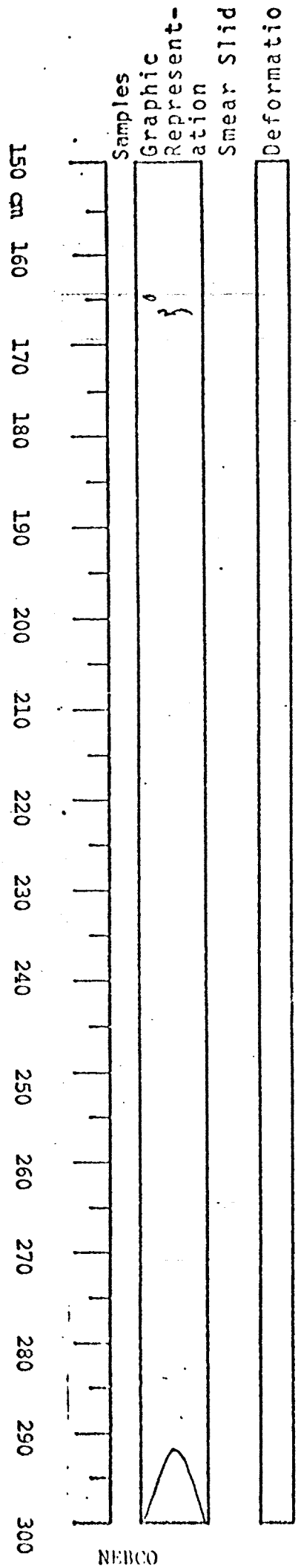
0-17 cm, core disturbed during split, olive gray (5Y 3/2) fine silty clay, very soupy

17-150 cm, olive gray (5Y 3/2) homogeneous fine silty clay, small 3 cm plant fragment at 17 cm, few broken shell fragments at 55, 70 and 85 cm, featureless

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.	
S	9	-	7	7	-	N	C		1	7	G	2	2

STATION#				OBSERVER
		1	7	WCR



150-300 cm, grayish olive green (5GY 3/2) slightly silty clay, 150-210 cm appears featureless except for 2 shell fragments at 155 and 157 cm, 1 and 4 cm long (respectively). 210-300 cm contains slightly darker bands, 1 cm (not continuous across core), at about 5 cm spacing, at 270 cm bands look like burrows but are indistinct.

290-300 cm, disturbed by core catcher.

NEBCO

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 17G

STATION NO: 17

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	2-4 cm	Sam Clarke	USGS	Grain Size	11/18/77
1	2-4 cm	Sam Clarke	USGS	Forams	11/18/77
1	19-21 cm	Sam Clarke	USGS	Grain Size	11/18/77
2	290-292 cm	Sam Clarke	USGS	Biostrat.	11/18/77

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 043° 34.09' N

LONGITUDE: -124° 44.30' W

STATION NO.: 18

LINE NO.: C14A

DAY/MONTH/YEAR

DATE: 7/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
18G	610 m	2.4 m		

REMARKS:

NEBCO

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 18G

STATION NO: 18

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
	Whole Core	John Rapp	USGS	Hydrocarbons	11/7/77
	Core Catcher	Sam Clarke	USGS	Archive	11/7/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 043° 56.76' N

LONGITUDE: -124° 73.76' W

STATION NO.: 19

LINE NO.: C14A

DAY/MONTH/YEAR

DATE: 7/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
19G	540 m	227 cm	Clay	

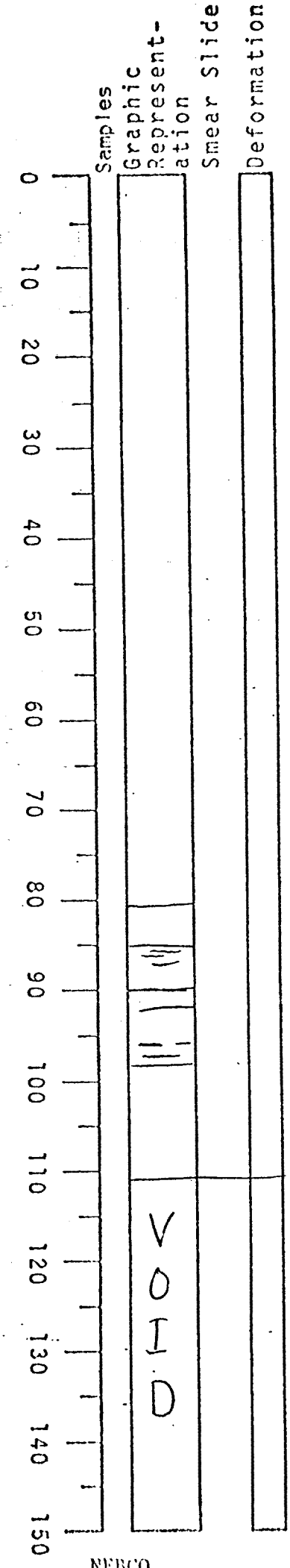
REMARKS:

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.
S 9 - 7 7 - N C	1 9 G	1

STATION#	OBSERVER
1 9	JVG



Note: Top 10 cm disturbed in splitting

Clay, dark greenish gray (5GY 4/1), homogeneous from 0-80 cm and then has a laminated hackled appearance, Fe/Mn flecks common from 80 cm to 111 cm

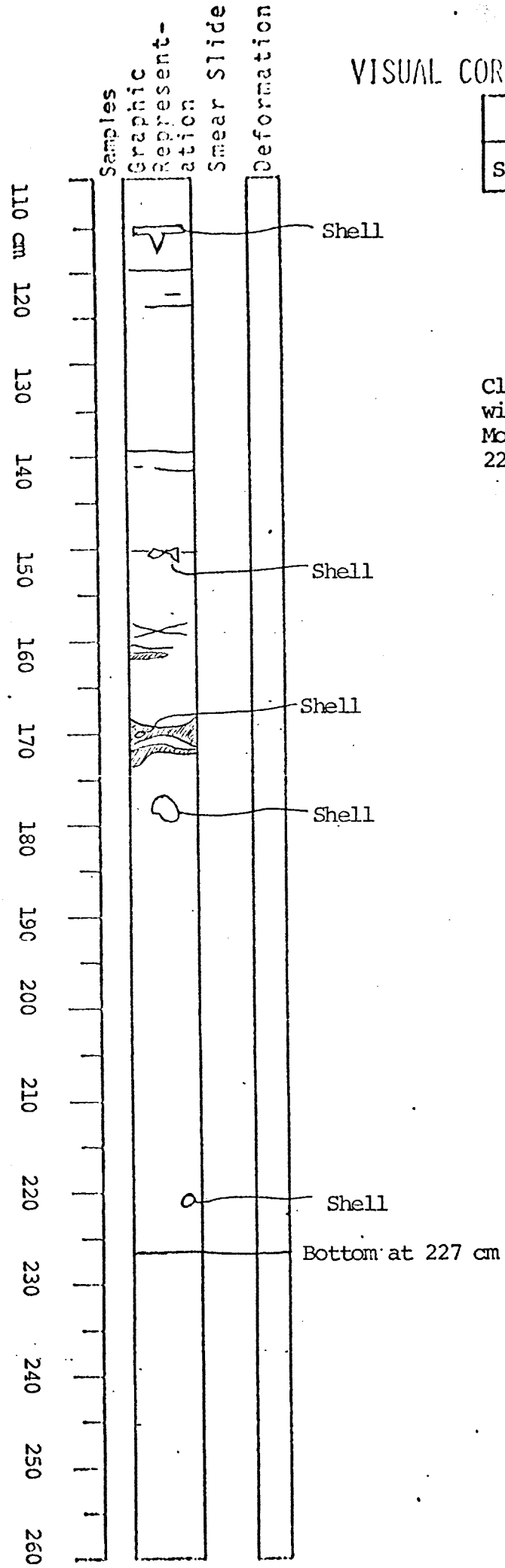
111 cm, bottom of section 1

Cutting error, chopped section 1 too short.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		1	9	G		2

STATION#				OBSERVER
		1	9	JVG



Clay, dark greenish gray (5GY 4/1), laminated with hackled-appearing silt (?), stringers. Mollusc fragments at 115, 150, 169, 177, and 220 cm. Fe/Mn flecks scattered throughout.

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 19G

STATION NO: 19

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	1-3 cm	Sam Clarke	USGS	Grain Size	11/18/77
1	1-3 cm	Sam Clarke	USGS	Forams	11/18/77
2	225-227 cm	Sam Clarke	USGS	Biostrat.	11/18/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 043° 57.82-57.85' N

LONGITUDE: -124° 37.96-37.92' W

STATION NO.: 20

LINE NO.: C14A

DAY/MONTH/YEAR

DATE: 7/11/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
20G1 and 20G2	112 m	No Recovery		

REMARKS:

No Recovery

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 043° 57.78' N

LONGITUDE: -124° 38.03' W

STATION NO.: 21

LINE NO.: C14A

DAY/MONTH/YEAR

DATE: 7/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
21G	115 m	100 ml		

REMARKS:

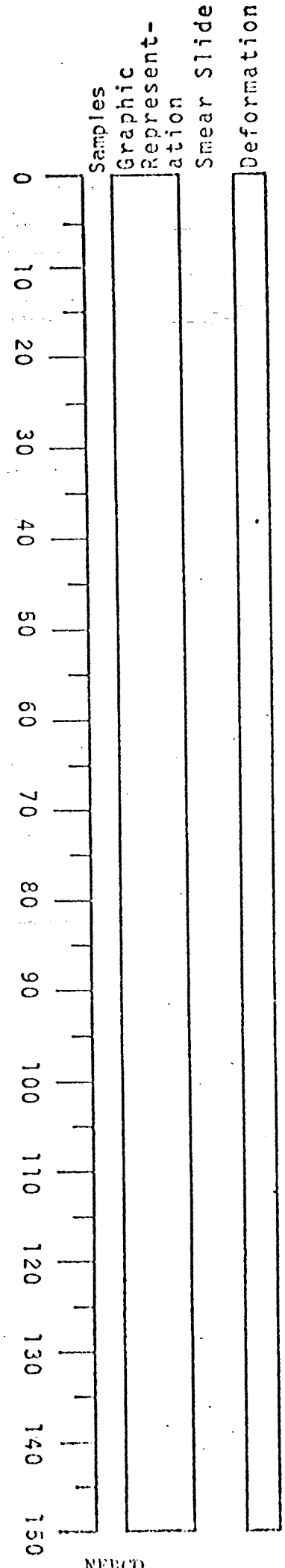
Recovered about 100 ml gravel

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	9	-	7	7	-	N	C			2	1	G		1

STATION#				OBSERVER
2	1			



100 ml of gravel found loose in core barrel

stored in 1 - 8 oz. jar

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 043° 58.15' N

LONGITUDE: -124° 33.98' W

STATION NO.: 22

LINE NO.: C14A

DAY/MONTH/YEAR

DATE: 8/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

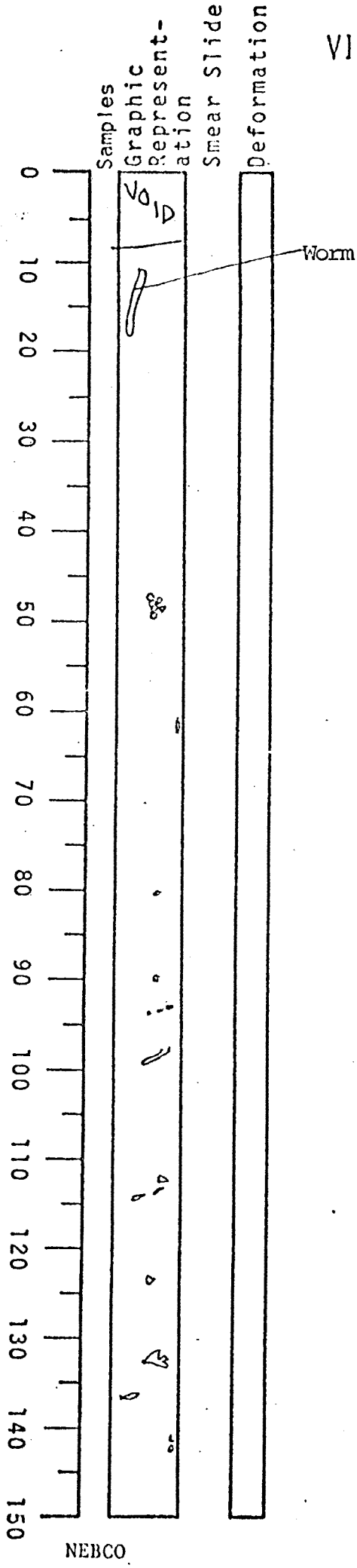
SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
22G	100 m	190 cm	Silty Clay	

REMARKS:

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		2	2	G		1

STATION#				OBSERVER
	2	2		JVG



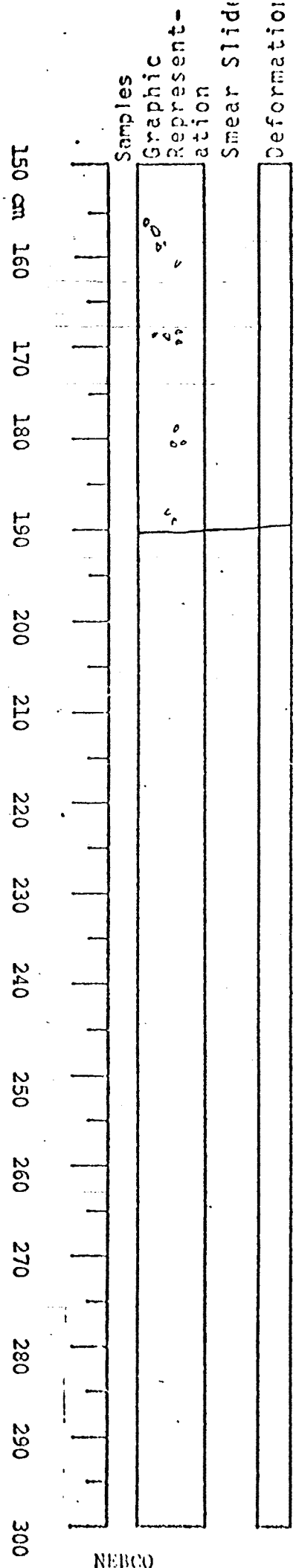
Clay, dark greenish gray (5GY 4/1), alternating hackled and non-hackled zones on a mm scale. May be either silt-bearing zones or effects of bioturbation. Mollusc fragments scattered throughout the section.

A worm occurs at 10 to 17 cm.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		2	2	G		2

STATION#				OBSERVER
		2	2	JVG



Clay, dark greenish gray (5GY 4/1), alternating hackled and non-hackled zones on a mm scale. Mollusc fragments scattered throughout.

Bottom at 190 cm

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 22G

STATION NO: 22

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	1-3 cm	Sam Clarke	USGS	Grain Size	11/18/77
1	1-3 cm	Sam Clarke	USGS	Forams	11/18/77
2	187-189 cm	Sam Clarke	USGS	Biostrat.	11/18/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 043° 05.25-.28-.37' N

LONGITUDE: -124° 70.42-69.75-69.67' W

STATION NO.: 23

LINE NO.: C26A

DAY/MONTH/YEAR

DATE: 9/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
23G	157 m	?Smear		
23G2	155 m	?Smear		
23G3	157 m	35 cm		

REMARKS:

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 041° 54.71' N

LONGITUDE: -124° 22.69' W

STATION NO.: 24

LINE NO.: E10A

DAY/MONTH/YEAR

DATE: 12/11/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
24G	50 m	No Recovery		

REMARKS:

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 041° 54.16' N

LONGITUDE: -124° 29.37' W

STATION NO.: 25

LINE NO.: E10A

DAY/MONTH/YEAR

DATE: 12/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
25G	69 m	150 cm		

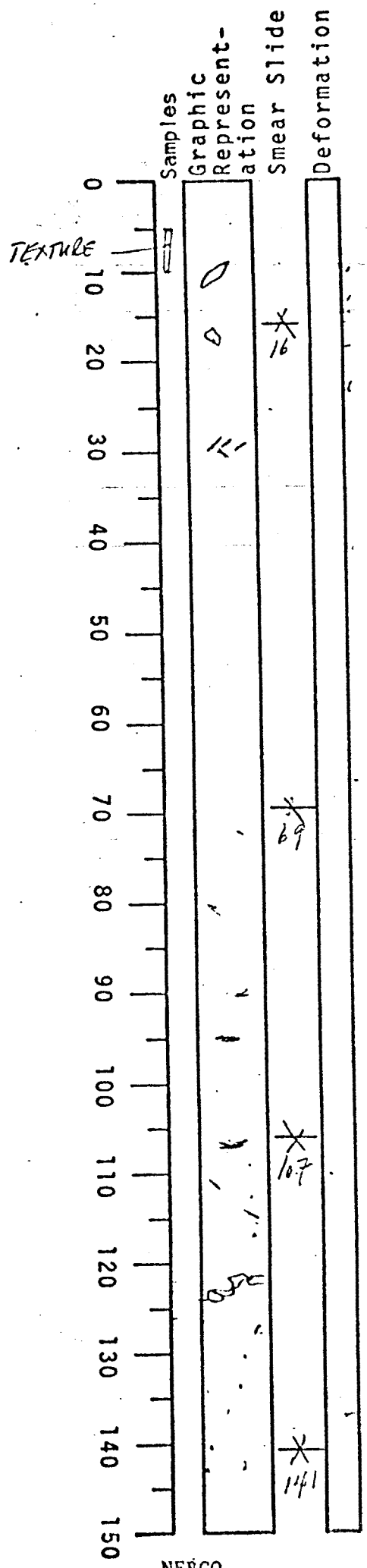
REMARKS:

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		2	5	G		1

STATION#				OBSERVER
	2	5		F.L-W.



10 cm, 15 mm pelecypod shell intact

17 cm, 5 mm gastropod shell intact

16 cm, very fine sand

0-28 cm, olive black (5Y 2/1) coring-disrupted layer of very fine sand with a clay, cohesive

28-60.5 cm, (5Y 3/2) olive gray very fine sandy mud pock - marked with (N1) black pockets of ? oxides up to 1¼ cm diameter, rare scattered shell material at 28 cm

60.5-70 cm, appears to be transition zone with intercalations of clayey mud from above and muddy very fine sand below

69 cm, diatomaceous ooze

70-150 cm, (5Y 2/1) olive black muddy very fine sand, shell fragments first occurring at 78.5 cm, rare and increasing in frequency and size to max. at approx. 118 cm and then diminishing but still present at 148 cm, discreet pattern of (5Y 3/2) olive gray finer grained material with burrow-like appearance at 122-136 cm, 1/2 to 3/4 cm width

107 cm, fine sand

141 cm, very fine sand

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 25G

STATION NO: 25

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	5-10 cm	Mike Field	USGS	Grain Size	11/14/77

NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 041° 54.03' N

LONGITUDE -124° 35.07' W

STATION NO. 26

LINE NO. E10A

DAY/MONTH/YEAR

DATE 12/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
26G	90 m	146 cm		

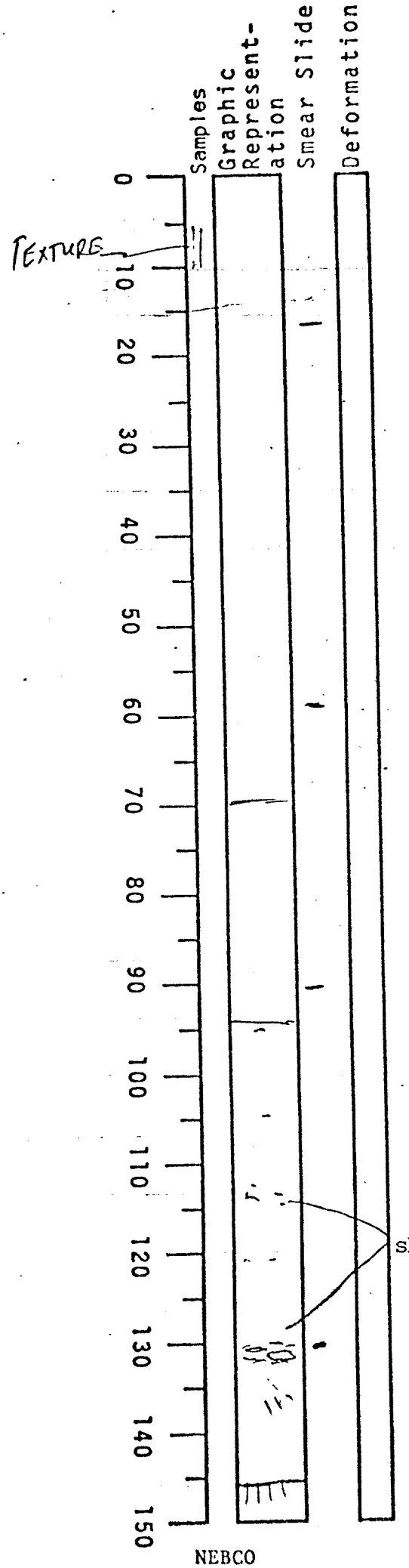
REMARKS:

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.	
S	9	-	7	7	-	N	C		2	6	G		1

STATION#			OBSERVER
	2	6	NEB



0-15 cm, disturbed during coring procedure

17 cm, coarse silt

15-70 cm, homogeneous coarse silt (5Y 2/1) olive black to (5Y 3/2) olive grey, burrowed

59 cm, coarse silt

70-94 cm, homogeneous coarse silt with very fine sand interfingered, olive gray (5Y 3/2) to olive black (5Y 2/1)

91 cm, very fine sand

94-140 cm, homogeneous fine sand olive grey (5Y 3/2) scattered shell fragments start at 94 cm and go to bottom, large bivalve at 133 cm in a lens of shell fragments

140-146 cm, disturbed from core catcher

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 26G

STATION NO: 26

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	5-10 cm	Mike Field	USGS	Grain Size	14/11/77

NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 041° 53.23' N

LONGITUDE -124° 43.42' W

STATION NO. 27

LINE NO. E10A

DAY/MONTH/YEAR

DATE 12/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

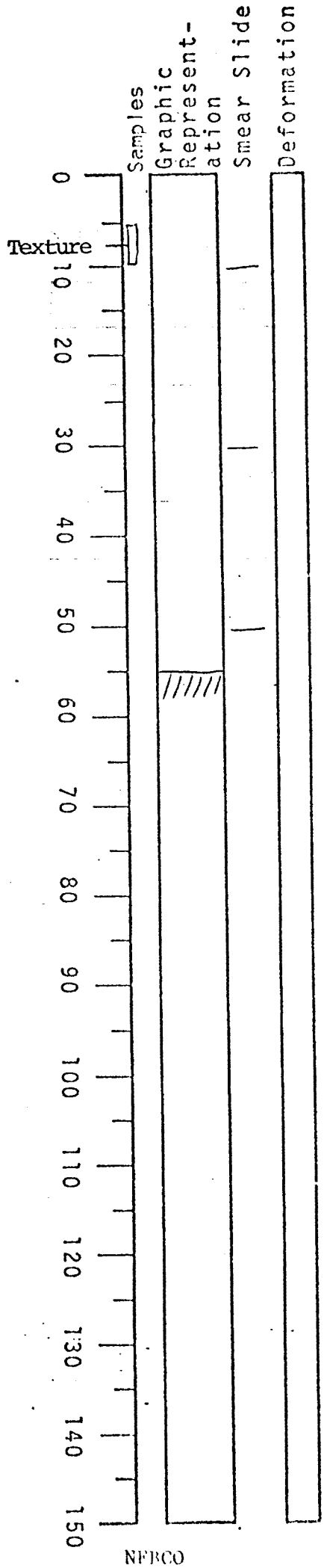
SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
27G	120 m	50 cm		

REMARKS:

VISUAL CORE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.
S 9 - 7 7 - N C	2 7 G	1

STATION#	OBSERVER
2 7	NEB



0-10 cm disturbed, homogeneous silty sand

10-48 cm, silt bearing fine to medium sand with sand bearing silt layers, color grades from olive grey (5Y 3/2) at 10 cm to olive black (5Y 2/1) at 48 cm with streaks of black (heavy mineral layers?).

48-55 cm, silt bearing medium sand, olive grey to olive black, several shell fragments

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 27G

STATION NO: 27

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	5-10 cm	Mike Field	USGS	Grain Size	14/11/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 041° 52.40' N

LONGITUDE: -124° 49.35' W

STATION NO.: 28

LINE NO.: E10A

DAY/MONTH/YEAR

DATE: 12/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
28G	208 m	64 cm		

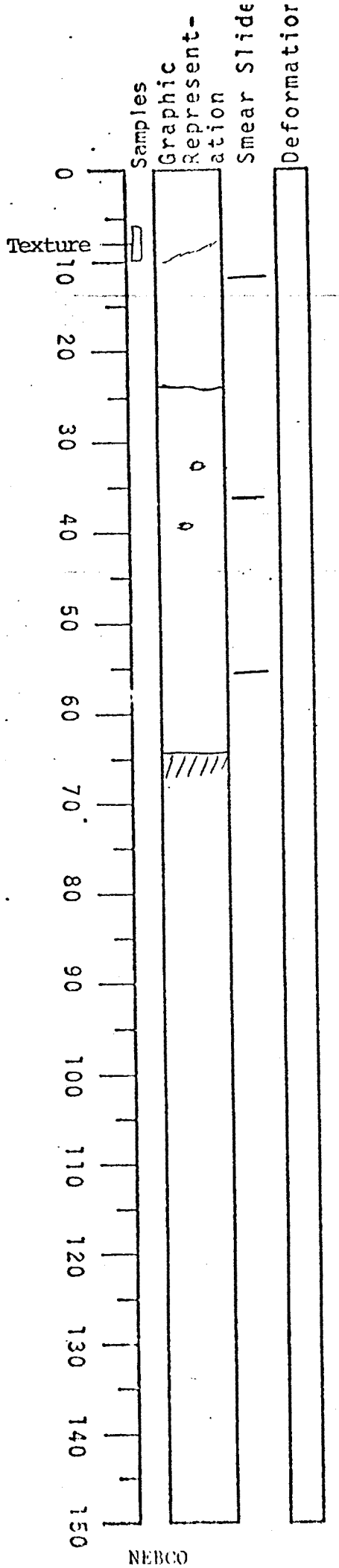
REMARKS:

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.
S 9 - 7 7 - N C	2 8 G	1

STATION#	OBSERVER
2 8	F. L-W.



12.9 cm - fine sand

0-9 cm, olive gray (5Y 3/2) to moderate olive brown (5Y 4/4) sticky mud disrupted during coring

36.5 cm - very fine to fine sand

9-24 cm, olive gray (5Y 3/2) homogeneous-appearing cohesive clayey sand with rare shell fragments less than 1 mm lengths

55.5 cm - fine sand

24.5-64 cm, distinct transition zone from very fine to slightly coarser muddy sand, olive gray (5Y 3/2) to olive black (5Y 2/1) in color, rare shell fragments up to 3 mm in diameter, "Pods" at 33 cm and 38 cm of slightly lighter color but apparently same grain size, mica conspicuous, ? traces of burrows approx. 1 cm in length.

(a)

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 28G

STATION NO: 28

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	5-10 cm	Mike Field	USGS	Grain Size	11/14/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 041° 52.54' N

LONGITUDE: -124° 51.57' W

STATION NO.: 29

LINE NO.: E10A

DAY/MONTH/YEAR

DATE: 12/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
29G	315 m	82 cm		

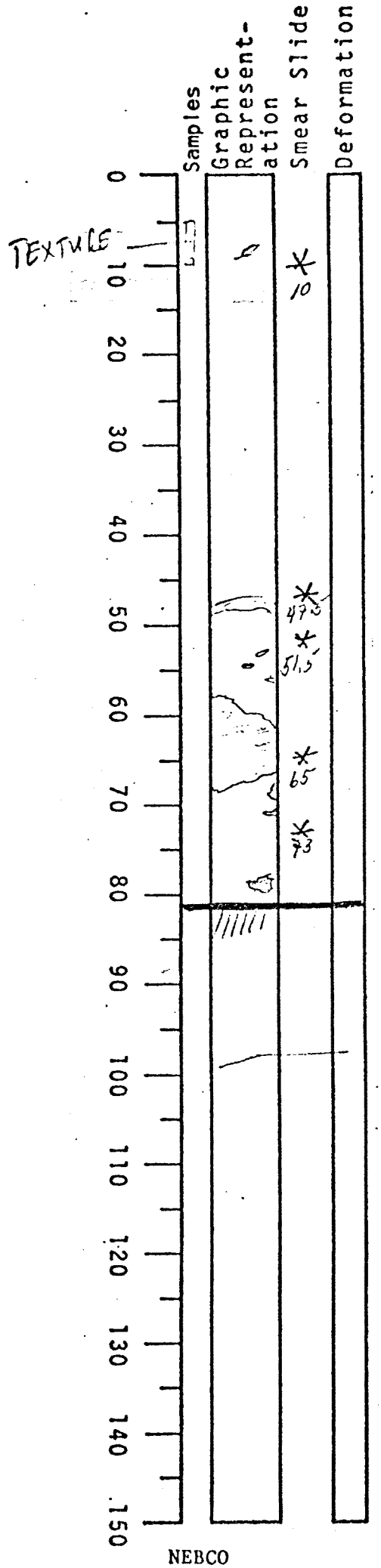
REMARKS:

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		G	2	9		1

STATION#				OBSERVER
	2	9		F. L-W.



0-4.5 cm, olive gray (5Y 3/2) disturbed silty sand

4.5-6.5 cm, moderate olive brown (5Y 4/4) to olive gray (5Y 3/2) mud layer

6.5-82 cm, relatively homogeneous cohesive olive black (5Y 2/1) mud with lenses or "pockets" of very fine grained silt or sand occurring at 8 cm, 48 cm, 55 cm, 59 cm to 68 cm, 71 cm, 73 cm and 80 cm. Rare mica fragments, shell fragments and forams less than 1 mm.

10 cm, diatom-bearing coarse silt

47.5 cm, sand-bearing silt with diatoms

51.5 cm, sandy silt

65.0 cm, coarse silt with sponge spicules

73.0 cm, sand-bearing ooze

NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 041° 52.44' N

LONGITUDE -124° 52.99' W

STATION NO. 30

LINE NO. E10A

DAY/MONTH/YEAR

DATE 12/11/77

TYPE OF STORAGE (check one)

	X	
DRY	COLD	FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
30G	385 m	48 cm		

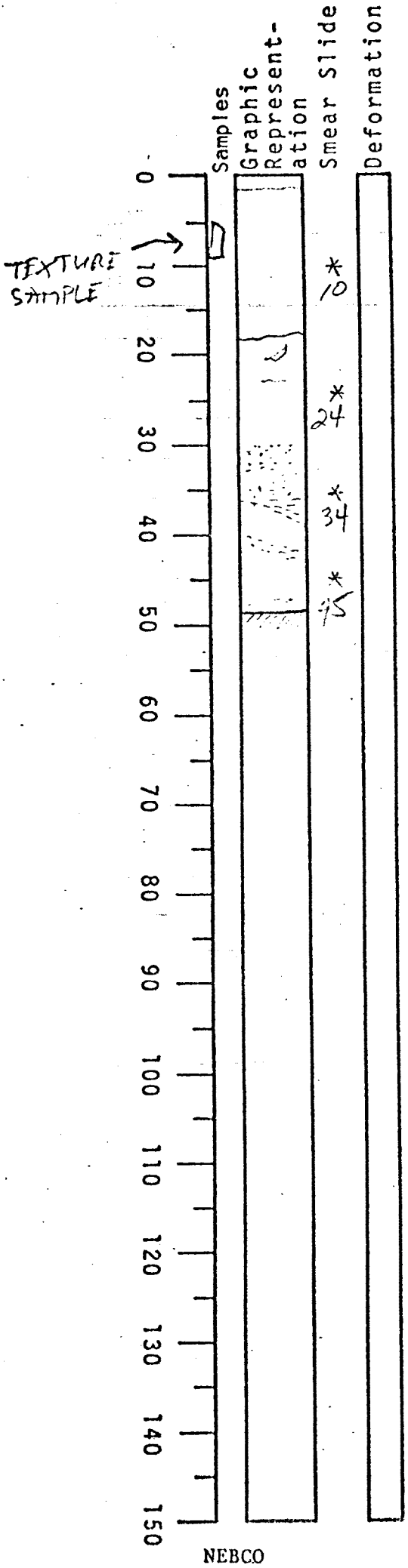
REMARKS:

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.
S 9 - 7 7 - N C	3 0 G	1

STATION#	OBSERVER
3 0	F.L-W.



2-18 cm, fine sand with shell horizon at 12 cm

18-31 cm, drier, coarser material, sand-clay-bearing diatom ooze

31-38 cm, moist, rod-like item at 35 cm, sharp contact with lower unit, diatom-silt-bearing fine sand

38-48 cm, uneven laminations about 3-5 mm thick, laminations caused by mud content and size of sand, sand-bearing diatom ooze, dark greenish gray (5GY 4/1)

Zone between 38 and 28 cm appears normally graded. If grading is present it is very subtle.

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	30G		10 cm	30			F.L-W.

Sediment Name: Fine Sand

ABUNDANCE	TEXTURE	SPECIFIC DATA
D	Sand	
	Silt	
	Clay	
	COMPOSITION	
C	Quartz	
C	Feldspar	
	Mica	
C	Heavy Mnls.	Px/Fe ox. or sulfur
	Total Detrital	
	Clay Mnls.	
	Volc. Glass	
TR	Palagonite	
	Chlorite	
	Glauconite	
	Pyrite	
	Micro Nodules	
	Dolo. Rhombs	
	Zeolite	
	Auth. Carb.	
	Rock Frags.	
	Foraminifera	
	Calc. Nannos	
R	Diatoms	
	Radiolarians	
	Sponge Spic.	
	Silicoflag.	
	Fish Remains	
	Plant Debris	

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	30G		24 cm	30			F.L-W.

Sediment Name: Sand-clay bearing diatom ooze

ABUNDANCE	TEXTURE	SPECIFIC DATA	
C	Sand		
	Silt		
C	Clay		
	COMPOSITION		
C	Quartz		
C	Feldspar		
	Mica		
C	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
A	Diatoms		
	Radiolarians		
	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	30G		34 cm	30			F.L-W.

Sediment Name: Diatom-silt bearing fine sand

ABUNDANCE	TEXTURE	SPECIFIC DATA	
A	Sand		fine sand
C	Silt		
C	Clay		
	COMPOSITION		
C	Quartz		
C	Feldspar		
	Mica		
C	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
TR	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
C	Diatoms		
R	Radiolarians		
C	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY
TR	Lithic Fragments

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	30G		45 cm	30			F.L-W.

Sediment Name: Sand-bearing Diatom Ooze

ABUNDANCE	TEXTURE	SPECIFIC DATA	
C	Sand		
C	Silt		
C	Clay		
	COMPOSITION		
R	Quartz		
R	Feldspar		
	Mica		
R	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
A	Diatoms		
	Radiolarians		
	Sponge Spic.		
TR	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 30G

STATION NO: 30

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	5-10 cm	Mike Field	USGS	Grain Size	11/15/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 041° 50.99' N

LONGITUDE: -124° 63.68' W

STATION NO.: 31

LINE NO.: E10A

DAY/MONTH/YEAR

DATE: 12/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
31G	920 m	300 cm		

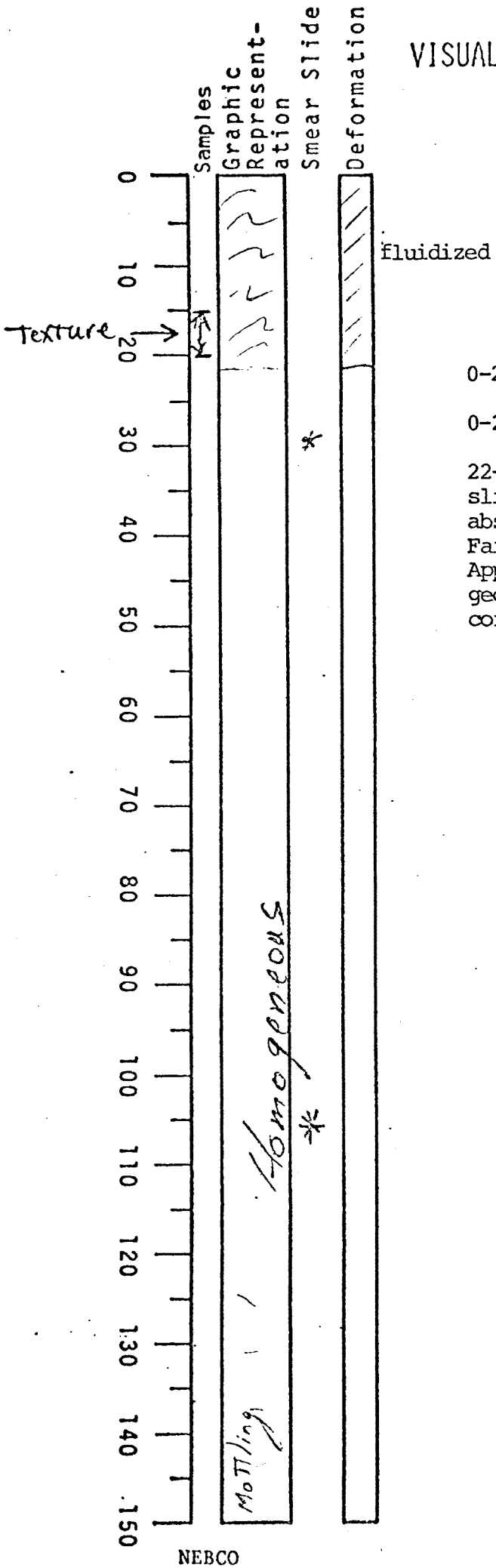
REMARKS:

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		3	1	G		1

STATION#				OBSERVER
	3	1		MEF



0-295 cm, two sections

0-22 cm (approx.), deformed by coring process

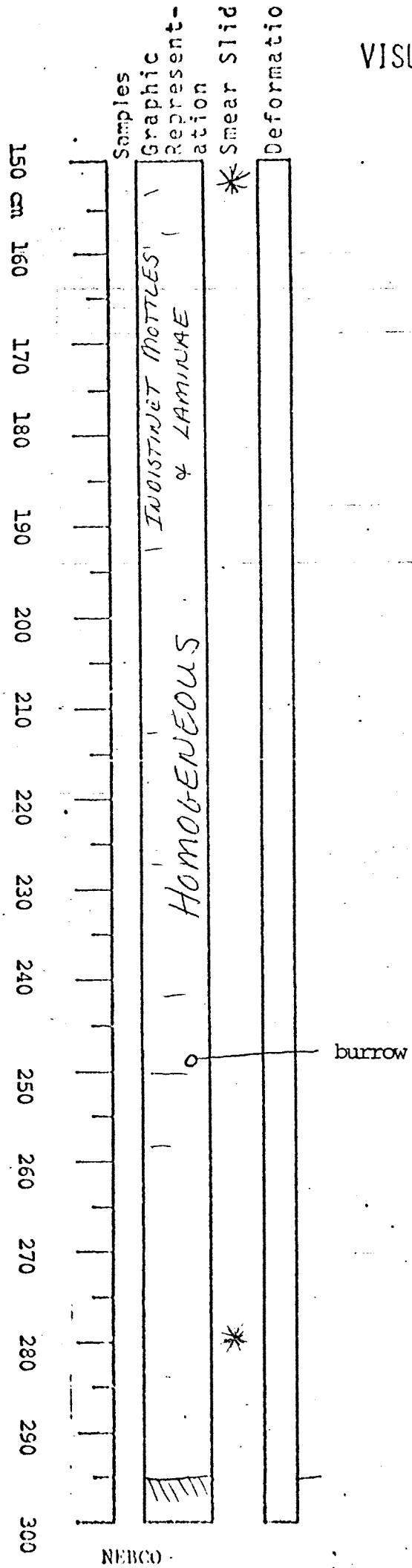
22-295 cm, very homogeneous, olive gray (5Y 4/2) slightly silty clay. No sharp contacts, sand absent or present in trace quantities only. Faint mottling appearance in core below 140 cm. Appears organic in origin, some evidence of geochemical mottling occurs in lower half of core.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.	
S	9	-	7	7	-	N	C		3	1	G		2

STATION#				OBSERVER
	3	1		

See section 1 for description.



SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 31G

STATION NO: 31

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	15-20 cm	Mike Field	USGS	Texture	11/14/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 041° 49.47' N

LONGITUDE: -124° 73.89' W

STATION NO.: 32

LINE NO.: E10A

DAY/MONTH/YEAR

DATE: 12/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
32G	980 m	337 cm		

REMARKS:

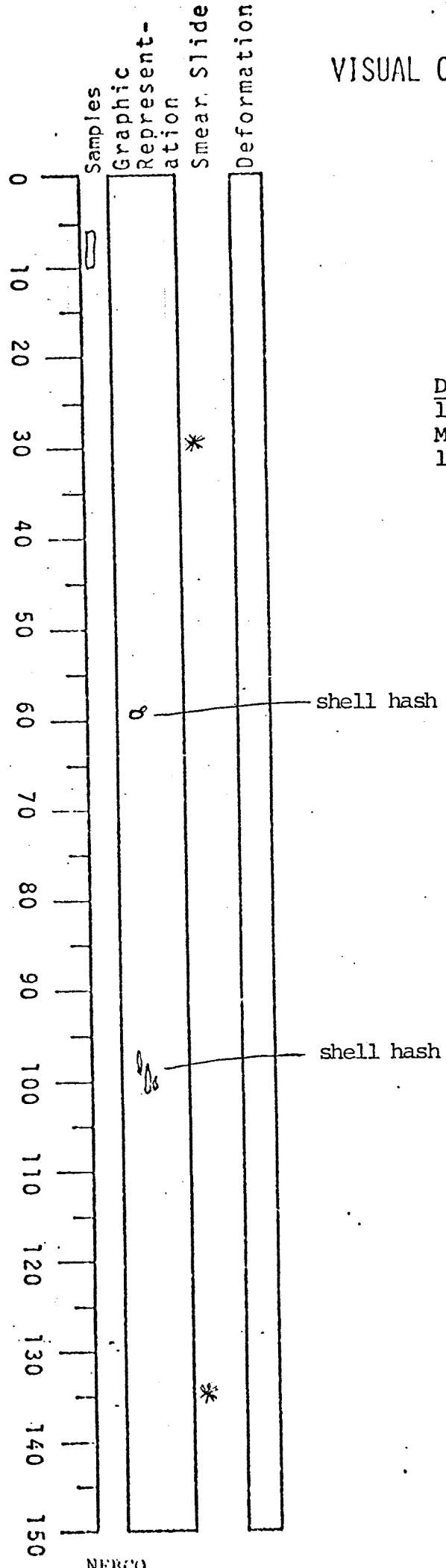
2 core catcher samples each in quart jar

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		3	2	G		1

STATION#				OBSERVER
	3	2		JVG



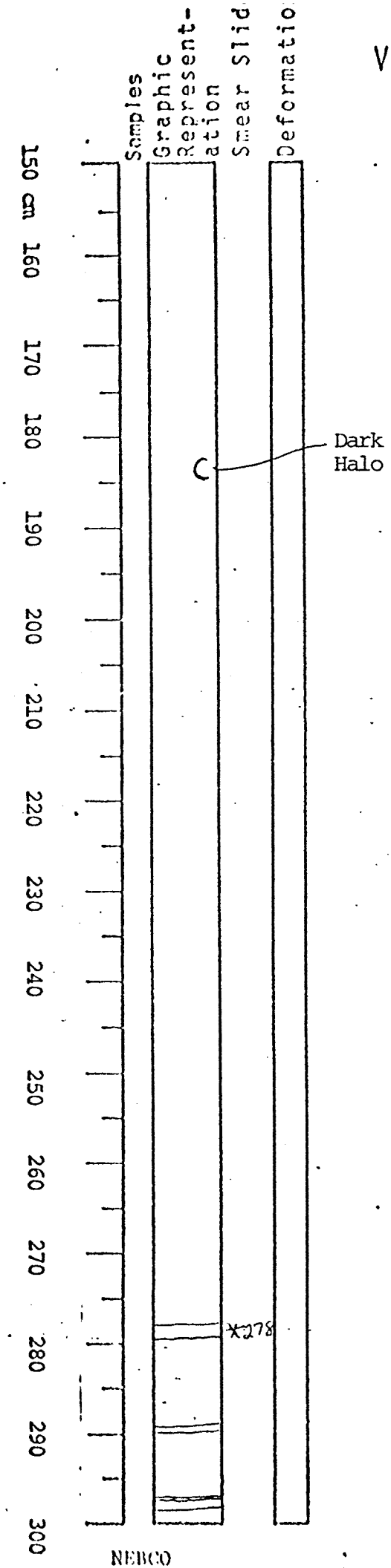
Diatom Clay
light grayish olive (5Y 4/2), homogeneous, Mn streaks and flecks especially around 110 to 120 cm, shell hash at 60 and 100 cm.

NERCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	9	-	7	7	-	N	C			3	2	G		2

STATION#				OBSERVER
	3	2		JVG

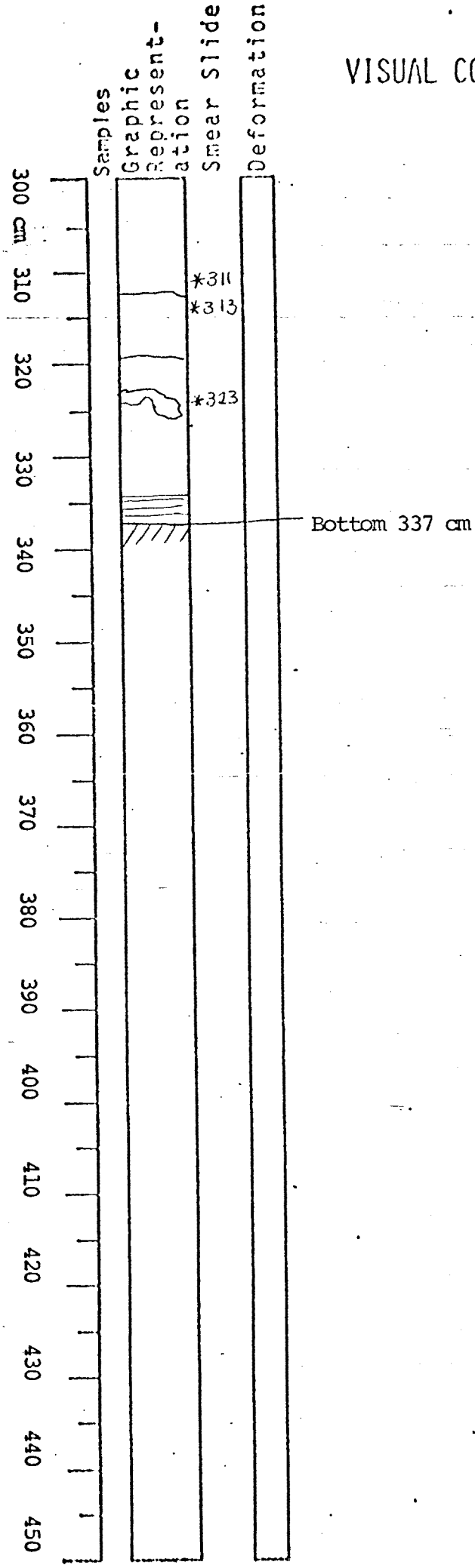


Diatom Clay
light olive gray (5Y 4/2), homogeneous, Mn streaks throughout, with bluish gray (5B 6/1) interbed at 277 to 279 cm - rather fuzzy upper and lower contacts, homogeneous. Bluish gray streaks at about 290 and 298 cm.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	9	-	7	7	-	N	C		3	2	G			3

STATION#				OBSERVER
		3	2	JVG



Diatom Clay
light olive gray (5Y 4/2), thin laminae of bluish gray (5B 6/1) scattered throughout (1-3 mm), zone at 323 cm is much coarser with sharp upper and lower contacts.

323-324 cm
Silty Sand
Dark gray, (N3), no apparent bedding, sharp contacts - may not continue all the way across the core. This lithology is burrowed down into the light olive lithology. May be graded...?

334-337 cm
laminated interval of darker material of 1-3 cm thick

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	32G	1	29 cm	32	X		JVG

Sediment Name: Diatom Clay

ABUNDANCE	TEXTURE	SPECIFIC DATA
	Sand	
	Silt	
A	Clay	
	COMPOSITION	
R	Quartz	
R	Feldspar	
	Mica	
R	Heavy Mnls.	pyroxene/hornblende
	Total Detrital	
	Clay Mnls.	
R	Volc. Glass	clear/brown
	Palagonite	
	Chlorite	
	Glauconite	
	Pyrite	
	Micro Nodules	
	Dolo. Rhombs	
	Zeolite	
	Auth. Carb.	
	Rock Frags.	
C	Amorphous Fe/Mn	
	Foraminifera	
	Calc. Nannos	
A	Diatoms	
R	Radiolarians	fragments
TR	Sponge Spic.	
TR	Silicoflag.	
	Fish Remains	
	Plant Debris	

PER-CENT	DETAILED MINERALOGY

REMARKS:

opal phytolith (1)

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	32G	1	135 cm	32			CH

Sediment Name: Silty Diatom Clay

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
A	Silt		
A	Clay		
	COMPOSITION		
C	Quartz		
C	Feldspar		
R	Mica		
	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
C	Volc. Glass		
R	Palagonite		
TR	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
R	Fe/Mn Spherules		
	Foraminifera		
	Calc. Nannos		
A	Diatoms		
R	Radiolarians		
TR	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

NEBCO

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SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	32G	2	278 cm	32			CH

Sediment Name: Diatom-bearing Silty Clay

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
C	Silt		
A	Clay		
	COMPOSITION		
R	Quartz		
TR	Feldspar		
TR	Mica		
	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
R	Volc. Glass		
R	Palagonite		
TR	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
R	Fe/Mn Spherules		
	Foraminifera		
	Calc. Nannos		
C	Diatoms		
R	Radiolarians		
R	Sponge Spic.		
TR	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	32G	3	311 cm	32			CH

Sediment Name: Diatom Clay

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
R	Silt		
A	Clay		
	COMPOSITION		
R	Quartz		
R	Feldspar		
	Mica		
	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
TR	Volc. Glass		
TR	Palagonite		
TR	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
C	Fe/Mn Spherules		
	Foraminifera		
	Calc. Nannos		
A	Diatoms		
R	Radiolarians		
C	Sponge Spic.		
TR	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	32G	3	313 cm	32			CH

Sediment Name: Diatom-bearing Silty Clay

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
C	Silt		
A	Clay		
	COMPOSITION		
R	Quartz		
R	Feldspar		
	Mica		
	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
TR	Volc. Glass		
TR	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
TR	Fe/Mn Spherules		
TR	Foraminifera		
	Calc. Nannos		
C	Diatoms		
R	Radiolarians		
R	Sponge Spic.		
TR	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	32G	3	323.5 cm	32		X	CH

Sediment Name: Silty Sand

ABUNDANCE	TEXTURE	SPECIFIC DATA	
D	Sand		
A	Silt		
C	Clay		
	COMPOSITION		
A	Quartz		
A	Feldspar		
	Mica		
C	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
R	Palagonite		
TR	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
R	Fe/Mn Spherules		
TR	Foraminifera		
	Calc. Nannos		
	Diatoms		
TR	Radiolarians		
	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 041° 49.21-49.26' N

LONGITUDE: -124° 80.36-80.80' W

STATION NO.: 33

LINE NO.: E10A

DAY/MONTH/YEAR

DATE: 12/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

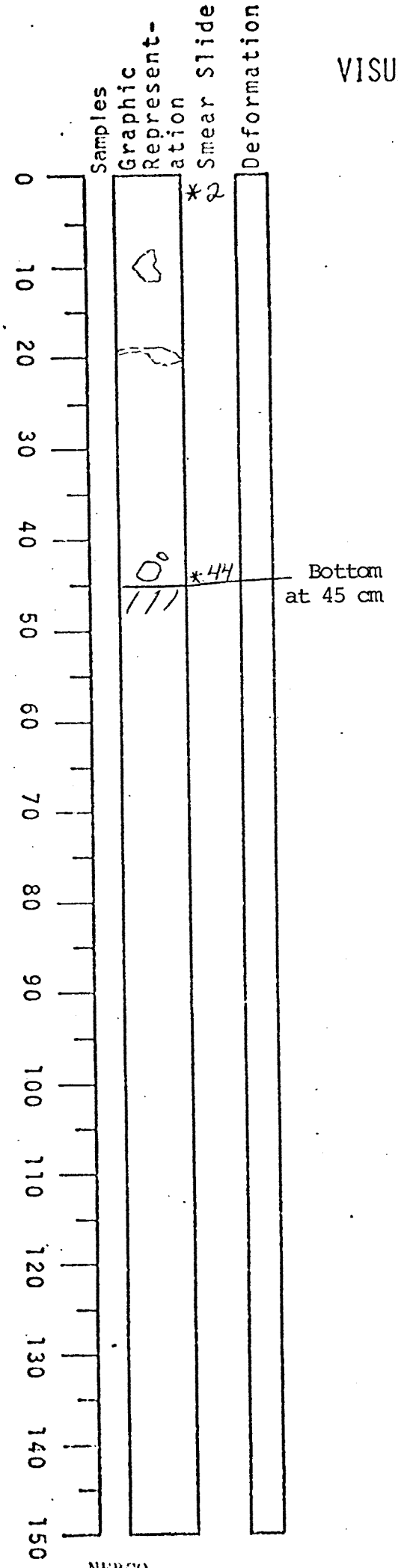
SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
33G1	960 m	45 cm		
33G2	955 m	20 cm		

REMARKS:

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	9	-	7	7	-	N	C			3	3	G	1		1

STATION#				OBSERVER
	3	2		JVG



Grayish olive green (5GY 4/2), homogeneous, mottled zone at 8 cm, and coarse-grained disturbed zone at 43 cm. Flecks of Fe/Mn scattered throughout. Faint hint of laminations at 17-18 cm.

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	33G1	1	2 cm	33	X		JVG

Sediment Name: Diatom-bearing Silty Clay

ABUNDANCE	TEXTURE	SPECIFIC DATA
	Sand	
C	Silt	
C	Clay	
	COMPOSITION	
C	Quartz	
C	Feldspar	
	Mica	
R	Heavy Mnls.	
	Total Detrital	
	Clay Mnls.	
R	Volc. Glass	pale green & clear
	Palagonite	
	Chlorite	
	Glauconite	
	Pyrite	
	Micro Nodules	
	Dolo. Rhombs	
	Zeolite	
	Auth. Carb.	
	Rock Frags.	
	Foraminifera	
	Calc. Nannos	
C	Diatoms	
	Radiolarians	
TR	Sponge Spic.	
TR	Silicoflag.	
R	Fish Remains	
	Plant Debris	

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	33G1	1	44 cm	33		X	JVG

Sediment Name: Nanno-Diatom-bearing Silty Clay

ABUNDANCE	TEXTURE	SPECIFIC DATA	
C	Sand		
C	Silt		
A	Clay		
	COMPOSITION		
	Quartz		
	Feldspar		
	Mica		
	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
TR	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
C	Fe/Mn Flecks		
	Foraminifera		
C	Calc. Nannos		
C	Diatoms		
	Radiolarians		
TR	Sponge Spic.		
	Silicoflag.		
TR	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

NEBCO

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 33G1

STATION NO: 33

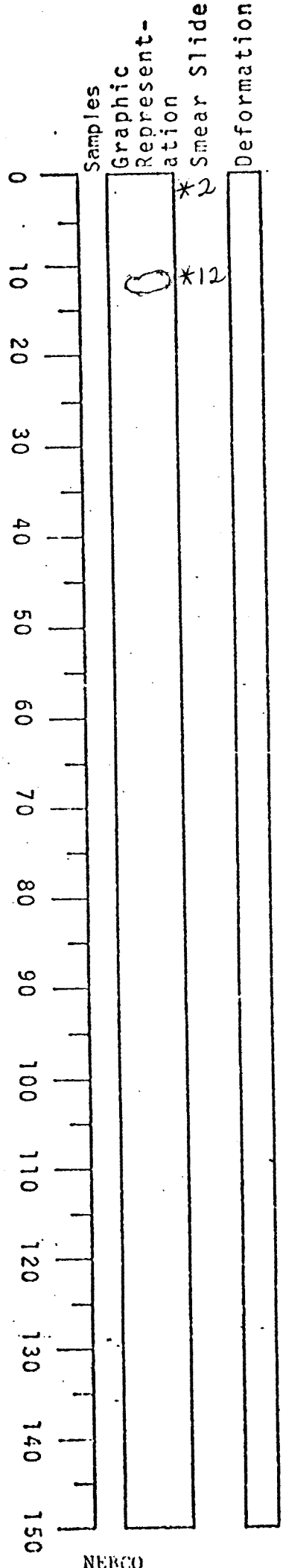
SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-2 cm	Mike Field	USGS	Forams	11/14/77
	0-2 cm	Mike Field	USGS	Grain Size	11/14/77
	2-4 cm	Carol Hirozawa	USGS	Forams	11/14/77
	39-41 cm	Mike Field	USGS	Forams	11/14/77

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		3	3	G	2	1

STATION#				OBSERVER
	3	3		



Sand-Silt-Bearing Diatom Ooze
grayish olive green (5GY 3/2), homogeneous, coarse-grained area at 12 cm in darker color, greenish black (5G 2/1).

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	33G2	1	2 cm	33			FLW

Sediment Name: Sand-Silt-bearing Diatom Ooze

ABUNDANCE	TEXTURE	SPECIFIC DATA
C	Sand	
C	Silt	
	Clay	
	COMPOSITION	
	Quartz	
	Feldspar	
	Mica	
C	Heavy Mnls.	
	Total Detrital	
	Clay Mnls.	
	Volc. Glass	
TR	Palagonite	
	Chlorite	
	Glauconite	
	Pyrite	
	Micro Nodules	
	Dolo. Rhombs	
	Zeolite	
	Auth. Carb.	
	Rock Frags.	
	Foraminifera	
	Calc. Nannos	
A	Diatoms	
R	Radiolarians	
C	Sponge Spic.	
	Silicoflag.	
	Fish Remains	
	Plant Debris	

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	33G2	1	12 cm	33		X	FLW

Sediment Name: _____

ABUNDANCE	TEXTURE	SPECIFIC DATA
A	Sand	fine sand
	Silt	
	Clay	
	COMPOSITION	
C	Quartz	
C	Feldspar	
	Mica	
A	Heavy Mnls.	
	Total Detrital	
	Clay Mnls.	
C	Volc. Glass	colorless & brown
	Palagonite	
	Chlorite	
	Glauconite	
	Pyrite	
	Micro Nodules	
	Dolo. Rhombs	
	Zeolite	
	Auth. Carb.	
	Rock Frags.	
	Foraminifera	
TR	Calc. Nannos	
	Diatoms	
	Radiolarians	
	Sponge Spic.	
	Silicoflag.	
TR	Fish Remains	
	Plant Debris	

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

NEBCO

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 33G2

STATION NO: 33

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	2-4 cm	Mike Field	USGS	Forams	11/14/77
	2-4 cm	Mike Field	USGS	Grain Size	11/14/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 041° 49.27' N

LONGITUDE: -124° 81.54' W

STATION NO.: 34

LINE NO.: E10A

DAY/MONTH/YEAR

DATE: 12/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
34G	945 m	2.1 m		

REMARKS:

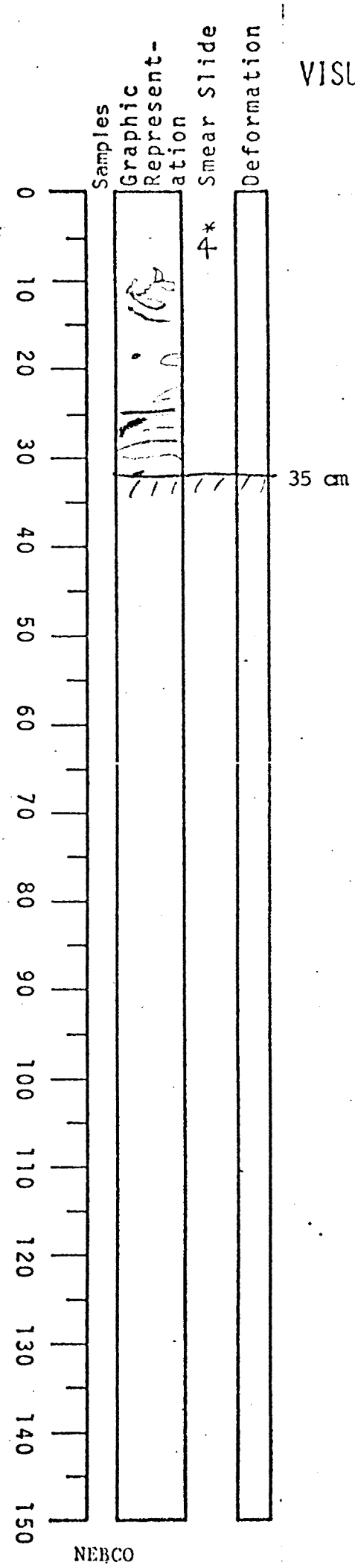
34G - core catcher sample in 8 oz. jar

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		3	4	G		1

STATION#				OBSERVER
	3	4		C.P.



Diatom-bearing Silt

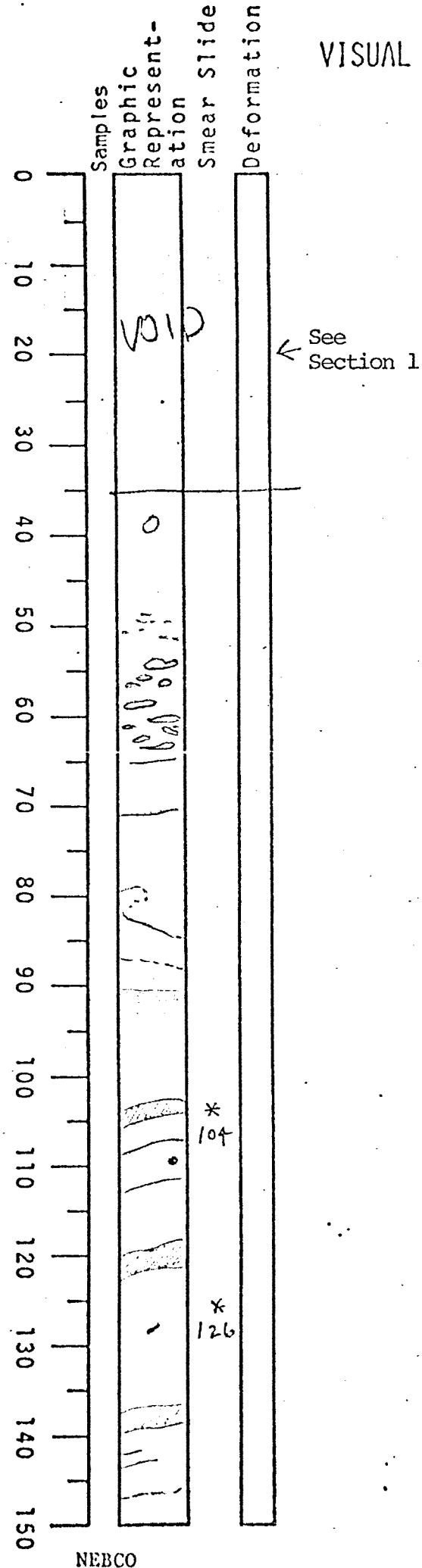
Grayish olive (10Y 4/2) homogeneous but with dark grey (N3) interbeds (about 1 mm thick) from 25 cm to 30 cm. Burrowing from 8 to 11 cm.

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		3	4	G	2

STATION#			OBSERVER
	3	4	JVG



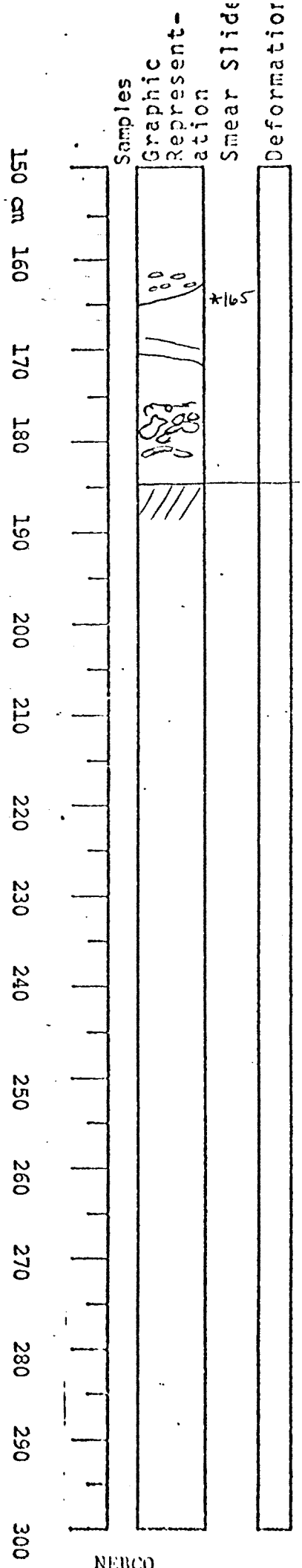
Nanno Clay
grayish olive (10Y 3/2), homogeneous, with thin (1mm to 2cm) interbeds of coarse (?) sand, dark gray (N3). Both top and bottom contacts are sharp but some have a burrowed appearance. Very faint color zones appear at 83 cm to 86 cm and surrounding the dark gray silt interbeds. Mn/Fe flecks and streaks throughout.

Section 2 continued on next page.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		3	4	G		2

STATION#				OBSERVER
		3	4	JVG



Continuation of description of section 2

color change to light olive gray (5Y 5/2) at 162 to 164 cm.

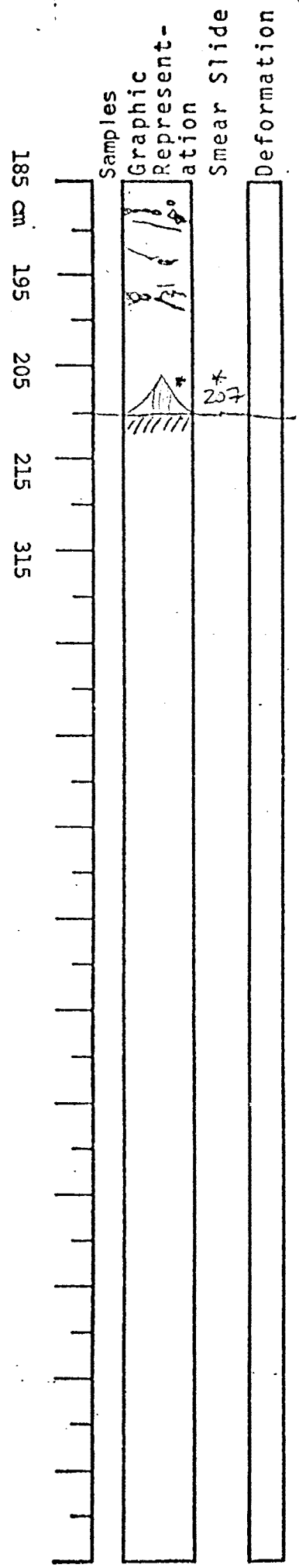
Silt-Nanno-bearing Diatom Clay

light olive gray (5Y 5/2), homogeneous, no apparent structures, burrowing or laminations.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		3	4	G		3

STATION#				OBSERVER
	3	4		C.P.



Diatom-bearing Silty Nanno Clay
grayish olive (10Y 4/2), homogeneous with dark gray (N3) interbeds, 2 mm thick at 188 and 197 cm.

Core catcher hole at 205-210 cm.

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	34G	1	4 cm	34	X		JVG

Sediment Name: Diatom-bearing Silt

ABUNDANCE	TEXTURE	SPECIFIC DATA	
C	Sand		
A	Silt		
	Clay		
	COMPOSITION		
C	Quartz		
C	Feldspar		
	Mica		
C	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
C	Diatoms		
R	Radiolarians		
	Sponge Spic.		
R	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	34G	2	104 cm	34		X	JVG

Sediment Name: Silt

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
A	Silt		
	Clay		
	COMPOSITION		
C	Quartz		rutilated in part
C	Feldspar		
	Mica		
C	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
TR	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
C	Fe/Mn Spherules		
	Foraminifera		
	Calc. Nannos		
R	Diatoms		
	Radiolarians		
	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	34G	2	126 cm	34	X		JVG

Sediment Name: Nanno Clay

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
R	Silt		
A	Clay		
	COMPOSITION		
R	Quartz		
R	Feldspar		
	Mica		
R	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
R	Fe/Mn flecks and spherules		
TR	Foraminifera		
A	Calc. Nannos		
R	Diatoms		
TR	Radiolarians		
	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	34G	2	165 cm	34		X	JVG

Sediment Name: Silt-Nanno-bearing Diatom Clay

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
C	Silt		
A	Clay		
	COMPOSITION		
R	Quartz		
R	Feldspar		
	Mica		
R	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Fe/Mn flecks and spherules		
TR	Foraminifera		
C	Calc. Nannos		
A	Diatoms		
	Radiolarians		
TR	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	34G	3	207 cm	34	X		JVG

Sediment Name: Diatom-bearing Silty Nanno Clay

ABUNDANCE	TEXTURE	SPECIFIC DATA	
R	Sand		
A	Silt		
A	Clay		
	COMPOSITION		
R	Quartz		
R	Feldspar		
	Mica		
	Heavy Mnls.		
A	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
TR	Pyrite XL		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
R	Fe/Mn Spherules		
TR	Foraminifera		
A	Calc. Nannos		
C	Diatoms		
	Radiolarians		
	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

NEBCO

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 34G

STATION NO: 34

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-3 cm	Mike Field	USGS	Grain Size	11/19/77
	30-32 cm	Mike Field	USGS	Grain Size	11/19/77
2	35-38 cm	Mike Field	USGS	Forams	11/19/77
	35-38 cm	Mike Field	USGS	Grain Size	11/19/77
3	205-207 cm	Mike Field	USGS	Forams	11/19/77
	205-207 cm	Mike Field	USGS	Grain Size	11/19/77

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 041° 48.03' N

LONGITUDE -124° 82.74' W

STATION NO. 35

LINE NO. E10A

DAY/MONTH/YEAR

DATE 12/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
35G	862 m	0.05 m		

REMARKS:

Core Catcher sample only

NEBOO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 041° 48.28' N

LONGITUDE: -124° 83.81' W

STATION NO.: 36

LINE NO.: E10A

DAY/MONTH/YEAR

DATE: 12/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
36G	780 m	0.30 m		

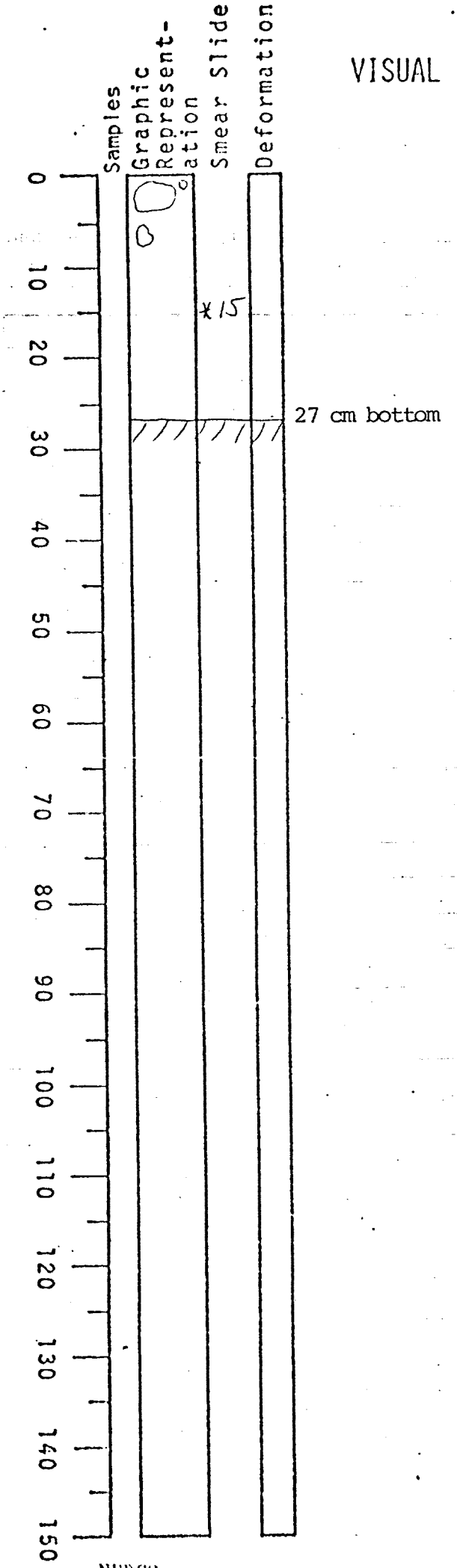
REMARKS:

Two core catcher samples, each in 1 qt. jar

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C			3	6	G	1

STATION#				OBSERVER
	3	6		JVG



Large rock in top of core. Appears to be a siltstone with a phosphate coating. Broken-in-two onboard to examine.

Sediment: dark greenish gray (5GY 4/1), homogeneous with no apparent structures, burrows or interbeds.

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	36G		CC	36			FLW

Sediment Name: Diatom Ooze

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
C	Silt		
C	Clay		
	COMPOSITION		
	Quartz		
R	Feldspar		
	Mica		
	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
A	Diatoms		
	Radiolarians		
C	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

NEBCO

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 36G

STATION NO: 36

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	5-7 cm	Mike Field	USGS	Grain Size	11/14/77

NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 041° 48.34' N

LONGITUDE -124° 84.19' W

STATION NO. 37

LINE NO. E10A

DAY/MONTH/YEAR

DATE 12/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
37G	770 m	Core Catcher Only		

REMARKS:

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	37G		CC	37			FLW

Sediment Name: Carbonate (?) Clay

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
	Silt		
	Clay		
	COMPOSITION		
	Quartz		
	Feldspar		
	Mica		
	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
	Diatoms		
	Radiolarians		
	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

Carbonate mud or crystalline clay - all patches are moderately high in birefringence.

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 041° 48.41' N

LONGITUDE -124° 87.25' W

STATION NO. 38

LINE NO. E10A

DAY/MONTH/YEAR

DATE 12/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
38G	910 m	2.47 m		

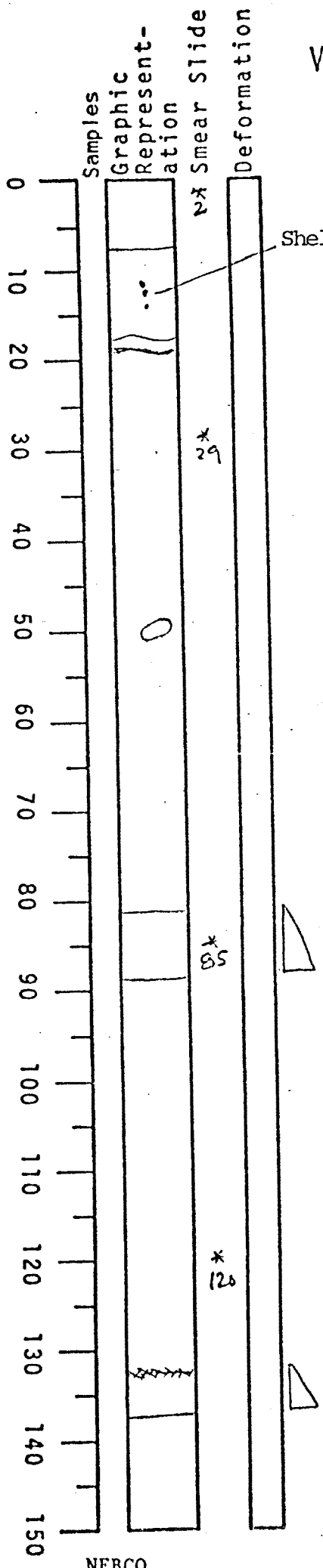
REMARKS:

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		3	8	G	1

STATION#				OBSERVER
	3	8		JVG



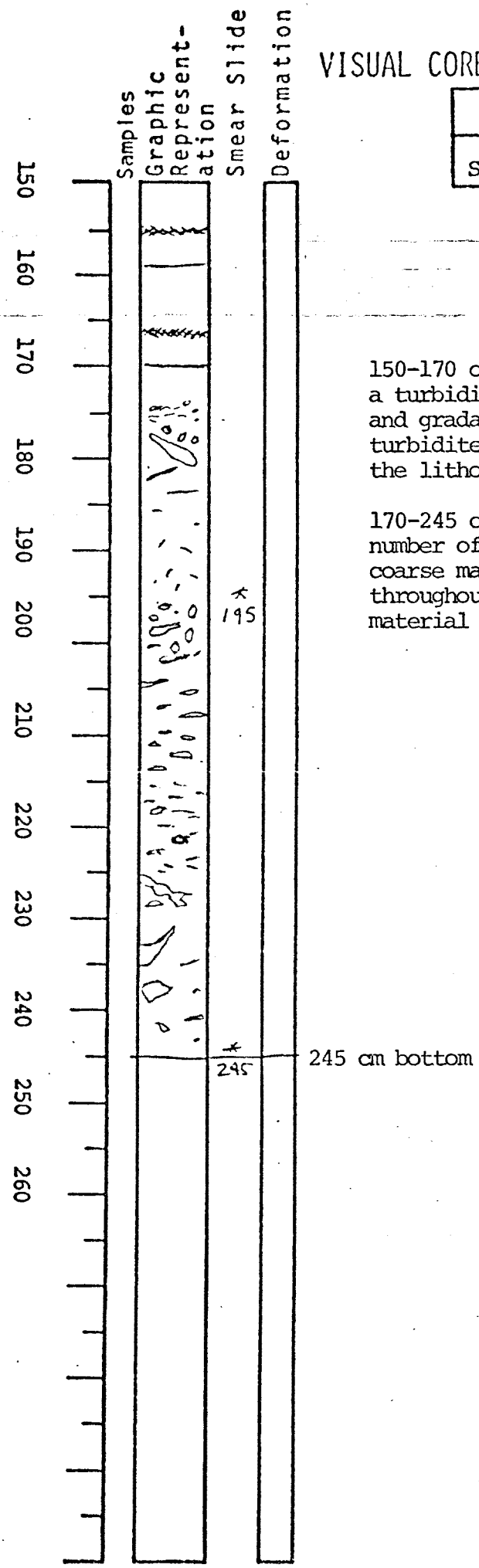
0-7 cm, olive gray (5Y 3/2), homogeneous, flecks of darker gray black (Fe/Mn?) throughout, contact with next lower lithology sharp.

7-150 cm, grayish olive (10Y 4/2), faint laminations throughout, usually of a dark bluish gray (5B 4/1) color, at 18-19 cm, 32 cm, 69-72 cm and just above turbidites at 81-82 cm and 133-134 cm. Flecks and streaks of Fe/Mn common throughout. Turbidites at 81-88 cm and 133-137 cm. The turbidite at 81-88 cm has sharp upper and lower contacts but grading is apparent. Turbidite at 133 to 137 cm has gradation upper contact and sharp lower one. Shell hash (mollusc) at 13 to 15 cm.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		3	8	G		2

STATION#				OBSERVER
	3	8		JVG



150-170 cm, same as lithology 7-150 cm with a turbidite at 155-159 cm with sharp lower and gradational upper contacts and an apparent turbidite at 167-170 cm. Below this turbidite the lithology is more complicated.

170-245 cm, grayish olive (10Y 4/2), with a number of broken pods (disrupted interbeds) of coarse material, flecks and streaks of Fe/Mn throughout, very minor flecks of whitish material which may be mollusc fragments.

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	38G1	1	2 cm	38			FLW

Sediment Name: Sandy Diatom Ooze

ABUNDANCE	TEXTURE	SPECIFIC DATA	
A	Sand		
	Silt		
	Clay		
	COMPOSITION		
C	Quartz		
C	Feldspar		
	Mica		
C	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
A	Diatoms		
TR	Radiolarians		
C	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	38G1	1	29 cm	38			FLW

Sediment Name: Diatom Ooze

ABUNDANCE	TEXTURE	SPECIFIC DATA	
R	Sand		
	Silt		
	Clay		
	COMPOSITION		
TR	Quartz		
TR	Feldspar		
	Mica		
	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
TR	Foraminifera		
	Calc. Nannos		
A	Diatoms		
	Radiolarians		
	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	38G1	1	85 cm	38		X	FLW

Sediment Name: Fine Sand

ABUNDANCE	TEXTURE	SPECIFIC DATA	
D	Sand		Fine Sand
	Silt		
	Clay		
	COMPOSITION		
C	Quartz		
C	Feldspar		
	Mica		
	Heavy Mnls.		
C	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
	Diatoms		
	Radiolarians		
	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	38G1	1	120 cm	38			FLW

Sediment Name: Silt-bearing Diatom Ooze

ABUNDANCE	TEXTURE	SPECIFIC DATA
	Sand	
C	Silt	
	Clay	
	COMPOSITION	
	Quartz	
	Feldspar	
	Mica	
	Heavy Mnls.	
	Total Detrital	
	Clay Mnls.	
	Volc. Glass	
	Palagonite	
	Chlorite	
	Glauconite	
	Pyrite	
	Micro Nodules	
	Dolo. Rhombs	
	Zeolite	
	Auth. Carb.	
	Rock Frags.	
	Foraminifera	
	Calc. Nannos	
A	Diatoms	
	Radiolarians	
	Sponge Spic.	
	Silicoflag.	
	Fish Remains	
	Plant Debris	

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	38G	2	195 cm	38			FLW

Sediment Name: Sand-bearing Clay

ABUNDANCE	TEXTURE	SPECIFIC DATA	
R	Sand		
	Silt		
C	Clay		
	COMPOSITION		
	Quartz		
	Feldspar		
	Mica		
	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
TR	Foraminifera		
	Calc. Nannos		
C	CO_3 Shell Fragments		
	Diatoms		
	Radiolarians		
	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	38G	2	245 cm	38			FLW

Sediment Name: Foram-Nanno-bearing Fine Sand

ABUNDANCE	TEXTURE	SPECIFIC DATA	
C	Sand		
C	Silt		
	Clay		
	COMPOSITION		
R	Quartz		
R	Feldspar		
	Mica		
C	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
C	Foraminifera		
C	Calc. Nannos		
	Diatoms		
	Radiolarians		
	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 38G

STATION NO: 38

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	3-5 cm	Mike Field	USGS	Grain Size	11/14/77
2	242-244 cm	Mike Field	USGS	Biostrat.	11/14/77

NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 041° 47.47-47.48' N

LONGITUDE -124° 91.31-90.94' W

STATION NO. 39

LINE NO. E10A

DAY/MONTH/YEAR

DATE 12/11/77

TYPE OF STORAGE (check one)

	X	
DRY	COLD	FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
39G1	610 m	Core Catcher Only		
39G2	600 m	One Vial of Sand		

REMARKS:

NEBOO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	39G		CC	39			FLW

Sediment Name: Silty Clay

ABUNDANCE	TEXTURE	SPECIFIC DATA	
R	Sand		
C	Silt		
A	Clay		
	COMPOSITION		
TR	Quartz		
TR	Feldspar		
	Mica		
TR	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
	Diatoms		
	Radiolarians		
	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 041° 47.01' N

LONGITUDE -124° 92.87' W

STATION NO. 40

LINE NO. E10A

DAY/MONTH/YEAR

DATE 12/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
40G	660 m	Core Catcher Only		

REMARKS:

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	40G		CC	40			FLW

Sediment Name: Diatom-bearing Silty Clay

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
C	Silt		
A	Clay		
	COMPOSITION		
R	Quartz		
	Feldspar		
	Mica		
R	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
R	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
C	Diatoms		
	Radiolarians		
	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 041° 47.27' N

LONGITUDE: -124° 93.49' W

STATION NO.: 41

LINE NO.: E10A

DAY/MONTH/YEAR

DATE: 12/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
41G	700 m	0.92 m		

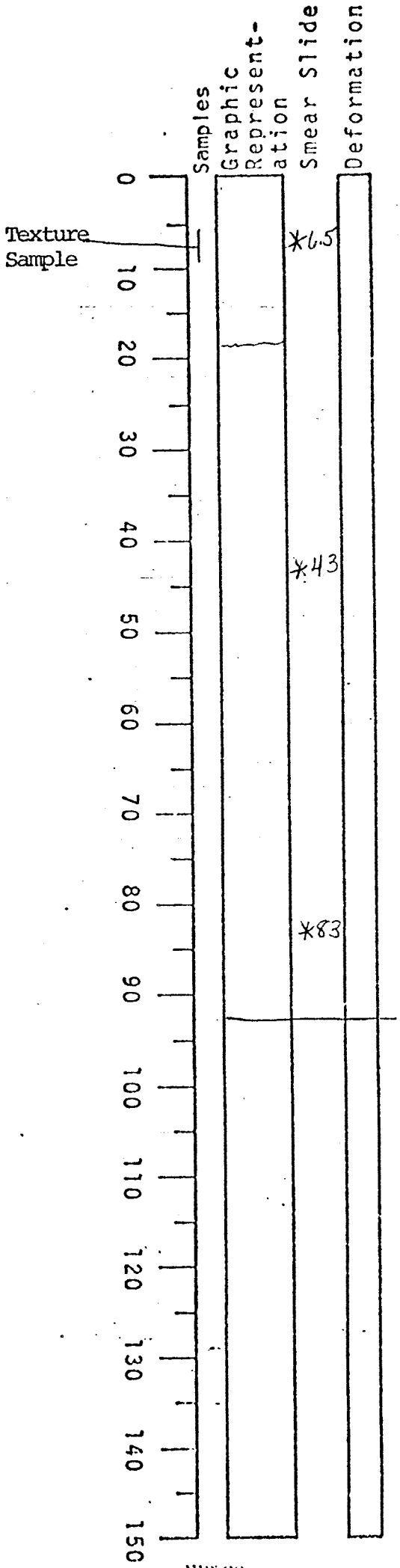
REMARKS:

Core catcher in 8 oz. jar.

VISUAL CORE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.
S 9 - 7 7 - N C	4 1 G	1

STATION#	OBSERVER
4 1	TH



92 cm - cone of medium to coarse, sub-angular to subrounded, well sorted, foraminiferal sand.

Olive black (5Y 2/2) segments at 1 to 7 cm, 32 to 35 cm, 41 to 45 cm, 46 to 49 cm, 68.5 to 75 cm which are relatively poor in clay

Laminated-like segments at 7-18 cm, 26-31 cm, 35-41 cm, 49-58 cm, 61-68 cm and 75-86 cm over or underlie darker & lighter areas with generally vague transition zones

Light olive gray (5Y 5/2) zones occur at 18-25 cm, 45-47 cm, & 57-61 cm, seem richer in clay material

Suggestion of gradational characteristics in segments 18-32 cm, & 53-61 cm seg.

Most segments have vaguely defined color transition zones, though there appears to be a faintly distinct contact at 18 cm

Macroscopic foram-content seems evenly distributed & independent of color of segment. Color differences appear due to relative clay content.

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	41G	1	6.5 cm	41			FLW

Sediment Name: Foram Sand

ABUNDANCE	TEXTURE	SPECIFIC DATA	
D	Sand		coarse sand
	Silt		
R	Clay		as matrix
	COMPOSITION		
TR	Quartz		
TR	Feldspar		
	Mica		
	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
TR	Volc. Glass		1 large fragment
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
A	Foraminifera		
	Calc. Nannos		
	Diatoms		
	Radiolarians		
	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

Forams replaced entirely by pyritiferous glauconite - black color

Fine fraction not examined because slide too thick

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	41G	1	43 cm	41			FLW

Sediment Name: Foram Sand

ABUNDANCE	TEXTURE	SPECIFIC DATA	
A	Sand		Matrix
	Silt		
	Clay		
	COMPOSITION		
C	Quartz		
C	Feldspar		
	Mica		
C	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
A	Foraminifera		
	Calc. Nannos		
	Diatoms		
	Radiolarians		
	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

glauconite-replaced forams & fresh ones

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	41G	1	83 cm	41			FLW

Sediment Name: _____

ABUNDANCE	TEXTURE	SPECIFIC DATA	
A	Sand		Matrix
	Silt		
C	Clay		
	COMPOSITION		
R	Quartz		
R	Feldspar		
	Mica		
TR	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
A	Foraminifera		replaced by glauconite
	Calc. Nannos		
	Diatoms		
	Radiolarians		
	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 41G

STATION NO: 41

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	5-10 cm	Mike Field	USGS	Texture	11/15/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 041° 46.97' N

LONGITUDE: -124° 95.00' W

STATION NO.: 42

LINE NO.: E10A

DAY/MONTH/YEAR

DATE: 12/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
42G	990 m	192 cm		

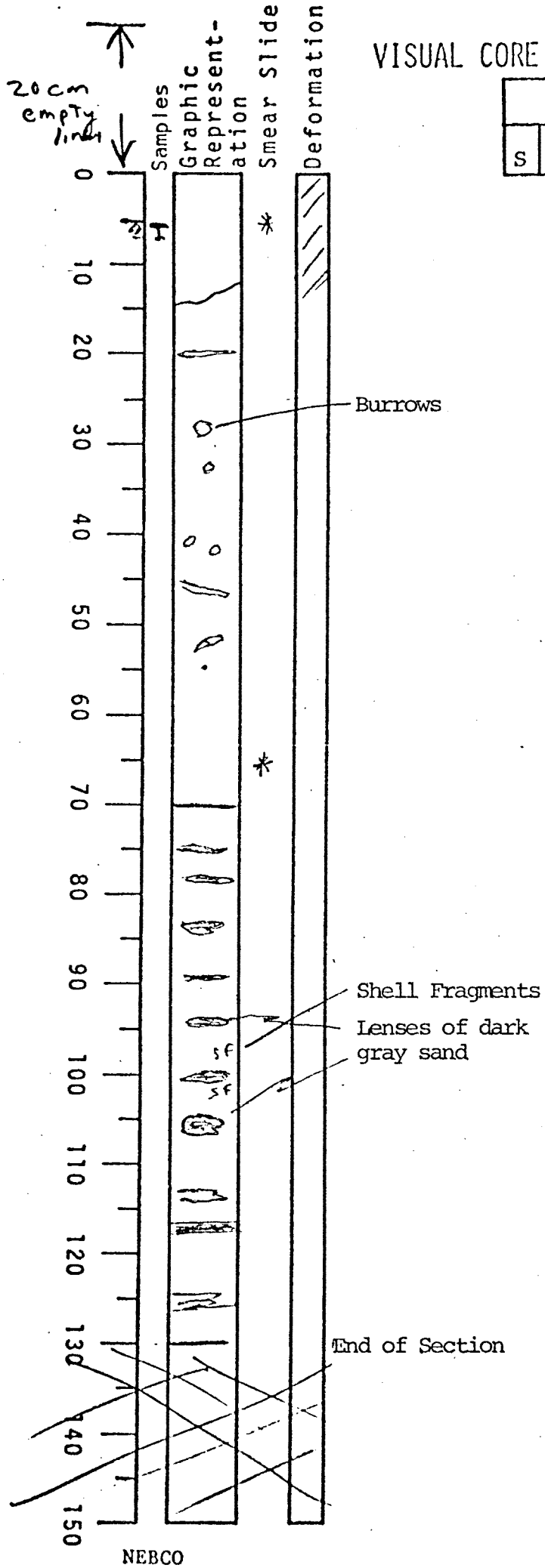
REMARKS:

Core catcher in 8 oz. jar

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		4	2	G		1

STATION#				OBSERVER
	4	2		MEF



Note: section 1 = 130 cm of core
section 2 = 62 cm of core
Core is 192 cm, not 212 cm

Core is 192 cm long with two contacts at 9 and 70 cm

0-9 cm, olive gray brown clayey sandy silt. Sand fraction is foram rich, detrital grains common. A 2 cm thick lens of silty sand from 7-9 cm. Lens and other structures in this section may be result of coring. Lower contact distinct and deformed.

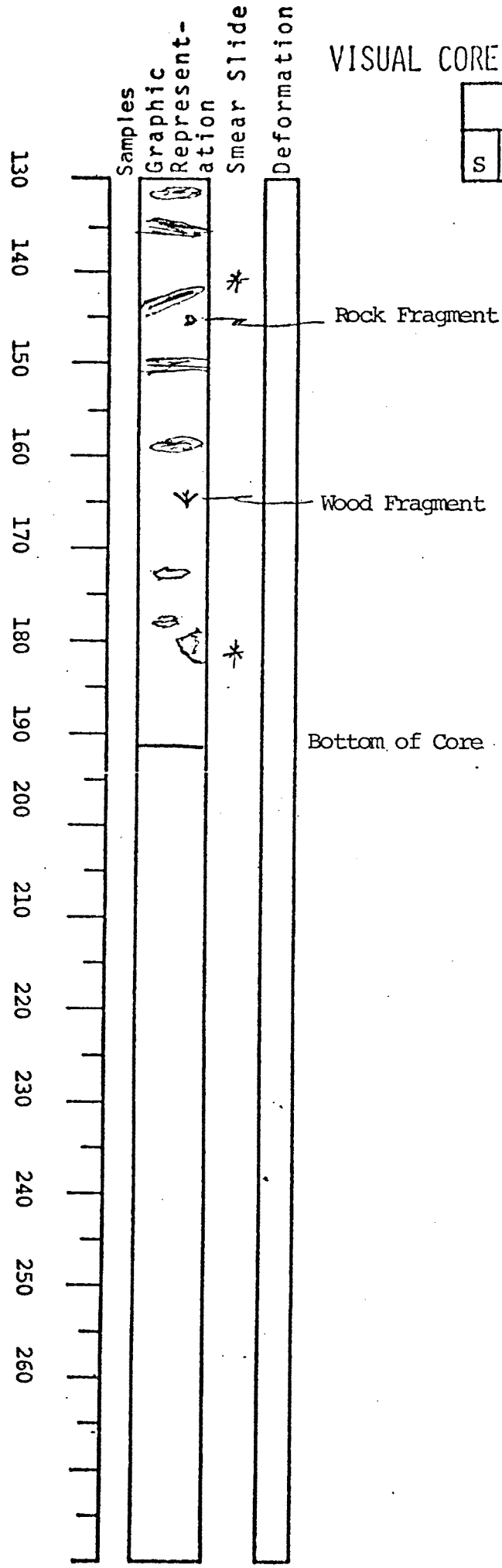
9-70 cm, grayish olive (10Y 5/4) foram-bearing, slightly sandy, clayey silt. Lenses of coarser grains common. Differs from upper unit in color and structure. Circular, eliptical, and lens shaped burrows are common. Contact with lower unit is distinct but not sharp, and is concave up.

70-192 cm, grayish olive foram-bearing muddy very fine sand with numerous ½ to 2 cm laminae and lenses of poorly sorted silty fine to medium sand. Grains are forams and mostly glauconite casts of benthic forams. Some are coated with iron sulfide (pyrite), other sulfide derivative may be present. Large grains (greater than 2 mm) occur at 147, 158, 182 cm, wood fragment occurs at 165 cm in archive half. The large grains appear to be a Fe/Mn product.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.	
S	9	-	7	7	-	N	C		4	2	G		2

STATION#				OBSERVER
	4	2		MEF



NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	42G	1	5 cm	42			FLW

Sediment Name: Sandy Diatom Ooze

ABUNDANCE	TEXTURE	SPECIFIC DATA	
C	Sand		
	Silt		
	Clay		
	COMPOSITION		
	Quartz		
	Feldspar		
	Mica		
C	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
A	Diatoms		
	Radiolarians		
C	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	42G	1	66 cm	42			FLW

Sediment Name: Sandy Biogenic Ooze

ABUNDANCE	TEXTURE	SPECIFIC DATA	
C	Sand		
	Silt		
A	Clay		
	COMPOSITION		
R	Quartz		
R	Feldspar		
	Mica		
	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
R	Foraminifera		glauconite replaced
	Calc. Nannos		
A	CO_3 Shell Fragments		
	Diatoms		
	Radiolarians		
	Sponge Spic.		
	Silicoflag.		
C	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	42G	2	141 cm	42			FLW

Sediment Name: Clayey Sand

ABUNDANCE	TEXTURE	SPECIFIC DATA	
C	Sand		
	Silt		
C	Clay		
	COMPOSITION		
C	Quartz		
	Feldspar		
	Mica		
C	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
TR	Foraminifera		
	Calc. Nannos		
	Diatoms		
	Radiolarians		
	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	42G	2	181 cm	42			FLW

Sediment Name: Sandy Clay

ABUNDANCE	TEXTURE	SPECIFIC DATA	
C	Sand		
	Silt		
C	Clay		
	COMPOSITION		
R	Quartz		
	Feldspar		
	Mica		
	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
R	Foraminifera		
	Calc. Nannos		
	Diatoms		
	Radiolarians		
	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

NEBCO

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 42G

STATION NO: 42

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	5-10 cm	Mike Field	USGS	Texture	11/15/77

NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 041° 46.55' N

LONGITUDE -125° 01.17' W

STATION NO. 43

LINE NO. E10A

DAY/MONTH/YEAR

DATE 12/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
43G	1515 m	3.07 m		

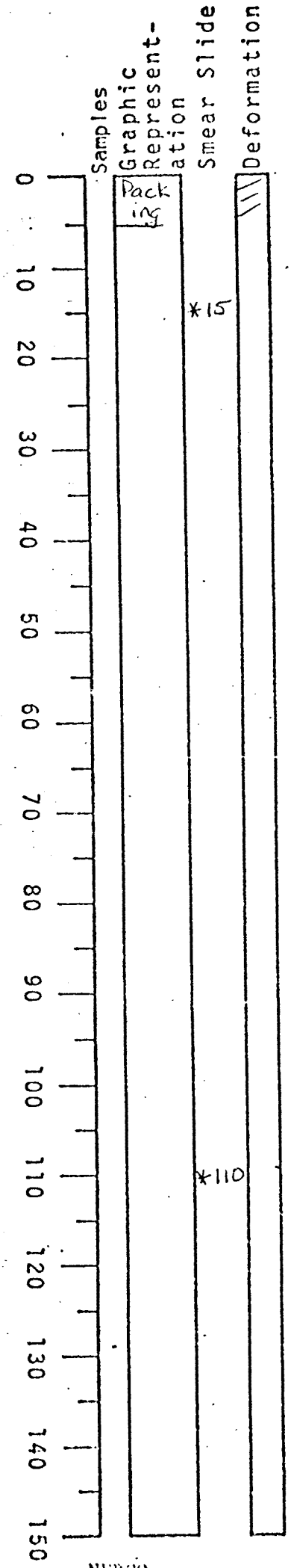
REMARKS:

Core catcher in qt. jar

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		4	3	G		1

STATION#				OBSERVER
		4	3	MEF



3 Sections: 1 - 150 cm
2 - 150 cm
3 - 8 cm

This core contains 308 cm of the same type of sediment with only one minor change; contact at 160 cm

0-160 cm, moderate olive brown clayey fine silt no apparent internal structure except for dark Fe/Mn burrows and laminae between 120 and 140 cm. Lower contact is sharp and convex up

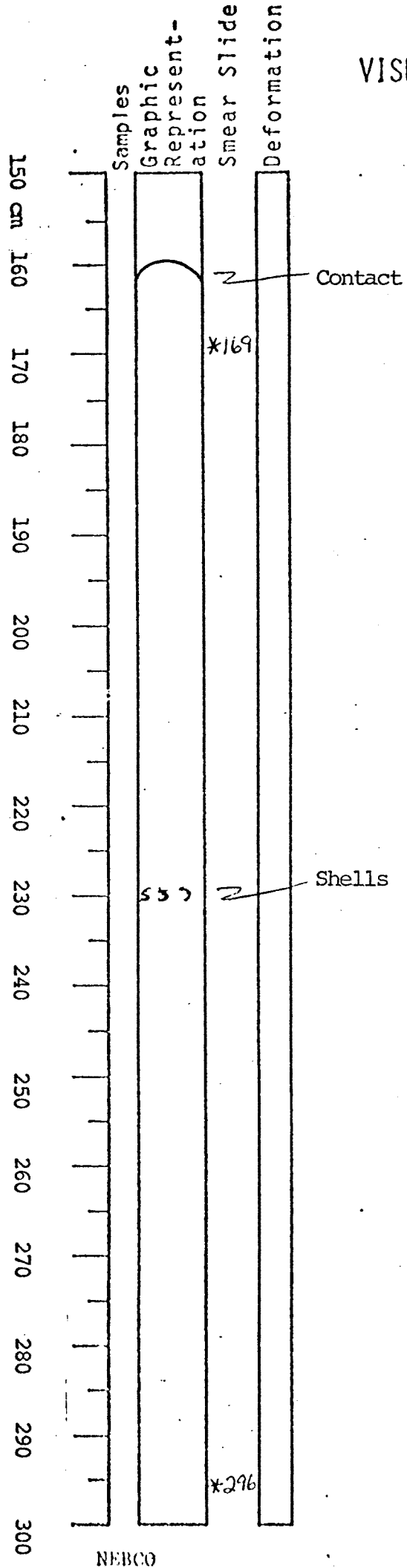
160-308 cm, similar to above but slightly finer grained. Shell fragments at 230 cm. Smaller grains in zones (1-2 cm) distributed throughout, probably represents Fe/Mn rich sediments. Some are solid, others smear when scraped.

See Smear Slide description.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		4	3	G			2

STATION#			OBSERVER
	4	3		MEF

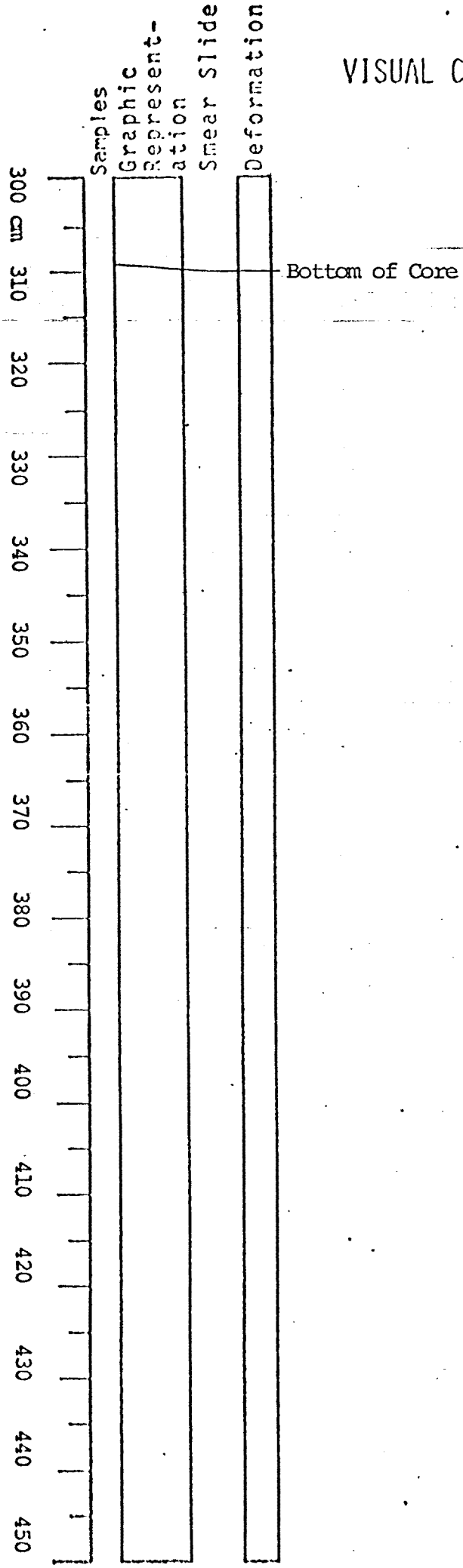


NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.	
S	9	-	7	7	-	N	C		4	3	G		3

STATION#				OBSERVER
4	3			MEF



SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	43G	1	15 cm	43			FLW

Sediment Name: Diatom Ooze

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
R	Silt		
	Clay		
	COMPOSITION		
	Quartz		
	Feldspar		
	Mica		
	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
D	Diatoms		
	Radiolarians		
C	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	43G	1	110 cm	43			FLW

Sediment Name: Diatom Ooze

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
R	Silt		
	Clay		
	COMPOSITION		
	Quartz		
	Feldspar		
	Mica		
	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
D	Diatoms		
	Radiolarians		
C	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	43G	2	169 cm	43			FLW

Sediment Name: Biogenic Ooze

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
	Silt		
	Clay		
	COMPOSITION		
	Quartz		
	Feldspar		
	Mica		
	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
TR	Rock Frags.		
C	Foraminifera		
C	Calc. Nannos		
C	CO_3 Shell Fragments		
C	Diatoms		
C	Radiolarians		
	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	43G	2	296 cm	43			FLW

Sediment Name: Diatom Ooze

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
	Silt		
	Clay		
	COMPOSITION		
	Quartz		
	Feldspar		
	Mica		
	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
TR	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
A	Diatoms		
C	Radiolarians		
C	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

NEBCO

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 43G

STATION NO: 43

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	5-10 cm	Mike Field	USGS	Texture	11/15/77
1	10-12 cm	Mike Field	USGS	Forams	11/15/77
2	150-152 cm	Mike Field	USGS	Texture	11/15/77
2	153-155 cm	Mike Field	USGS	Forams	11/15/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 041° 65.57' N

LONGITUDE: -125° 00.39' W

STATION NO.: 44

LINE NO.: E6A

DAY/MONTH/YEAR

DATE: 13/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
44G	1075 m	328.5 cm		

REMARKS:

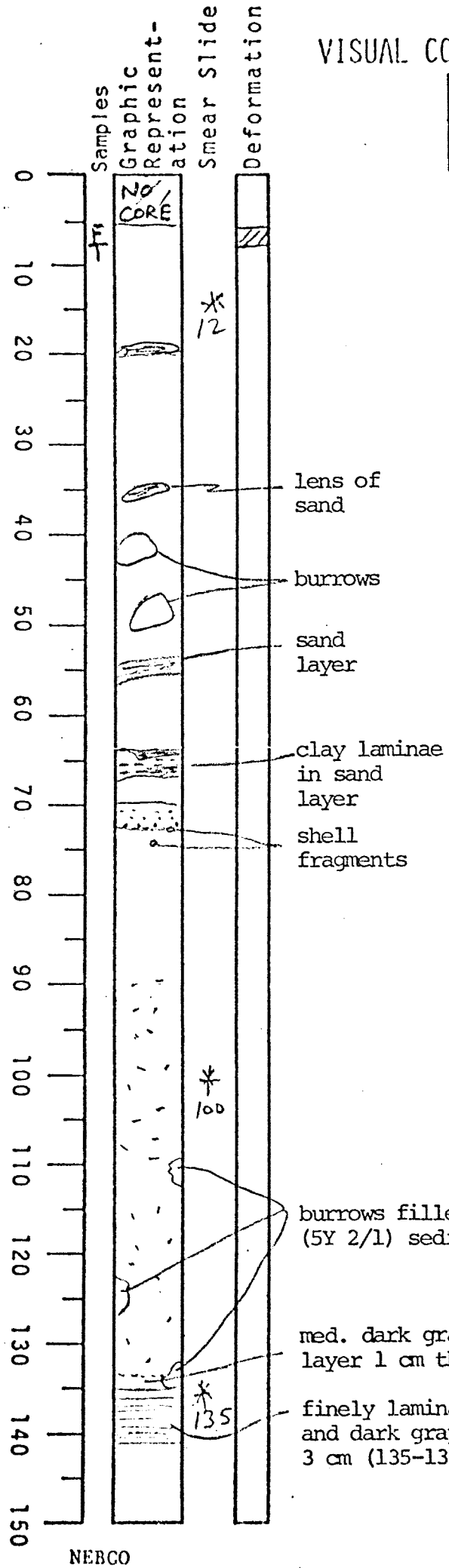
3 Sections

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		4	4	G		1

STATION#				OBSERVER
	4	4		MEF



Smear Slide at 12 cm is a Diatom Silty Clay

Note: The bottom section of this core resembles the lower half of 42G (line #E10A) in color and lithology and structure, test for genetic relation.

0-5 cm, packing material

5-22 cm, grayish brown muddy foram-bearing detrital fine sand. Appears resedimented. 1 cm round foram-rich burrow at 20 cm.

22-23 cm, light brown laminae of foram-rich muddy fine sand

23-24 cm, dark lens of foram-rich fine sand

Below 24 cm the core is divisible into 2 major units. The boundary between the two is indistinct and arbitrarily placed at about 285 cm

Smear Slide at 100 cm is Nanno Clay

90-135 cm, spots of black organics in olive gray (5Y 4/2) clay

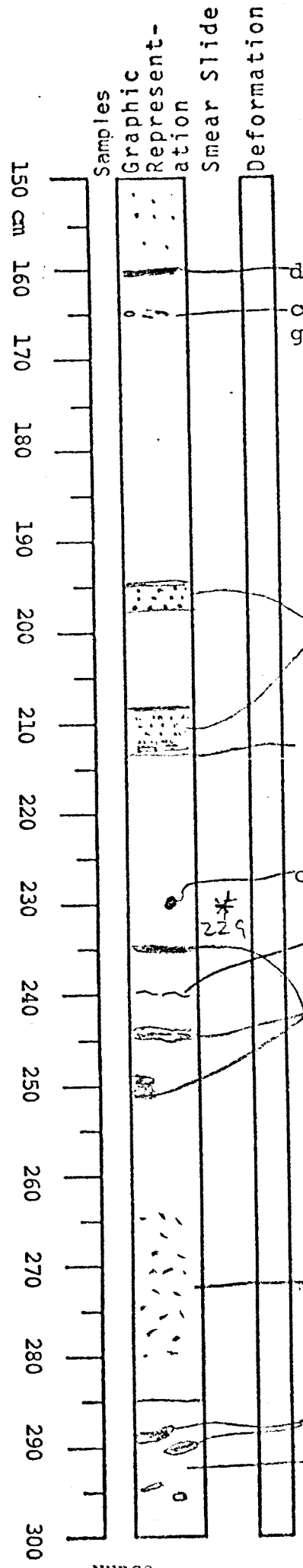
Smear Slide at 135 cm is Silty Sand

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.
S 9 - 7 7 - N C	4 4 G	2

STATION#	OBSERVER
4 4	MEF



dark sandy lens, no sharp contacts

celophane type walled critter of unknown genera - appears sporatically throughout core

dark, sandy beds, fining upward

thin clay laminae at bottom

organic debris - wood?

same unknown critter as at 165 cm

dark sandy indistinct lenses

Smear Slide at 229 cm is a Diatom-bearing Nanno Clay

Burrows

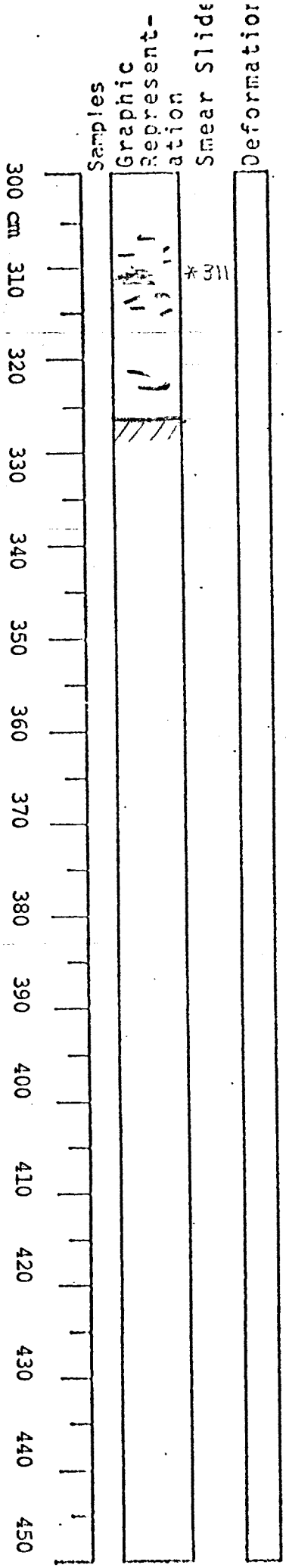
dark, sandy foraminiferal lenses

olive gray (5Y 4/2) clay with sand, silt, forams and shell fragments

VISUAL CORE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.
S 9 - 7 7 - N C	4 4 G	3

STATION#	OBSERVER
4 4	MEF



Bottom of core

Smear Slide at 311 cm is a Nanno-bearing Clay

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	44G	1	12.5 cm	44	X		JVG

Sediment Name: Diatom Silty Clay

ABUNDANCE	TEXTURE	SPECIFIC DATA	
C	Sand		
A	Silt		
A	Clay		
	COMPOSITION		
	Quartz		
	Feldspar		
	Mica		
	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
R	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
R-C	Fe/Mn Spherules		
	Foraminifera		
	Calc. Nannos		
A	Diatoms		
R	Radiolarians		
TR	Sponge Spic.		
TR	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	44G	1	100 cm	44			JVG

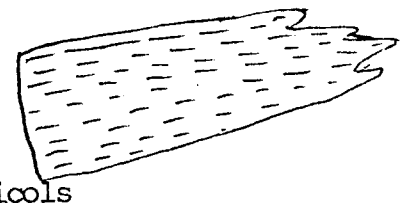
Sediment Name: Nanno Clay

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
R	Silt		
D	Clay		
	COMPOSITION		
R	Quartz		
R	Feldspar		
	Mica		
	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
TR	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
R	Fe/Mn Flecks		
TR	Foraminifera		Fragments
A	Calc. Nannos		
C	Diatoms		
TR	Radiolarians		Fragments
TR	Sponge Spic.		
TR	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

Funny looking quartz/K-feldspar ?



X-nicols

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

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SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	44G	1	135 cm	44		X	JVG

Sediment Name: Silty Sand

ABUNDANCE	TEXTURE	SPECIFIC DATA	
D	Sand		
C	Silt		
	Clay		
	COMPOSITION		
C	Quartz		
C	Feldspar		
	Mica		
C	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
C	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
	Diatoms		
	Radiolarians		
	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

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SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	44G	2	229 cm	44			JVG

Sediment Name: Diatom-bearing Nanno Clay

ABUNDANCE	TEXTURE	SPECIFIC DATA	
TR	Sand		
R	Silt		
A	Clay		
	COMPOSITION		
R	Quartz		
R	Feldspar		
	Mica		
TR	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
TR	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
C	Fe/Mn flecks		
TR	Foraminifera		
A	Calc. Nannos		
C	Diatoms		
	Radiolarians		
	Sponge Spic.		
TR	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

Fresh water and marine diatoms

Melisira granulata?

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

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SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	44G	3	311.5 cm	44			JVG

Sediment Name: Nanno-bearing Clay

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
R	Silt		
A	Clay		
	COMPOSITION		
R	Quartz		
R	Feldspar		
	Mica		
R	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
C	Fe/Mn		
TR	Foraminifera		
C	Calc. Nannos		
R	Diatoms		
	Radiolarians		
	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

NEBCO

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 44G

STATION NO: 44

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	5-7 cm	Mike Field	USGS	Forams	3/9/77
1	7-9 cm	Mike Field	USGS	Grain Size	3/9/77
	Note: 0-5	cm is empty space			

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USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 041° 65.99' N

LONGITUDE: -124° 91.95' W

STATION NO.: 45

LINE NO.: E6A

DAY/MONTH/YEAR

DATE: 13/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
45G	968 m	363 cm		

REMARKS:

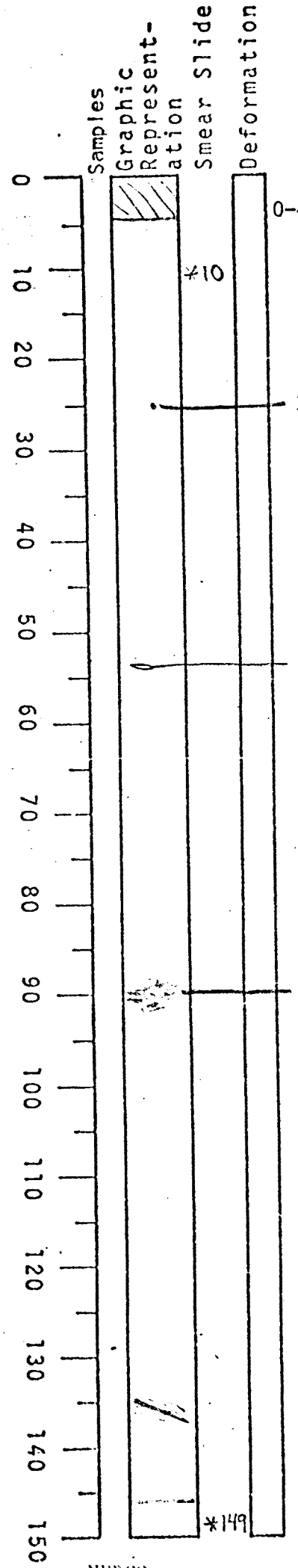
3 Sections

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		4	5	G	1

STATION#			OBSERVER
	4	5	CH



0-4 cm packing

4-146 cm, homogeneous olive gray (5Y 4/2) Diatom-bearing Silty Clay

Fe/Mn spots

Shell Fragment

87-90 cm, dark gray (N3) silty fine sand lens with no sharp contact

133-137 cm, low angle bedding with dark organic (?) silty clay laminae

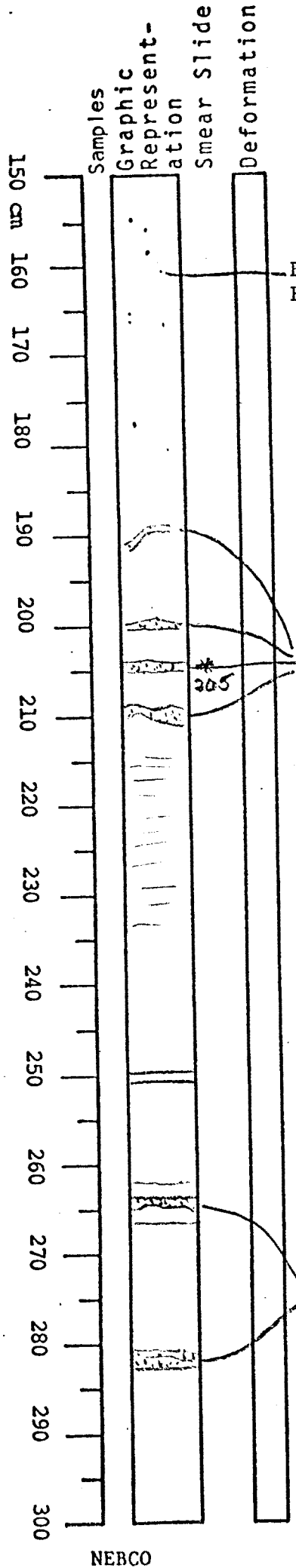
137-146 cm, silty clay, finely laminated, horizontal

Smear Slide at 149 cm is a Diatom-bearing Clay

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		4	5	G	2

STATION#			OBSERVER
	4	5	CH



Black organic spots
Fe/Mn

Hydrogen sulfide smell when split

146-200 cm, olive gray (5Y 3/2) homogeneous clay with a few sandy lenses

Sandy Silt, dark gray (N3) fine sandy lenses, possible grading upward, forams present

212-248 cm, clay with fine organic laminae, mottled in places - bioturbation?

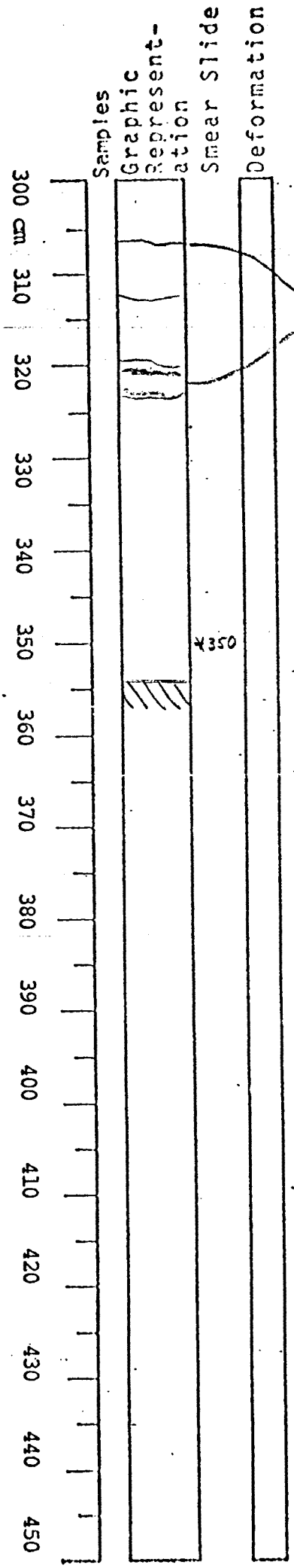
248-250 cm, dark gray (N3) clay layer conformable on top of dark, fine sand. layer which is finely laminated

dark sandy lenses, fining upward

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		4	5	G	3

STATION#				OBSERVER
		4	5	CH



dark sandy lenses, mottled
no apparent fining

hydrogen sulfide smell when split

Smear Slide at 350 cm is a Nanno Clay

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	45G	1	10 cm	45	X		JVG

Sediment Name: Diatom-bearing Silty Clay

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
C	Silt		
A	Clay		
	COMPOSITION		
R	Quartz		
R	Feldspar		
	Mica		
	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
R	Fe/Mn		
	Foraminifera		
	Calc. Nannos		
C	Diatoms		
TR	Radiolarians		
TR	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	45G	1	149 cm	45	X		JVG

Sediment Name: Diatom-bearing Clay

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
R	Silt		
A	Clay		
	COMPOSITION		
R	Quartz		
R	Feldspar		
	Mica		
	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
R	Glauconite		
C	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
R-C	Fe/Mn Spherules		
	Foraminifera		
	Calc. Nannos		
C	Diatoms		
TR	Radiolarians		
TR	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	45G	2	205 cm	45		X	JVG

Sediment Name: Sandy Silt

ABUNDANCE	TEXTURE	SPECIFIC DATA
C	Sand	
A	Silt	
	Clay	
	COMPOSITION	
C	Quartz	
C	Feldspar	
	Mica	
R	Heavy Mnls.	
	Total Detrital	
	Clay Mnls.	
	Volc. Glass	
	Palagonite	
	Chlorite	
R	Glauconite	
C	Pyrite	
C	Micro Nodules	Fe/Mn
	Dolo. Rhombs	
	Zeolite	
	Auth. Carb.	
	Rock Frags.	
	Foraminifera	
	Calc. Nannos	
TR	Diatoms	
	Radiolarians	
	Sponge Spic.	
	Silicoflag.	
	Fish Remains	
	Plant Debris	

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	45G	3	350 cm	45	X		JVG

Sediment Name: Nanno Clay

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
R	Silt		
A	Clay		
	COMPOSITION		
R	Quartz		
R	Feldspar		
	Mica		
	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
TR	Glauconite		
	Pyrite		
R	Micro Nodules		Fe/Mn
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
TR	Foraminifera		
A	Calc. Nannos		
R	Diatoms		
TR	Radiolarians		
	Sponge Spic.		
TR	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

NEBCO

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 45G

STATION NO: 45

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	5-7 cm	Mike Field	USGS	Grain Size	11/15/77
1	5-7 cm	Mike Field	USGS	Biostrat.	11/15/77
3	350-352 cm	Mike Field	USGS	Biostrat.	11/15/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 041° 66.14' N

LONGITUDE: -124° 87.36' W

STATION NO.: 46

LINE NO.: E6A

DAY/MONTH/YEAR

DATE: 13/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
46G	757 m	210 cm		

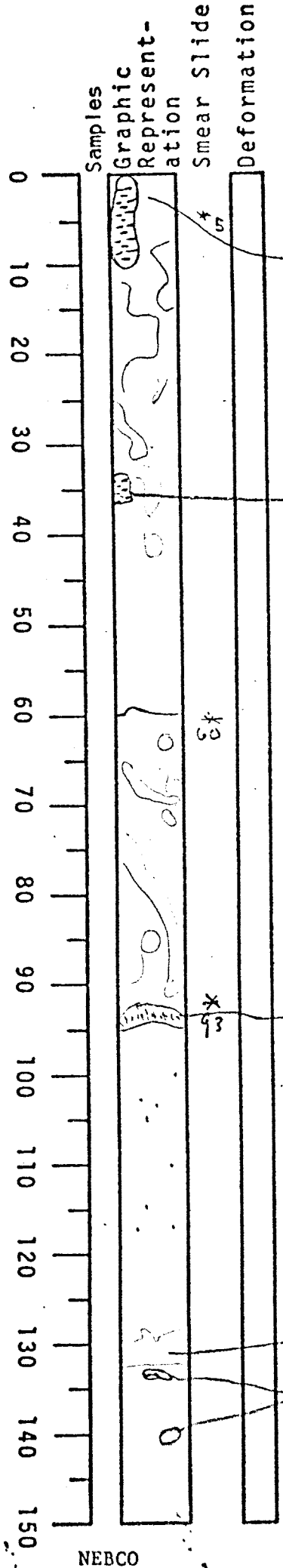
REMARKS:

2 Sections

VISUAL CORE DESCRIPTION

LOCATOR									SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		4	6	G		1

STATION#			OBSERVER
4	6		CH



Mudstone rock 10 x 3 x 2 cm, calcite veins, Mn coating

Hydrogen sulfide smell when split

0-60 cm, Diatom-bearing Silty Clay, olive gray (5Y 3/2) highly bioturbated, predominantly medium dark gray sand (N3), core most likely disrupted down to 35 cm due to rock being dragged down into sediment

mudstone rock 6 x 3 x 2 cm, angular, medium light gray (6)

60-94 cm, Diatom-bearing Silty Clay, highly bioturbated (clam?), olive gray (5Y 3/2) clay with medium fine sand filling burrows

Sand, dark gray (N4) sand lens fining upward

94-210 cm, Fe/Mn spots in an olive gray (5Y 3/2) homogeneous clay

Dark gray (N4) sand lens, bioturbated surface

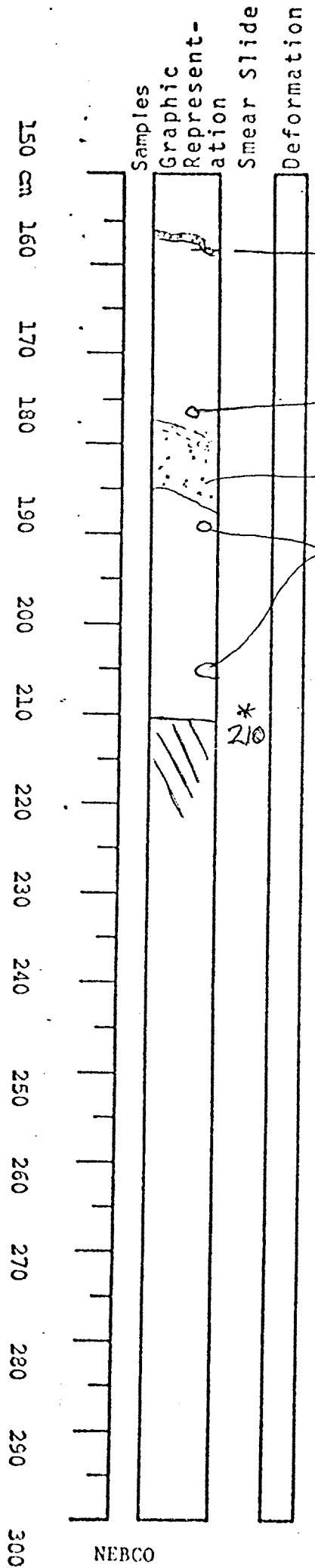
burrow filled with dark gray fine sand

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		G	4	6		2

STATION#				OBSERVER
	4	6		CH



dark gray (N4) sand lens, soft sediment deformation, flame structure

burrow filled with fine sand

dark gray (n4) fine grained sand, fining upward

burrow filled with fine sand

DIATOM-BEARING SILTY CLAY, olive gray (5Y 3/2) homogeneous clay with a zone of fine grained sand

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	46G	1	60 cm	46	X		JVG

Sediment Name: Diatom-bearing Silty Clay

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
C	Silt		
C	Clay		
	COMPOSITION		
C	Quartz		
C	Feldspar		
	Mica		
	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
TR	Glauconite		
	Pyrite		
C	Micro Nodules		Fe/Mn
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
C	Diatoms		
	Radiolarians		
TR	Sponge Spic.		
TR	Silicoflag.		
TR	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

Fresh water and marine diatoms

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	46G	1	93 cm	46		X	JVG

Sediment Name: Sand

ABUNDANCE	TEXTURE	SPECIFIC DATA	
D	Sand		
C	Silt		
	Clay		
	COMPOSITION		
A	Quartz		
A	Feldspar		
	Mica		
	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
C	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
R	Fe/Mn coatings		
	Foraminifera		
	Calc. Nannos		
	Diatoms		
	Radiolarians		
	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	46G	2	210 cm	46	X		JVG

Sediment Name: Diatom-bearing Silty Clay

ABUNDANCE	TEXTURE	SPECIFIC DATA
	Sand	
C	Silt	
A	Clay	
	COMPOSITION	
	Quartz	
	Feldspar	
	Mica	
	Heavy Mnls.	
	Total Detrital	
	Clay Mnls.	
	Volc. Glass	
	Palagonite	
	Chlorite	
R	Glauconite	
	Pyrite	
R	Micro Nodules	Fe/Mn
	Dolo. Rhombs	
	Zeolite	
	Auth. Carb.	
	Rock Frags.	
R-C	Fe/Mn Flecks	
	Foraminifera	
	Calc. Nannos	
C	Diatoms	
R	Radiolarians	
	Sponge Spic.	
	Silicoflag.	
	Fish Remains	
	Plant Debris	

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

NEBCO

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 46G

STATION NO: 46

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	5-7 cm	Mike Field	USGS	Grain Size	11/15/77
2	208-210 cm	Mike Field	USGS	Biostrat.	11/15/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 041° 66.00' N

LONGITUDE: -124° 85.29' W

STATION NO.: 47

LINE NO.: E6A

DAY/MONTH/YEAR

DATE: 13/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	SPECIMEN SIZE (CM)	BASIC LITHOLOGY	REMARKS
47G	900 m	3.0 m		

REMARKS:

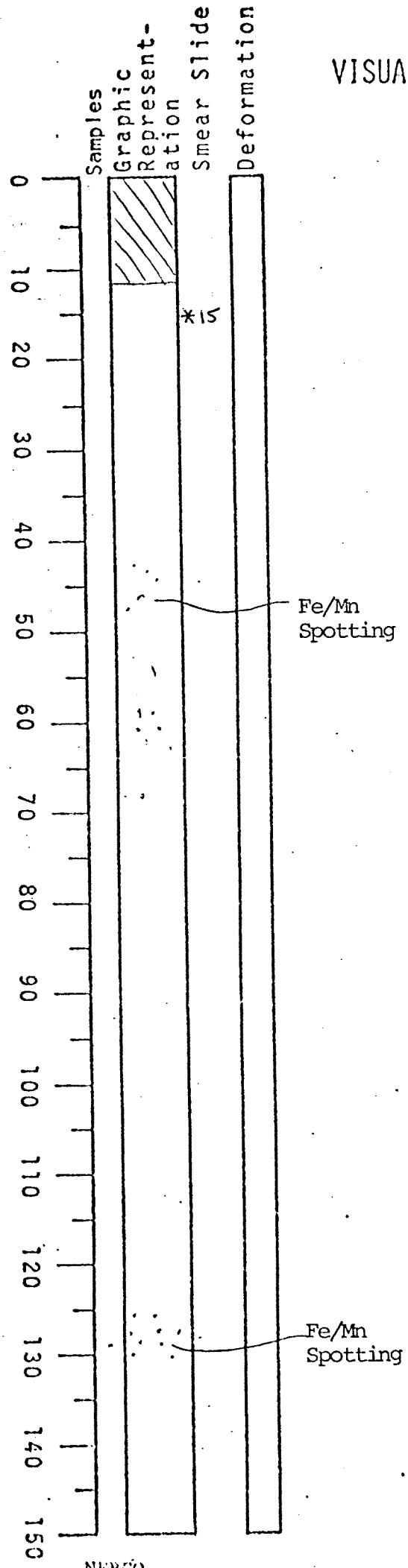
Two sections

NEBOO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		4	7	G	1

STATION#				OBSERVER
	4	7		CH



12-175 cm

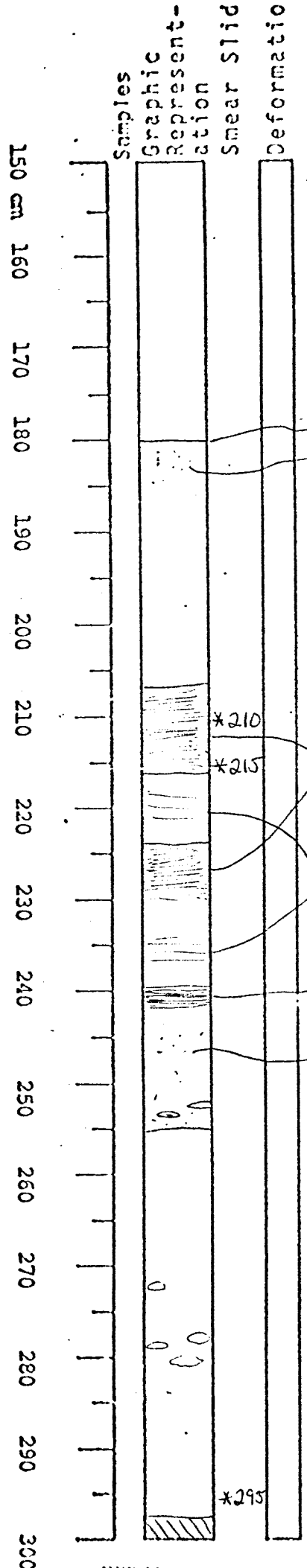
Nanno-Diatom-Bearing Silty Clay

olive gray (5Y 3/2) bioturbated, homogeneous clay, worm holes throughout but no actual animal observed. Hydrogen sulfide smell when cut.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		4	7	G	2

STATION#			OBSERVER
	4	7	CH



fine dark gray (3) silt layer

Fe/Mn spotting

Nanno-Bearing Silty Clay

medium gray (N4) clay with a Silty Sand dark gray lamination at 215 cm

finely laminated clays

medium gray (N4) silty Clay, fining upward

Fe/Mn spots

255-297 cm, olive gray (5Y 4/2) mottled clay

Smear slide at 295 cm is a Nanno-Diatom-Bearing Silt

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	47G	1	15 cm	47	X		JVG

Sediment Name: Nanno-Diatom-Bearing Silty Clay

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
C	Silt		
A	Clay		
	COMPOSITION		
C	Quartz		
C	Feldspar		
	Mica		
	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
TR	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
TR	Fe/Mn coatings		
TR	Foraminifera		
C	Calc. Nannos		
C	Diatoms		
TR	Radiolarians		
TR	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	47G	2	210 cm	47	X		JVG

Sediment Name: Nanno-Bearing Silty Clay

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
C	Silt		
A	Clay		
	COMPOSITION		
R	Quartz		
R	Feldspar		
	Mica		
	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
R	Glauconite		
	Pyrite		
R	Micro Nodules		Mn
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
C	Calc. Nannos		
	Diatoms		
TR	Radiolarians		
	Sponge Spic.		
	Silicoflag.		
TR	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

Pentalith - TR

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	47G	2	215 cm	47		X	JVG

Sediment Name: Silty Sand

ABUNDANCE	TEXTURE	SPECIFIC DATA	
A	Sand		Subrounded to Subangular
C	Silt		
	Clay		
	COMPOSITION		
C	Quartz		
C	Feldspar		
	Mica		
	Heavy Mnls.		
C	Total Detrital		rock fragments
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
C	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
	Diatoms		
	Radiolarians		
	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	47G	2	295 cm	47	X		JVG

Sediment Name: Nanno-Diatom-Bearing Silt

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
C	Silt		
	Clay		
	COMPOSITION		
C	Quartz		
C	Feldspar		
	Mica		
	Heavy Mnls.		
R	Total Detrital		rock fragments
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
R	Glauconite		
	Pyrite		
TR	Micro Nodules		Mn
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
R	Foraminifera		
C	Calc. Nannos		
C	Diatoms		
TR	Radiolarians		
	Sponge Spic.		
	Silicoflag.		
TR	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

NEBCO

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 47G

STATION NO: 47

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	13-15 cm	Clarke/Field	USGS	Grain Size	11/15/77
1	13-15 cm	Clarke/Field	USGS	Forams	11/15/77
2	243-245 cm	Clarke/Field	USGS	Biostrat.	11/15/77

NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 041° 66.38' N

LONGITUDE -124° 80.29' W

STATION NO. 48

LINE NO. E6A

DAY/MONTH/YEAR

DATE 13/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
48G	870 m	213 cm		

REMARKS:

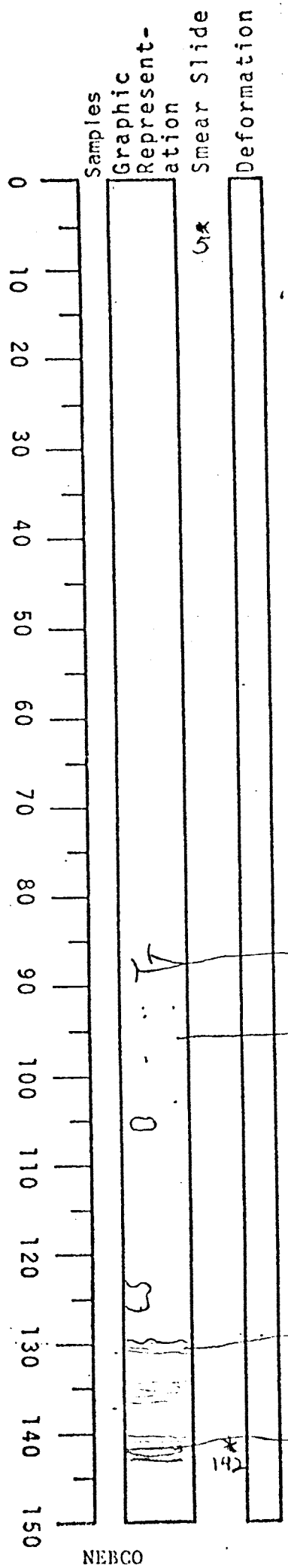
Two sections

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		4	8	G	1

STATION#			OBSERVER
	4	8	CH



4-137 cm
Silty Clay
olive gray (5Y 3/2), homogeneous, bioturbated down to 137 cm

Shell fragments

Fe/Mn spots

bioturbated dark gray (N3) sand layer

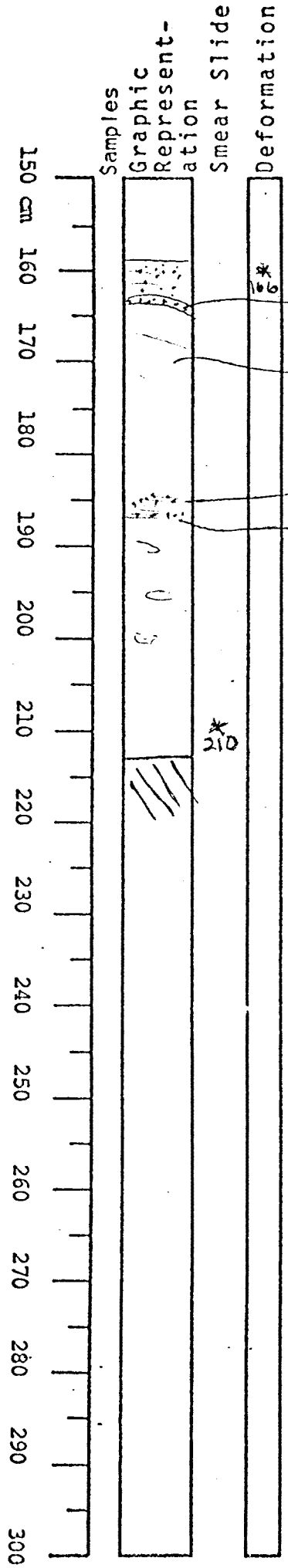
Nanno-bearing Silty Clay
finely laminated dark gray (N3)
137-187 cm finely laminated

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		4	8	G			2

STATION#				OBSERVER
	4	8		CH



Silty Sand

dark gray (N3) finely laminated

olive gray (5Y 4/2) finely laminated slightly silty clay

dark gray (N3) silt

worm tubes 1 mm diameter at base of silty dark gray layer

187-212 cm Nanno-bearing Silty Clay
mottled olive gray (5Y 4/2)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	48G	1	5 cm	48	X		JVG

Sediment Name: Silty Clay

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
A	Silt		
A	Clay		
	COMPOSITION		
C	Quartz		
C	Feldspar		
	Mica		
	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
R	Glauconite		
	Pyrite		
	Micro Nodules		
TR	Dolo. Rhombs	?	
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
R	Calc. Nannos		
R	Diatoms		
	Radiolarians		
	Sponge Spic.		
	Silicoflag.		
TR	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	48G	1	142 cm	48			JVG

Sediment Name: Nanno-bearing Silty Clay

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
C	Silt		
C	Clay		
	COMPOSITION		
C	Quartz		
C	Feldspar		
	Mica		
	Heavy Mnls.		
C	Total Detrital		rock fragments
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
R	Glauconite		
	Pyrite		
R-C	Micro Nodules		Mn
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
C	Calc. Nannos		
R	Diatoms		
	Radiolarians		
	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	48G	2	166 cm	48		X	JVG

Sediment Name: Silty Sand

ABUNDANCE	TEXTURE	SPECIFIC DATA	
A	Sand		Subangular to Subrounded
A	Silt		
	Clay		
	COMPOSITION		
C	Quartz		
C	Feldspar		
	Mica		
	Heavy Mnls.		
C	Total Detrital		rock fragments
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
R	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
	Diatoms		
	Radiolarians		
	Sponge Spic.		
	Silicoflag.		
TR	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	48G	2	210 cm	48			JVG

Sediment Name: Nanno-bearing Silty Clay

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
C	Silt		
A	Clay		
	COMPOSITION		
	Quartz		
	Feldspar		
	Mica		
	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
TR	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
R	Fe/Mn flecks		
	Foraminifera		
C	Calc. Nannos		
R	Diatoms		
TR	Radiolarians		
TR	Sponge Spic.		
TR	Silicoflag.		
TR	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

NEBCO

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 48G

STATION NO: 48

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	1-3 cm	Clarke/Field	USGS	Forams	11/15/77
1	2-4 cm	Clarke/Field	USGS	Grain Size	11/15/77
2	210-212 cm	Clarke/Field	USGS	Paleontology	11/15/77

NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 041° 67.65' N

LONGITUDE -124° 69.37' W

STATION NO. 49

LINE NO. E6A

DAY/MONTH/YEAR

DATE 13/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
49G	820 m	276 cm		

REMARKS:

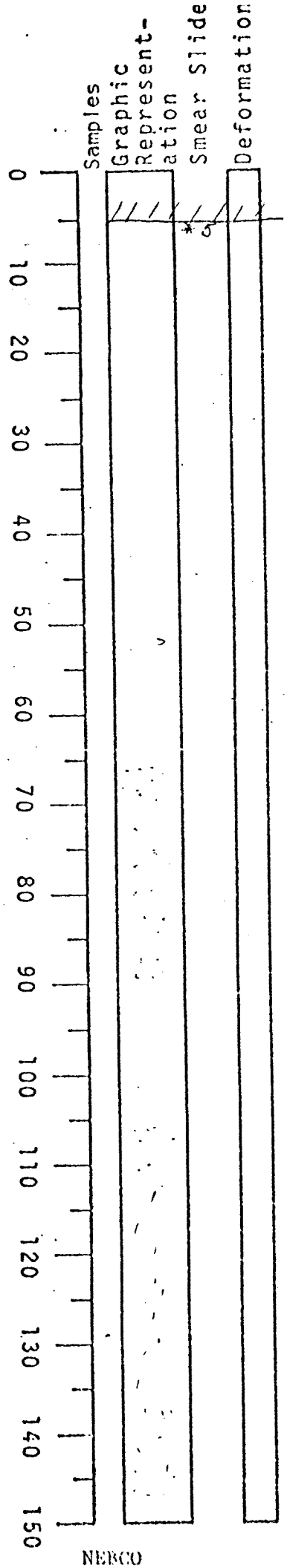
Two sections

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		4	9	G	1

STATION#			OBSERVER
	4	9	CP



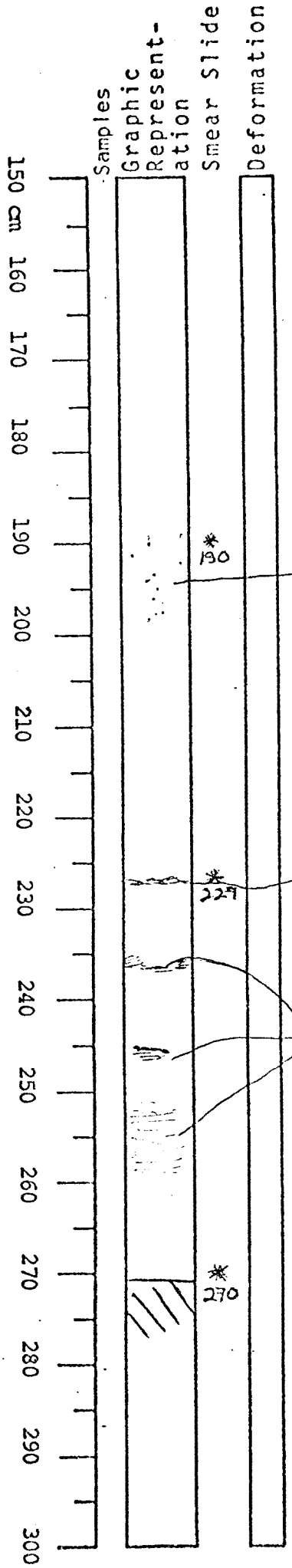
Nanno-Bearing Sandy Argillaceous Silt
grayish olive (10Y 4/2) homogeneous
problems splitting core - too wet (spatula used)
Fe/Mn spotting.

140 cm olive gray (5Y 3/2)

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		4	9	G	2

STATION#			OBSERVER
	4	9	CP



Smear Slide at 190 cm - Diatom-bearing Silty Clay

Fe/Mn Spotting

225-271 cm sandy silt with dark gray silt wedges

silty dark gray

dark gray silt, slurried appearance or mottled

Smear Slide at 270 cm - Diatom-bearing Clay

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	49G	1	5 cm	49			JVG

Sediment Name: Nanno-bearing Sandy Argillaceous Silt

ABUNDANCE	TEXTURE	SPECIFIC DATA	
C	Sand		
A	Silt		
C	Clay		
	COMPOSITION		
C	Quartz		
C	Feldspar		
	Mica		
	Heavy Mnls.		
C	Total Detrital		rock fragments
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
R	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
R	Fe/Mn flecks		
	Foraminifera		
C	Calc. Nannos		
R	Diatoms		
	Radiolarians		
TR	Sponge Spic.		
R	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	49G	2	190 cm	49			JVG

Sediment Name: Diatom-bearing Silty Clay

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
C	Silt		
A	Clay		
	COMPOSITION		
C	Quartz		some rutilated
C	Feldspar		
	Mica		
	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
R	Glauconite		
TR	Pyrite		crystals
TR	Micro Nodules		Fe/Mn
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
R-C	Diatoms		
TR	Radiolarians		
	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	49G	2	227 cm	49		X	JVG

Sediment Name: Sandy Silt

ABUNDANCE	TEXTURE	SPECIFIC DATA
C	Sand	Subrounded to Subangular
D	Silt	
	Clay	
	COMPOSITION	
A	Quartz	some rutilated
A	Feldspar	
	Mica	
	Heavy Mnls.	
	Total Detrital	
	Clay Mnls.	
	Volc. Glass	
	Palagonite	
	Chlorite	
C	Glauconite	
	Pyrite	
C	Micro Nodules	Fe/Mn
	Dolo. Rhombs	
	Zeolite	
	Auth. Carb.	
	Rock Frags.	
TR	Foraminifera	
	Calc. Nannos	
	Diatoms	
	Radiolarians	
	Sponge Spic.	
	Silicoflag.	
	Fish Remains	
	Plant Debris	

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	49G	2	270 cm	49			JVG

Sediment Name: Diatom-bearing Clay

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
R	Silt		
D	Clay		
	COMPOSITION		
R	Quartz		
R	Feldspar		
	Mica		
	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
TR	Glauconite		
TR	Pyrite		crystals
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
R	Fe/Mn flecks		
	Foraminifera		
C	Calc. Nannos		
R	Diatoms		
	Radiolarians		
	Sponge Spic.		
	Silicoflag.		
R	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 49G

STATION NO: 49

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	1-3 cm	Clarke/Field	USGS	Grain Size	11/15/77
1	1-3 cm	Clarke/Field	USGS	Forams	11/15/77
2	265-267 cm	Clarke/Field	USGS	Biostrat.	11/15/77

NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 041° 68.10-68.29' N

LONGITUDE -124° 61.16-60.95' W

STATION NO. 50

LINE NO. E6A

DAY/MONTH/YEAR

DATE 13/11/77

TYPE OF STORAGE (check one)

	X	
DRY	COLD	FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
50G1	695 m	Core Catcher Only		
50G2	690 m	258 cm		

REMARKS:

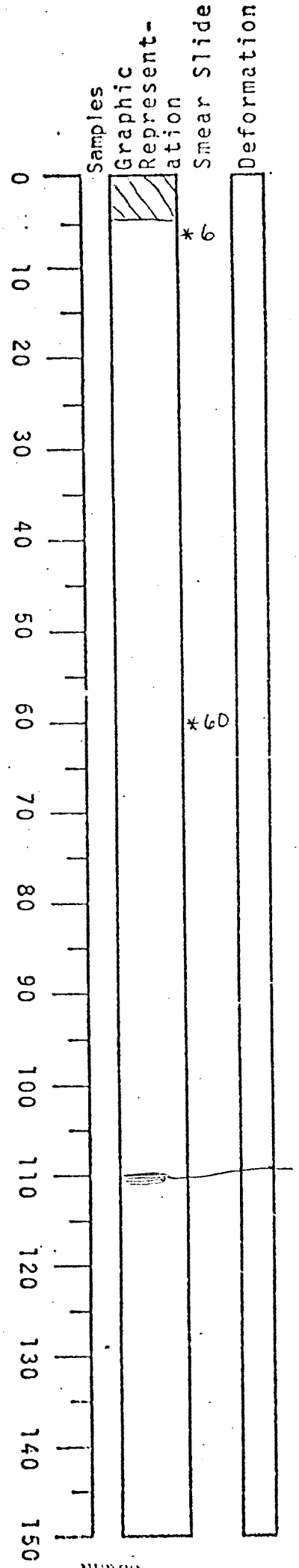
50G1 - core catcher only recovered

50G2 - two sections

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		5	0	G		1

STATION#				OBSERVER
	5	0		CH



4-259 cm

Sandy Silt - olive gray (5Y 3/2), homogeneous with a few silty lenses in slurry, difficult to split, spatula marks

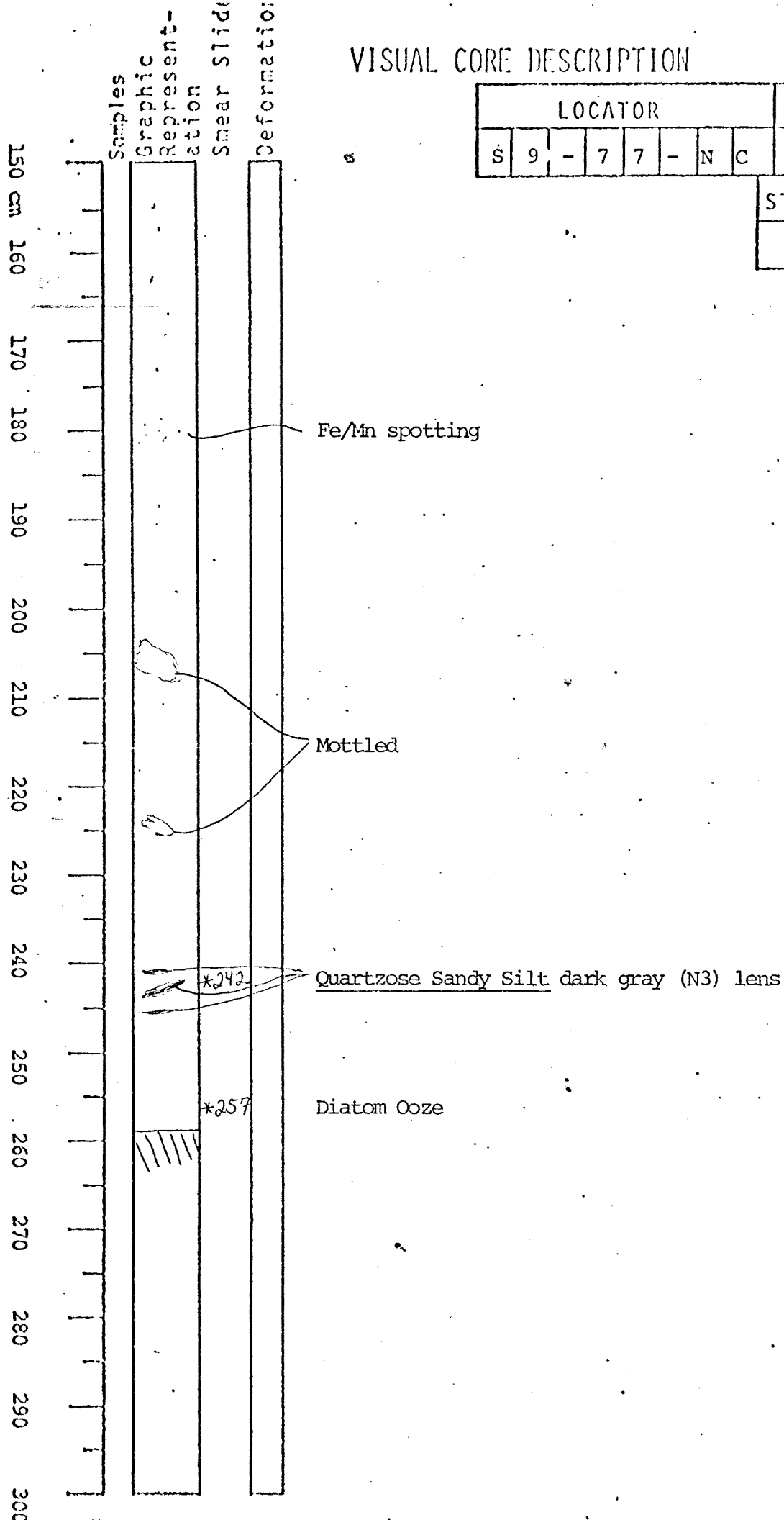
Coarse Silt

dark gray (N3) silty lens

VISUAL CORE DESCRIPTION

LOCATOR														SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C			5	0	G						2

STATION#				OBSERVER
		5	0	CH



SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	50G	1	5 cm	50			FLW

Sediment Name: Sandy Silt

ABUNDANCE	TEXTURE	SPECIFIC DATA	
C	Sand		very fine
A	Silt		
	Clay		
	COMPOSITION		
C	Quartz		
C	Feldspar		
	Mica		
C	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
C	Diatoms		
	Radiolarians		
C	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	50G	1	60 cm	50			FLW

Sediment Name: Coarse Silt

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
A	Silt		coarse
	Clay		
	COMPOSITION		
C	Quartz		
C	Feldspar		
	Mica		
R	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
TR	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
C	Diatoms		
R	Radiolarians		
C	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

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SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	50G	2	242 cm	50		X	FLW

Sediment Name: Quartzose Sandy Silt

ABUNDANCE	TEXTURE	SPECIFIC DATA	
C	Sand		very fine sand
A	Silt		coarse silt
	Clay		
	COMPOSITION		
A	Quartz		
C	Feldspar		
	Mica		
R	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
R	Chert		
	Foraminifera		
	Calc. Nannos		
	Diatoms		
	Radiolarians		
	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	50G	2	257 cm	50			FLW

Sediment Name: Diatom Ooze

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
C	Silt		
	Clay		
	COMPOSITION		
C	Quartz		
	Feldspar		
	Mica		
	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
A	Diatoms		
	Radiolarians		
C	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 50G

STATION NO: 50

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	1-3 cm	Clarke/Field	USGS	Grain Size	11/15/77
1	1-3 cm	Clarke/Field	USGS	Forams	11/15/77
2	254-256 cm	Clarke/Field	USGS	Biostrat.	11/15/77

NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 041° 68.19' N

LONGITUDE -124° 52.25' W

STATION NO. 51

LINE NO. E6A

DAY/MONTH/YEAR

DATE 13/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
51G	455 m	173 cm		

REMARKS:

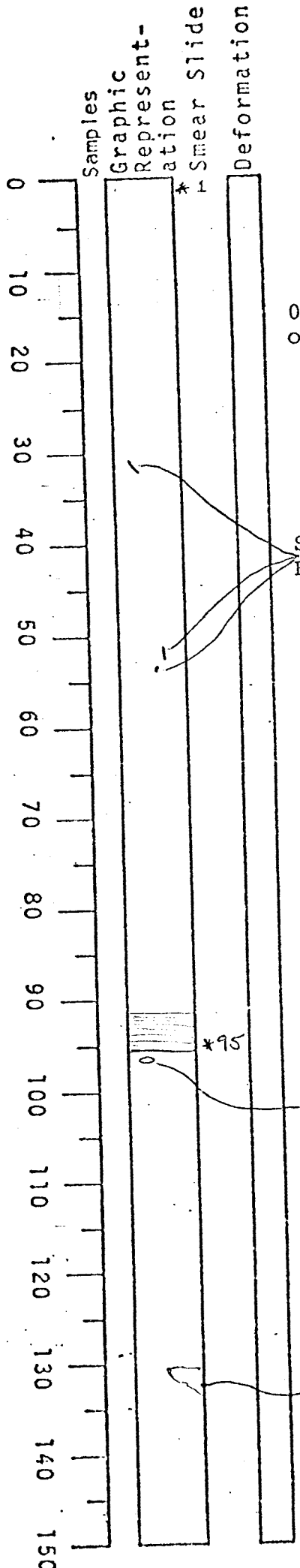
Two Sections

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.
S 9 - 7 7 - N C	5 1 G	1

STATION#	OBSERVER
5 1	CH



0-91 cm Medium Silt
olive gray (5Y 3/2) bioturbated

Shell Fragments

91-95 cm Very Fine Sand dark olive gray (5Y 2/2)
finely laminated

Shell fragment

95-170 cm Coarse Clay olive gray (5Y 3/2) bioturbated

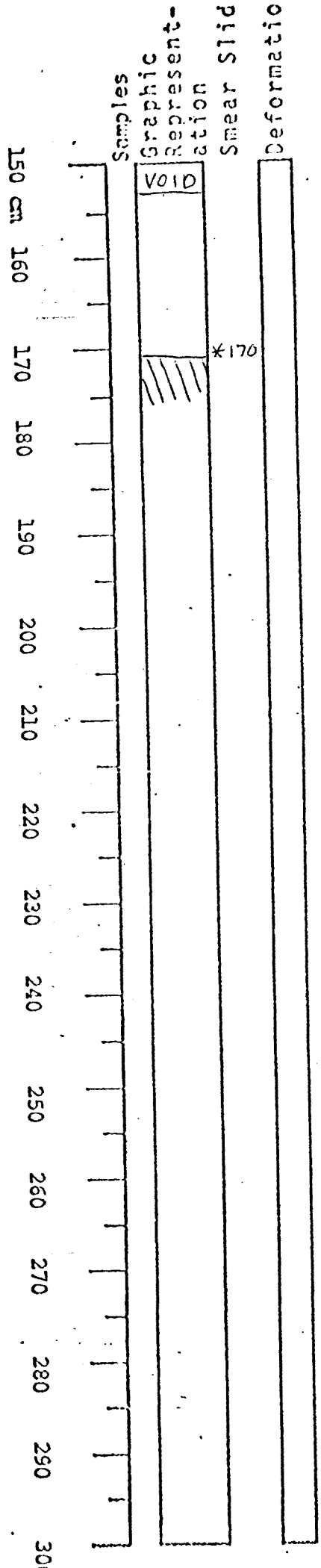
dark gray (N3) silt lens

VISUAL CORE DESCRIPTION

LOCATOR														SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C			5	1	G						2

STATION#				OBSERVER
	5	1		CH

See section 1 for description



SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	51G	1	1 cm	51			FLW

Sediment Name: Medium Silt

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
A	Silt		medium
	Clay		
	COMPOSITION		
	Quartz		
	Feldspar		
	Mica		
	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
C	Diatoms		
	Radiolarians		
R	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	51G	1	95 cm	51			FLW

Sediment Name: Very Fine Sand

ABUNDANCE	TEXTURE	SPECIFIC DATA	
C	Sand		very fine
C	Silt		coarse
	Clay		
	COMPOSITION		
C	Quartz		
R	Feldspar		
	Mica		
R	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
R	Foraminifera		
	Calc. Nannos		
	Diatoms		
	Radiolarians		
	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	51G	2	170 cm	51			FLW

Sediment Name: Coarse Clay

ABUNDANCE	TEXTURE	SPECIFIC DATA	
	Sand		
R	Silt		
C	Clay		
	COMPOSITION		
C	Quartz		
	Feldspar		
	Mica		
	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
C	Diatoms		
	Radiolarians		
C	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 51G

STATION NO: 51

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-2 cm	Clarke/Field	USGS	Grain Size	11/15/77
1	0-2 cm	Clarke/Field	USGS	Forams	11/15/77
2	166-168 cm	Clarke/Field	USGS	Biostrat.	11/15/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 041° 68.11' N

LONGITUDE: -124° 47.13' W

STATION NO.: 52

LINE NO.: E6A

DAY/MONTH/YEAR

DATE: 13/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

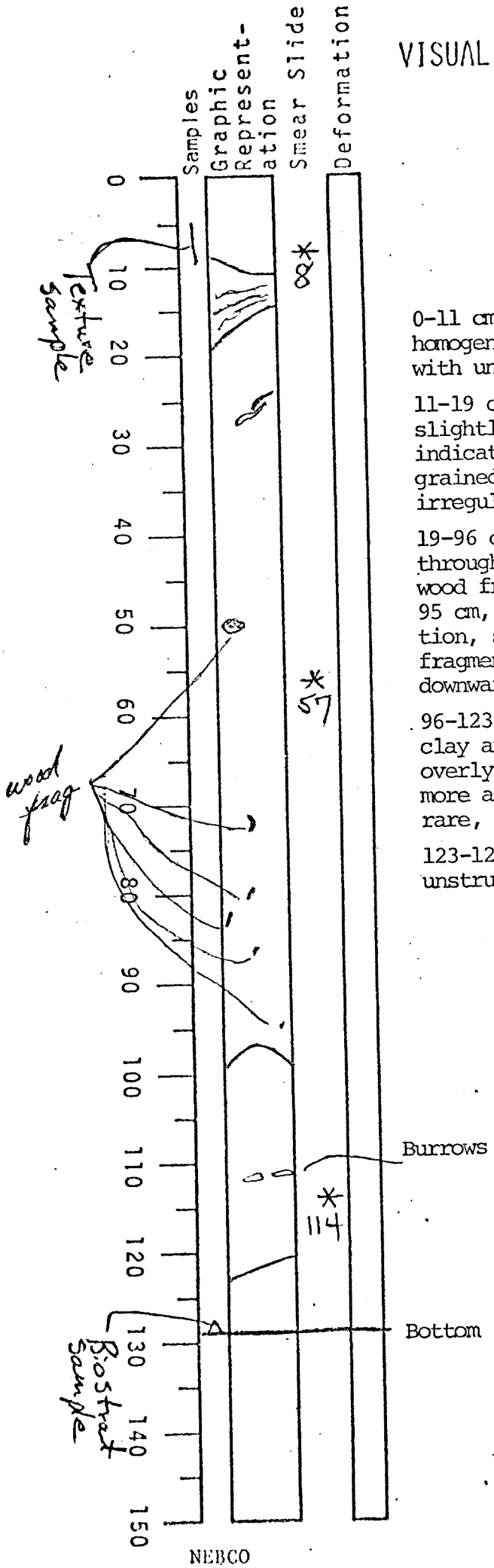
SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
52G	212 m	134 cm		

REMARKS:

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		5	2	G	1

STATION#			OBSERVER
	5	2	TH



0-11 cm, Very Fine Sand, olive gray (5Y 3/2), homogeneous, structureless, fairly distinct contact with underlying segment

11-19 cm, olive gray (5Y 3/2) wedge-shaped, seems slightly finer grained than contiguous segments, indications of laminations - just slightly coarser grained laminae about 2-3 mm wide over and underlying irregularly, ? finer grain laminae

19-96 cm, Silty Diatom Ooze, mottled appearance throughout, olive gray (5Y 3/2) to (5Y 4/1), 5 wood fragments up to 1½ x 3/4 cm between 50 cm and 95 cm, ? abundant burrows and evidence of bioturbation, shell hash first apparent at 37.5 cm as 2 mm fragment, gradually increasing in size and abundance downward, then disappearing at 123 cm.

96-123 cm, Very Fine Sand, seems to be diminished clay and absence of mottled character noted in overlying segment. Shell material conspicuously more abundant and less mutilated, burrows (?) rare, olive gray (5Y 3/2)

123-128 cm, olive gray (5Y 3/2) homogeneous, unstructured, lacks shell material, micaceous

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	52G	1	8 cm	52			FLW

Sediment Name: Silty Diatom Ooze

ABUNDANCE	TEXTURE	SPECIFIC DATA	
C	Sand		very fine sand
C	Silt		
	Clay		
	COMPOSITION		
C	Quartz		
R	Feldspar		
	Mica		
	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
R	Calc. Nannos		
A	Diatoms		
	Radiolarians		
C	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	52G	1	57 cm	52			FLW

Sediment Name: Silty Diatom Ooze

ABUNDANCE	TEXTURE	SPECIFIC DATA	
C	Sand		
A	Silt		
A	Clay		
	COMPOSITION		
C	Quartz		
C	Feldspar		
	Mica		
C	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
TR	Volc. Glass		
TR	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
R	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
A	Diatoms		
	Radiolarians		
C	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

NEBCO

SMEAR SLIDE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.	INTERVAL	STATION NO.	Dom. LITH.	Minor LITH.	OBSERVER
S9-77-NC	52G	1	114 cm	52			FLW

Sediment Name: Very Fine Sand

ABUNDANCE	TEXTURE	SPECIFIC DATA	
D	Sand		very fine
	Silt		
	Clay		
	COMPOSITION		
C	Quartz		
C	Feldspar		
	Mica		
C	Heavy Mnls.		
	Total Detrital		
	Clay Mnls.		
	Volc. Glass		
	Palagonite		
	Chlorite		
	Glauconite		
	Pyrite		
	Micro Nodules		
	Dolo. Rhombs		
	Zeolite		
	Auth. Carb.		
	Rock Frags.		
	Foraminifera		
	Calc. Nannos		
	Diatoms		
	Radiolarians		
	Sponge Spic.		
	Silicoflag.		
	Fish Remains		
	Plant Debris		

PER-CENT	DETAILED MINERALOGY

REMARKS:

DATA CODE LEGEND

Fossil preservation
G = good
M = moderate
P = poor

Abundance code
1% = TR (trace)
1-5% = R (rare)
5-25% = C (common)
25-75% = A (abundant)
75% = D (dominant)

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 52G

STATION NO: 52

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	5-10 cm	Mike Field	USGS	Grain Size	11/16/77
1	Core Catcher	Mike Field	USGS	Biostrat.	11/16/77

NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 041° 68.58' N

LONGITUDE -124° 41.80' W

STATION NO. 53

LINE NO. E6A

DAY/MONTH/YEAR

DATE 13/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
53G	115 m	201 cm		

REMARKS:

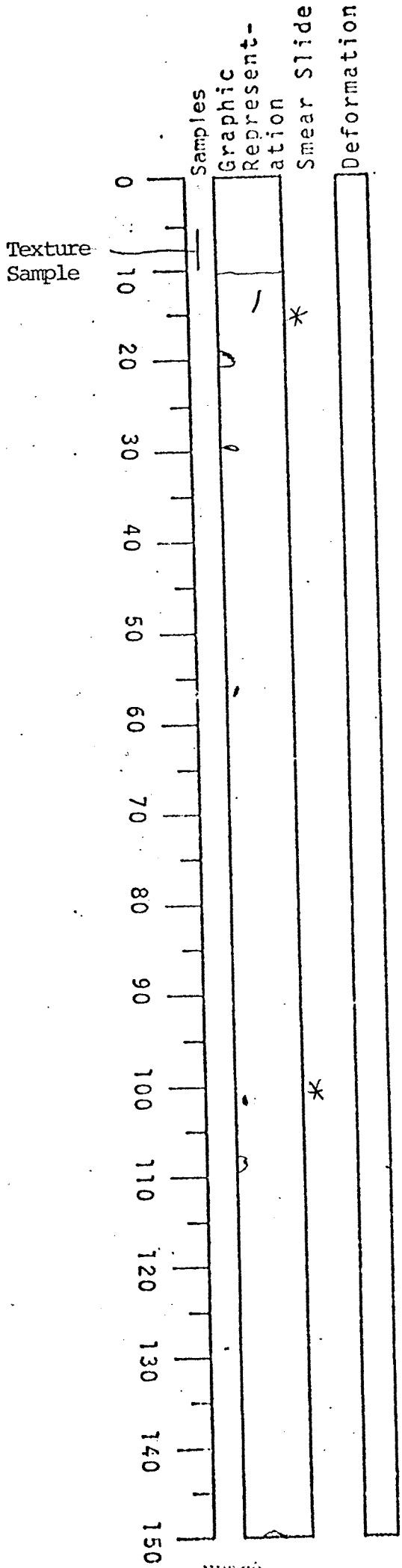
Core Catcher in 8 oz. jar

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		5	3	G		1

STATION#				OBSERVER
	5	3		TH



0-8 cm, coring disrupted, sticky, olive gray (5Y 3/2) structureless muddy mass

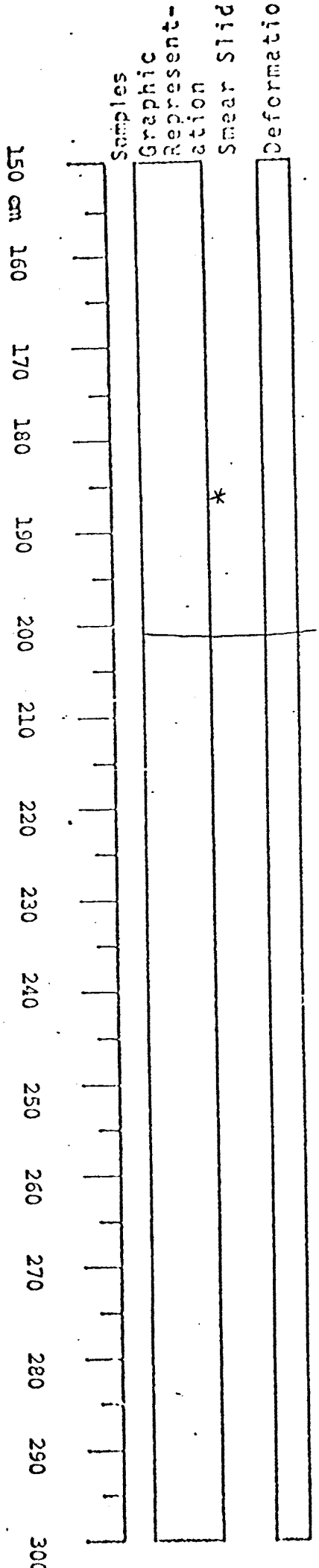
8-11 cm, moderate olive brown (5Y 4/4) amorphously-shaped region of silty clay distinguished from surrounding sediment only by color

11-201 cm, olive gray (5Y 3/2) lacks conspicuous structures, shell fragments at 57, 102, 175 and 180.5 cm. Bioturbated at 20, 108 and 150 (?) cm, burrows well-defined at 16-17 and 30 cm. Vaguely outlined black (N1) streaks irregularly distributed in section 12 to about 60 cm

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		5	3	G		2

STATION#				OBSERVER
	5	3		TH



See Section 1 for description

Bottom of core

Core Catcher for Biostratigraphy sample

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 53G

STATION NO: 53

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	5-10 cm	Mike Field	USGS	Grain Size	11/16/77
2	Core Catcher	Mike Field	USGS	Biostrat.	11/16/77

NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 041° 68.79' N

LONGITUDE -124° 31.04' W

STATION NO. 54

LINE NO. E6A

DAY/MONTH/YEAR

DATE 13/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
54G	68 m	124.5 cm		

REMARKS:

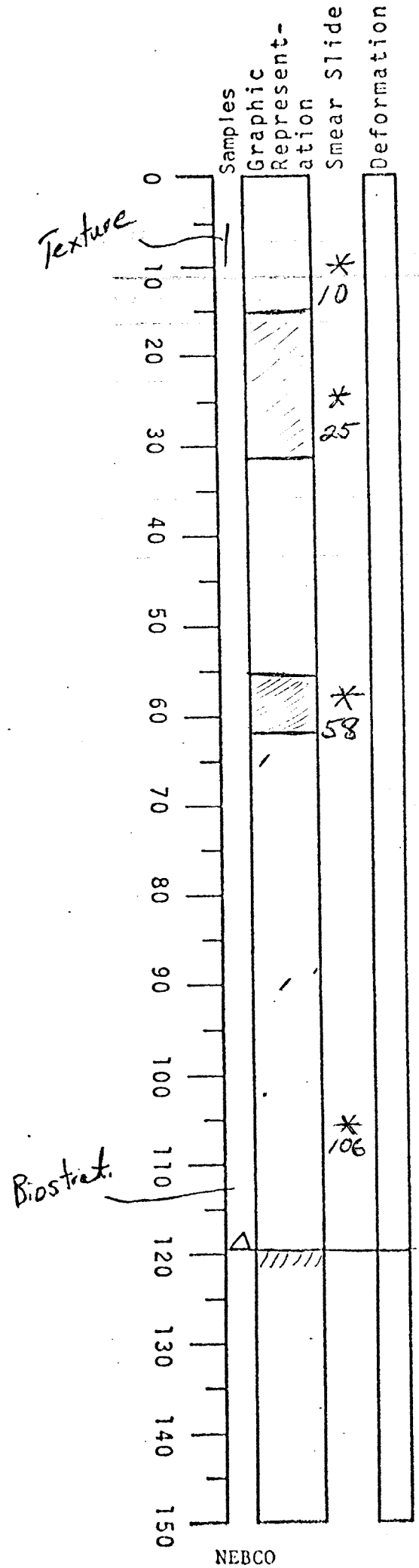
Core Catcher in 8 oz. jar

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		5	4	G	1

STATION#				OBSERVER
		5	4	TH



0-5 cm, disrupted (from coring) mud

5-15 cm, olive gray (5Y 3/2) very fine sandy mud, homogeneous, silty clay wedge at 14-15 cm, olive gray (5Y 4/1)

15-32 cm, sharp contact, olive gray (5Y 3/2) coarser material, homogeneous, no structures seen

32-56 cm, light olive gray (5Y 4/2) homogeneous, fairly sharp contact with overlying segment

56-61 cm, light olive gray (5Y 5/2), (?) higher clay content than adjacent segments; one tiny (1 x 3/4 cm) play pocket at contact

61-120 cm, fairly homogeneous olive black (5Y 2/1) with irregular mottling patches of olive gray (5Y 4/1), infrequent isolated shell fragments

NEBCO

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 54G

STATION NO: 54

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	5-10 cm	Mike Field	USGS	Texture	11/16/77
1	Core Catcher	Mike Field	USGS	Biostrat.	11/16/77

NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 041° 69.21' N

LONGITUDE -124° 28.95' W

STATION NO. 55

LINE NO. E6A

DAY/MONTH/YEAR

DATE 13/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
55G	62 m	170 cm		

REMARKS:

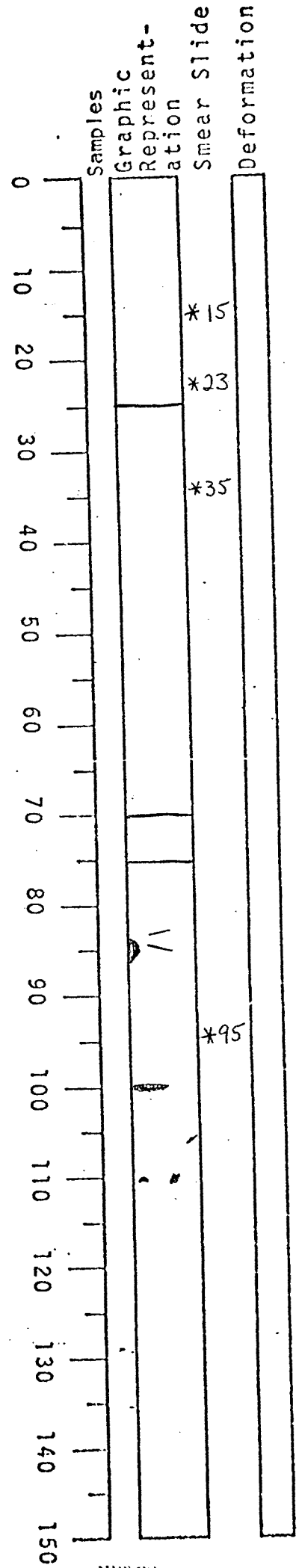
Two Sections
Core Catcher in quart jar.

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.
S 9 - 7 7 - N C	5 5 G	1

STATION#	OBSERVER
5 5	TH



160 cm core in two sections
apparent contacts at about 25 cm and 75 cm

0-5 cm, core disrupted mud

5-20 cm, olive black (5Y 2/1), homogeneous, structureless

21-24 cm, well defined contacts on either end, olive gray (5Y 3/2), no structure

24-70 cm, olive black (5Y 2/1), at 24 cm grading to olive gray (5Y 3/2), apparently reverse gradational in character ranging from very fine sand at 24 cm to clayey silt at about 70 cm

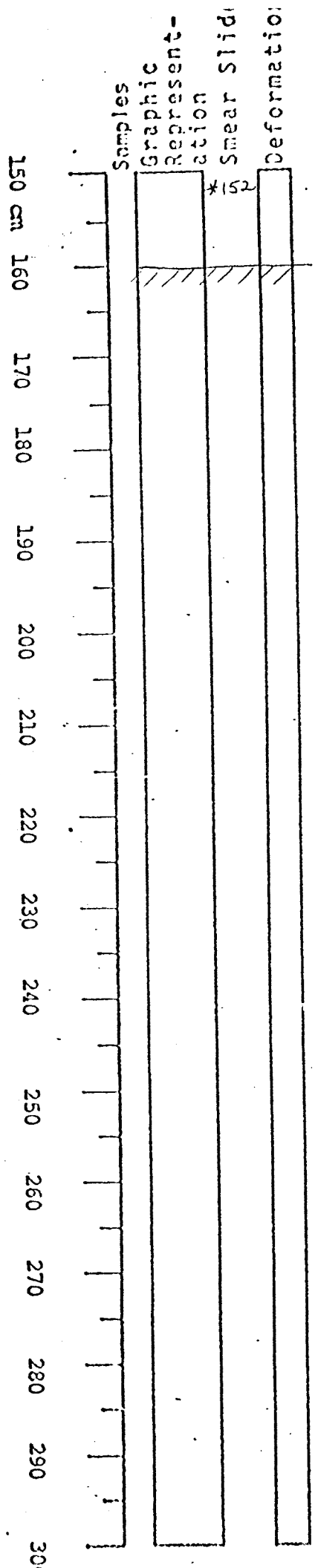
70-75 cm, olive black (5Y 2/1) mud horizontally streaked and podded in black (N1) very fine sand to silty clay

75-160 cm, olive gray (5Y 3/2) jagged shell hash in isolated pockets, ovoid and elliptical burrow traces, micaceous, 2-3 mm stringers of light olive gray (5Y 5/2) silt at 82 cm and 122 cm, homogeniety and absence of bioturbation or disconsernible structure after 125 cm except for a 1-2 mm shell fragment at 132 cm and 140 cm.

VISUAL CORE DESCRIPTION

LOCATOR														SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C			5	5	G							2

STATION#			OBSERVER
	5	5	TH



See section 1 for description

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 55G

STATION NO: 55

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	5-10 cm	Mike Field	USGS	Texture	11/16/77
2	Core Catcher	Mike Field	USGS	Biostrat.	11/16/77

NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 040° 91.52' N

LONGITUDE -124° 72.38' W

STATION NO. 56

LINE NO. E28A

DAY/MONTH/YEAR

DATE 16/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
56G	770 m	20 cm		

REMARKS:

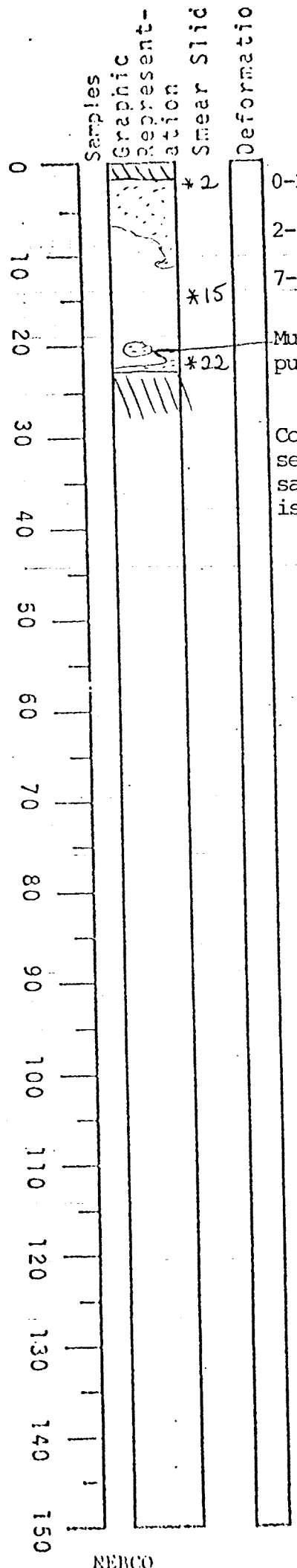
56G - core catcher in 1 qt. jar

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.	
S	9	-	7	7	-	N	C		5	6	G	1	

STATION#				OBSERVER
	5	6		CH



0-2.cm filler

2-7 cm, olive gray (5Y 4/2) sandy

7-22 cm, olive gray (5Y 3/2)

Mudstone rock, looks like it disrupted core as it pulled down into core

Core probably contains 1-2 lumps of mud (5Y 3/2) of semi-consolidated mudstone (greenish gray) in a fine sand matrix. Can't tell if any of the clay/mudstone is in place, but suspect it isn't.

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 56G

STATION NO: 56

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	1-3 cm	Clarke/Field	USGS	Grain Size	11/17/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 040° 92.45' N

LONGITUDE: -124° 70.05' W

STATION NO.: 57

LINE NO.: E28A

DAY/MONTH/YEAR

DATE: 16/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
57G	720 m	227 cm		

REMARKS:

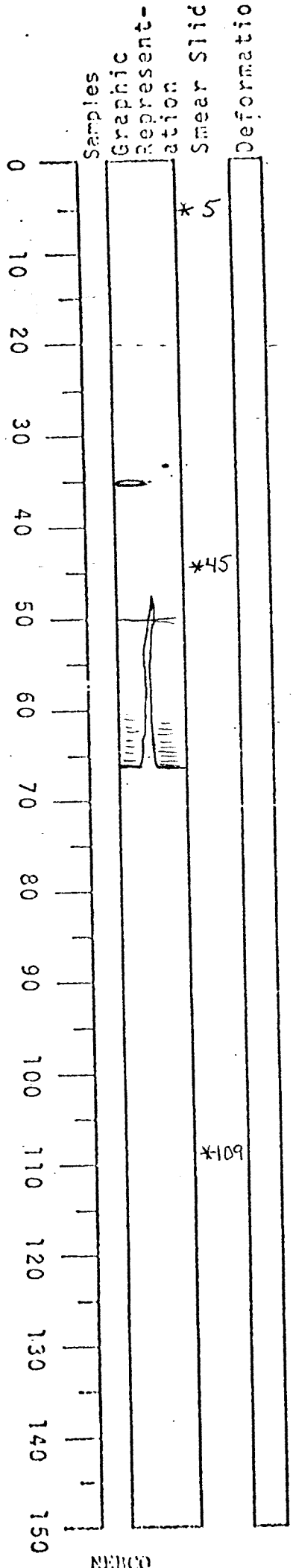
57G - core catcher in 1 quart jar
Core in two sections

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.	
S	9	-	7	7	-	N	C		5	7	G		1

STATION#				OBSERVER
	5	7		SAC



0-20 cm, homogeneous silty mud, grayish olive (10Y 4/2)

20-50 cm, homogeneous, mottled, bioturbated, dark greenish gray (5GY 4/1)

35 cm, woodchip (0.5 x 2 cm)

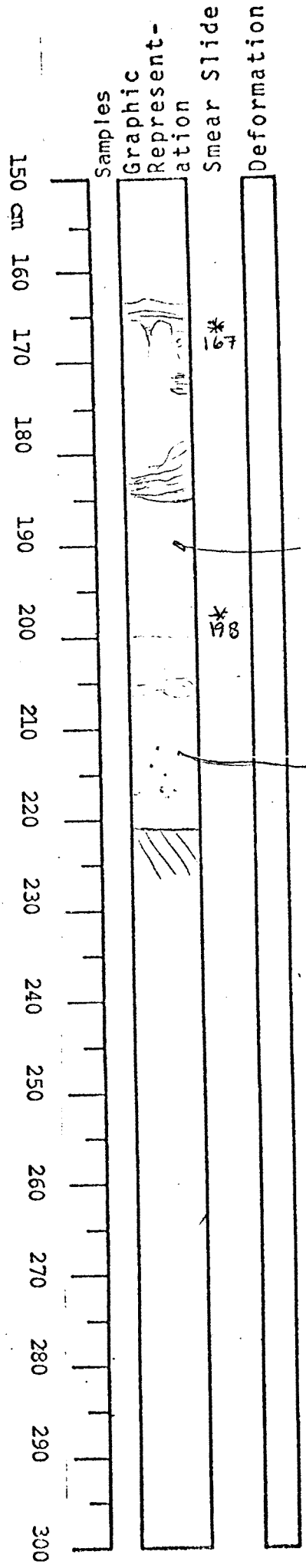
50-66 cm, thinly laminated graded silt (N3) interval, disrupted by vertical burrow (mollusk?) approx. 1 cm in diameter. From 50-60 cm graded interval is intensely burrowed.

66-150 cm, homogeneous mottled dark greenish gray (5GY 4/1) few dark streaks of carbonaceous (?) clay.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.	
S	9	-	7	7	-	N	C		5	7	G		2

STATION#				OBSERVER
	5	7		SAC



150-162 cm, dark greenish gray silty clay

162-185 cm, sandy finely laminated bed disrupted by burrowing

Shell fragment

185-200 cm, olive gray (5Y 4/2) gray streaks about 190 cm

200-207 cm, sandy bed almost completely destroyed by burrowing

Fe/Mn spots

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 57G

STATION NO: 57

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	2-4 cm	Mike Field	USGS	Grain Size	11/17/77
1	2-4 cm	Mike Field	USGS	Forams	11/17/77
2	219-221 cm	Mike Field	USGS	Biostrat.	11/17/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 040° 92.45' N

LONGITUDE: -124° 68.96' W

STATION NO.: 58

LINE NO.: E30A

DAY/MONTH/YEAR

DATE: 16/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
58G	700 m	214 cm		

REMARKS:

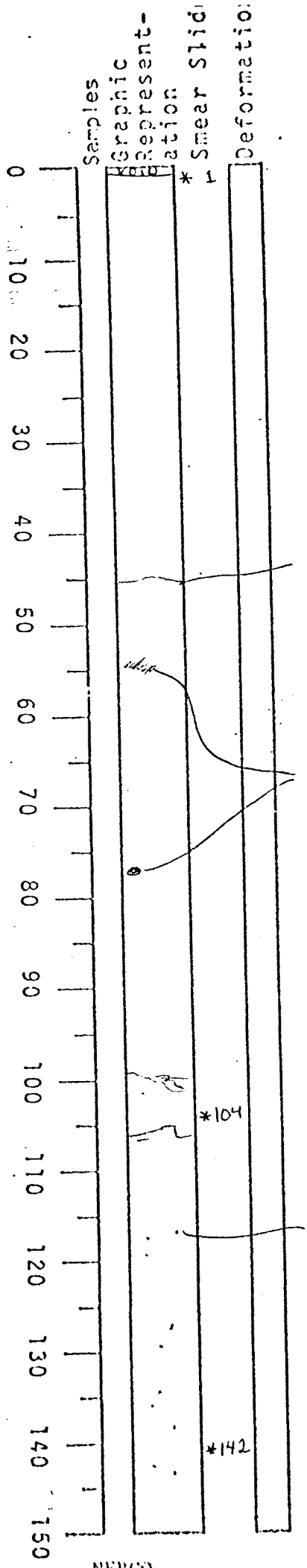
Gravity Core in two sections.

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		5	8	G	1

STATION#				OBSERVER
	5	8		CH



1-99 cm, olive gray (5Y 4/2) mottled with a few silty blebs

Oxidized clay layer

dark gray (N3) silty blebs

99-105 cm, massive dark gray (N3) silt with mica flakes 99-102 cm, bed disrupted by burrow

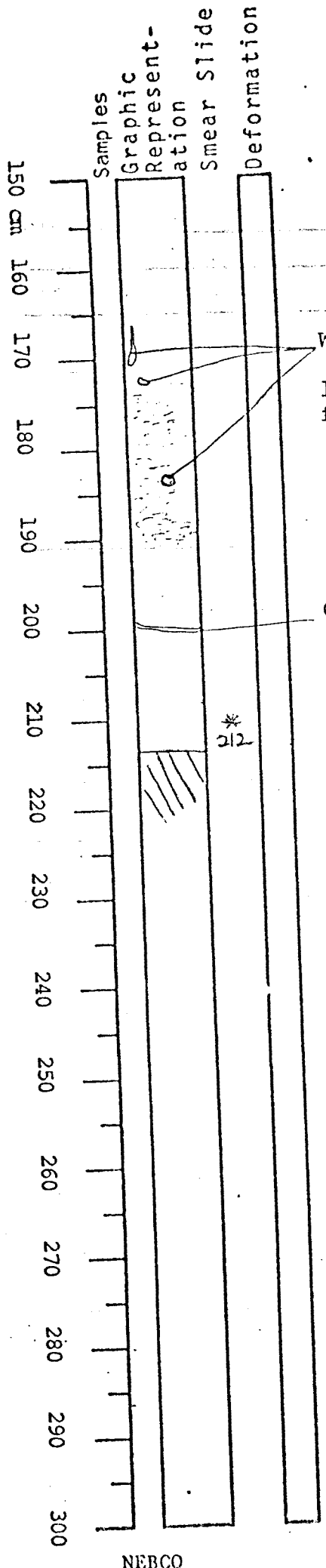
Fe/Mn spots

105-172 cm, dark greenish gray, massive with many forams

VISUAL CORE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.
S 9 - 7 7 - N C	5 8 G	2

STATION#	OBSERVER
5 8	CH



Wood Fragments

172-192 cm, dark gray (N3) or olive black (5Y 2/1) medium fine sandy zone disrupted by burrowing

Oxidized clay layer

NEBCO

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 58G

STATION NO: 58

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	4-6 cm	Mike Field	USGS	Grain Size	11/17/77
1	4-6 cm	Mike Field	USGS	Forams	11/17/77
2	211-213 cm	Mike Field	USGS	Biostrat.	11/17/77

NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 040° 95.11-95.204' N

LONGITUDE -124° 64.575-64.341' W

STATION NO. 59

LINE NO. E30A

DAY/MONTH/YEAR

DATE 16/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
59G1	650 m	216 cm		
59G2	650 m	237 cm		

REMARKS:

Gravity Core 59G1 - Hydrocarbon Sample

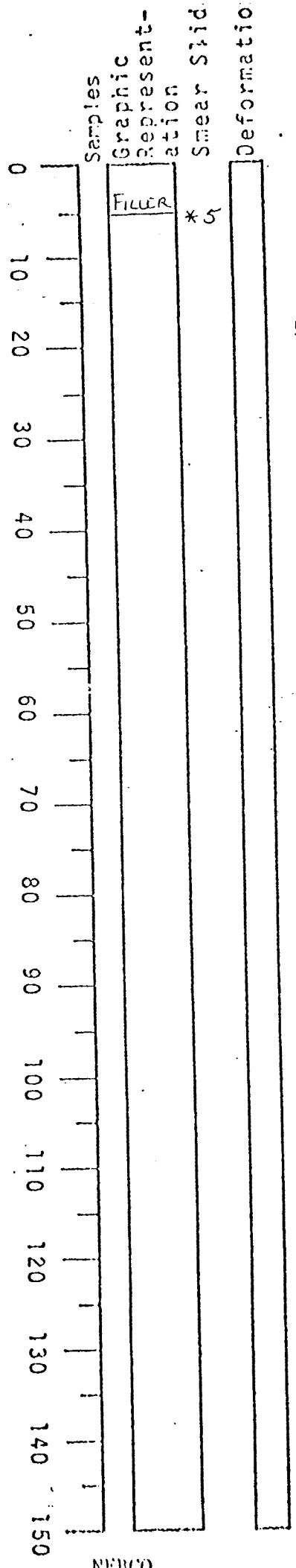
Gravity Core 59G2 - in two sections, core catcher in 1 qt. jar

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C	5	9	G	2		1

STATION#				OBSERVER
	5	9		CH

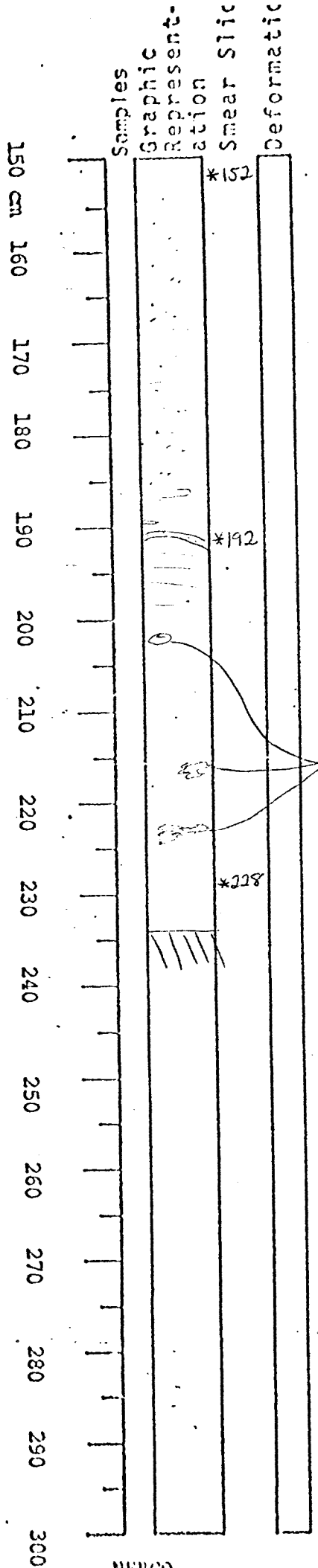


5-150 cm, olive gray (5Y 3/2) bioturbated

VISUAL CORE DESCRIPTION

LOCATOR														SAMPLE NO.				SEC.	
S	9	-	7	7	-	N	C			5	9	G	2					2	

STATION#				OBSERVER
	5	9		CH



Fe/Mn Spots

150-189 cm, homogeneous olive gray (5Y 3/2) possibly finely laminated

189-195 cm, dark gray (N3) lens of _____ with gray clay below, pulled down at edges, but other beds lower down not deformed.

195-232 cm, olive gray (5Y 3/2) faintly laminated (?) blebs of olive black (5Y 2/1) silt.

Day

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 59G2

STATION NO: 59

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	(Top) 15-17 cm	Sam Clarke	USGS	Grain Size	11/17/77
1	15-17 cm	Sam Clarke	USGS	Forams	11/17/77
2	229-231 cm	Sam Clarke	USGS	Biostrat.	11/17/77

NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 040° 95.68' N

LONGITUDE -124° 63.16' W

STATION NO. 60

LINE NO. E30A

DAY/MONTH/YEAR

DATE 16/11/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
60G	470 m	Recovery		

REMARKS:

Gravity Core 60G - recovered 1 quart jar of sand and gravel, sample was loose ... in core barrel, above catcher

NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 040° 95.62' N

LONGITUDE -124° 62.86' W

STATION NO. 61

LINE NO. E30A

DAY/MONTH/YEAR

DATE 16/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
61G	470 m	30 cm		

REMARKS:

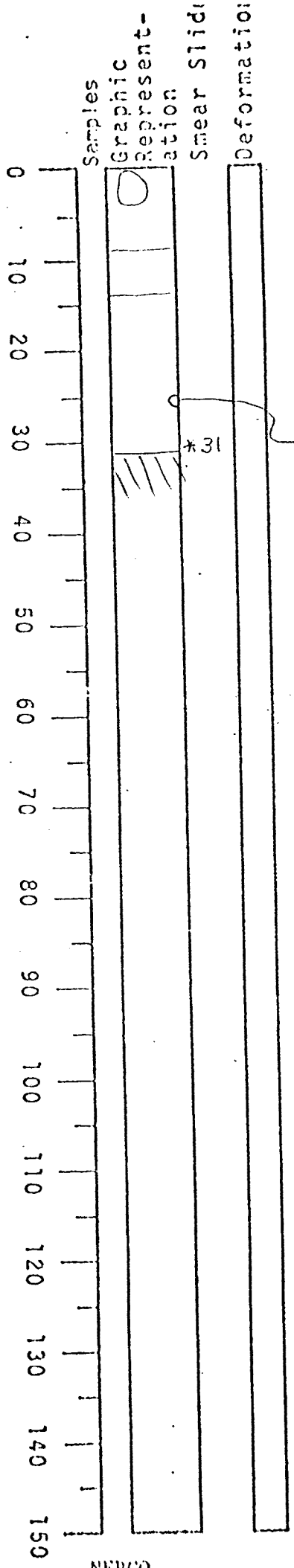
Gravity Core 61G - core catcher in 8 oz. jar

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		6	1	G	1

STATION#				OBSERVER
	6	1		CH



5 cm rock subangular, dark volcanic? rock fragments

7-8 cm, greenish gray (5G 4/1) weathered basic-ultrabasic volcanic? Olive gray (5Y 3/2)

Shale fragment

7-13 cm, sand, medium to coarse greenish black (5G 2/1) mostly lithic fragments

13-31 cm, homogeneous silty to sandy mud, olive gray (5Y 3/2)

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 61G

STATION NO: 61

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	(Top) 5-7 cm	Sam Clarke	USGS	Grain Size	11/17/77
1	5-7 cm	Sam Clarke	USGS	Forams	11/17/77
1	28-30 cm	Sam Clarke	USGS	Biostrat.	11/17/77

NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 040° 95.17' N

LONGITUDE -124° 62.15' W

STATION NO. 62

LINE NO. E30A

DAY/MONTH/YEAR

DATE 16/11/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
62G		No Recovery		

REMARKS:

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 040° 93.55-93.61' N

LONGITUDE -124° 61.73-61.90' W

STATION NO. 63

LINE NO. E30A

DAY/MONTH/YEAR

DATE 16/11/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Gravity 63G	510 m	CC Only		
Dart Core 63D	505 m	18 cm		

REMARKS:

63G - core catcher recovery (12 oz. container)

63D Bottom - sediment on outside of core barrel

NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 040° 94.64' N

LONGITUDE -124° 60.23' W

STATION NO. 64

LINE NO. E30A

DAY/MONTH/YEAR

DATE 16/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Gravity 64G	630 m	1 mm		

REMARKS:

64G - recovered 1 vial - mud lump

NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 040° 95.46' N

LONGITUDE -124° 57.77' W

STATION NO. 65

LINE NO. E30A

DAY/MONTH/YEAR

DATE 16/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Gravity 65G	580 m	174 cm		

REMARKS:

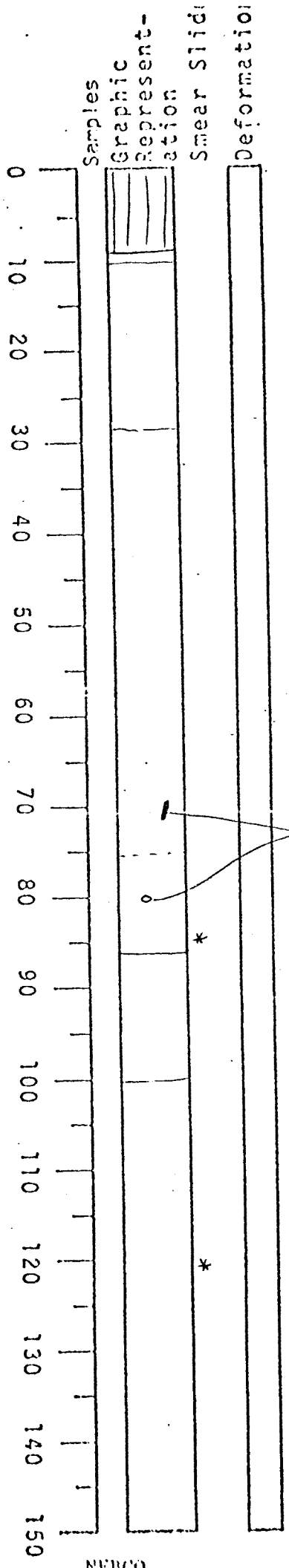
65G - two sections

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		6	5	G	1

STATION#				OBSERVER
	6	5		SAC



0-8 cm, plug

8-10 cm, water + sediment

10-28 cm, silty mud, gray olive green (5GY 3/2), appears homogeneous, structureless

28-100 cm, silty mud, olive gray (5Y 4/2), intensely burrowed, burrows approx. 1 cm diameter, scattered mollusk fragments. Contact with slight color change at 86 cm, occasional pockets (about 1 cm) of dark fine sand.

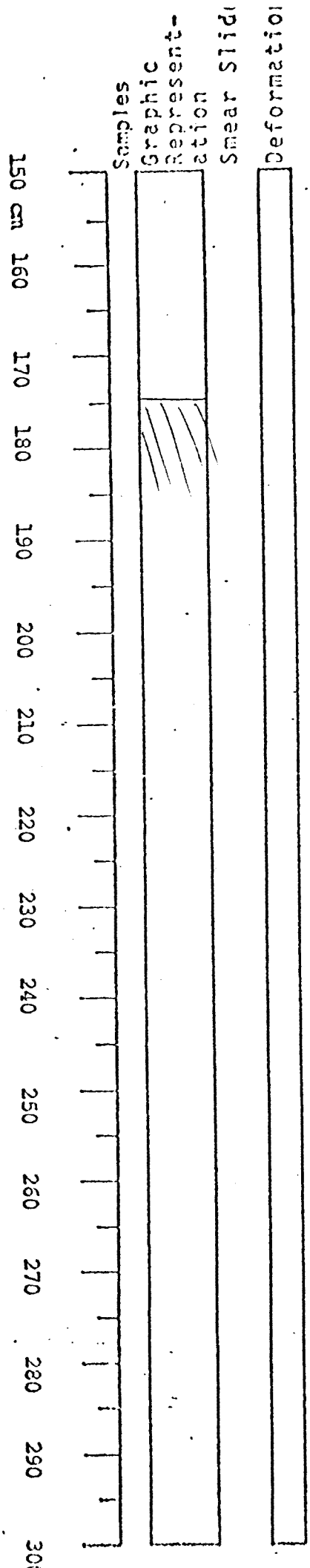
Mollusk fragments

100-150 cm, homogeneous mud, dark greenish gray (5GY 4/1), contains fragments of tubes and is mottled indistictly, bioturbation throughout.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.	
S	9	-	7	7	-	N	C		6	5	G		2

STATION#				OBSERVER
	6	5		SAC



150-174 cm, mud, dark greenish gray (5GY 4/1), mottled throughout, indicating extensive bioturbation

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 65G

STATION NO: 65

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	(top) 11-13 cm	Sam Clarke	USGS	Grain Size	11/17/77
1	11-13 cm	Sam Clarke	USGS	Forams	11/17/77
2	170-172 cm	Sam Clarke	USGS	Biostrat.	11/17/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 040° 96.97' N

LONGITUDE: -124° 54.18' W

STATION NO.: 66

LINE NO.: E30A

DAY/MONTH/YEAR

DATE: 16/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Gravity Core 66G	530 m	241 cm		

REMARKS:

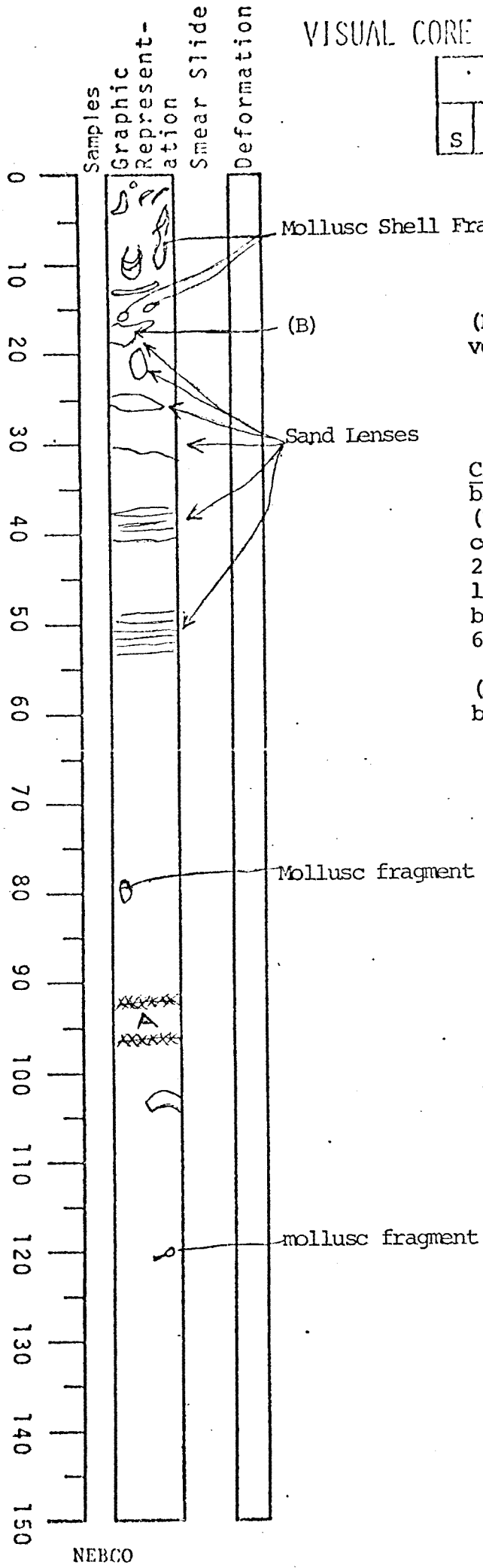
66G - core in two sections

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.
S 9 - 7 7 - N C	6 6 G	1

STATION#	OBSERVER
6 6	JVG



(B) Foram Sand, grayish olive (10Y 4/2), very disturbed and contorted.

Clay, dark greenish gray, (5GY 4/1), bioturbated, flecks and streaks of Fe/Mn (?), sandy lenses at 0-5 cm (probably coring disturbance), 8-10 cm, 11, 19-21, 24-25, 30-40, 48-54 cm. Contacts with lithology "A" are both gradational and burrowed. Mollusc fragments at 4-9, 15, 69, 79, and 120 cm.

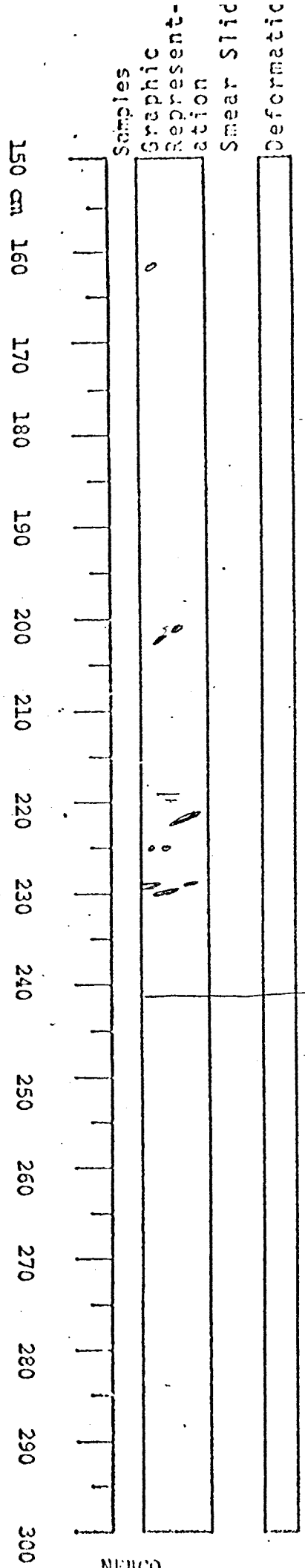
(A) Clay, greenish gray (5GY 6/1, bioturbated

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		6	6	G		2

STATION#				OBSERVER
	6	6		JVG



Clay, dark greenish gray, homogeneous, flecks and streaks of Fe/Mn, Mollusc fragments at 160 cm and reddish brown fragments at 200-201 cm, thin (2 mm) laminae of coarser material at 219 to 240 cm

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 66G

STATION NO: 66

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	6-8 cm top	Sam Clarke	USGS	Grain Size	11/17/77
1	6-8 cm	Sam Clarke	USGS	Forams	11/17/77
2	237-239 cm	Sam Clarke	USGS	Biostrat.	11/17/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 040° 97.80' N

LONGITUDE: -124° 52.97' W

STATION NO.: 67

LINE NO.: E30A

DAY/MONTH/YEAR

DATE: 16/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Gravity 67G	550 m	177 cm		

REMARKS:

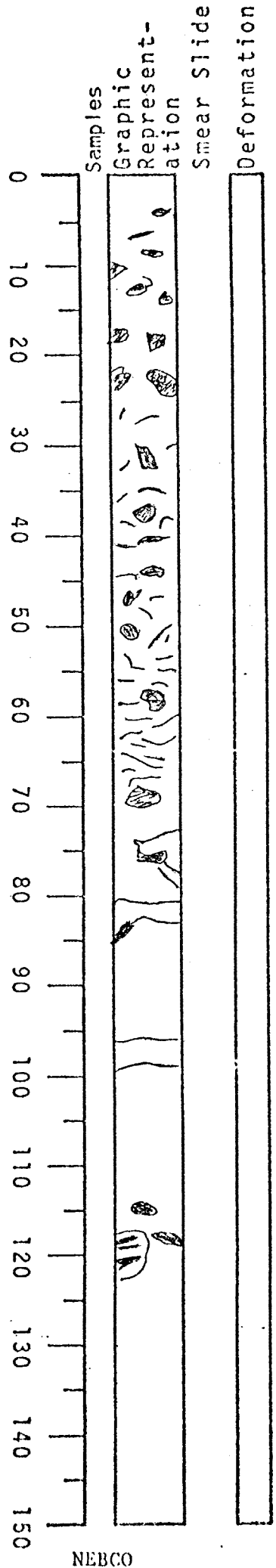
67G - core in two sections

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		6	7	G		1

STATION#				OBSERVER
		6	7	JVG



*Note: H_2S odor strong when core was split

0-85 cm, Silt and Sand, dark gray (N3), appears either disrupted by burrows or during coring, Interbedded with a clay, dark greenish gray (5GY 4/1), flecks and streaks of Fe/Mn.

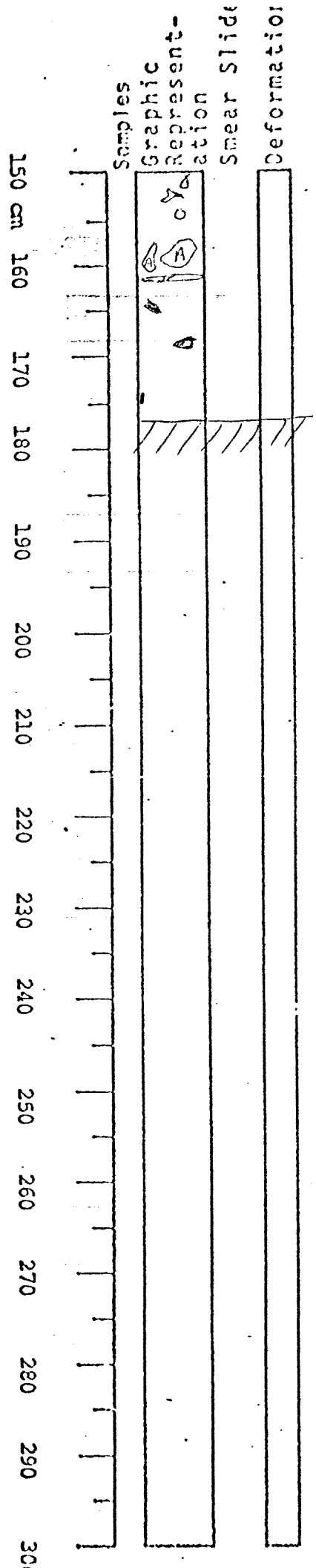
85-150 cm, Clay, dark greenish gray (5GY 4/1), flecks and streaks of Fe/Mn, homogeneous, lenses of silt at 88, 90, 92, 110, 120, and 140 cm. Silt occurs as pods and/or lenses at 97 to 99 cm as a clay, medium bluish gray (5B 5/1) occurs, burrowed, contacts are sharp.

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.	
S	9	-	7	7	-	N	C		6	7	G		2

STATION#				OBSERVER
	6	7		JVG



Clay, dark greenish gray (5GY 4/1) burrowed, flecks of Fe/Mn, interbedded with Sand, dark gray (N3), disturbed lenses, and a Clay, greenish gray (5G 6/1), homogeneous - labelled "A", pods appearing to be disturbed.

Bottom of core at 177 cm

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 67G

STATION NO: 67

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-2 cm	Sam Clarke	USGS	Grain Size	11/17/77
1	0-2 cm	Sam Clarke	USGS	Forams	11/17/77
2	174-176 cm	Sam Clarke	USGS	Biostrat.	11/17/77

NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 040° 98.53' N

LONGITUDE -124° 51.67' W

STATION NO. 68

LINE NO. E30A

DAY/MONTH/YEAR

DATE 16/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Gravity 68G	535 m	220 cm		

REMARKS:

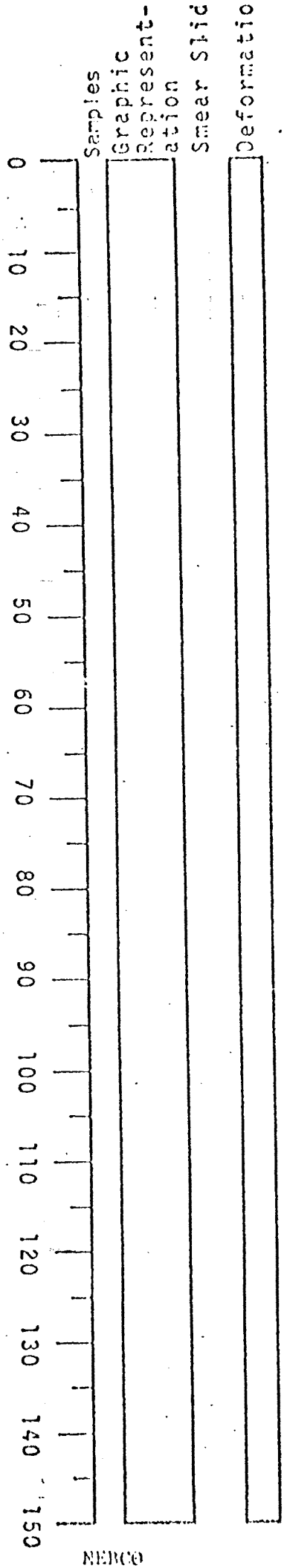
68G - core in two sections

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		6	8	G		1

STATION#			OBSERVER
	6	8	



0-20 cm, soupy mud with rare shell fragments

20-70 cm, undifferenciated mud with black streaks (Mn?)

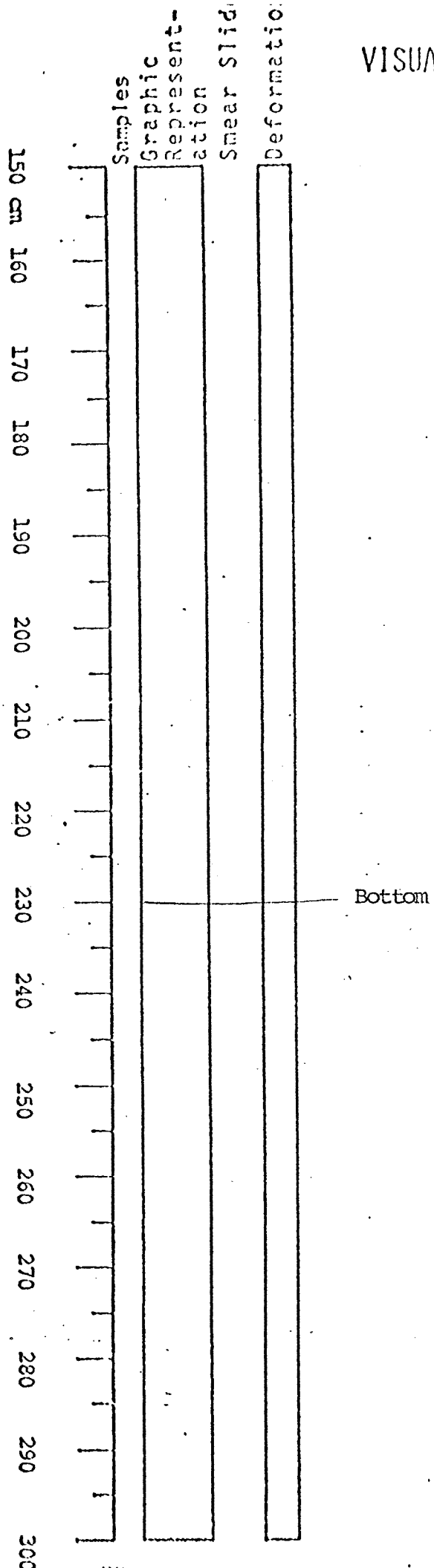
70-180 cm, occasional lenses of mud/burrows

208 cm, graded beds (?)

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		6	8	G	2

STATION#			OBSERVER
	6	8	



See section 1 for description

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 68G

STATION NO: 68

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-5 cm	Mike Field	USGS	Forams	11/18/77
1	5-10 cm	Mike Field	USGS	Texture	11/18/77

NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 040° 98.07' N

LONGITUDE -124° 50.84' W

STATION NO. 69

LINE NO. E30A

DAY/MONTH/YEAR

DATE 17/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
69G	520 m	221 cm		

REMARKS:

Core Catcher in 1 quart jar

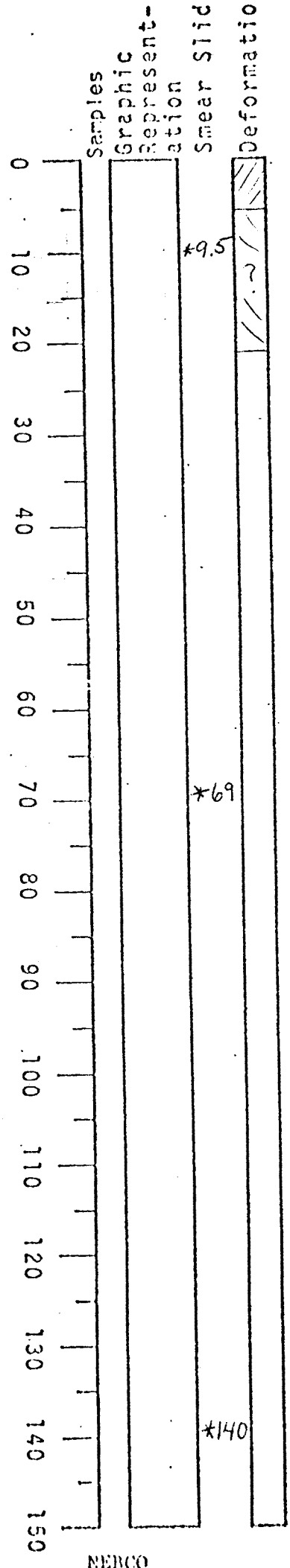
Core in two sections.

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.
S 9 - 7 7 - N C	6 9 G	1

STATION#	OBSERVER
6 9	



(Quickie)

2 sections - total 217 cm

0-6 cm, fluidized and disturbed

6-22 cm segregated by texture - appears disturbed

22-45 cm, clayey slightly sandy silt brown in color

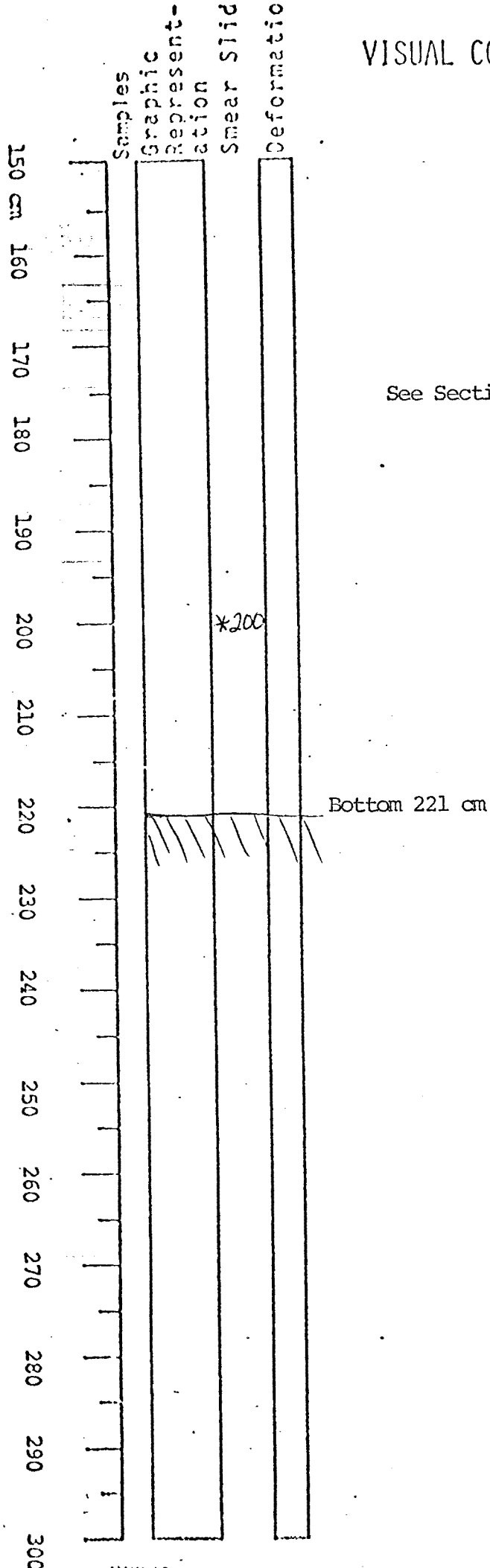
48-62 cm, light brown clayey silt, subtle lower contact

62-217 cm, gray brown clayey slightly sandy silt. Entire unit is well laminated and burrowed. Discrete layers up to 5 cm thick and thinner laminae of finer grained material occur throughout. Burrows up to 6 cm in diameter as well as irregular shaped burrows common throughout.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		6	9	G		2

STATION#				OBSERVER
	6	9		



See Section 1 for description

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 69G

STATION NO: 69

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	5-10 cm	Field, Mike	USGS	Texture	11/17/77
2	Core Catcher	Field, Mike	USGS	Biostrat.	11/17/77

NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 041° 01.72' N

LONGITUDE -124° 52.22' W

STATION NO. 70

LINE NO. E30A

DAY/MONTH/YEAR

DATE 17/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
70G	600 m	267 cm		

REMARKS:

Core Catcher in 1 quart jar

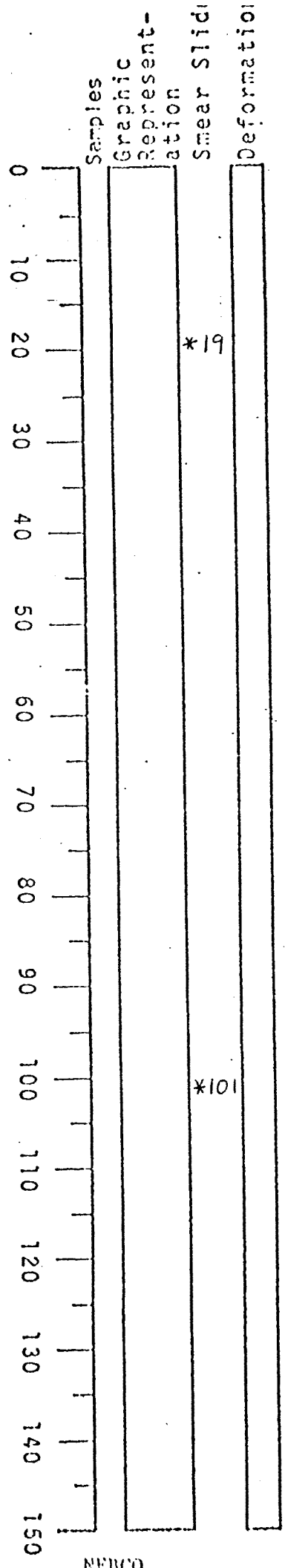
Core in 2 sections

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		7	0	G		1

STATION#				OBSERVER
	7	0		



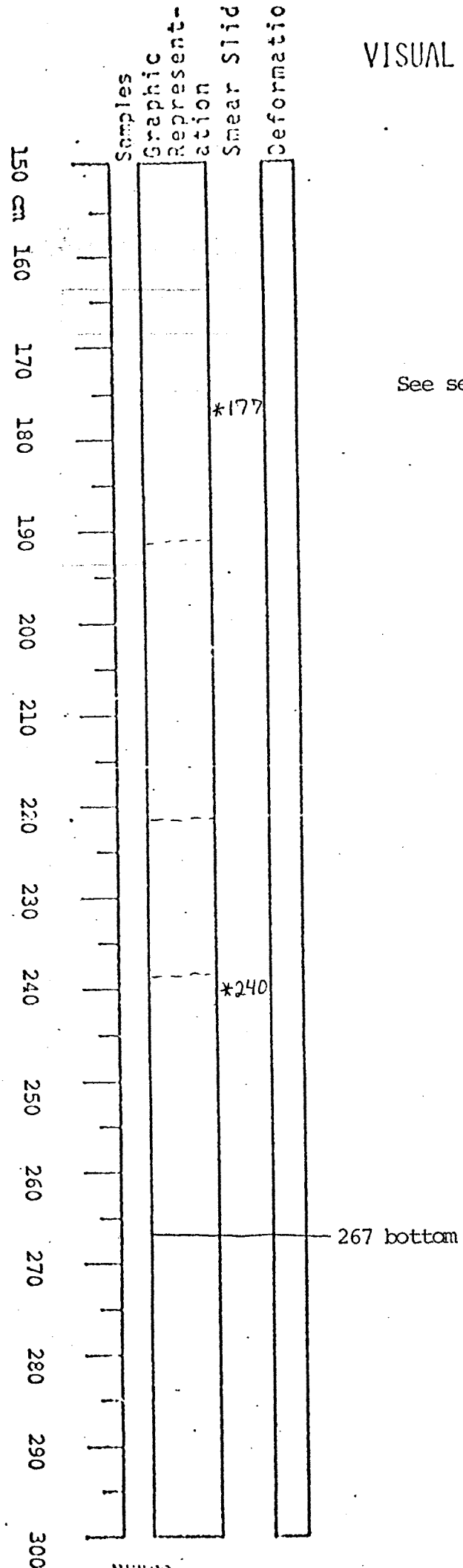
Homogeneous mud with dark bands (Mn?) at 11 cm, 18 cm, some faint horizontal near bottom of second section

NERCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		7	0	G		2

STATION#				OBSERVER
	7	0		



See section 1 for description

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 70G

STATION NO: 70

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	5-10 cm	Mike Field	USGS	Texture	11/17/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 041° 02.19' N

LONGITUDE: -124° 50.70' W

STATION NO.: 71

LINE NO.: E30A

DAY/MONTH/YEAR

DATE: 17/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
71G	580 m	277 cm		

REMARKS:

Core Catcher in 8-oz. jar

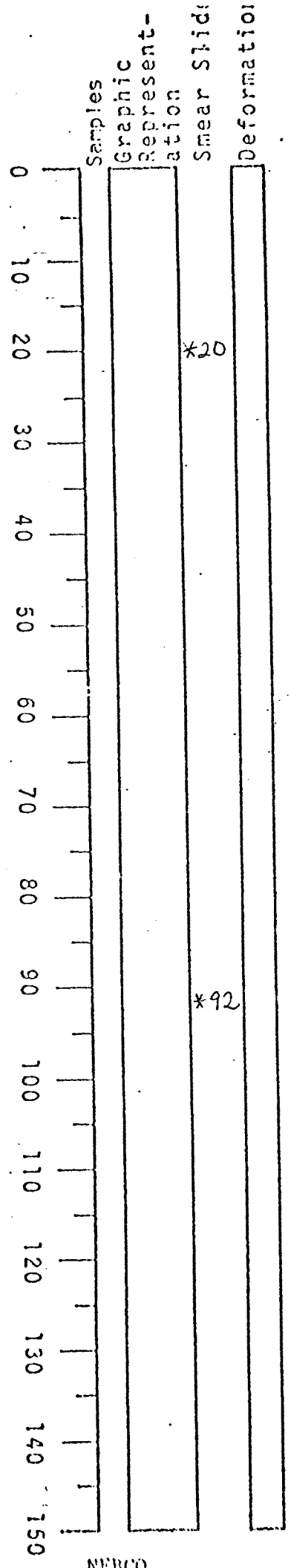
Core in 2 sections

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		7	1	G		1

STATION#				OBSERVER
	7	1		



0-20 cm, occasional black streaks in mud

93 cm, linear feature

125-150 cm, cross-beds

168 cm, finer grain layer

130-232 cm, some thin (¼") graded layers

232 cm, bottom cross-beds

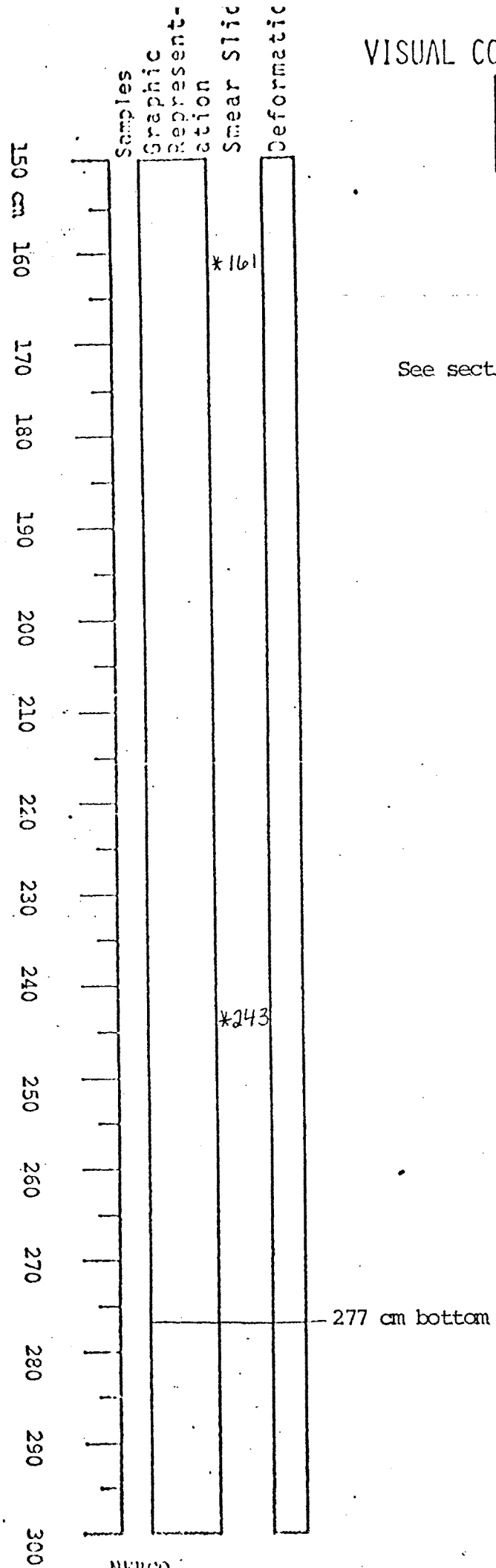
NERCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		7	1	G	2

STATION#				OBSERVER
		7	1	

See section 1 for description



SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 71G

STATION NO: 71

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	5-10 cm	Mike Field	USGS	Texture	11/17/77
2	Core Catcher	Mike Field	USGS	Biostrat.	11/17/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 041° 03.76' N

LONGITUDE: -124° 48.35' W

STATION NO.: 72

LINE NO.: E30A

DAY/MONTH/YEAR

DATE: 17/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
72G	570 m	243 cm		

REMARKS:

Core Catcher in 1 quart jar

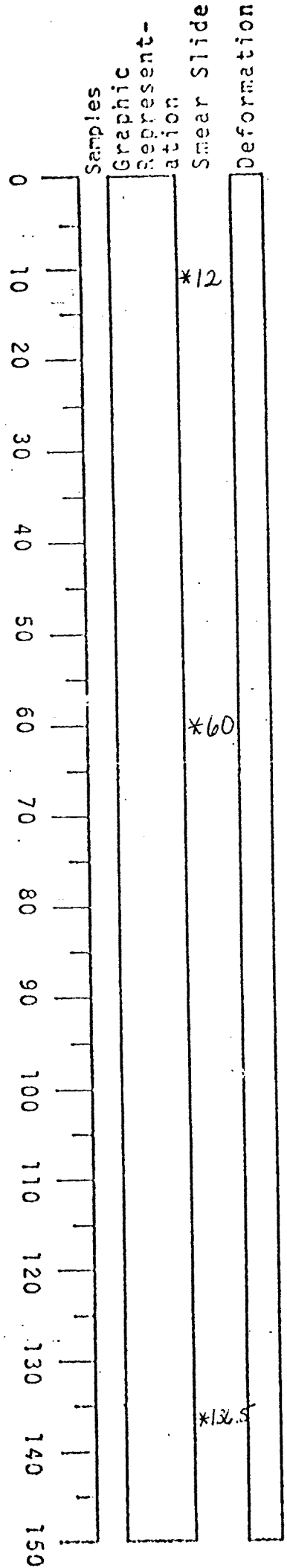
Core in 2 sections

NEBOO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		7	2	G			1

STATION#				OBSERVER
	7	2		



0-58 cm, black streak at 14 cm, soupy mud

58-70 cm, structureless mud

70-140 cm, subtly laminated

140-150 cm, cross-bed

172-175 cm, cross-bed

175-220 cm, bioturbated, clam burrow

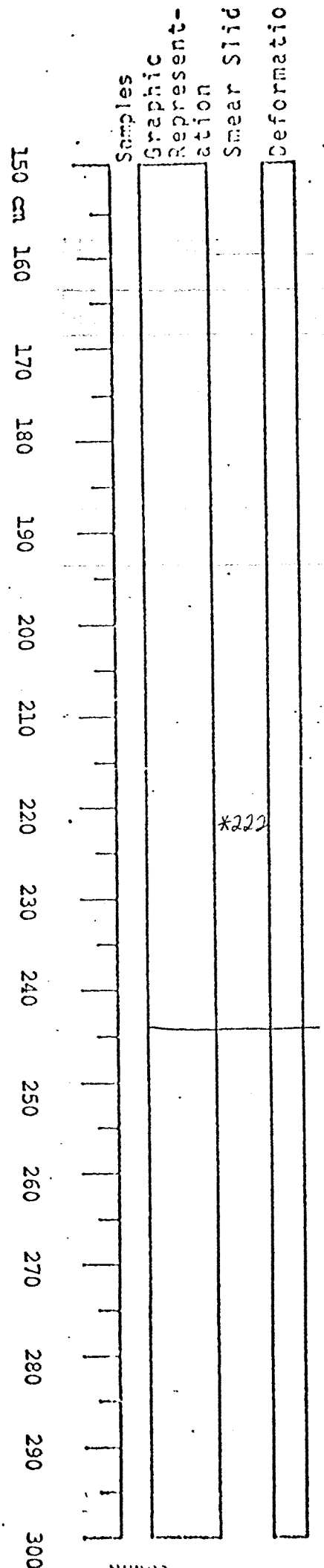
220 cm, bottom, graded laminae

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		7	2	G		2

STATION#				OBSERVER
	7	2		

See section 1 for description



SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 72G

STATION NO: 72

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	5-10 cm	Mike Field	USGS	Texture	11/17/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 041° 07.22' N

LONGITUDE: -124° 41.10' W

STATION NO.: 73

LINE NO.: E30A

DAY/MONTH/YEAR

DATE: 17/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
73G	408 m	239 cm		

REMARKS:

Core Catcher in 1 quart jar

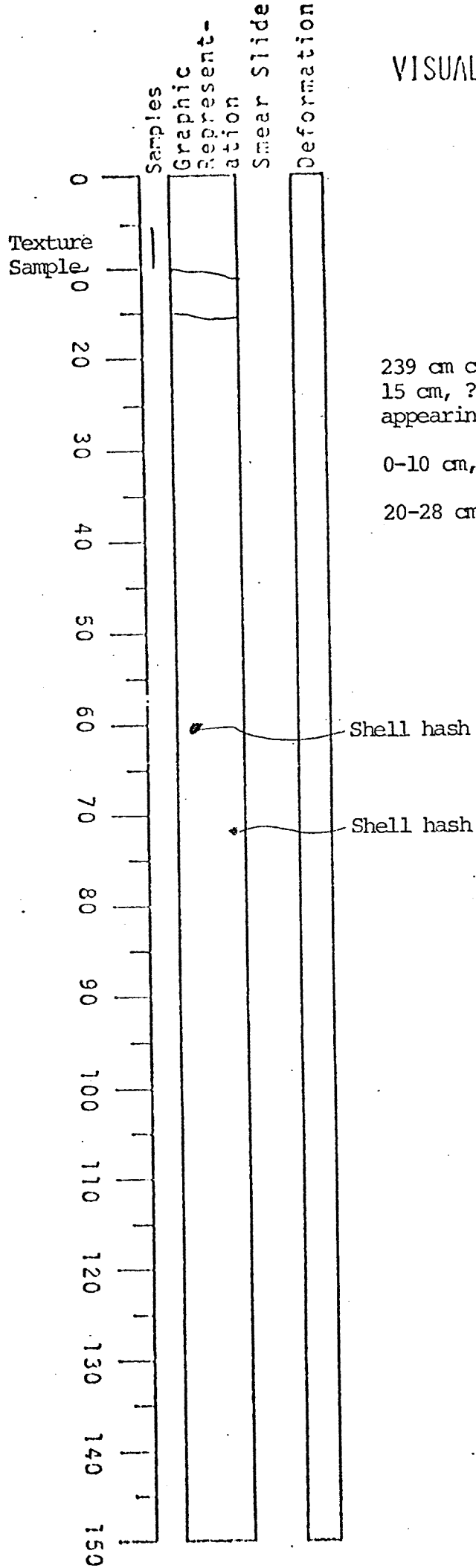
Core in 2 sections

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.
S 9 - 7 7 - N C	7 3 G	1

STATION#	OBSERVER
7 3	



239 cm core - olive gray (5Y 3/2), contacts at 10 cm, 15 cm, ?48 cm, generally silty-clayey homogeneous appearing.

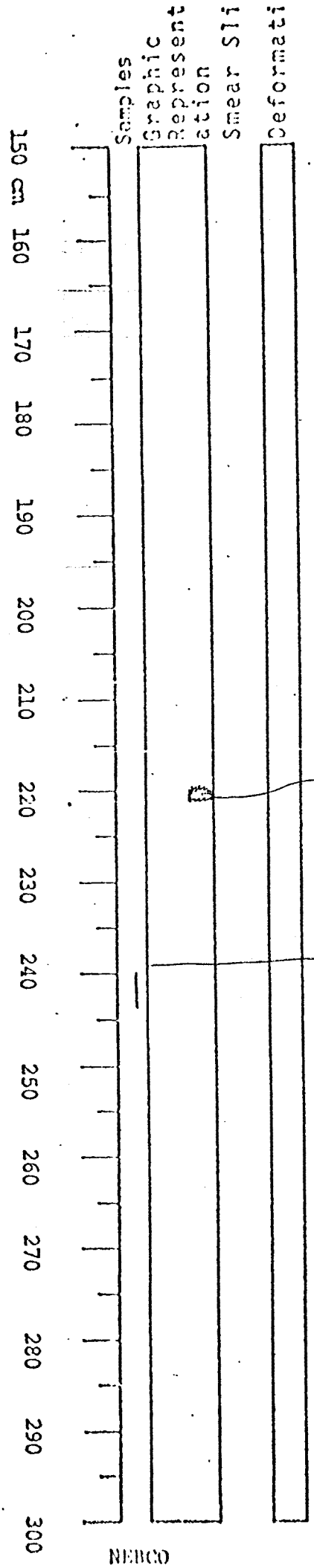
0-10 cm, coring disrupted mud

20-28 cm, ? very fine sand or silty clay

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		7	3	G		2

STATION#				OBSERVER
		7	3	



See section 1 for description

moderate yellowish brown (10YR 5/4) fragmented material about 1 x ¼ cm

239 cm Bottom

Core Catcher for biostratigraphy sample

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 73G

STATION NO: 73

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-5 cm	Mike Field	USGS	Texture	11/17/77
1	5-10 cm	Mike Field	USGS	Forams	11/17/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 041° 16.11' N

LONGITUDE: -124° 60.44' W

STATION NO.: 74

LINE NO.: E19A

DAY/MONTH/YEAR

DATE: 17/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
74G	1160 m	293 cm		

REMARKS:

Core Catcher sample in quart jar

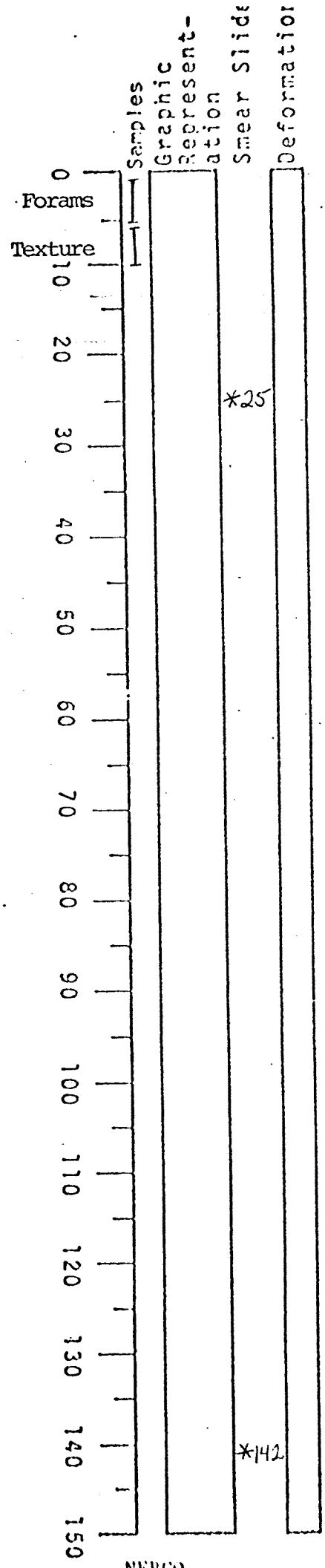
Core in 2 sections

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.
S 9 - 7 7 - N C	7 4 G	1

STATION#	OBSERVER
7 4	



0-20 cm, mud, olive gray highly disturbed by coring operation

25 cm, smear slide

20-46 cm, silty mud, olive gray with streaks and blotches of black, disturbed, faint contact

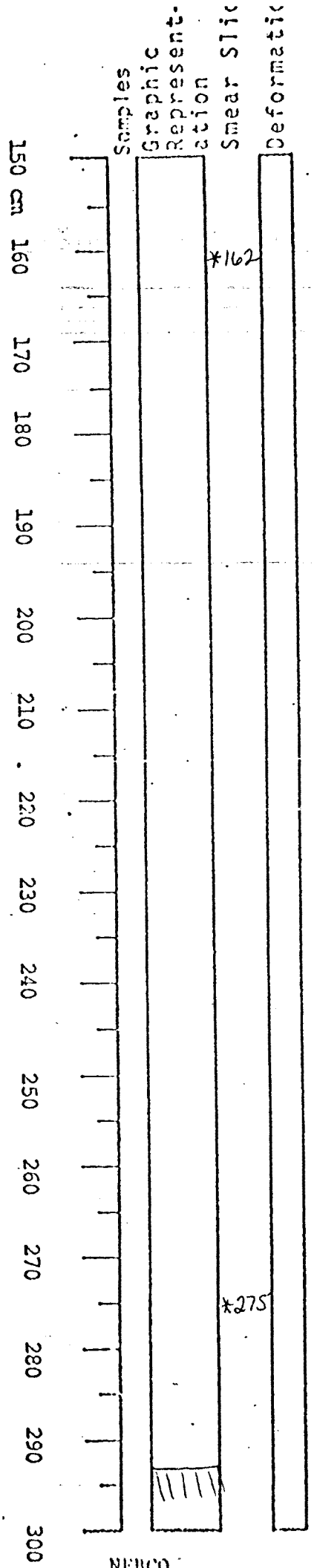
46-293 cm, silty mud, olive gray with black streaks, mottled, burrowed, large pelecypod with burrow at 169 cm

142 cm, smear slide

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.	
S	9	-	7	7	-	N	C			7	4	G		2

STATION#				OBSERVER
	7	4		



162 cm, smear slide

See section 1 for description

275 cm, smear slide

293 cm - Bottom of core

NERCO

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 74G

STATION NO: 74

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-10 cm	Mike Field	USGS	Forams	11/17/77
1	5-10 cm	Mike Field	USGS	Texture	11/17/77
2	Core Catcher	Mike Field	USGS	Biostrat.	11/17/77

NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 041° 20.20' N

LONGITUDE -124° 60.31' W

STATION NO. 75

LINE NO. E19A

DAY/MONTH/YEAR

DATE 17/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
75G	1178 m	298 cm		

REMARKS:

Core Catcher in 1 quart jar

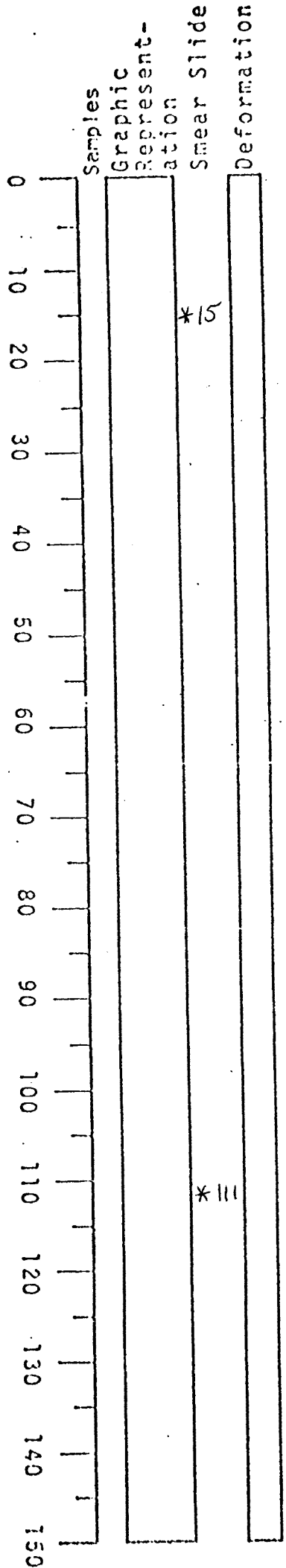
Core in 2 sections

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		7	5	G		1

STATION#				OBSERVER
	7	5		

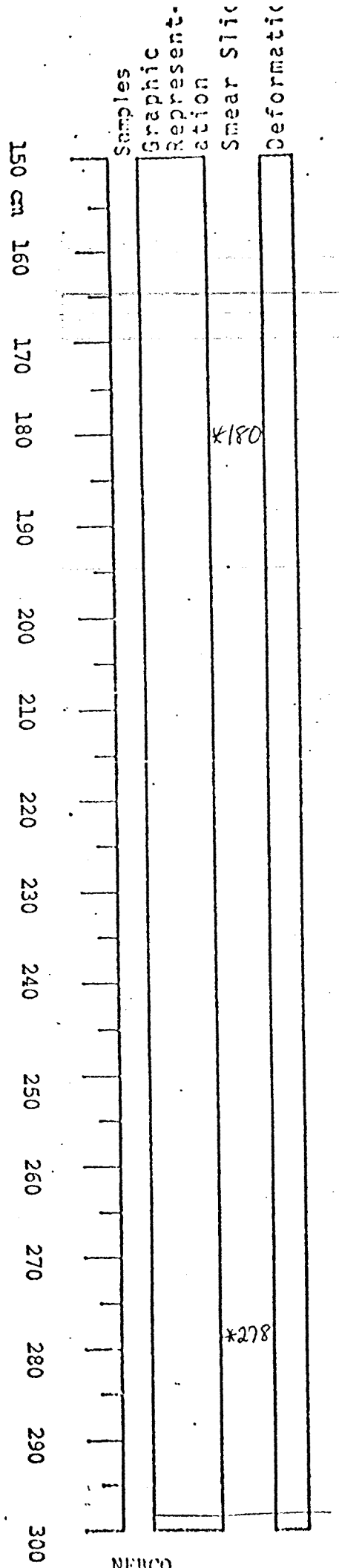


Unstructured mud
Black lenses scattered throughout length of core
150 cm to bottom shows continuous subtle layering
(approx. 1/8") also exhibits black lenses

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.	
S	9	-	7	7	-	N	C		7	5	G		2

STATION#				OBSERVER
	7	5		



See section 1 for description

298 cm - Bottom

NEWCO

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 75G

STATION NO: 75

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	5-10 cm	Mike Field	USGS	Texture	11/17/77
1	0-5 cm	Mike Field	USGS	Forams	11/17/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 041° 26.94' N

LONGITUDE: -124° 63.63' W

STATION NO.: 76

LINE NO.: E19A

DAY/MONTH/YEAR

DATE: 17/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
76G	1120 m	262 cm		

REMARKS:

Core Catcher in 8 oz. jar

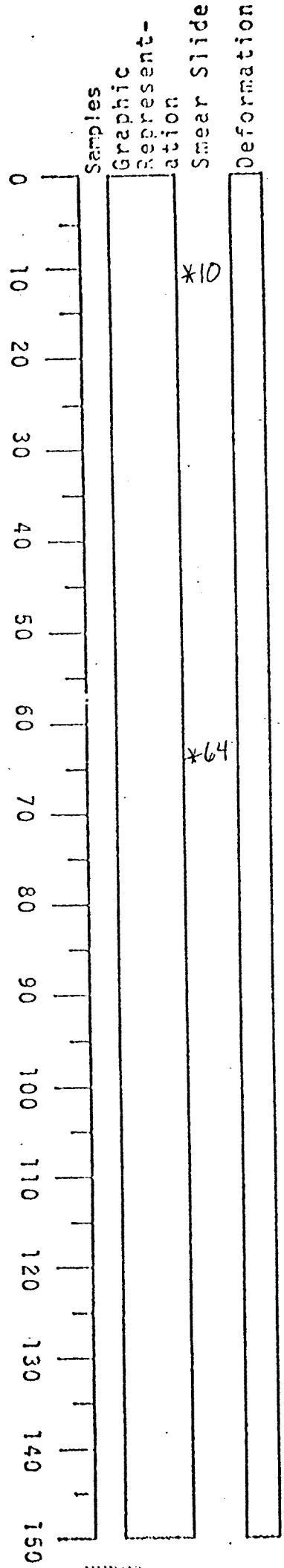
Core in 2 sections

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		7	6	G		1

STATION#				OBSERVER
		7	6	



Synopsis

0-18 cm, soupy mud

18-80 cm, graded beds (1/8") of fine-grain texture

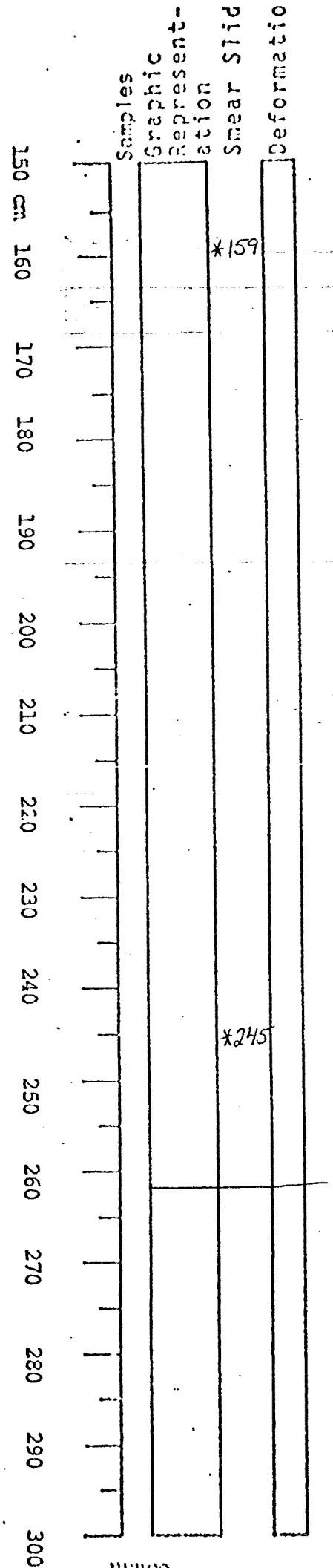
80cm to bottom, graded beds of coarse texture interspersed among fine texture layers

Black stringers and layers scattered throughout

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.	
S	9	-	7	7	-	N	C		7	6	G		2

STATION#				OBSERVER
		7	6	



See section 1 for description

262 cm, bottom

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 76G

STATION NO: 76

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	5-10 cm	Mike Field	USGS	Texture	11/17/77
1	0-5 cm	Mike Field	USGS	Forams	11/17/77

NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 041° 29.69' N

LONGITUDE -124° 64.61' W

STATION NO. 77

LINE NO. E19A

DAY/MONTH/YEAR

DATE 17/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
77G	1125 m	190 cm		

REMARKS:

Core Catcher in 8 oz. jar

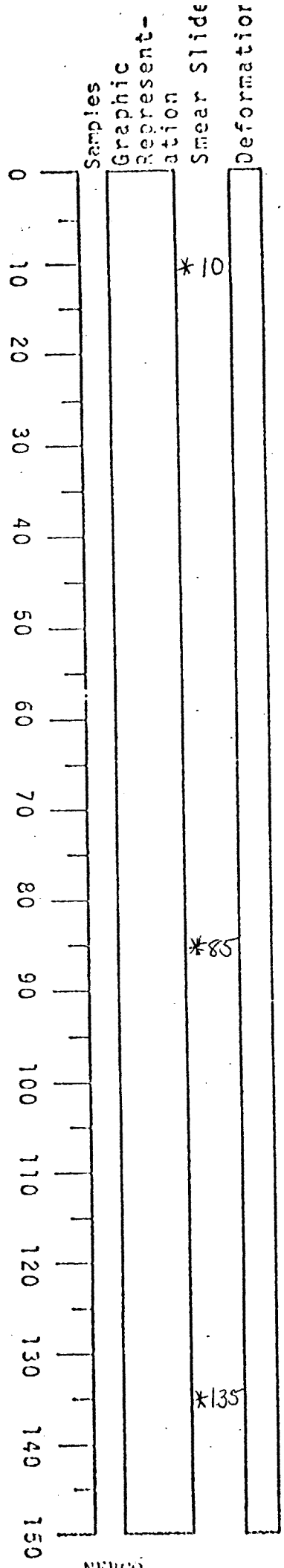
Core in 2 sections

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		7	7	G		1

STATION#				OBSERVER
	7	7		



Synopsis

0-25 cm mud

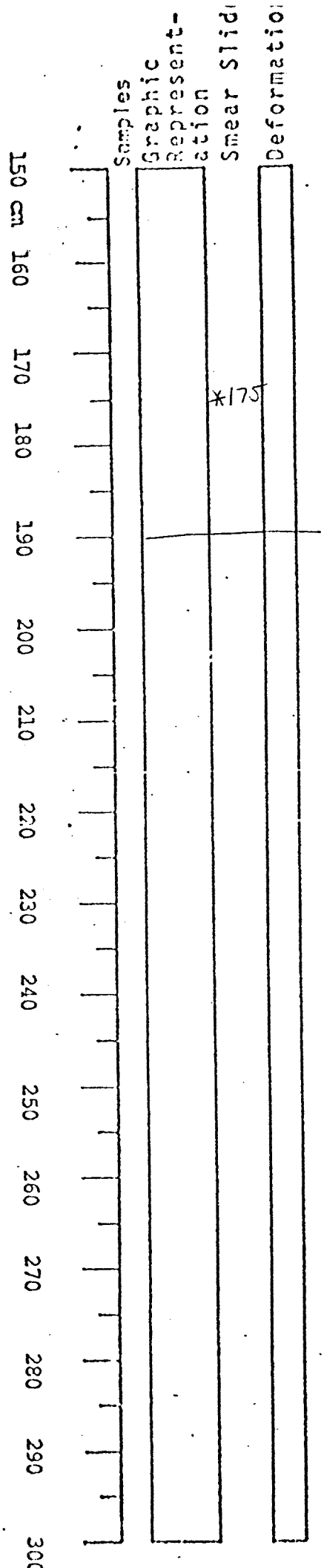
25-150 cm strongly bioturbated mud and sand layers
Mud:Sand ratio is approx. 4:1

150-Bottom 75% sand layers, less bioturbated

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		7	7	G		2

STATION#				OBSERVER
		7	7	



See Section 1 for description

Bottom 190 cm

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 041° 25.58' N

LONGITUDE: -124° 55.23' W

STATION NO.: 78

LINE NO.: E21A

DAY/MONTH/YEAR

DATE: 17/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
78G	1040 m	274 cm		

REMARKS:

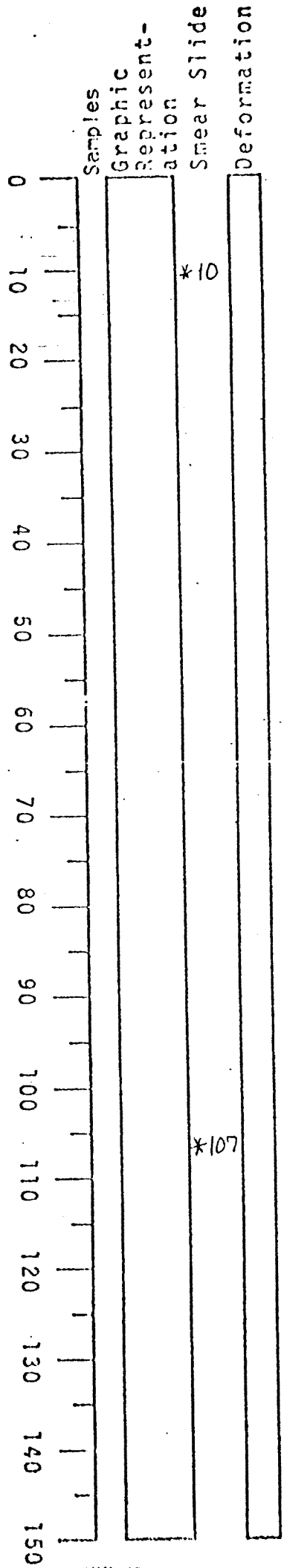
Core Catcher in 1 quart jar

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		7	8	G		1

STATION#				OBSERVER
	7	8		



Synopsis

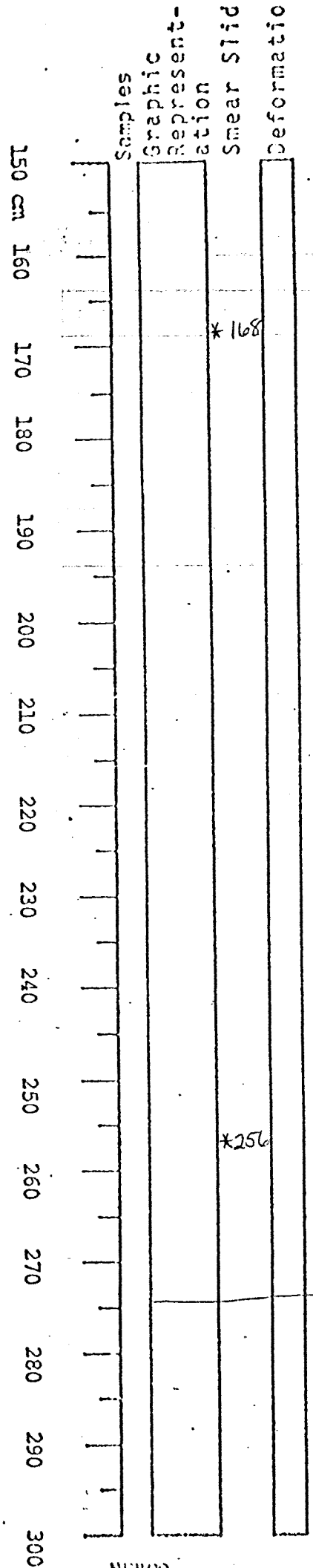
Undifferentiated mud

Shell fragments at 46 and 141 cm

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		7	8	G		2

STATION#				OBSERVER
	7	8		



See section 1 for description

274 cm - Bottom

3D

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 78G

STATION NO: 78

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-5 cm	Mike Field	USGS	Forams	11/17/77
1	5-10 cm	Mike Field	USGS	Texture	11/17/77
2	Core Catcher	Mike Field	USGS	Biostrat.	11/17/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 041° 16.90' N

LONGITUDE: -124° 51.14' W

STATION NO.: 79

LINE NO.: E21A

DAY/MONTH/YEAR

DATE: 17/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Gravity 79G	990 m	300 cm		

REMARKS:

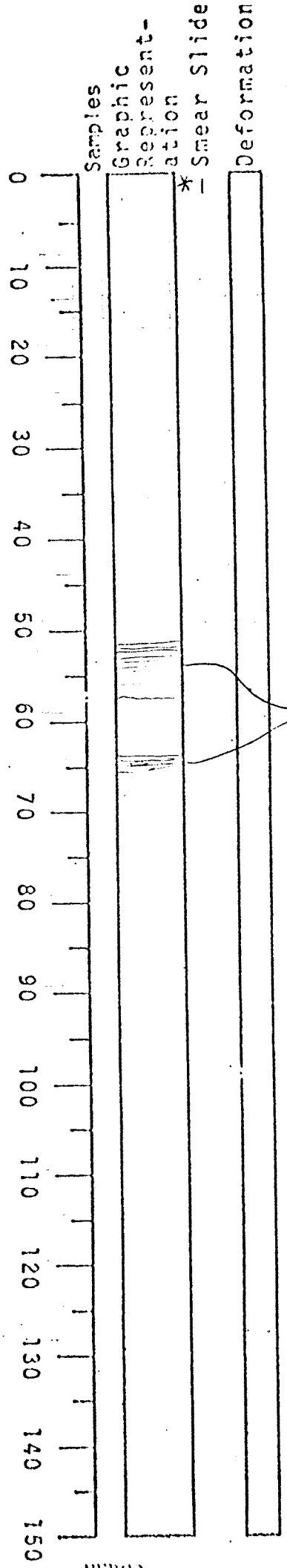
79G Core Catcher in 8 - oz. jar

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		7	9	G			1

STATION#				OBSERVER
	7	9		CH



0-150 cm - homogeneous, olive gray (5Y 3/2) to (5Y 4/2)

Hydrogen sulfide smell

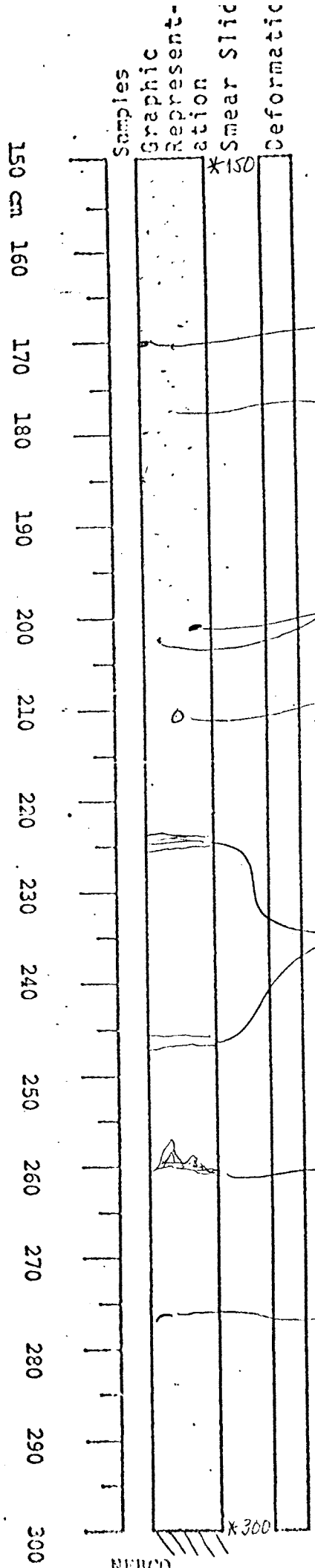
Dark gray (N3) oxidized layers

80-135 cm, disturbed splitting core

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		7	9	G	2

STATION#				OBSERVER
		7	9	CH



Mottled olive gray (5Y 3/2)

Shell fragment

Fe/Mn spots

Shell Fragments

Worm burrow

dark oxidized bands

soft sediment deformation?

Shell fragment

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 79G

STATION NO: 79

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	3-5 cm	Mike Field	USGS	Grain Size	11/17/77
1	3-5 cm	Mike Field	USGS	Forams	11/17/77
2	279-299 cm	Mike Field	USGS	Biostrat.	11/17/77

NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 041° 29.23' N

LONGITUDE -124° 36.15' W

STATION NO. 80

LINE NO.

DAY/MONTH/YEAR

DATE 17/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
80G	130 m	150 cm		

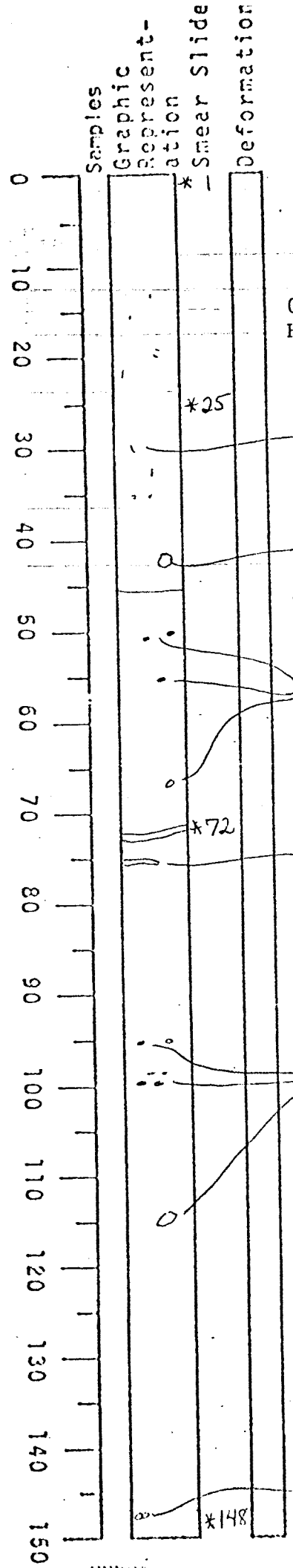
REMARKS:

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.
S 9 - 7 7 - N C	8 0 G	1

STATION#	OBSERVER
8 0	



0-45 cm
Homogeneous olive gray (5Y 3/2)

Fe/Mn Spots

Clam shell - pelecypod

45-150 cm
silty clay olive black (5Y 2/1) burrowed throughout

Shell Fragments pelecypod

Burrow

Shell fragments

Shell fragment

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 80G

STATION NO: 80

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	2-4 cm	Clarke/Field	USGS	Grain Size	11/17/77
1	2-4 cm	Clarke/Field	USGS	Forams	11/17/77
2	145-147 cm	Clarke/Field	USGS	Biostrat.	11/17/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 041° 30.26' N

LONGITUDE: -124° 33.53' W

STATION NO.: 81

LINE NO.:

DAY/MONTH/YEAR

DATE: 17/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
81G	110 m	174 cm		

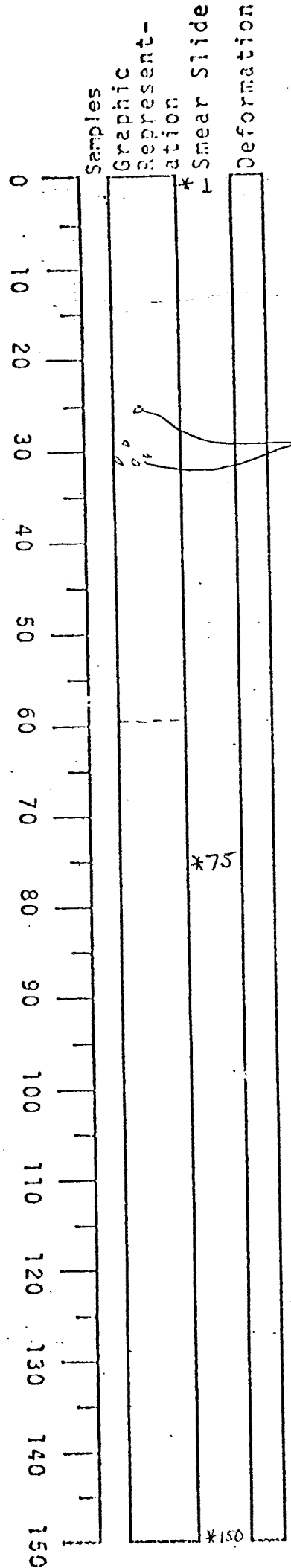
REMARKS:

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.	
S	9	-	7	7	-	N	C		8	1	G		1

STATION#				OBSERVER
	8	1		CH



0-59 cm, olive gray (5Y 3/2) homogeneous silty clay

Shell fragments - mollusc

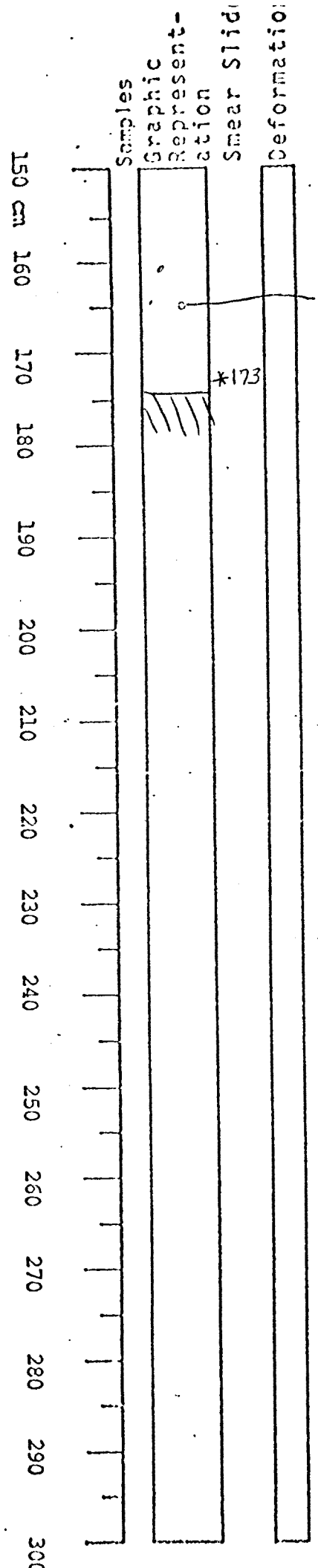
Hydrogen sulfide when split throughout core

59-174 cm, olive black (5Y 2/1) disrupted (bioturbated), possible was laminated, many shell fragments throughout

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.	
S	9	-	7	7	-	N	C		8	1	G		2

STATION#				OBSERVER
	8	1		CH



Shell fragments, worm tube lining

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 81G

STATION NO: 81

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	2-4 cm	Clarke/Field	USGS	Grain Size	11/17/77
1	2-4 cm	Clarke/Field	USGS	Forams	11/17/77
2	170-172 cm	Clarke/Field	USGS	Biostrat.	11/17/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 041° 33.46' N

LONGITUDE: -124° 21.75' W

STATION NO.: 82

LINE NO.:

DAY/MONTH/YEAR

DATE: 17/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Gravity 82G	55 m	Core Catcher		

REMARKS:

82G Core Catcher in 1 quart container
82G core barrel

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 041° 28.10-27.57' N

LONGITUDE: -124° 17.68-17.28' W

STATION NO.: 83

LINE NO.:

DAY/MONTH/YEAR

DATE: 17/11/77

TYPE OF STORAGE (check one)

☐ DRY ☐ COLD ☐ FROZEN

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
83G	59 m	No Recovery		

REMARKS:

Two attempts, no recovery on either

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 041° 07.34-05.92' N

LONGITUDE: -124° 28.05-28.58' W

STATION NO.: 84

LINE NO.:

DAY/MONTH/YEAR

DATE: 17/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Gravity 84G1	97 m	CC		
Gravity 84G2	95 m	213 cm		

REMARKS:

84G1 - Core Catcher recovery, core barrel full but core liner was not inserted

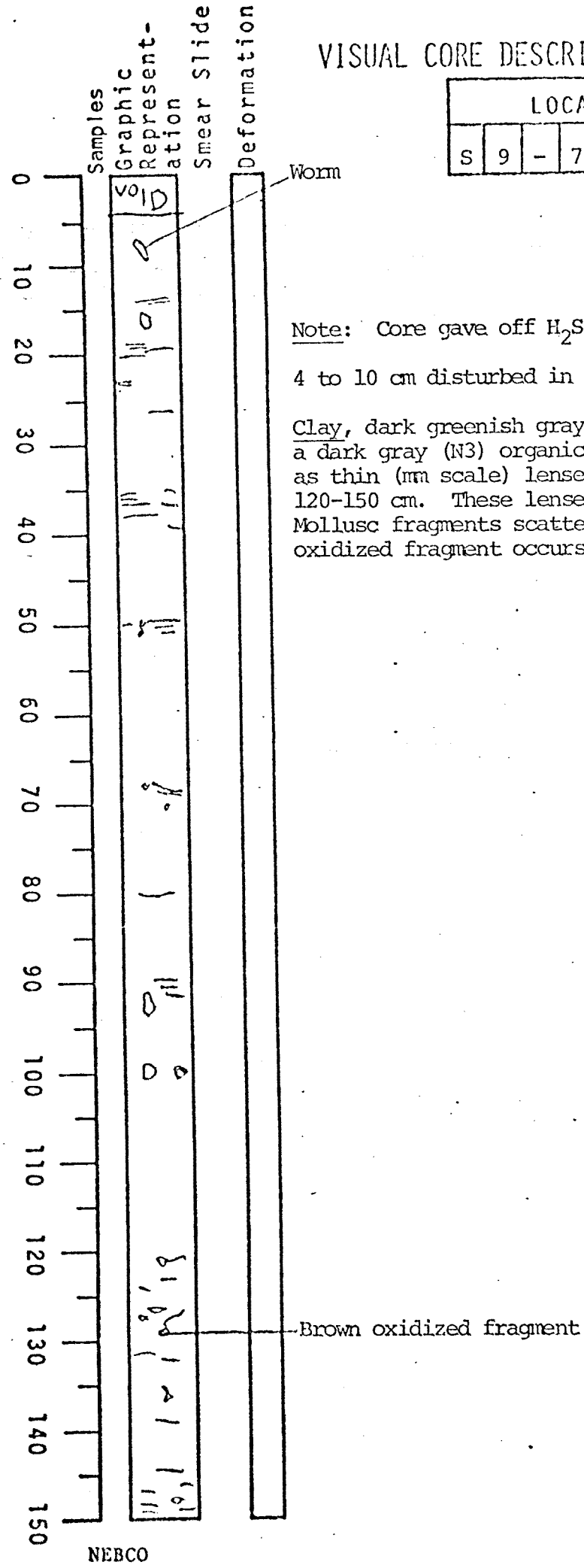
84G2 - Core Catcher in 8 oz. jar, core in 2 sections

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		8	4	G	2	1

STATION#			OBSERVER
	8	4	JVG



Note: Core gave off H_2S odor when split

4 to 10 cm disturbed in splitting

Clay, dark greenish gray (5GY 4/1), interbedded with a dark gray (N3) organic-looking Silt. The silt occurs as thin (mm scale) lenses at 14-55, 70, 80, 90, and 120-150 cm. These lenses appear to be disrupted. Mollusc fragments scattered throughout. A brown oxidized fragment occurs at 127 cm.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.	
S	9	-	7	7	-	N	C		8	4	G	2	2

STATION#			OBSERVER
	8	4	JVG

Samples | Graphic Represent-ation | Smear Slide | Deformation

150 cm 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300

Brown oxidized fragment

A mixture of dark greenish gray (5GY 4/1) Clay and dark gray (N3) organic-looking Silt. The section looks completely mixed and may be a slump. Slump may start at 120 cm.

213 cm, Bottom

NEBCO

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 84G2

STATION NO: 84

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	5-7 cm Top	Sam Clarke	USGS	Grain Size	11/18/77
1	5-7 cm Top	Sam Clarke	USGS	Forams	11/18/77
2	211-213 cm	Sam Clarke	USGS	Biostrat.	11/18/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 041° 00.85' N

LONGITUDE: -124° 29.07' W

STATION NO.: 85

LINE NO.:

DAY/MONTH/YEAR

DATE: 17/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Gravity 85G	90 m	217 cm		

REMARKS:

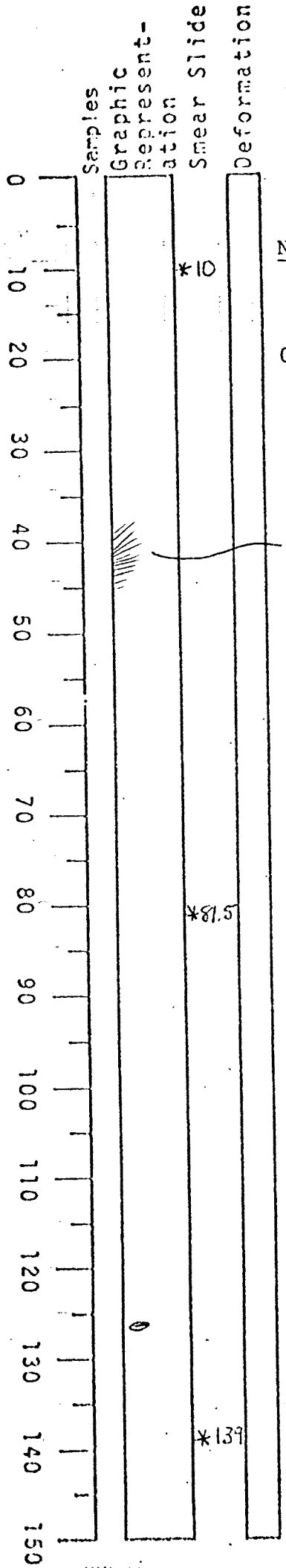
85G - Core Catcher in 1 quart container, core in 2 sections

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		8	5	G	1

STATION#				OBSERVER
	8	5		JVG



Note: 0 to 30 cm completely disturbed during splitting

0-80 cm, silty mud

Mn? magnetite?

80-84 cm, clay layer (or spatula mark)

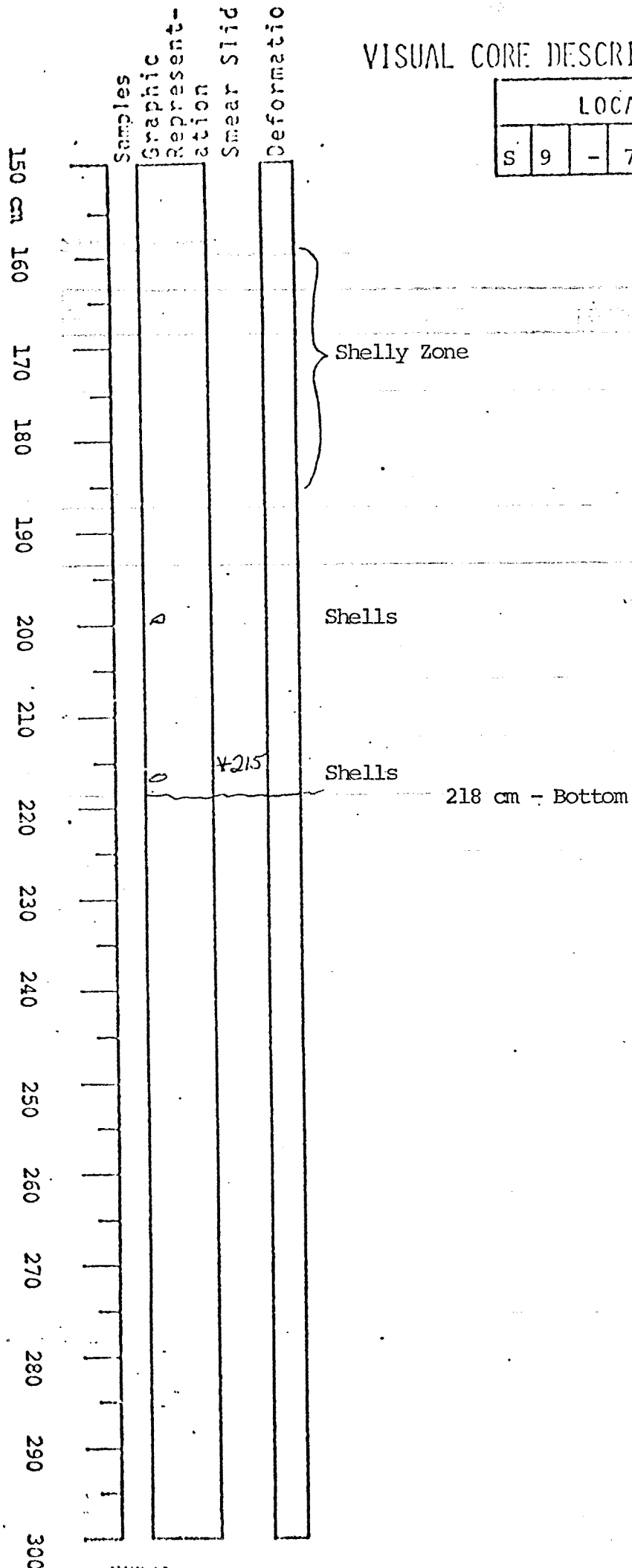
84-Bottom, bioturbated sandy and silty muds

Shell fragment

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		8	5	G	2

STATION#				OBSERVER
	8	5		



SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 85G

STATION NO: 85

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	8-10 cm Top	Sam Clarke	USGS	Grain Size	11/18/77
1	8-10 cm Top	Sam Clarke	USGS	Forams	11/18/77
2	216-218 cm	Sam Clarke	USGS	Biostrat.	11/18/77

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 040° 94.88' N

LONGITUDE: -124° 40.68' W

STATION NO.: 86

LINE NO.:

DAY/MONTH/YEAR

DATE: 17/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Gravity 86G	215 m	196 cm		

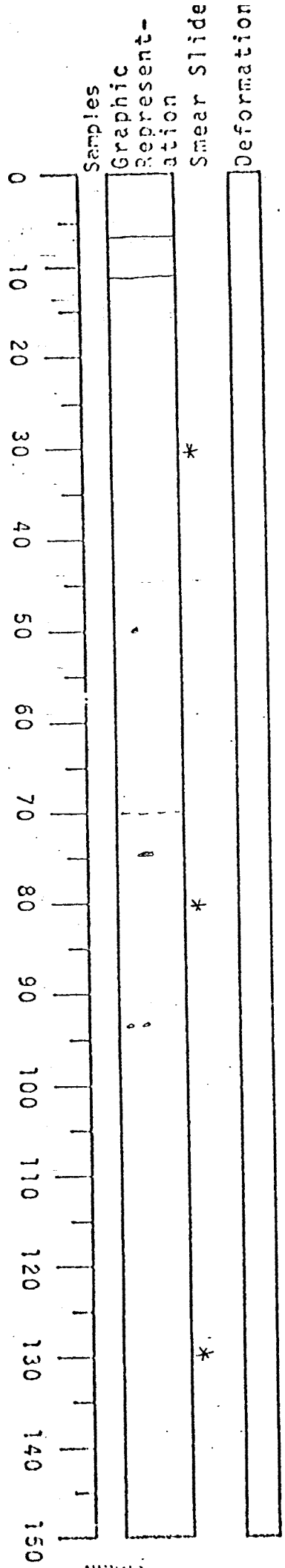
REMARKS:

86G - Core Catcher in 8 oz. jar, core in 2 sections

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		8	6	G	1

STATION#				OBSERVER
	8	6		FLW



0-7 cm, disturbed by coring procedure

7-11 cm, homogeneous olive gray

11-70 cm, olive gray with black streaks

51 cm, shell fragment

74 cm, shell fragment

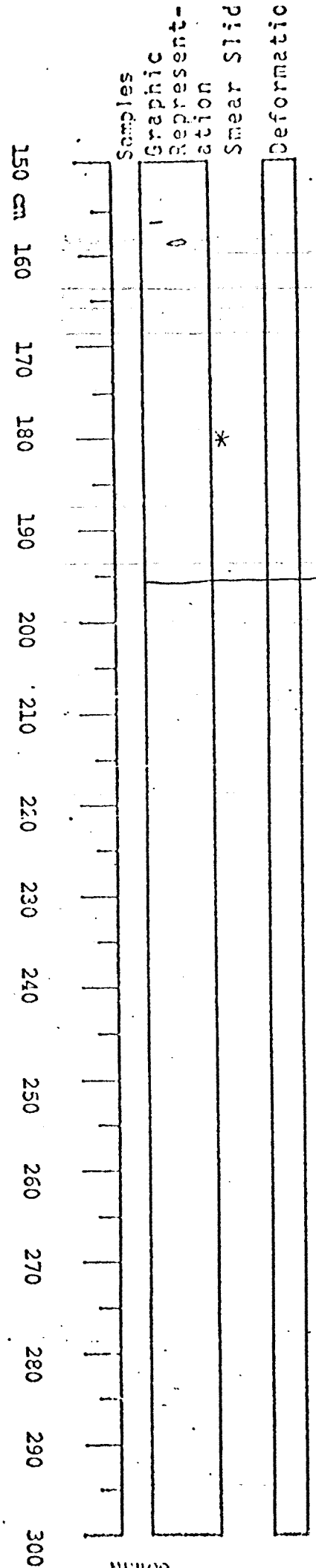
70-196 cm, homogeneous olive gray

93 cm, shell fragment

VISUAL CORE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.
S 9 - 7 7 - N C	8 6 G	2

STATION#	OBSERVER
8 6	



158-160 cm, shell fragments

196 cm, Bottom of core

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 86G

STATION NO: 86

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-5 cm	Mike Field	USGS	Forams	11/19/77
1	5-10 cm	Mike Field	USGS	Grain Size	11/19/77
2	Core Catcher	Mike Field	USGS	Biostrat.	11/19/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 040° 92.72' N

LONGITUDE: -124° 43.42' W

STATION NO.: 87

LINE NO.:

DAY/MONTH/YEAR

DATE: 17/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
Gravity 87G	270 m	216 cm		

REMARKS:

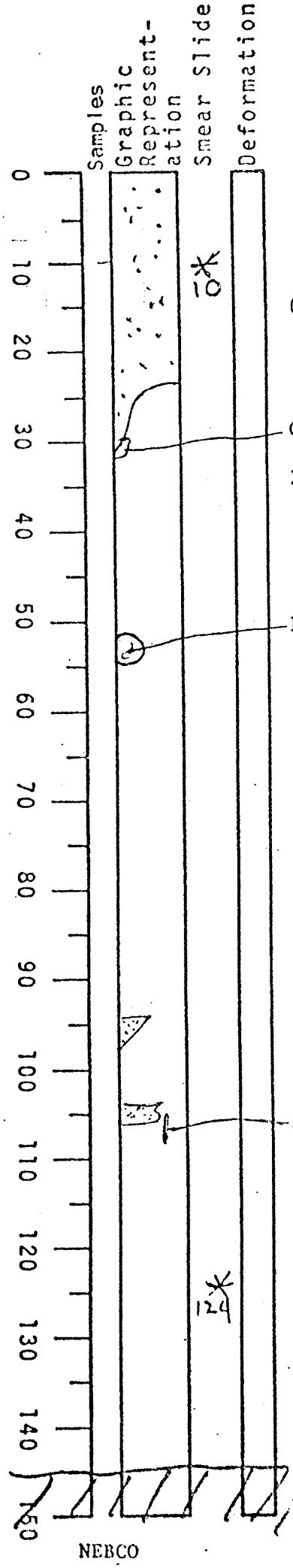
87G - core in 2 sections

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.
S 9 - 7 7 - N C	8 7 G	1

STATION#	OBSERVER
8 7	FLW



0-25 cm, sandy clay, live critter found at 5 cm

2cm

Crab Claw?

25-85 cm, silty mud with rare sand lenses

Burrow at 53 cm, grayish green (5G 5/2)

85-122 cm, bioturbated silty mud with infilling by sandy mud

Scaphopod

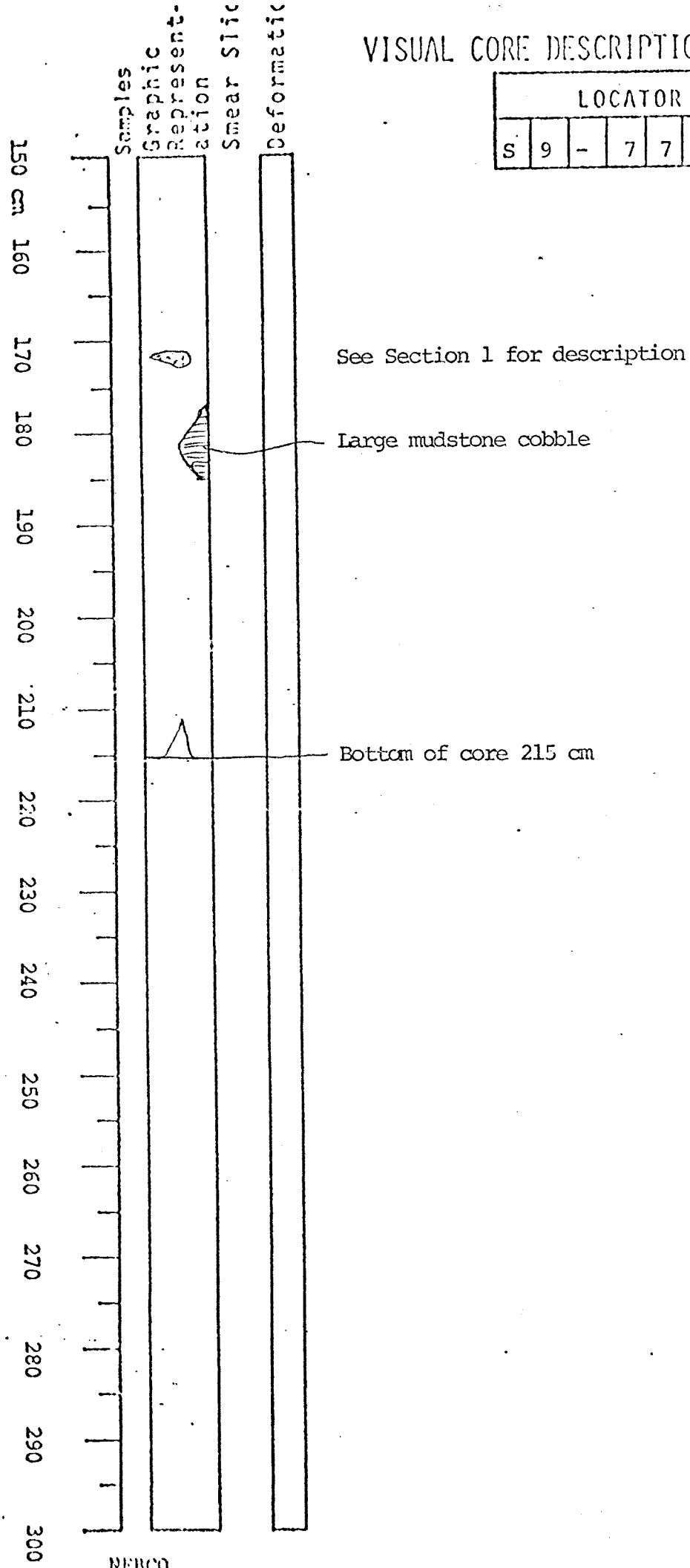
122-204 cm, burrowed clayey mud

204-215, silty mud (see section 2)

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		8	7	G	2

STATION#				OBSERVER
	8	7		FLW



SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 87G

STATION NO: 87

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-5 cm	Mike Field	USGS	Forams	11/19/77
1	5-10 cm	Mike Field	USGS	Texture	11/19/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 40° 92.28' N

LONGITUDE: -124° 44.64' W

STATION NO.: 88

LINE NO.: E32A

DAY/MONTH/YEAR

DATE: 18/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
88G	300 m	183 cm		

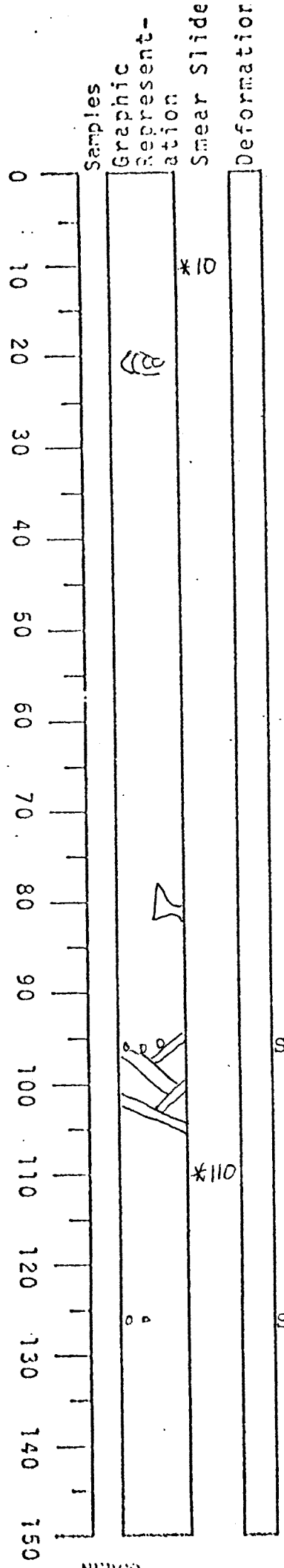
REMARKS:

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		8	8	G	1

STATION#				OBSERVER
	8	8		



0-2 cm, mud

2-Bottom, sand, bedded, burrowed, cross laminated from 83-110 cm

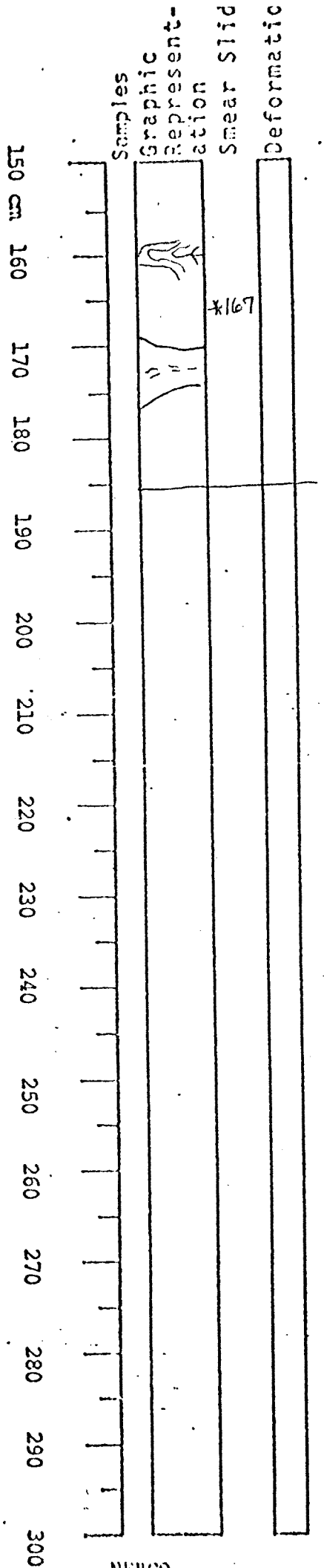
Shell Fragments

Shell Fragments

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		8	8	G		2

STATION#				OBSERVER
	8	8		



See section 1 for description

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 88G

STATION NO: 88

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-5 cm	Mike Field	USGS	Forams	11/18/77
1	5-10 cm	Mike Field	USGS	Texture	11/18/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 040° 90.55' N

LONGITUDE: -124° 47.06' W

STATION NO.: 89

LINE NO.: E32A

DAY/MONTH/YEAR

DATE: 18/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
89G	382 m	166 cm		

REMARKS:

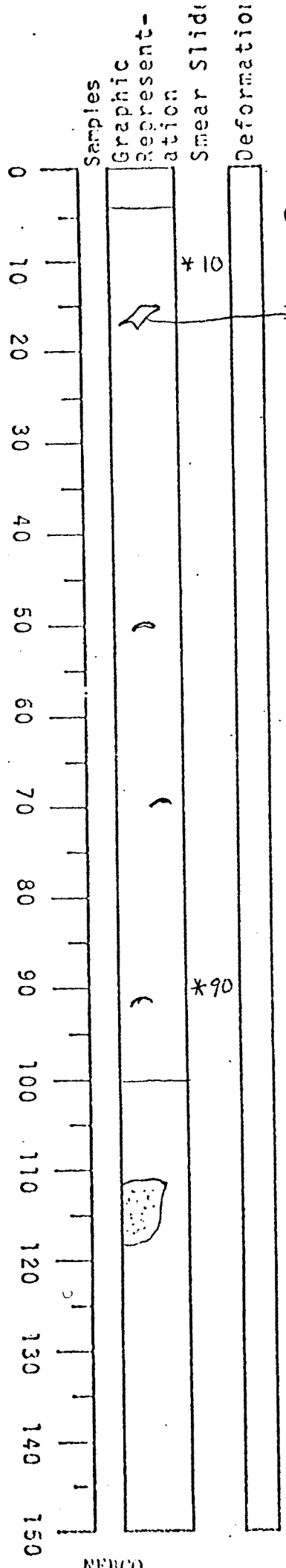
Core Catcher in jar

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		8	9	G	1

STATION#			OBSERVER
	8	9	



0-3 cm, mud

Large shell fragment

3-100 cm, sandy mud

Shell fragment

Shell fragment

Shell fragment

100 cm to Bottom, mud

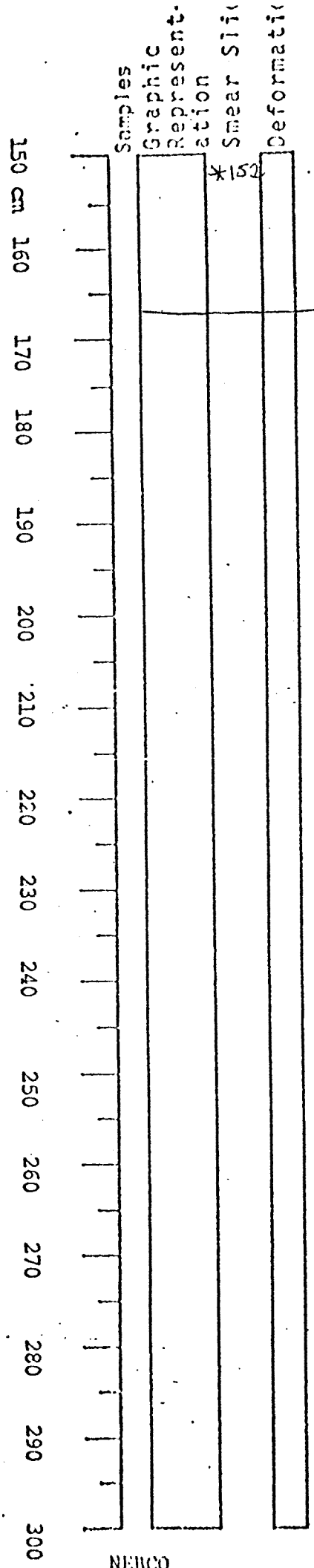
Sand layer burrowed through

NERCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		8	9	G	2

STATION#				OBSERVER
	8	9		



See section 1 for description

167 cm Bottom

NERCO

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 89G

STATION NO: 89

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-5 cm	Mike Field	USGS	Forams	11/18/77
1	5-10 cm	Mike Field	USGS	Texture	11/18/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 040° 87.08' N

LONGITUDE: -124° 53.68' W

STATION NO.: 90

LINE NO.: E32A

DAY/MONTH/YEAR

DATE: 18/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
90G	525 m	231 cm		

REMARKS:

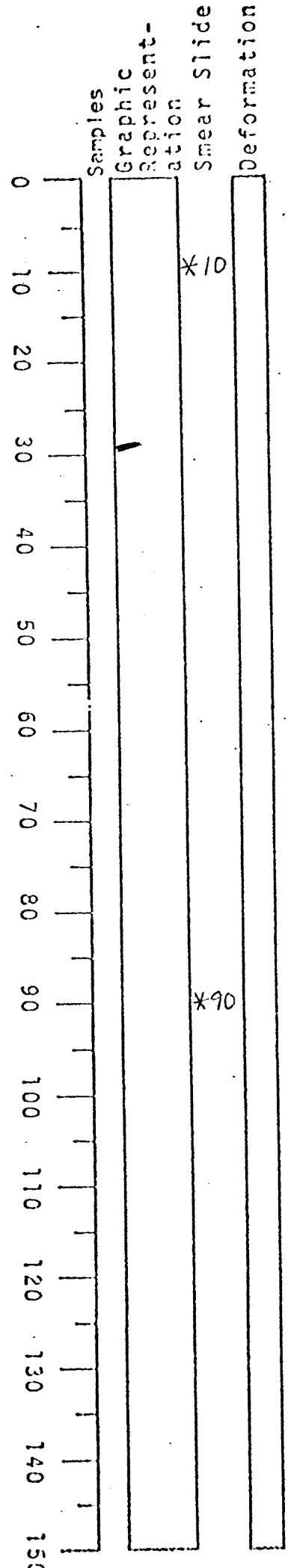
Core Catcher in 8 oz. jar

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		9	0	G		1

STATION#				OBSERVER
		9	0	

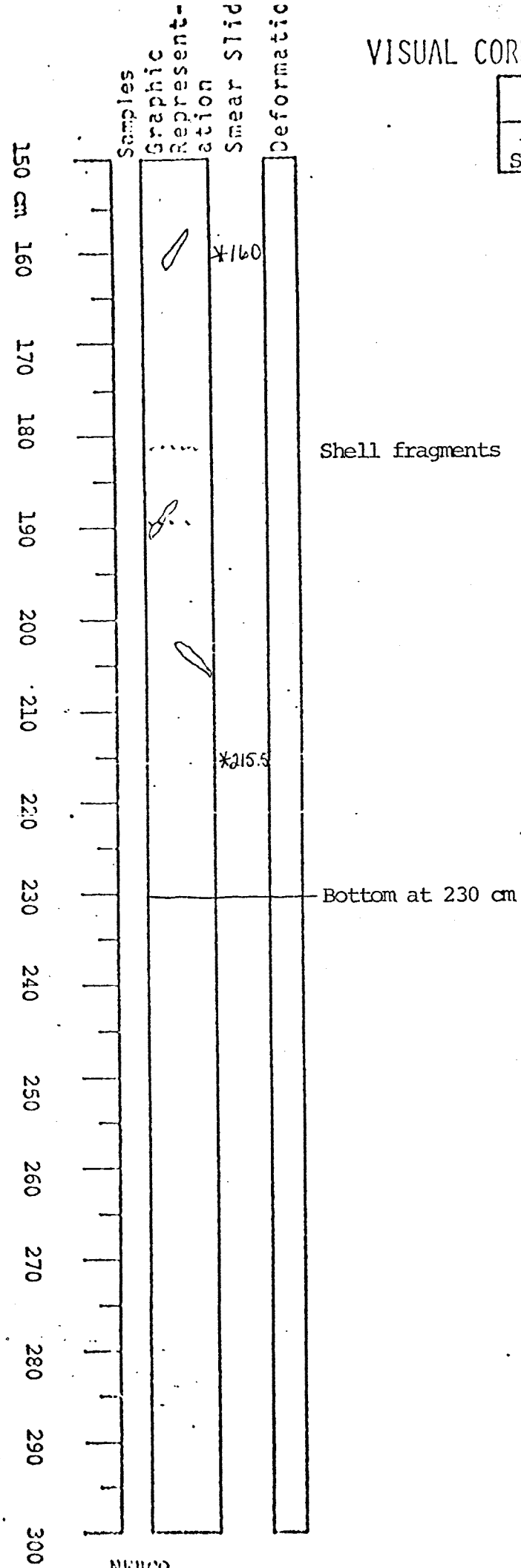


Undifferentiated mud with burrows and shell fragments

VISUAL CORE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.
S 9 - 7 7 - N C	9 0 G	2

STATION#	OBSERVER
9 0	



SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 90G

STATION NO: 90

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-5 cm	Mike Field	USGS	Forams	11/18/77
1	5-10 cm	Mike Field	USGS	Texture	11/18/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 040° 84.89' N

LONGITUDE: -124° 57.47' W

STATION NO.: 91

LINE NO.: E32A

DAY/MONTH/YEAR

DATE: 18/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
91G	570 m	250 cm		

REMARKS:

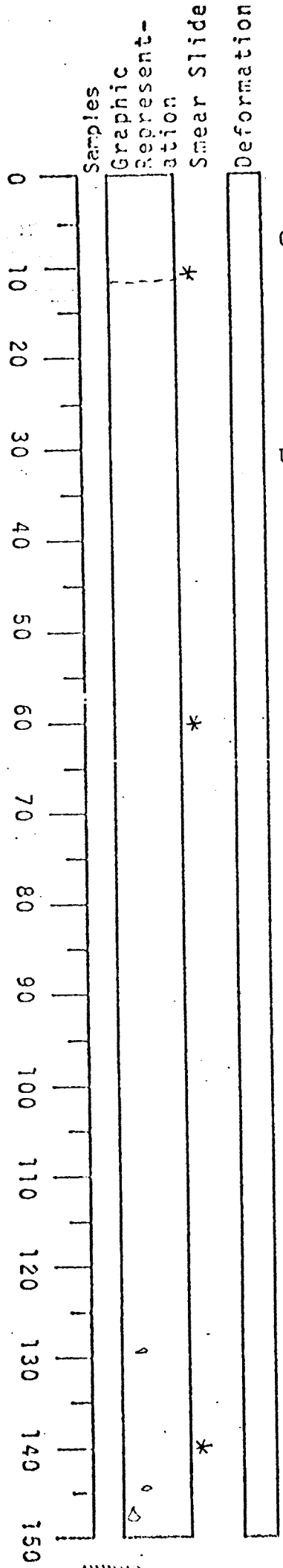
Core Catcher

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.	
S	9	-	7	7	-	N	C		9	1	G		1

STATION#				OBSERVER
	9	1		



0-12 cm, very soft wet mud disturbed from coring operation, olive gray

Undifferentiated homogeneous mud

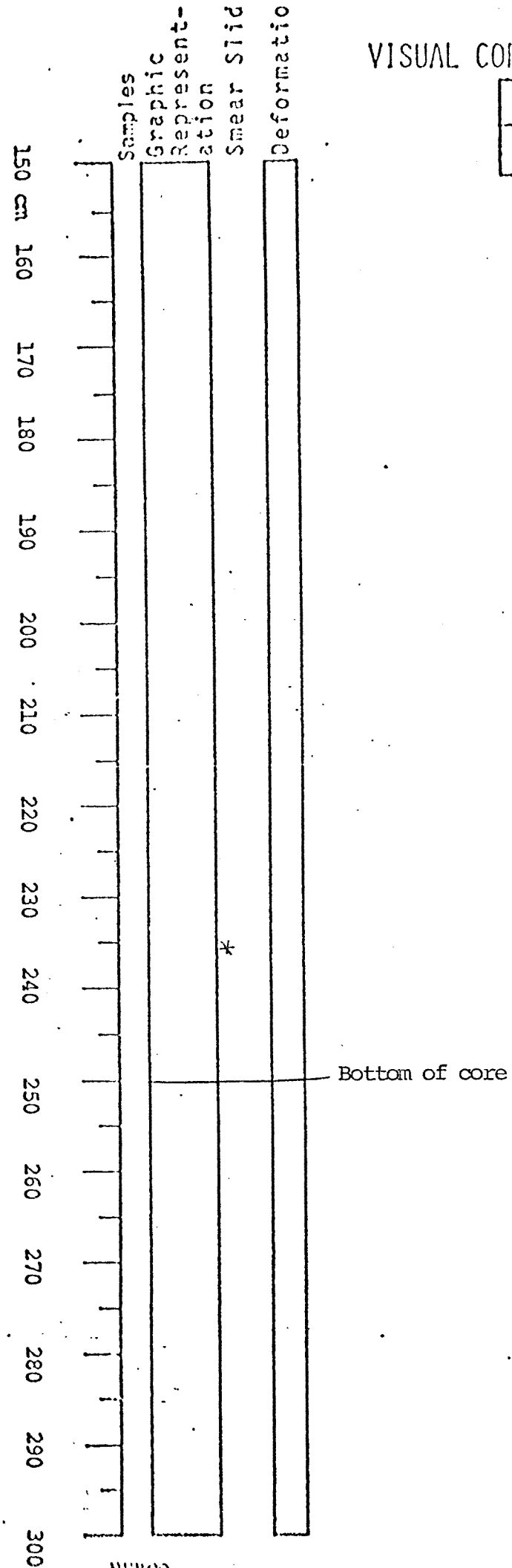
129 cm, shell fragment

144-147 cm, large shell fragments

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C			9	1	G	2

STATION#				OBSERVER
		9	1	



SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 91G

STATION NO: 91

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-5 cm	Mike Field	USGS	Forams	11/18/77
1	5-10 cm	Mike Field	USGS	Texture	11/18/77
2	Core Catcher	Mike Field	USGS	Biostrat.	11/18/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 040° 84.12' N

LONGITUDE: -124° 59.20' W

STATION NO.: 92

LINE NO.:

DAY/MONTH/YEAR

DATE: 18/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
92G	590 m	261 cm		

REMARKS:

Section #1 inadvertantly cut at 111 cm and section 2 at 150 cm

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		9	2	G		1

STATION#				OBSERVER
	9	2		

Samples	Graphic Representation	Smear Slide	Deformation
0			
10			
20		*	
30			
40			
50			
60			
70			
80			
90			
100		*100	
110			
120			
130			
140			
150			

0-11 cm, disturbed by coring operation

Homogeneous olive gray-green mud

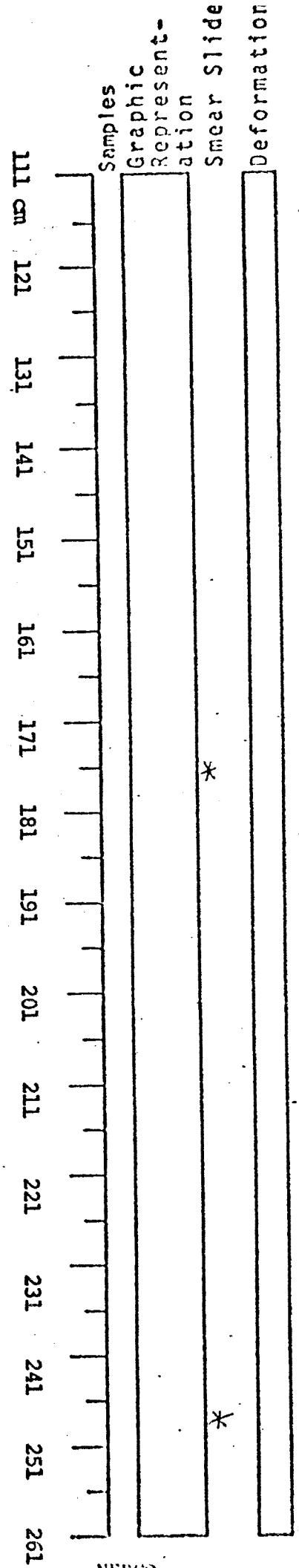
Section 1 cut short at 111 cm

Section 2 is 150 cm long.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		9	2	G	2

STATION#				OBSERVER
	9	2		



Bottom of core at 261 cm

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 92G

STATION NO: 92

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-5 cm	Mike Field	USGS	Forams	11/18/77
1	5-10 cm	Mike Field	USGS	Texture	11/18/77
2	Core Catcher	Mike Field	USGS	Biostrat.	11/18/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 040° 83.64' N

LONGITUDE: -124° 60.13' W

STATION NO.: 93

LINE NO.: E32A

DAY/MONTH/YEAR

DATE: 18/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

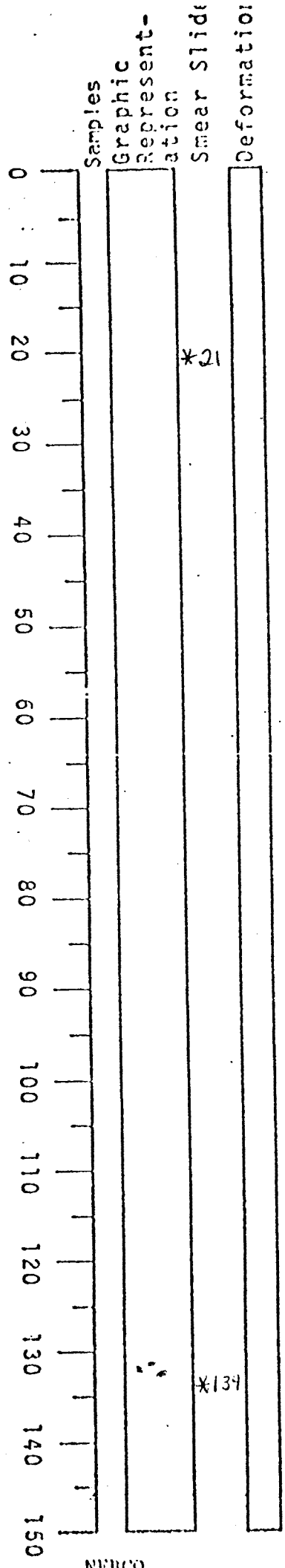
SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
93G	660 m	245 cm		

REMARKS:

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		9	3	G		1

STATION#				OBSERVER
	9	3		

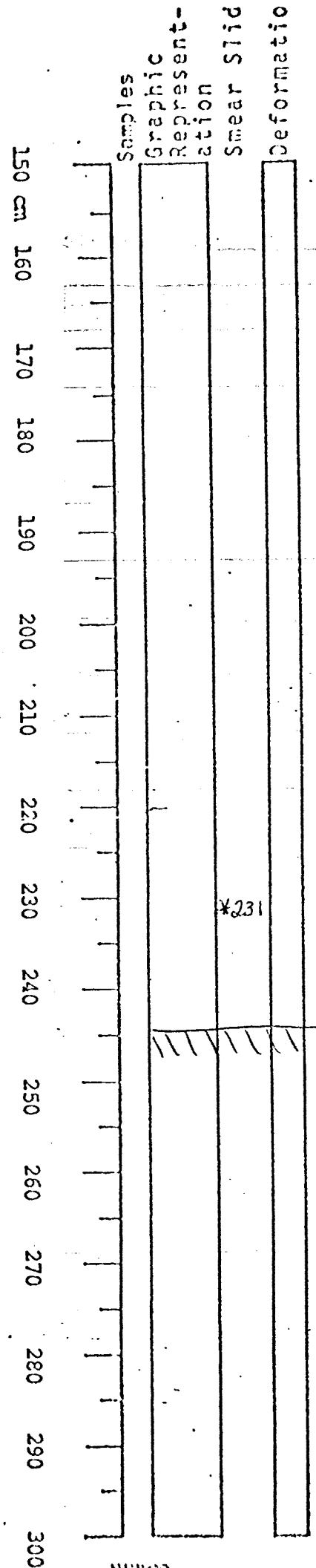


244 cm gravity core with probable contact at 220 cm. Otherwise essentially a silty clay, olive gray (5Y 3/2) homogeneous, probably but not distinctly bioturbated mass with a 1-2 mm size fragment of shell hash at 131 cm.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		9	3	G		2

STATION#				OBSERVER
	9	3		



See section 1 for description

Bottom of core

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 93G

STATION NO: 93

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-5 cm	Mike Field	USGS	Forams	11/18/77
1	5-10 cm	Mike Field	USGS	Texture	11/18/77
2	Core Catcher	Mike Field	USGS	Biostrat.	11/18/77

NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 040° 82.44' N

LONGITUDE -124° 62.15' W

STATION NO. 94

LINE NO. E32A

DAY/MONTH/YEAR

DATE 18/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
94G	585 m	25 cm		

REMARKS:

VISUAL CORE DESCRIPTION

LOCATOR	SAMPLE NO.	SEC.
S 9 - 7 7 - N C	9 4 G	1

STATION#	OBSERVER
9 4	

Samples	Graphic Representation	Smear Slide	Deformation
		*6	
		*21	

0–3 cm, olive gray mud, slightly disturbed by coring procedure with black bands

3–14 cm, light-medium olive gray

14–25 cm, olive gray

Bottom of core at 25 cm

decomposing matter throughout, "smelly"

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 94G

STATION NO: 94

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-5 cm	Mike Field	USGS	Forams	11/18/77
1	5-10 cm	Mike Field	USGS	Texture	11/18/77
1	Core Catcher	Mike Field	USGS	Biostrat.	11/18/77

NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 040° 81.59' N

LONGITUDE -124° 64.15' W

STATION NO. 95

LINE NO. E32A

DAY/MONTH/YEAR

DATE 18/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
95G	598 m	200 cm		

REMARKS:

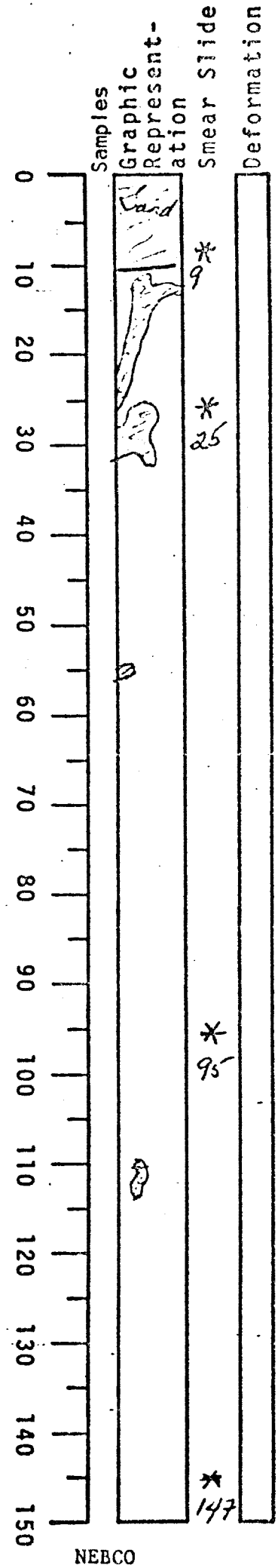
Core Catcher

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		9	5	G		1

STATION#				OBSERVER
	9	5		TH



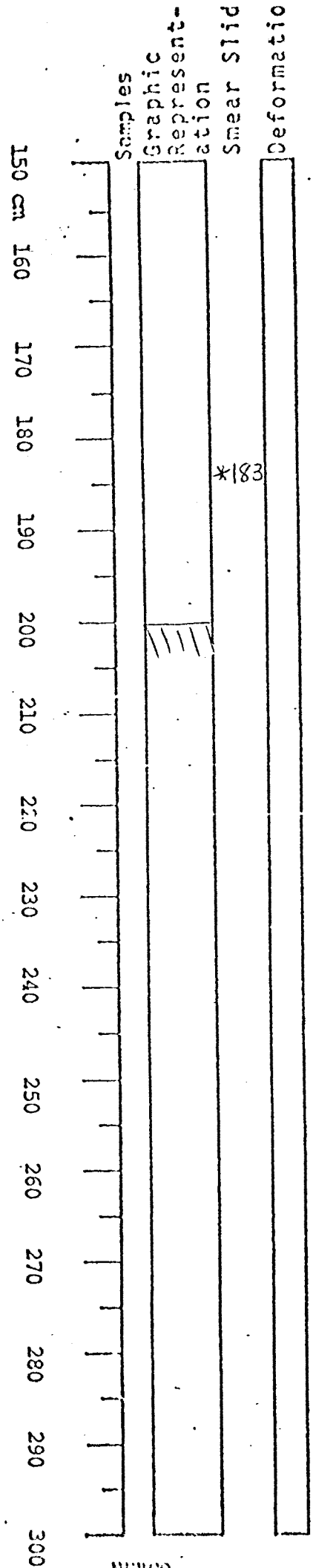
198 cm gravity core.

spectacular contact at 11 cm, rest of core essentially distinct (less than 2 mm to greater than 1 cm) laminations of (?) clay.
11-37 cm marked by bioturbated and resulting cavities filled with (?) modern sand.

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C		9	5	G		2

STATION#				OBSERVER
	9	5		TH



See section 1 for description

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 95G

STATION NO: 95

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-5 cm	Mike Field	USGS	Grain Size	11/18/77
1	0-5 cm	Mike Field	USGS	Forams	11/18/77
2	190-192 cm	Mike Field	USGS	Biostrat.	11/18/77
2	Core Catcher	Mike Field	USGS	Biostrat.	11/18/77

NEBCO

USGS STATION LOG

SHIP / LEG S9-77-NC

LATITUDE 040° 81.09' N

LONGITUDE -124° 64.79

STATION NO. 96

LINE NO. E32A

DAY/MONTH/YEAR

DATE 18/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
96G	645 m	206 cm		

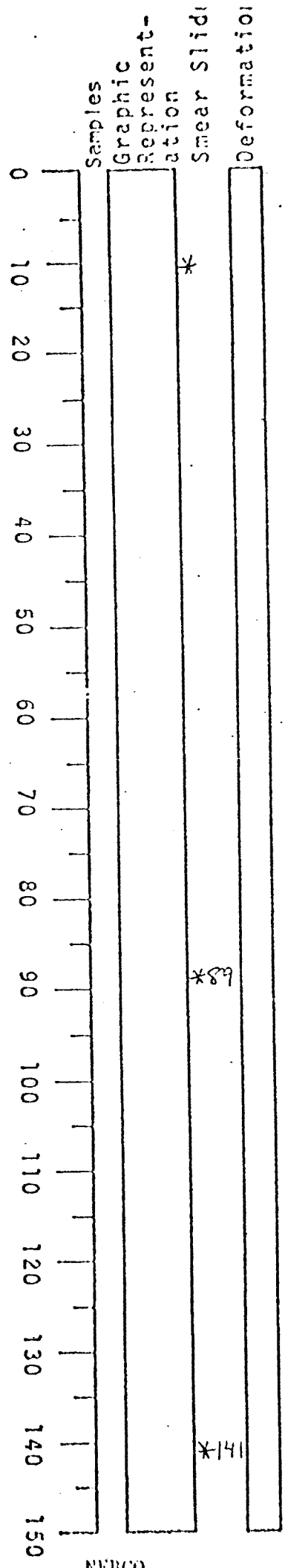
REMARKS:
Core Catcher

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		9	6	G	1

STATION#				OBSERVER
		9	6	



0-11 cm, clay

11-81 cm, bioturbated silt with clay pockets and sand blebs

75-95 cm, shell horizon

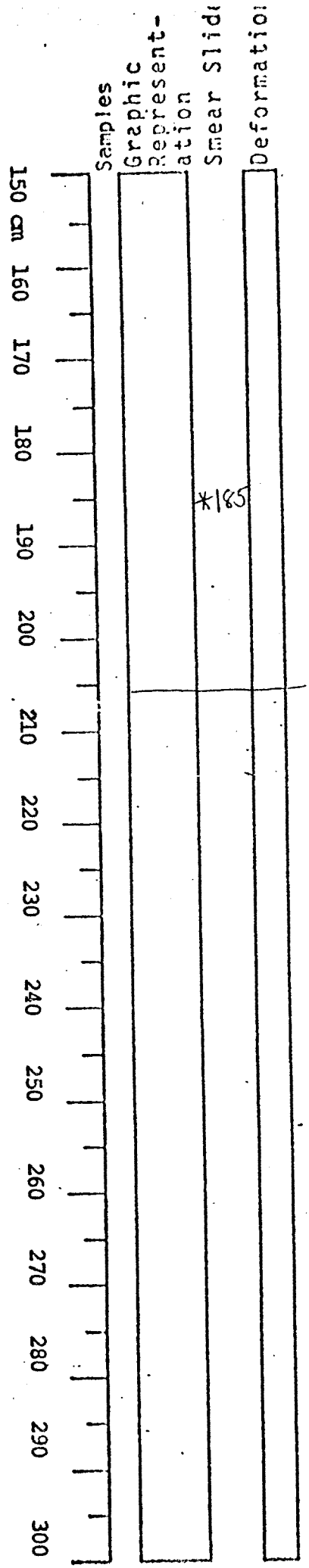
109-113 cm, sand layer

155 to bottom, bioturbated clay and sand

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.	
S	9	-	7	7	-	N	C		9	6	G		2

STATION#				OBSERVER
	9	6		



See section 1 for description

Bottom of core at 206 cm

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 96G

STATION NO: 96

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	12-14 cm	Mike Field	USGS	Texture	11/18/77
1	12-14 cm	Mike Field	USGS	Biostrat.	11/18/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 040° 75.72' N

LONGITUDE: -124° 75.57' W

STATION NO.: 97

LINE NO.: E32A

DAY/MONTH/YEAR

DATE: 18/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
97G	1221 m	237 cm		

REMARKS:

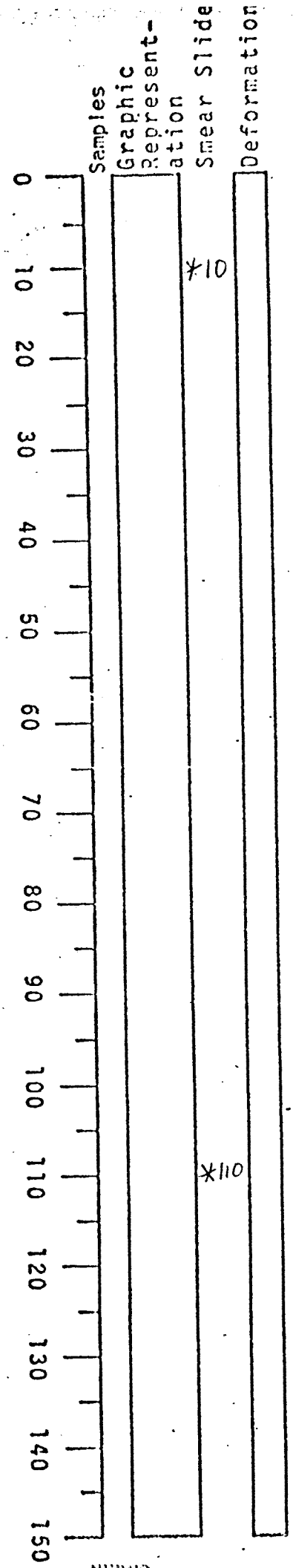
Core Catcher sample in quart jar

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		9	7	G	1

STATION#			OBSERVER
	9	7	



0-13 cm, silty mud

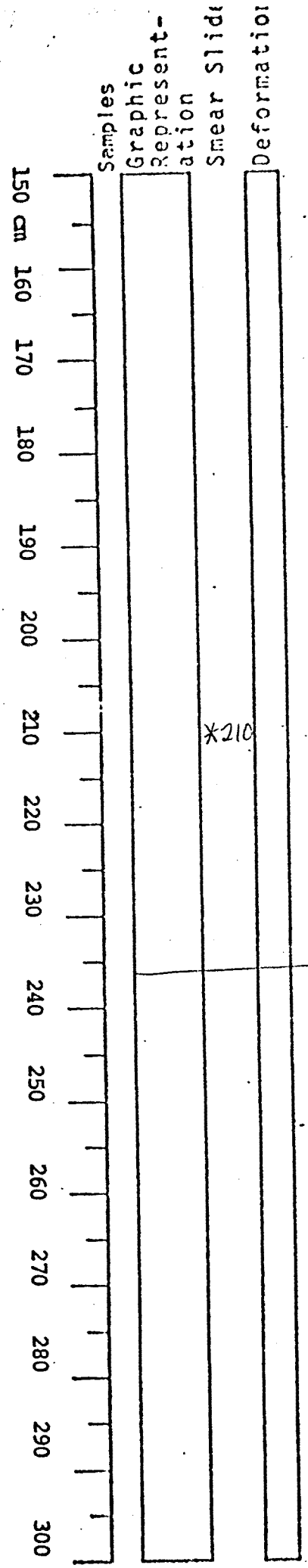
13 cm to Bottom, clayey mud, black streaks at 27, 34, 85-91 cm.

188-192 cm, sandy lenses

VISUAL CORE DESCRIPTION

LOCATOR												SAMPLE NO.					SEC.
S	9	-	7	7	-	N	C			9	7	G					2

STATION#				OBSERVER
	9	7		



See section 1 for description

Bottom at 237 cm

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 97G

STATION NO: 97

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-5 cm	Mike Field	USGS	Forams	11/18/77
1	5-10 cm	Mike Field	USGS	Texture	11/18/77
2	Core Catcher	Mike Field	USGS	Biostrat.	11/18/77

NEBCO

USGS STATION LOG

SHIP / LEG: S9-77-NC

LATITUDE: 040° 68.70' N

LONGITUDE: -124° 88.61' W

STATION NO.: 98

LINE NO.: E32A

DAY/MONTH/YEAR

DATE: 18/11/77

TYPE OF STORAGE (check one)

DRY	COLD	FROZEN
	X	

SAMPLE NO. TYPE & ID.	UNCORRECTED DEPTH (M)	CORE LENGTH	BASIC LITHOLOGY	AGE OF BOTTOM
98G	2467 m	208 cm		

REMARKS:

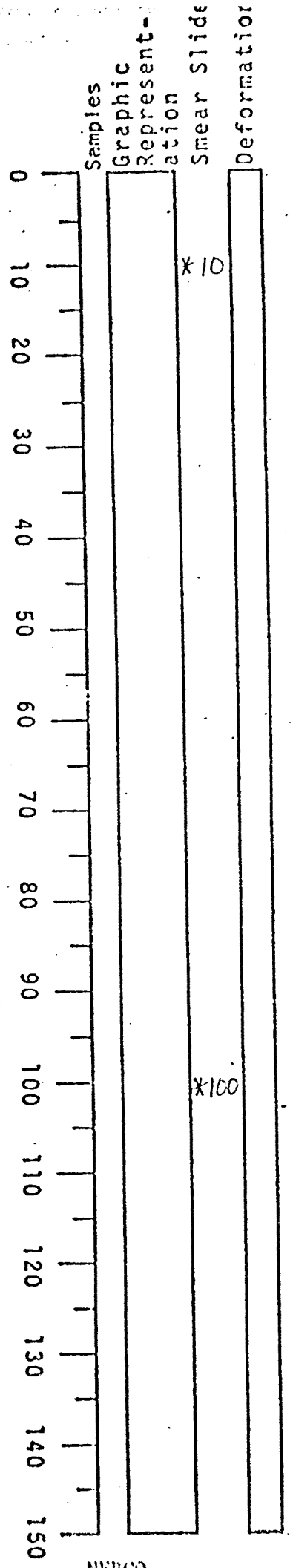
Core Catcher in oz. container

NEBCO

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		9	8	G	1

STATION#			OBSERVER
	9	8	TH

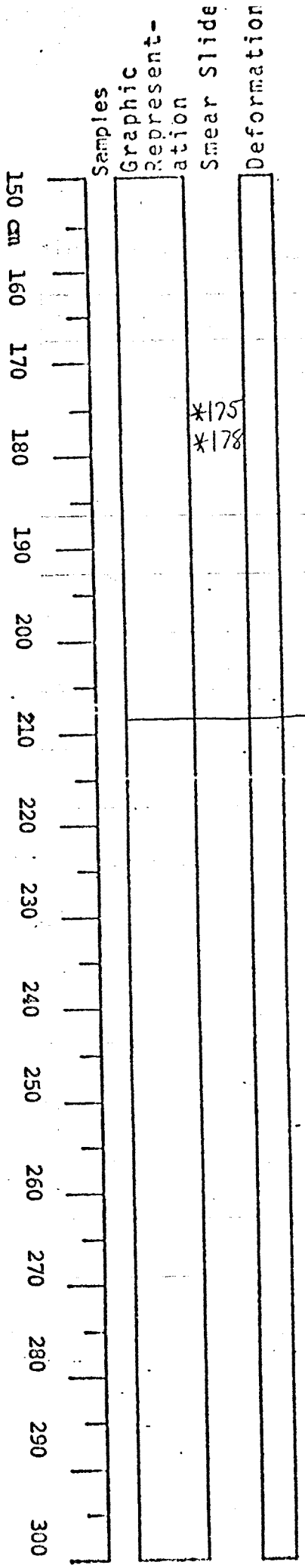


208 cm gravity core with sharp distinctive contacts; 2-3 mm to ½ cm laminae between 20 and 40 cm; generally olive gray (5Y 3/2) silty clay or clay with (?) bioturbation evidence its full length; ½ x ¼ cm of shell hash (?) at 126 cm

VISUAL CORE DESCRIPTION

LOCATOR								SAMPLE NO.				SEC.
S	9	-	7	7	-	N	C		9	8	G	2

STATION#			OBSERVER
	9	8	



See section 1 for description

Bottom at 208 cm

SAMPLE LOG

LOCATOR: S9-77-NC

SAMPLE NO: 98G

STATION NO: 98

SECTION	INTERVAL	NAME	ORGANIZATION	PURPOSE	DATE
1	0-5 cm	Mike Field	USGS	Forams	11/18/77
1	5-10 cm	Mike Field	USGS	Texture	11/18/77

NEBCO